KSC-PLN-1920

APPENDIX B: KSC SITE SPECIFIC SPCC PLANS

KENNEDY SPACE CENTER, FLORIDA

Prepared for:

NASA Environmental Assurance Branch (SI-E2)

Kennedy Space Center, Florida

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Date: 12/17/2020

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APPENDIX B

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Section 1.0 SPCC Contractor Descriptions

Currently, ten primary organizations at KSC engage in the storage and/or use of oil in containers greater than or equal to 55 gallons, and are included in the KSC SPCC Plan. Storage includes oil stored in aboveground storage tanks (ASTs), 55-gallon drums, intermediate bulk containers (IBCs) and oil-filled process and electrical equipment. Descriptions of the various KSC tenant contractor operations are listed below. The designations B-1 through B-10 coincide with the contractor and/or organization oil product storage table.

B-1 Base Operations and Spaceport Services Contract (BOSS)

The BOSS contractor is responsible for roads, grounds, utilities, and facilities maintenance activities at KSC. Oil storage associated with BOSS operations includes diesel-powered emergency generators, hydraulic elevators, bulk fuel storage tanks, electrical transformers, oil present in portable and mobile equipment, and new and used oil stored in 55-gallon drums and ASTs. The BOSS contractor is PAE-SGT Partners (PSP).

BOSS also maintains approximately 326 electrical transformers, filled with 55-gallons or more of oil, on KSC and Merritt Island National Wildlife Refuge (MINWR) property. Although not specifically addressed in the site-specific SPCC Plans (Appendix B-1 thru B-10), these transformers are in compliance with KSC SPCC policies. Management of SPCC transformers and other oil-filled operational equipment is also discussed in detail in Section 4.9 of KSC SPCC Plan (KSC-PLN-1919).

KSC maintains a detailed inventory of SPCC-regulated oil-filled equipment that includes specific oil storage capacities and distance to navigable waters or storm drain inlets. The KSC SPCC oil-filled transformer inventory is located in Appendix F of KSC-PLN-1919. The list also includes two electrical substations that house several large capacity oil-filled transformers (K6-

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1141, M6-0996). The site-specific SPCC Plans for these electrical substations are located in Appendix B-1 of KSC-PLN-1920.

B-2 Test and Operations Support Contract (TOSC)

The TOSC contractor is responsible for all flight hardware, launch system processing and future launch operations at KSC, including the maintenance of all flight hardware, and the spacecraft crawler-transporter fleet. The TOSC contractor, Jacobs Technology, is responsible for all launch flow processing on current and future rocket programs. Current oil storage associated with TOSC operations includes: hydraulic oil systems, new and used oil stored in 55-gallon drums and aboveground tanks, and oil and diesel fuel present in mobile equipment (i.e., crawlers and spacecraft transport equipment).

B-3 Space Launch System (SLS) Booster Fabrication and Assembly

Northrup Grumman subsidiary, ATK, Launch Systems, LLC (ATK), is responsible for Solid Rocket Booster (SRB) fabrication, processing, and assembly for the Space Launch System (SLS) program. Oil storage associated operations conducted by ATK at KSC and Cape Canaveral Air Force Station includes new and used oil stored in 55-gal drums, and in oil-filled process equipment such as hydraulic lifts and test stands used for booster assembly and check-out.

B-4 Kennedy Space Center Visitor Complex Concessionaire

Delaware North Companies Parks and Resorts, Inc. (DNCPR) is the concessionaire operating the KSC Visitor Center. DNCPR and its subcontractors are responsible for operating and maintaining the Visitor Center. Oil storage associated with operations conducted by Delaware North includes fuels required for the Visitor Center tour bus fleet, new and used oil stored in aboveground tanks and 55-gallon drums, oil-filled process equipment, and waste cooking oil stored outside each cafeteria.

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B-5 NASA Exchange Council Concessionaires and Vendors

The NASA Exchange has oversight of two functions at KSC that are included in the KSC SPCC Plan. First, the Kennedy Athletic, Recreation and Social (KARS) Organization operates two employee recreational parks on KSC property. Oil storage associated with operations conducted at the KARS Park locations includes a compartmented aboveground fuel tank containing diesel fuel and gasoline.

Secondly, the NASA Exchange Council manages a concessionaire agreement with Southeast Petroleum, LLC to operate a Mobil™ service station located at Building M6-0596, and a remote unmanned E-85 fuel station (K6-1345) on Contractor's Rd. The Mobil™ station includes a compartmented underground storage tank (UST) storing bio-diesel, premium unleaded and regular unleaded gasoline, an aboveground storage tank containing E-85 ethanol, and used oil contained in 55-gallon drums. An E-85 ethanol aboveground storage tank is also located at facility K6-1345.

B-6 Food Services Concessionaire Agreements

The Food Services Concessionaire agreement, managed by the NASA Exchange Council, is responsible for operating the cafeterias (Sonny's, Olea Grill), and all other food service locations on KSC property (excluding those at the KSC Visitor's Center and Saturn V Center). Sonny's Barbeque/Blue Sky Catering, Inc. is the Food Service Concessionaire. Oil storage associated with operations conducted by the food services contractor includes waste cooking oil, and smoker grease, stored in tanks of 55-gals or more in volume outside of each cafeteria.

B-7 NASA Environmental Management Contract (NEMCON)

The NEMCON contractor is responsible for provision of medical and environmental support services on Kennedy Space Center. These services include: Occupational Health, Industrial Hygiene, Environmental Sampling, Analysis, and Monitoring (ESAM), Compliance and Permitting Support, and Waste Management Services. Presently, this contract is managed by Herndon Solutions Group, LLC. Current oil storage locations associated with this contract

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include the KSC Waste Treatment, Storage and Disposal Facility (TSDF) located at Facility(s) K7-114, K7-115 and K7-0165. Additionally, NEMCON is responsible for development of spill plans and inspections of facilities prior to turnover to NASA. These current oil storage locations include Facilities N6-1010 and K7-0497. NEMCON manages used oils and other controlled and hazardous wastes contained in tanks, drums, and mobile tankers.

B-8 Protective Services Contract

The KSC Protective Services Contract provides EMS, fire and center security services to KSC. Oil storage associated with the Security Services operations includes a 500-gal gasoline aboveground tank located at the Security Boathouse, Facility K7-0287. The Chenega Infinity Corporation manages this contract for NASA.

B-9 Cape Launch Operations and Support Contract (CLOIS)

The CLOIS contractor, ASRC Federal Holding Company (ASRC)., is responsible for roads, grounds, utilities, propellant storage and delivery, waste management, airfield services, and most building maintenance on Cape Canaveral Air Force Station (CCAFS). The CLOIS contractor also maintains NASA-owned facilities located on CCAFS. Oil storage associated with CLOIS operations for NASA includes a diesel-powered emergency generator tank system at Hangar AE, Facility 60675.

B-10 Kennedy Propellants and Life Support Services Contract (KPLSS)

The KPLSS contract, operated by Amentum Services, Inc., is responsible for propellant storage and delivery, Self-Contained Atmospheric Protective Ensemble (SCAPE) life support services, maintenance of fuel tankers and life support equipment. Oil storage associated with KPLSS operations for NASA includes storage of various oil types in 55-gallon drums and oil-filled operational equipment. KPLSS operations and SPCC oil storage locations are found on both KSC and CCAFS.

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KSC Organizations
Oil Storage Table

TAB	ORGANIZATION	OIL PRODUCT STORAGE (total gallons)
B-1	Base Operations and Spaceport Services Contract (BOSS) – *PAE-SGT Partners, LLC*	404,407
B-2	Test and Operations Support Contract (TOSC) - *Jacobs Technology*	29,688
B-3	Space Launch System (SLS) Booster Fabrication and Assembly - *ATK, LLC.*	1,820
B-4	Kennedy Space Center Visitor Complex Concessionaire - *Delaware North Companies Parks and Resorts*	16,115
B-5	NASA Exchange Council Concessionaires and Vendors - *Various*	15,610
B-6	Food Services Concessionaires Agreements - *Various*	582
B-7	NASA Medical and Environmental Contract (NEMCON) – *Herndon Solutions Group, LLC*	16,725
B-8	Protective Services Contract - *Chenega Infinity, LLC*	500
B-9	Cape Launch Operations and Infrastructure Support (CLOIS) Contract - *ASRC Federal Holding Company, CCAFS*	4,300
B-10	Kennedy Propellants and Life Support Services (KPLSS) Contract – *Amentum Services, Inc.*	1,547
	Total aggregate storage volume	**491,294-gallons**

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B-1 Base Operations and Spaceport Services Contract (BOSS)

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: E3-1133

Description: Oil storage associated with this facility includes a diesel emergency generator and associated tank.

Building/Site Name: MID-COURSE RADAR FACILITY

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **E3-1133-1**

Container Type: Tank

Container Capacity: 2000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Visual fuel gauge

Anti-siphon valve

Automatic overfill shut off valve

Construction Details: Concrete vaulted tank

Date Installed: 2007

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >2000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: This tank is refilled by the KSC fuel contractor on an as-needed basis

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A discharge while fueling, breach of the tank's integrity, or a release from the single-walled piping would collect on the gravel and grassy area adjacent the tank, and migrate west toward a dry retention basin. Discharges would be contained by the dry retention pond until the 24 hour spill response team could respond and initiate clean-up measures.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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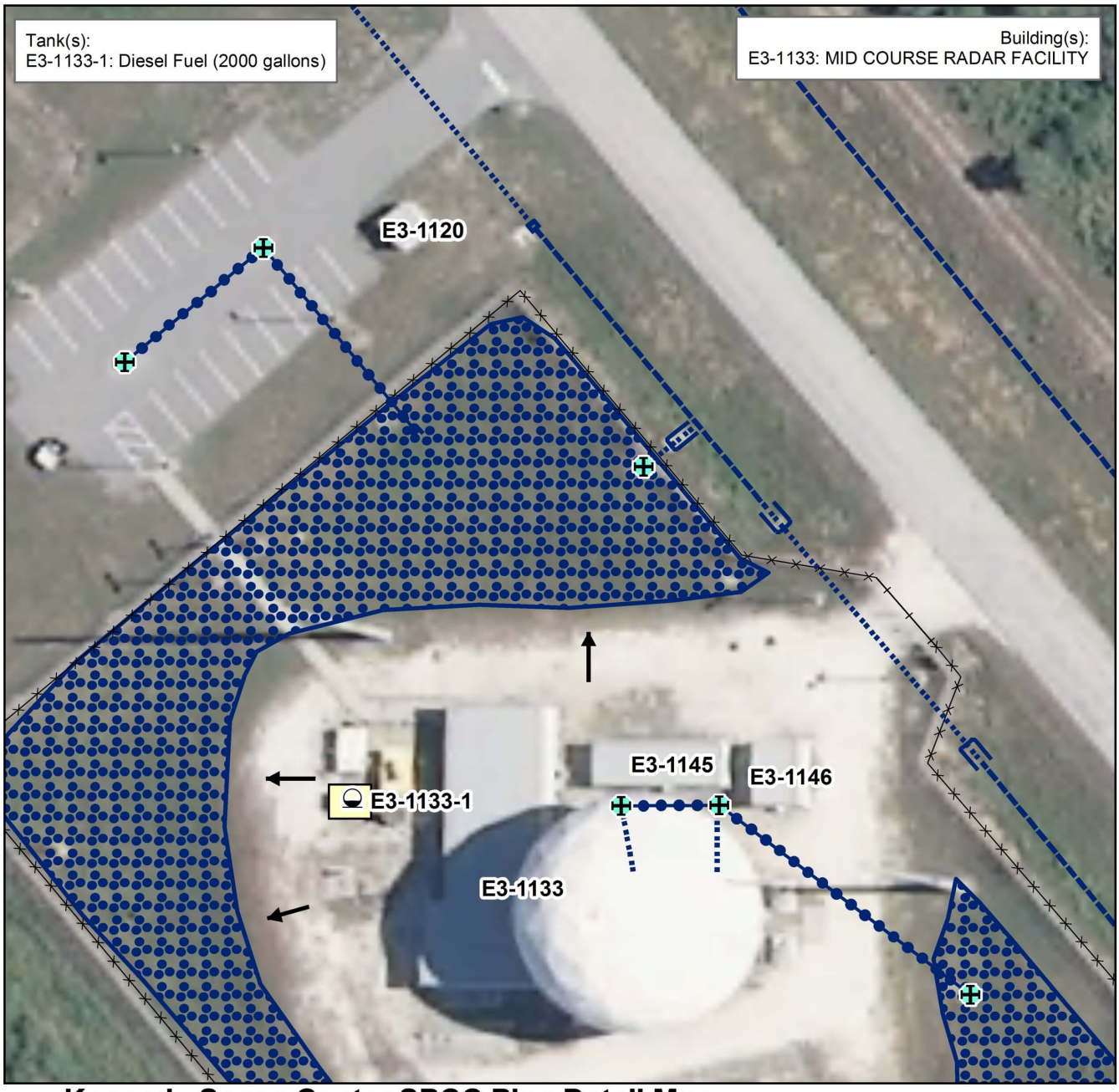
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #50
Dec 7, 2012

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: E4-2414A

Description: This building houses an emergency generator that supplies back-up power to Haulover Bridge.

Building/Site Name: HAULOVER BRIDGE BACK-UP GENERATOR

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **E4-2414A-1**

Container Type: Tank

Container Capacity: 200 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >220 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: The generator tank is refilled on an as needed basis by the KSC fuel contractor.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A tank leak would be contained within the interstitial space between the primary and secondary containment. Spills or tank leaks exiting the secndary tank wall would be contained within the secondary containment provided within the Emergency Generator Building.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all tanks storing oil.
4. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #601
Nov 12, 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: H2-1245

Description: This building houses a generator and tank that is used to supply backup power to Jay-Jay Bridge.

Building/Site Name: JAY-JAY BRIDGE BACK-UP GENERATOR BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **H2-1245-1**

Container Type: Tank

Container Capacity: 200 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building with ramped entrance

Secondary Containment Volume: >275 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The generator tank is refilled on an as needed basis by the KSC fuel contractor.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill occurring during tank filling operations would spill onto the ground and then travel south towards the Indian River. Tank leakage would be contained within the secondary containment inside Building H2-1245. Overflows would flow south out of the building to the Indian River.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all tanks storing oil.
4. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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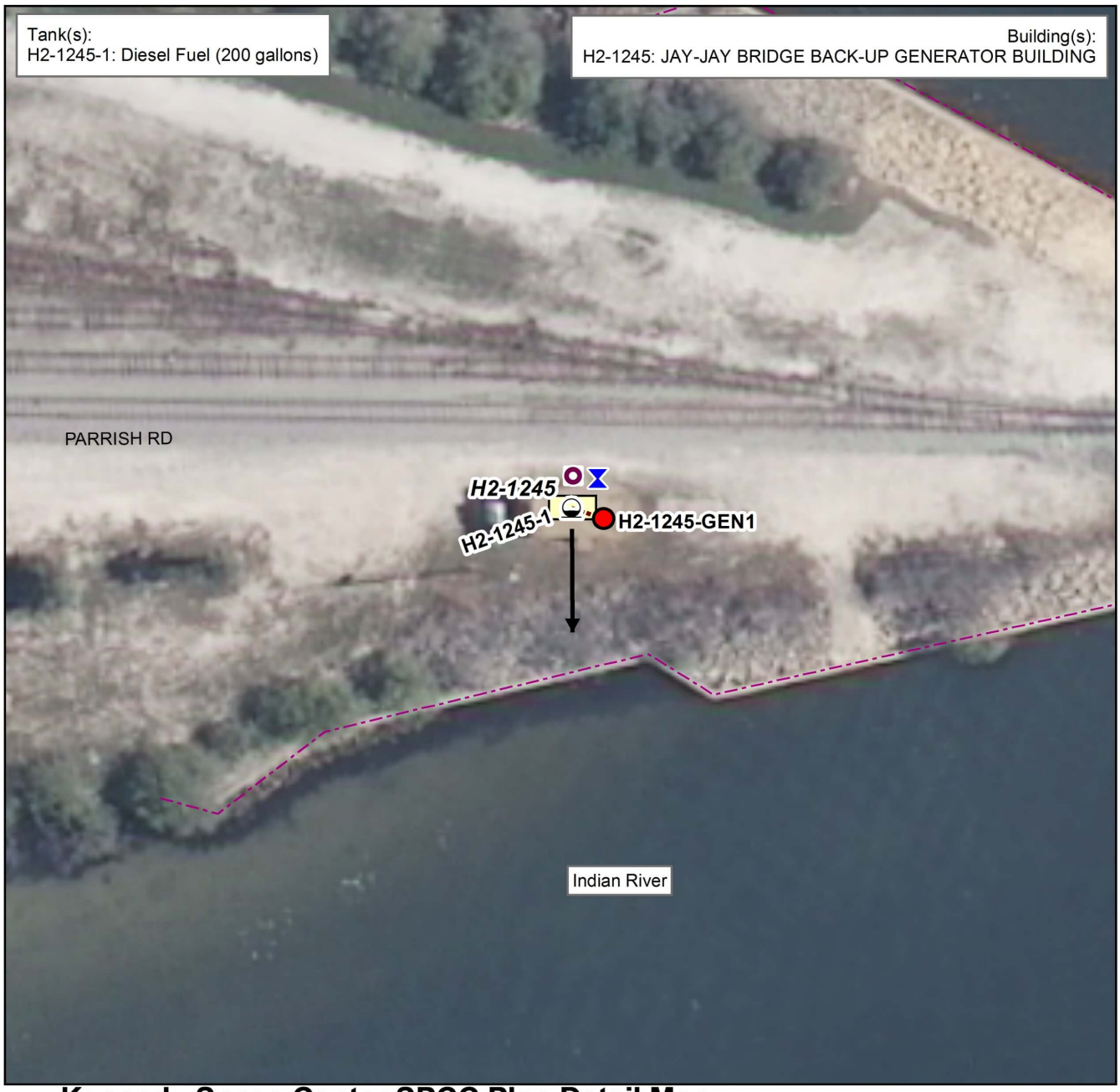
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

Feet
0 25 50 100

MAP #600
Dec 15, 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J6-0490

Description: Oil storage associated with this facility includes a diesel emergency generator and associated tank.

Building/Site Name: 500 FT WEATHER TOWER BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **J6-0490-1**

Container Type: Tank

Container Capacity: 150 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Atmospheric vent

Direct vision gauge

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >150 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. A leak exiting the secondary tank wall or a spill occurring during fueling operations would flow out onto the unpaved surface and travel northwest towards a vegetated wetlands-type area near Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #160
Nov 12, 2013

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J6-2370

Description: Oil storage at this facility consists of a fixed gererator with a double walled sub-base fuel tank that supplies emergency power to Fire Station #2.

Building/Site Name: FIRE STATION 2

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **J6-2370-1**

Container Type: Aboveground Tank

Container Capacity: 549 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Interstitial monitor and alarm

Atmospheric vent

Overfill protection, high level alarm

Construction Details: Double walled steel tank

Date Installed: Aug-10

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3, utilizing criteria from Table 4.4 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: > 600 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This generator tank is fueled on an as-needed basis by the KSC refueling contractor

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills or leaks from the tank would be contained within the interstitial space between the primary and secondary tank walls. Spills during tank filling operations or leaks from the secondary tank would spill out onto the concrete pad and surrounding gravel. A spill would migrate toward a storm drain on the north side of the tank. A spill reaching this storm drain would flow into an adjacent retention area to the east of the facility.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all stationary tanks storing fuel in accoirdance with Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.
3. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

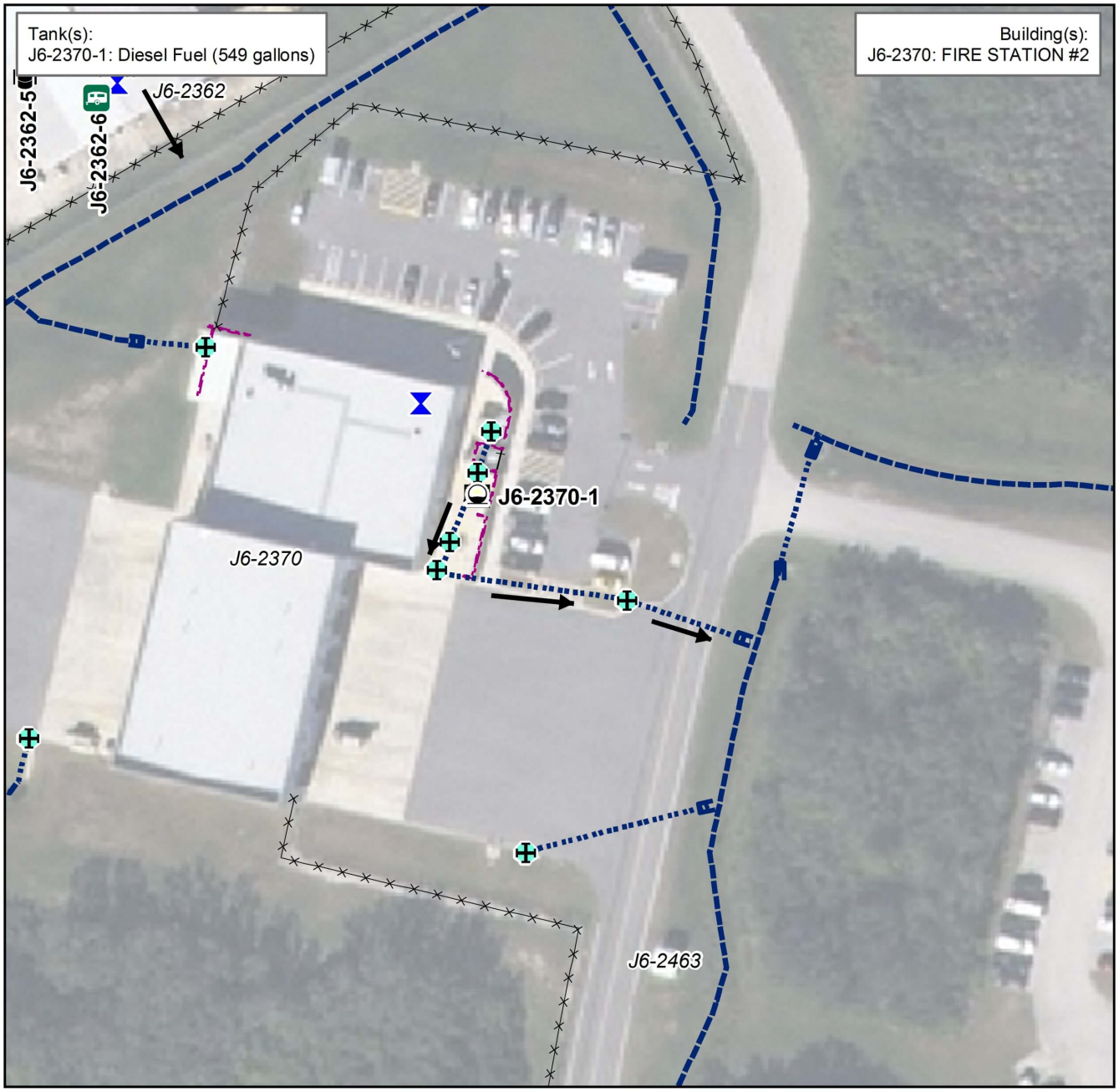
The following spill response materials are located at this building:

1. Absorbent materials

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #60
Dec 21, 2010

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J6-2466

Description: Oil storage at this facility includes two double-walled steel diesel fuel tanks supporting the fire suppression system for the hangar.

Building/Site Name: RLV HANGAR- FLIGHT VEHICLE FACILITY

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **J6-2466-1**

Container Type: Aboveground Tank

Container Capacity: 280 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Emergency vent

Construction Details: Double walled steel tank

Date Installed: Mar 2014

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >280 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from either tank would be contained within the secondary containment of the double-walled tank. A leak during filling and transfer operations would flow out onto the concrete and flow toward the east, to a stormwater ditch. A leak from system piping would be directed to a floor drain in the room. Surrounding the floor drain is a dam that is sealed to the floor. An elevated PVC pipe extends above the lip of the floor drain. Overflows of the dam and elevated pipe would discharge to a gravel sump on the southern exterior of the building.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **J6-2466-2**

Container Type: Aboveground Tank

Container Capacity: 280 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Emergency vent

Direct vision gauge on tank

Construction Details: Double walled steel tank

Date Installed: 7/1/2010

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >280 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A leak from either tank would be contained within the secondary containment of the double-walled tank. A leak during filling and transfer operations would flow out onto the concrete and flow toward the east, to a stormwater ditch. A leak from system piping would be directed to a floor drain in the room. Surrounding the floor drain is a dam that is sealed to the floor. An elevated PVC pipe extends above the lip of the floor drain. Overflows of the dam and elevated pipe would discharge to a gravel sump on the southern exterior of the building.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

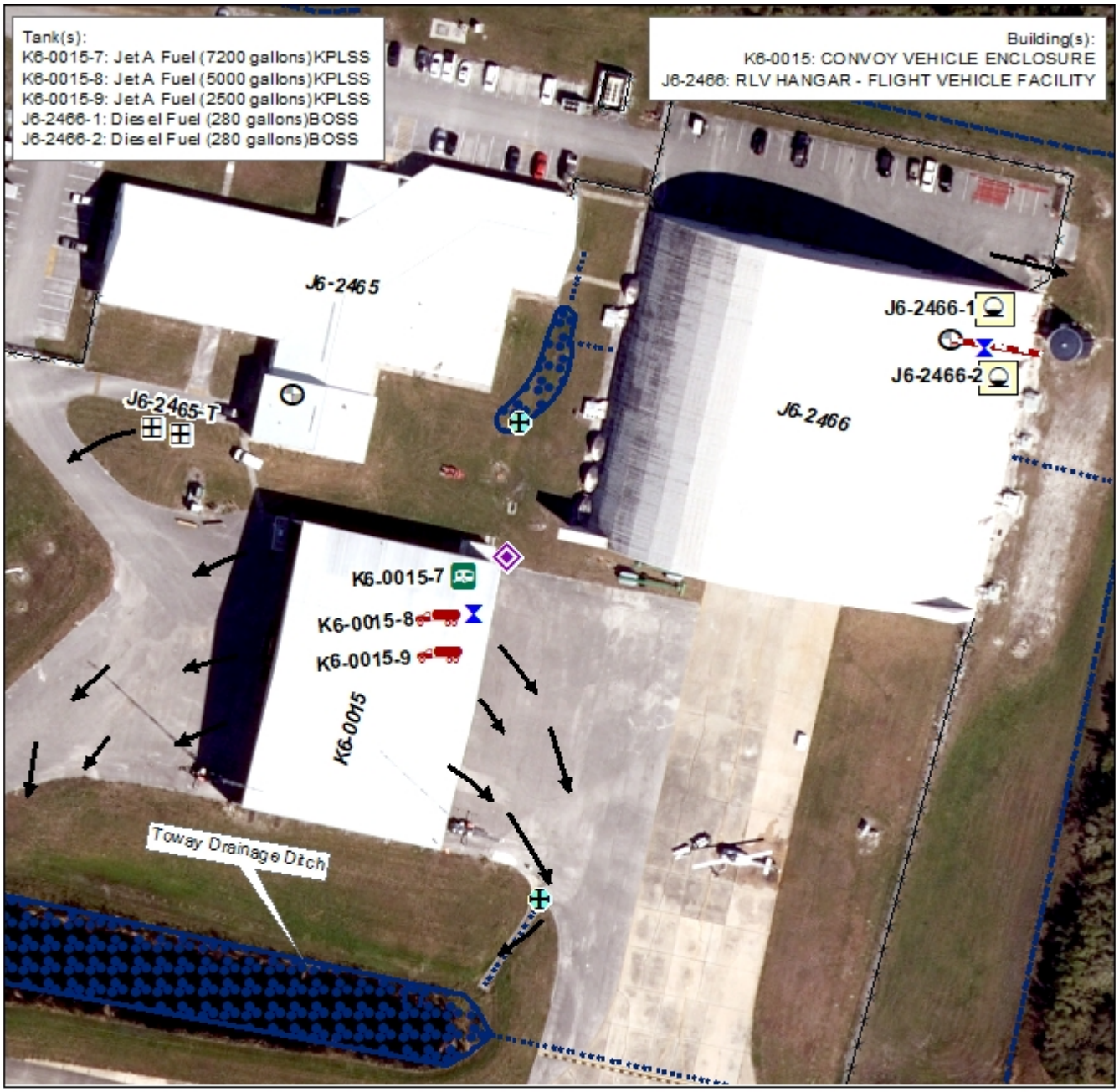
The following spill response materials are located at this building:

1. Absorbent materials

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 50 100 200 Feet

MAP #67
May 2, 2019

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J7-0337

Description: Oil storage associated with this building includes hydraulic oil within elevator equipment.

Building/Site Name: LAUNCH COMPLEX 39B

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **J7-0337-3**

Container Type: Elevator (Hydro-3)

Container Capacity: 160 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >160 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the pad wastewater treatment system.

Spill Route Details: Leaks from the reservoir would be contained in the double walled tank. A line leak would flow out onto the uncoated concrete floor surface of the room. Larger spills could potentially enter the adjacent hallway and outside asphalt parking area. A piston leak would be contained in the elevator car pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. A concrete secondary containment dike surrounds the hydraulic reservoir.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Containers are kept closed except when in use.
4. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
5. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

Feet
0 40 80 160

MAP #164
May 2, 2019

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J7-0338

Description: Oil storage associated with this building includes compressor condensate collected in a polyethylene tank.

Building/Site Name: COMPRESSED AIR BLDG.

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **J7-0338-2**

Container Type: Aboveground Tank

Container Capacity: 550 Gallons

Materials Stored: Compressor condensate

Fail Safe Features: Emergency vent

Visual Level indication

Construction Details: Double walled polyethylene tank

Date Installed: 7/20/2011

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >550 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Aluminum tubing

Oil Fill and Transfer Details: Compressor blowdown water generated in Building J7-0338 is directed to this polyethylene tank. The tank is pumped out as needed using a 3400 gallon vacuum truck.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A discharge of oily condensate water from the tank would be contained in the tank interstitial space. A leak that escapes the interstice, or in the single-walled piping would be released to the concrete pad and be absorbed into adjacent soil. A spill during tank pumping operations would flow out onto the unpaved ground surface and travel southeast and be contained in a grassy swale. The 24 hour spill response team would be adequate to address any release before it could reach navigable water.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #64
Dec 6, 2012

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J7-1387

Description: The facility is a field erected storage tank for potable water. The oil storage at this facility includes a 55-gallon transformer-rectifier as part of the cathodic protection on the ground level potable water storage tank.

Building/Site Name: Ground Level Potable Water Storage Tank

Operator: BOSS

Environmental Contact: 321-867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **J7-1387-1**

Container Type: Transformer-rectifier

Container Capacity: 55 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: Spill response capability

Direct vision of fluid level

Construction Details: Single walled steel tank on process equipment

Date Installed: 06/25/2020

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: None provided

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Small amounts of fluid are added as needed to the tank by shop personnel.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

Spill Route Details: If the tank would fail or rupture the fluid would soak into the surrounding soil and be cleaned up by the KSC Spill Team.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #801
Nov 11, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J7-1388

Description: Oil storage associated with this facility includes diesel tanks used to fuel water pumps, hydraulic oil reservoirs located within the water pump engines, and 55-gallon drums of lube oil.

Building/Site Name: INDUSTRIAL WATER PUMPING STATION

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **J7-1388-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: Lube oil and used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Secondary containment tub

Secondary Containment Volume: >60 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Lube oil is transferred to this facility in 55-gallon drums and used in small amounts, as needed.

Secondary Containment Drainage Procedure: Any liquid accumulated in the trenches of the building is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from a drum would flow out onto the concrete floor surface and be contained within the closed trench system in the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Container: **J7-1388-2**

Container Type: Process Equipment (Engine 1)

Container Capacity: 60 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: >60 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: This lube oil reservoir is filled and changed out on an as-needed basis.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the building is directed to a trench. The surface of the water is inspected for oil sheen.

Spill Route Details: A leak from this tank or a spill occurring during filling or oil change out operations would flow out onto the concrete floor surface and be contained within the closed floor trench system in the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-3**

Container Type: Process Equipment (Engine 2)

Container Capacity: 60 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: >60 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: This lube oil reservoir is filled and changed out on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the building is directed to a trench. The surface of the water is inspected for oil sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from this tank or a spill occurring during filling or oil change out operations would flow out onto the concrete floor surface and be contained within the closed floor trench system in the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-4**

Container Type: Process Equipment (Engine 3)

Container Capacity: 60 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: >60 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: This lube oil reservoir is filled and changed out on an as-needed basis.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the building is directed to a trench. The surface of the water is inspected for oil sheen.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank or a spill occurring during filling or oil change out operations would flow out onto the concrete floor surface and be contained within the closed floor trench system in the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-5**

Container Type: Process Equipment (Engine 4)

Container Capacity: 60 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: >60 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: This lube oil reservoir is filled and changed out on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the building is directed to a trench. The surface of the water is inspected for oil sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from this tank or a spill occurring during filling or oil change out operations would flow out onto the concrete floor surface and be contained within the closed floor trench system in the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-6**

Container Type: Tank (T-1)

Container Capacity: 1000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Atmospheric vent

Anti-siphon valve

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Emergency vent

Construction Details: Double walled steel tank

Date Installed: 2002

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled with a pump that is controlled by level switches in the tank. However, the system is always locked out so it needs to be manually turned in order to operate. The piping from tank J7-1388-10 to this tank is protected with an anti-siphon valve.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. A tank leak exiting the secondary wall of the tank would flow out onto the unpaved surface and travel south along a dirt road towards a drainage ditch located in the vicinity. The most likely discharge from the single-walled piping supply and return lines would be less than 42 gallons due to the anti-siphon valves on the equipment and would be contained in the soil directly under the discharge. The 24 hour spill response team would be adequate to address piping and/or a tank secondary containment discharge before it could reach navigable waters.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-7**

Container Type: Tank (T-2)

Container Capacity: 1000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Atmospheric vent

Emergency vent

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Kennedy Space Center Site-Specific SPCC Plan Data

Anti-siphon valve

Construction Details: Double walled steel tank

Date Installed: 2002

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled with a pump that is controlled by level switches in the tank. However, the system is always locked out so it needs to be manually turned in order to operate. The piping from tank J7-1388-10 to this tank is protected with an anti-siphon valve.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

The interstitial space is checked monthly for fluid.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. A tank leak exiting the secondary wall of the tank would flow out onto the unpaved surface and travel south along a dirt road towards a drainage ditch located in the vicinity. The most likely discharge from the single-walled piping supply and return lines would be less than 42 gallons due to the anti-siphon valves on the equipment and would be contained in the soil directly under the discharge. The 24 hour spill response team would be adequate to address piping and/or a tank secondary containment discharge before it could reach navigable waters.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-8**

Container Type: Tank (T-3)

Container Capacity: 1000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Anti-siphon valve

Atmospheric vent

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Emergency vent

Construction Details: Double walled steel tank

Date Installed: 2002

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled with a pump that is controlled by level switches in the tank. However, the system is always locked out so it needs to be manually turned in order to operate. The piping from tank J7-1388-10 to this tank is protected with an anti-siphon valve.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. A tank leak exiting the secondary wall of the tank would flow out onto the unpaved surface and travel south along a dirt road towards a drainage ditch located in the vicinity. The most likely discharge from the single-walled piping supply and return lines would be less than 42 gallons due to the anti-siphon valves on the equipment and would be contained in the soil directly under the discharge. The 24 hour spill response team would be adequate to address piping and/or a tank secondary containment discharge before it could reach navigable waters.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-9**

Container Type: Tank (T-4)

Container Capacity: 1000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Anti-siphon valve

Atmospheric vent

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Kennedy Space Center Site-Specific SPCC Plan Data

Emergency vent

Construction Details: Double walled steel tank

Date Installed: 2002

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled with a pump that is controlled by level switches in the tank. However, the system is always locked out so it needs to be manually turned in order to operate. The piping from tank J7-1388-10 to this tank is protected with an anti-siphon valve.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The interstitial space is checked monthly for fluid.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. A tank leak exiting the secondary wall of the tank would flow out onto the unpaved surface and travel south along a dirt road towards a drainage ditch located in the vicinity. The most likely discharge from the single-walled piping supply and return lines would be less than 42 gallons due to the anti-siphon valves on the equipment and would be contained in the soil directly under the discharge. The 24 hour spill response team would be adequate to address piping and/or a tank secondary containment discharge before it could reach navigable waters.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **J7-1388-10**

Container Type: Tank (5k)

Container Capacity: 5000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon valve on piping

Direct vision gauge on tank

Atmospheric vent

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Emergency vent

Construction Details: Double walled steel tank

Date Installed: 2002

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank located within a concrete containment dike

Secondary Containment Volume: >5000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor. Containment is not provided for loading/unloading operations.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

The interstitial space is checked monthly for fluid.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. A tank leak exiting the secondary wall of the tank would be contained within the tertiary containment basin. The most likely discharge from the single-walled piping supply and return lines would be less than 42 gallons due to the anti-siphon valves on the equipment and would be contained in the soil directly under the discharge. A spill occuring during tank filling operations would flow out onto the paved surface of the tank fill area and travel south toward a storm drain which discharges to a drainage ditch. The 24 hour spill response team would be adequate to address piping and/or a tank secondary containment discharge before it could reach navigable waters.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. Access to the dirt road is limited due to locked gates at both ends.
3. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.

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Kennedy Space Center Site-Specific SPCC Plan Data

4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums.
6. Secondary containment is provided for all tanks storing fuel.
7. Warning signs have been installed to inform vehicles using the dirt road of the presence of piping.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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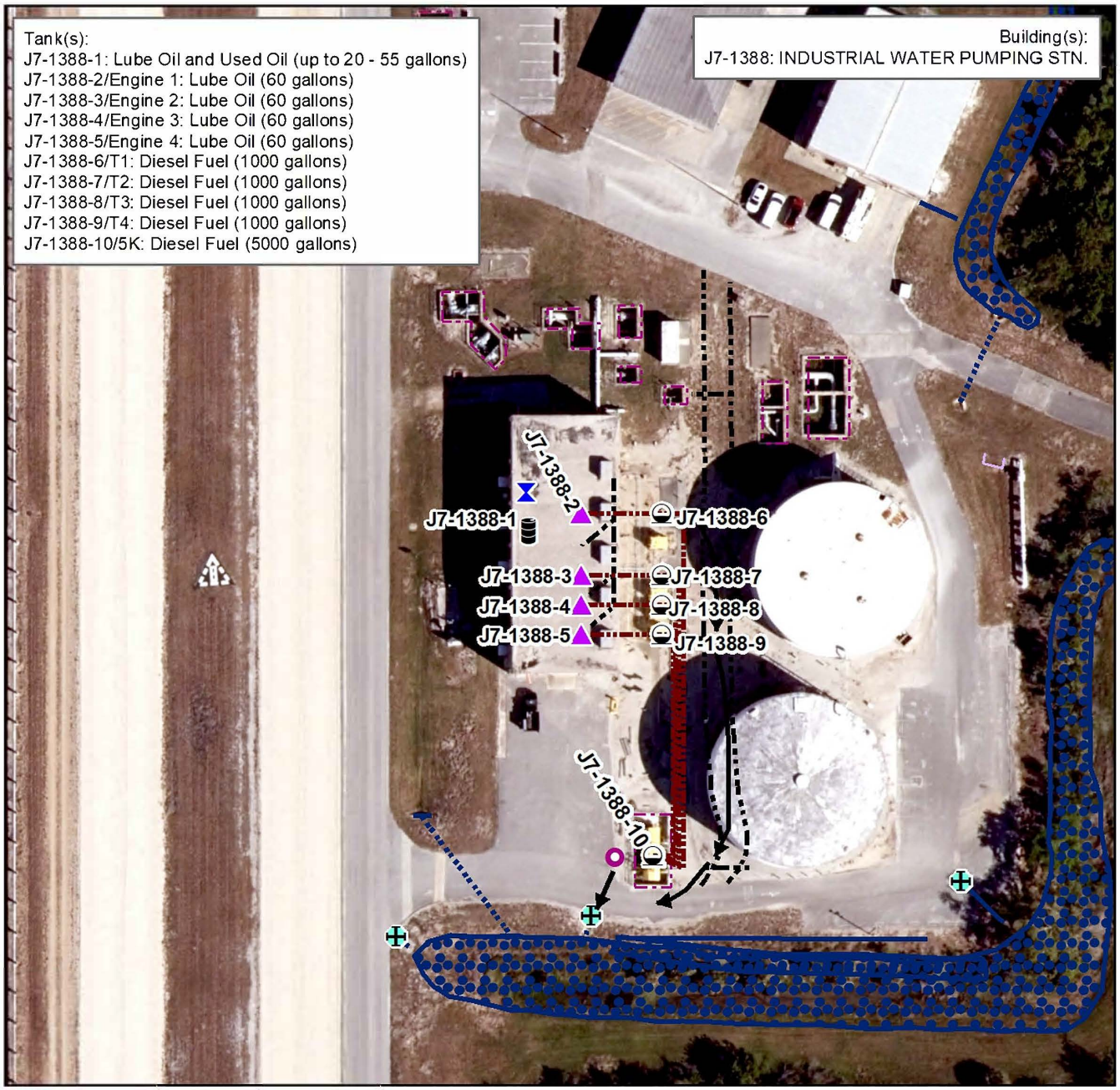
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #156
Nov 12, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0545

Description: Oil storage at this facility consists of hydraulic oils and diesel fuel used in Spacecraft Transporter Equipment.

Building/Site Name: TRANSPORTER STORAGE WAREHOUSE

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0545-7**

Container Type: Mobile Tank

Container Capacity: 300 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Atmospheric vent

Direct vision gauge on tank

Emergency vent

Interstitial monitor

Spill response capability

Construction Details: Double walled belly steel tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >300 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

The interstitial space is checked monthly for fluid.

Spill Route Details: A spill or leak from the main tank would be contained in the secondary tank. A spill or leak during the fueling operations would depend on the location at the time of fueling. The most likely release would be minor and the fueling operator would clean-up the release and notify the KSC spill response team.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. Place spill containment devices between the spill and the nearest storm drainage channel.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 35 70 140 Feet

MAP #727
Jun 23, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0794

Description: Oil storage associated with this facility includes new lube oil stored in 55-gallon drums, and hydraulic oil associated with elevator equipment.

Building/Site Name: THERMAL PROTECTION SYSTEM FACILITY

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0794-2**

Container Type: Elevator (TPSF Rm 1027)

Container Capacity: 118 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision of liquid through fill port

Construction Details: Single walled steel tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >118 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Small amount of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

Spill Route Details: A leak in the hydraulic oil reservoir would flow out onto the uncoated concrete floor surface, potentially entering the adjacent room. There are no floor drains in the vicinity. A piston leak would flow into the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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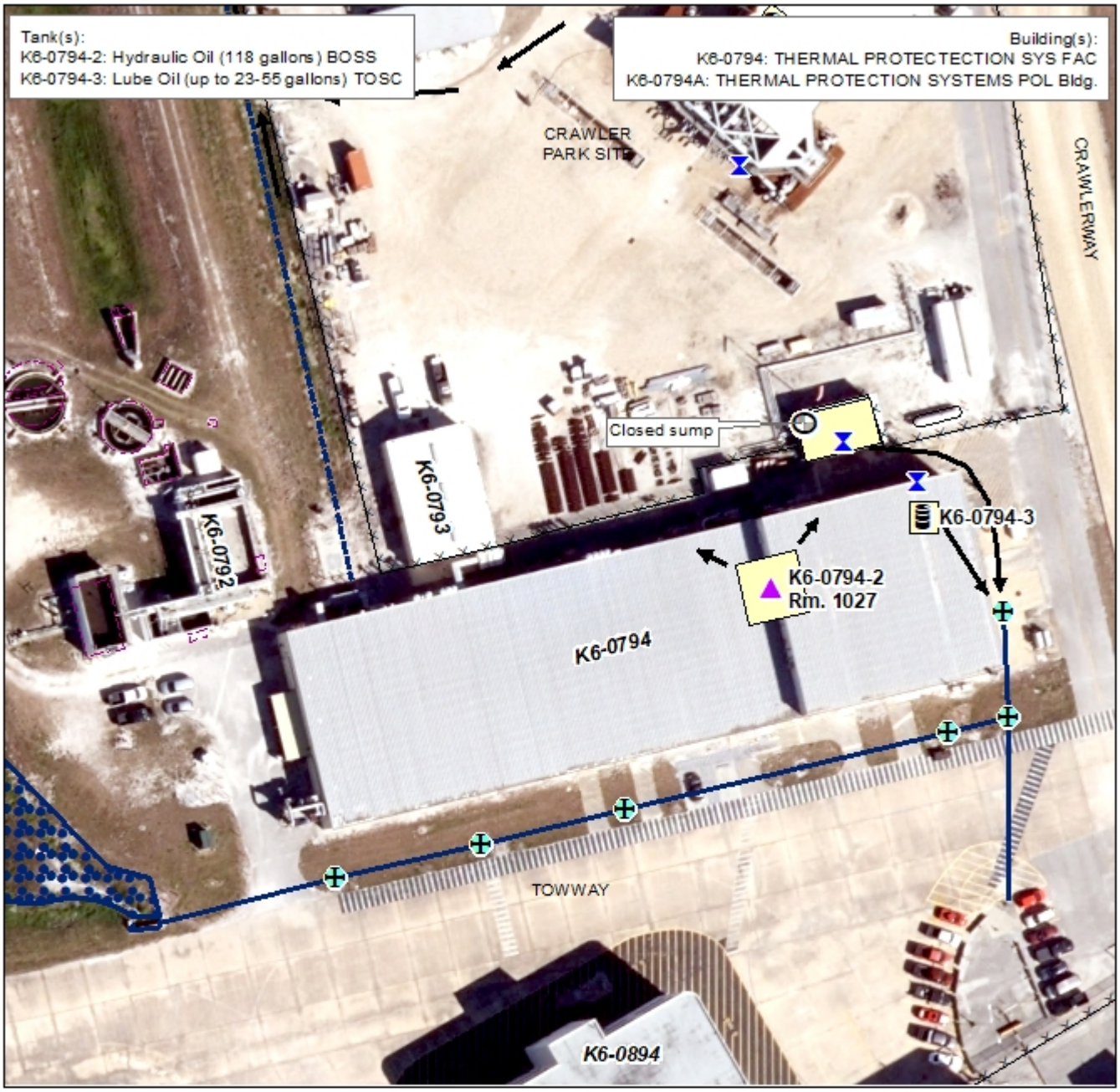
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 40 80 160 Feet

MAP #32
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0895

Description: Oil storage associated with this facility includes diesel tanks used to fuel three engines, lube oil reservoirs within the engines themselves, and new and used oil stored in 55-gallon drums.

Building/Site Name: OPF PUMPHOUSE

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0895-1**

Container Type: Tank (T-1)

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Pneumatic activator on piping only allows fuel into the pipe when the engine is operating

Direct vision gauge on tank

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled by fuel trucks operated by NASA's fuel delivery contractor. The driver will place a barrier mat over the nearby drop inlet of a storm drain. The tank is equipped with a fill bucket to contain small quantity spills occurring during fueling activities. A pneumatic actuator located within the piping is closed at all times when the engines are not operating to ensure fuel in the tank is not lost to siphoning if the pipe were to leak.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A leak in the tank would be contained within the interstitial space between the primary and secondary walls of the tank. Leaks exiting the secondary tank wall and overflows or leaks occurring during fueling operations would flow out onto the ground surface and travel south to a storm drain located in the vicinity. A leak associated with tank piping occurring while the engines are operating would flow out onto the ground surface and travel southeast towards the storm drain. This storm drain discharges to Banana Creek. This drain should be covered with a barrier mat preventing further run-off.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-0895-2**

Container Type: Tank (T-2)

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Pneumatic activator on piping only allows fuel into the pipe when the engine is operating

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

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Kennedy Space Center Site-Specific SPCC Plan Data

Oil Fill and Transfer Details: This tank is filled by fuel trucks operated by NASA's fuel delivery contractor. The driver will place a barrier mat over the nearby drop inlet of a storm drain. The tank is equipped with a fill bucket to contain small quantity spills occurring during fueling activities. A pneumatic actuator located within the piping is closed at all times when the engines are not operating to ensure fuel in the tank is not lost to syphoning if the pipe were to leak.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The interstitial space is checked monthly for fluid.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak in the tank would be contained within the interstitial space between the primary and secondary walls of the tank. Leaks exiting the secondary tank wall and overflows or leaks occurring during fueling operations would flow out onto the ground surface and travel south to a storm drain located in the vicinity. A leak associated with tank piping occurring while the engines are operating would flow out onto the ground surface and travel southeast towards the storm drain. This storm drain discharges to Banana Creek. This drain should be covered with a barrier mat preventing further run-off.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-0895-3**

Container Type: Tank (T-3)

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Pneumatic activator on piping only allows fuel into the pipe when the engine is operating

Direct vision gauge on tank

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1500 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled by fuel trucks operated by NASA's fuel delivery contractor. The driver will place a barrier mat over the nearby drop inlet of a storm drain. The tank is equipped with a fill bucket to contain small quantity spills occurring during fueling activities. A pneumatic actuator located within the piping is closed at all times when the engines are not operating to ensure fuel in the tank is not lost to syphoning if the pipe were to leak.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A leak in the tank would be contained within the interstitial space between the primary and secondary walls of the tank. Leaks exiting the secondary tank wall and overflows or leaks occurring during fueling operations would flow out onto the ground surface and travel south to a storm drain located in the vicinity. A leak associated with tank piping occurring while the engines are operating would flow out onto the ground surface and travel southeast towards the storm drain. This storm drain discharges to Banana Creek. This drain should be covered with a barrier mat preventing further run-off.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-0895-4**

Container Type: Process Equipment (Engine 3)

Container Capacity: 80 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel engine sump

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: > 80 Gallons

Piping Type: N/A

Corrosion Protection: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Details: N/A

Oil Fill and Transfer Details: This reservoir is filled on an as-needed basis. The oil is also changed out on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment concrete basin is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the oil reservoir on the engine or a spill occurring during oil transfer operations would flow out onto the concrete floor of the building and flow into a concrete sump. Overflows from the sump large enough to exit the building would permeate into the adjacent gravely soil rather than flowing offsite.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0895-5**

Container Type: Process Equipment (Engine 2)

Container Capacity: 80 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel engine sump

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: >80 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This reservoir is filled on an as-needed basis. The oil is also changed out on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment concrete basin is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the oil reservoir on the engine or a spill occurring during oil transfer operations would flow out onto the concrete floor of the building and flow into a concrete sump. Overflows from the sump large enough to exit the building would permeate into the adjacent gravely soil rather than flowing offsite.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0895-6**

Container Type: Process Equipment (Engine 1)

Container Capacity: 80 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel engine sump

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: >80 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This reservoir is filled on an as-needed basis. The oil is also changed out on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment concrete basin is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the oil reservoir on the engine or a spill occurring during oil transfer operations would flow out onto the concrete floor of the building and flow into a concrete sump. Overflows from the sump large enough to exit the building would permeate into the adjacent gravely soil rather than flowing offsite.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0895-8**

Container Type: 55-Gallon Drum

Container Capacity: Up to 10 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: None

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Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Secondary containment pallet and blind sump

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New and used oil is transferred to and from this facility in 55-gallon drums via forklift.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

Spill Route Details: A leak from the these drums or a spill occurring during transfer operations would be contained within secondary containment pallets. Overflows would flow out onto the concrete floor of the building and travel southeast towards a door located in the southeast corner of the building. Any oil exiting the building would travel southeast towards a storm drain located in the vicinity. This drain discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Containers are kept closed except when in use.
4. Cover nearby storm drains during unloading procedures.
5. Diesel fuel tank is equipped with high level audible, visual alarms, and level gauges to prevent tank overfilling.
6. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.

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Kennedy Space Center Site-Specific SPCC Plan Data

7. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

8. Secondary containment is provided for the tanks storing diesel fuel.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.

2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.

2. Notify Supervisor.

3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.

2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.

3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.

4. Place spill containment devices between the spill and the nearest storm drainage channel.

5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.

6. Notify supervisor or facility manager who will follow the procedures outlined below.

7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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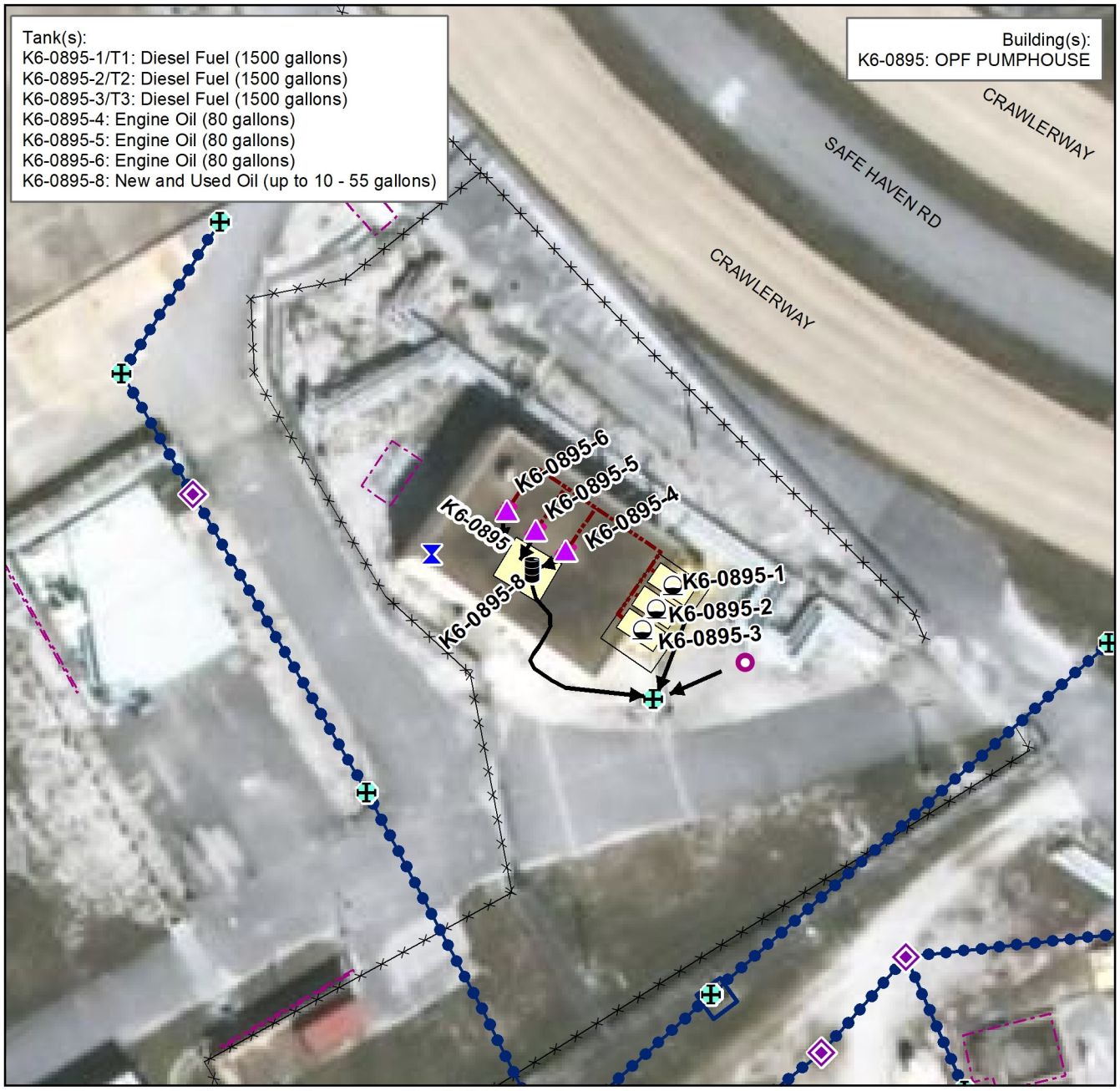
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 50 100 200 Feet

MAP #16
May 25, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0947

Description: Oil storage at this facility includes diesel fuel in aboveground tanks used as a bulk fuel depot, and for fire suppression pumps. Additionally, new and used oil is stored in 55-gallon drums and used for engine maintenance.

Building/Site Name: UTILITY ANNEX

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0947-1**

Container Type: Aboveground Tank

Container Capacity: 30000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon foot valve

Automatic overfill shut off valve

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed: Nov-07

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >30,000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Tank is filled on an as-needed basis by an off-site commercial fuel contractor. The tank is fueled approximately every two weeks. Fuel from this tank can be used to fuel the Utility Annex boilers located inside K6-0947, or alternatively, be transferred to BOSS Logistics mobile refueler trucks.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Any spills or leaks from the tank would be contained in the interstitial space. Leakage from the interstice would be held in the concrete containment basin. Leakage from single-walled piping leading from the tank to the building would collect in the soil beneath the pipe and flow west toward the adjacent roadway. An anti-siphon foot valve within the tank that closes when pressure is lost in the supply piping would limit piping discharge to less than 50 gallons. Currently, the 24 hour spill response team would provide cleanup. Spills during fuel filling operations would be contained within the fuel fill spill box. Fuel spills during transfer operations to mobile refuelers would be captured on the concrete in the immediate loading area which drains back to the concrete containment system, as required. Any spills or releases from the boilers would flow to a facility floor drain in Building K6-0947. The floor drain leads to a sump. Prior to manual release to the sanitary sewer, sump contents are inspected.

Maximum Refueling/Vacuum Truck Capacity: 7500 Gallons

Container: **K6-0947-2**

Container Type: Aboveground Tank

Container Capacity: 30000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Automatic overfill shut off valve

Anti-siphon foot valve

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed: Nov-07

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >30,000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

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Kennedy Space Center Site-Specific SPCC Plan Data

Oil Fill and Transfer Details: Tank is filled on an as-needed basis by an of-site commercial fuel vendor. The tank is fueled approx. every two weeks. Fuel from this tank can be used to fuel the Utility Annex boilers located in K6-0947, or be transferred to BOSS Logistics mobile refueler trucks.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Any spills or leaks from the tank would be contained in the interstitial space. Leakage from the interstice would be held in the concrete containment basin. Leakage from single-walled piping leading from the tank to the building would collect in the soil beneath the pipe and flow west toward the adjacent roadway. An anti-siphon foot valve within the tank that closes when pressure is lost in the supply piping would limit piping discharge to less than 50 gallons. Currently, the 24 hour spill response team would provide cleanup. Spills during fuel filling operations would be contained within the fuel fill spill box. Fuel spills during transfer operations to mobile refuelers would be captured on the concrete in the immediate loading area which drains back to the concrete containment system, as required. Any spills or releases from the boilers would flow to a facility floor drain in Building K6-0947. The floor drain leads to a sump. Prior to manual release to the sanitary sewer, sump contents are inspected.

Maximum Refueling/Vacuum Truck Capacity: 7500 Gallons

Container: **K6-0947-3**

Container Type: Aboveground Tank

Container Capacity: 30000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon foot valve

Automatic overfill shut off valve

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed: Feb-08

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >30,000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Tank is filled on an as-needed basis by an of-site commercial fuel vendor. The tank is fueled approx. every two weeks. Fuel from this tank can be used to fuel the Utility Annex boilers located in K6-0947, or be transferred to BOSS Logistics mobile refueler trucks.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

The interstitial space is checked monthly for fluid.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Any spills or leaks from the tank would be contained in the interstitial space. Leakage from the interstice would be held in the concrete containment basin. Leakage from single-walled piping leading from the tank to the building would collect in the soil beneath the pipe and flow west toward the adjacent roadway. An anti-siphon foot valve within the tank that closes when pressure is lost in the supply piping would limit piping discharge to less than 50 gallons. Currently, the 24 hour spill response team would provide cleanup. Spills during fuel filling operations would be contained within the fuel fill spill box. Fuel spills during transfer operations to mobile refuelers would be captured on the concrete in the immediate loading area which drains back to the concrete containment system, as required. Any spills or releases from the boilers would flow to a facility floor drain in Building K6-0947. The floor drain leads to a sump. Prior to manual release to the sanitary sewer, sump contents are inspected.

Maximum Refueling/Vacuum Truck Capacity: 7500 Gallons

Container: **K6-0947-8**

Container Type: Tank (T-2)

Container Capacity: 550 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Double walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >550 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is fueled by the base fuels contractor on an as-needed basis. This tank provides fuel to firex pump engines via aboveground piping.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. Small spills occurring during tank filling operations would be contained within a fill bucket present at the tank fill area. Leaks from the interstial space, piping discharges and spills during fueling would migrate over asphalt to the low point where a stormwater inlet discharges to a ditch south and east of the VAB Utility Annex. This ditch system eventually discharges to the Turn Basin which is part of the Banana River. The 24 hour spill response team would be able to stop and collect a discharge in the ditch before it reaches navigable water.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-0947-9**

Container Type: Tank (T-3)

Container Capacity: 550 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Double walled steel tank

Date Installed: Unknown

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >550 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is fueled by the base fuels contractor on an as-needed basis. This tank provides fuel to firex pump engines via aboveground piping.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. Small spills occurring during tank filling operations would be contained within a fill bucket present at the tank fill area. Leaks from the interstial space, piping discharges and spills during fueling would migrate over asphalt to the low point where a stormwater inlet discharges to a ditch south and east of the VAB Utility Annex. This ditch system eventually discharges to the Turn Basin which is part of the Banana River. The 24 hour spill response team would be able to stop and collect a discharge in the ditch before it reaches navigable water.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-0947-10**

Container Type: Tank (T-4)

Container Capacity: 550 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Double walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >550 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is fueled by the base fuels contractor on an as-needed basis. This tank provides fuel to firex pump engines via aboveground piping.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. Small spills occurring during tank filling operations would be contained within a fill bucket present at the tank fill area. Leaks from the interstial space, piping discharges and spills during fueling would migrate over asphalt to the low point where a stormwater inlet discharges to a ditch south and east of the VAB Utility Annex. This ditch system eventually discharges to the Turn Basin which is part of the Banana River. The 24 hour spill response team would be able to stop and collect a discharge in the ditch before it reaches navigable water.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-0947-12**

Container Type: 55-Gallon Drum

Container Capacity: Up to 2 - 55 Gallons

Materials Stored: Oil

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Details: N/A

Oil Fill and Transfer Details: Oil is dispensed on an as needed basis manually into small containers.

Secondary Containment Drainage Procedure: Any liquid accumulated in the sump is inspected for the presence of oil.

If deemed to be free of oil, accumulated liquid is discharged to the sanitary sewer from the sump.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Spills or leakage from drum would flow into the floor drain and be captured in a sump which is pumped out or is discharged to the sanitary sewer if free of oil.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0947-13**

Container Type: 55-Gallon Drum

Container Capacity: Up to 10 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New and used oil is transferred to and from this facility in 55-gallon drums.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill of this material would be contained by the provided spill pallet. If allowed to overflow the containment, a spill would flow out onto the concrete floor surface and travel to a nearby floor drain. The floor drain is covered with a weighted rubber mat.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0947-14**

Container Type: Aboveground Tank

Container Capacity: 600 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision level gauge on tank

Emergency vent

Interstitial monitor

Spill bucket

Spill response capability

Construction Details: Double walled steel tank

Date Installed: 10/20/2015

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Annual walk around inspections are conducted in accordance with Section 4.3, utilizing criteria from Table 4.4 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >600 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: This tank is fueled by the base fuels contractor on an as-needed basis. This tank provides fuel to firex pump engines via aboveground piping.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The interstitial space is checked monthly for fluid.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. Small spills occurring during tank filling operations would be contained within a fill bucket present at the tank fill area. Leaks from the interstial space, piping discharges and spills during fueling would migrate over asphalt to the low point where a stormwater inlet discharges to a ditch south and east of the VAB Utility Annex. This ditch system eventually discharges to the Turn Basin which is part of the Banana River. The 24 hour spill response team would be able to stop and collect a discharge in the ditch before it reaches navigable water.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Containers are kept closed except when in use.
4. Diesel fuel tanks are equipped with high level audible or visual alarms to prevent tank overfilling.
5. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
6. Secondary containment is provided for all tanks storing diesel fuel.
7. Secondary containment is provided for the fuel loading/unloading area.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.

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Kennedy Space Center Site-Specific SPCC Plan Data

6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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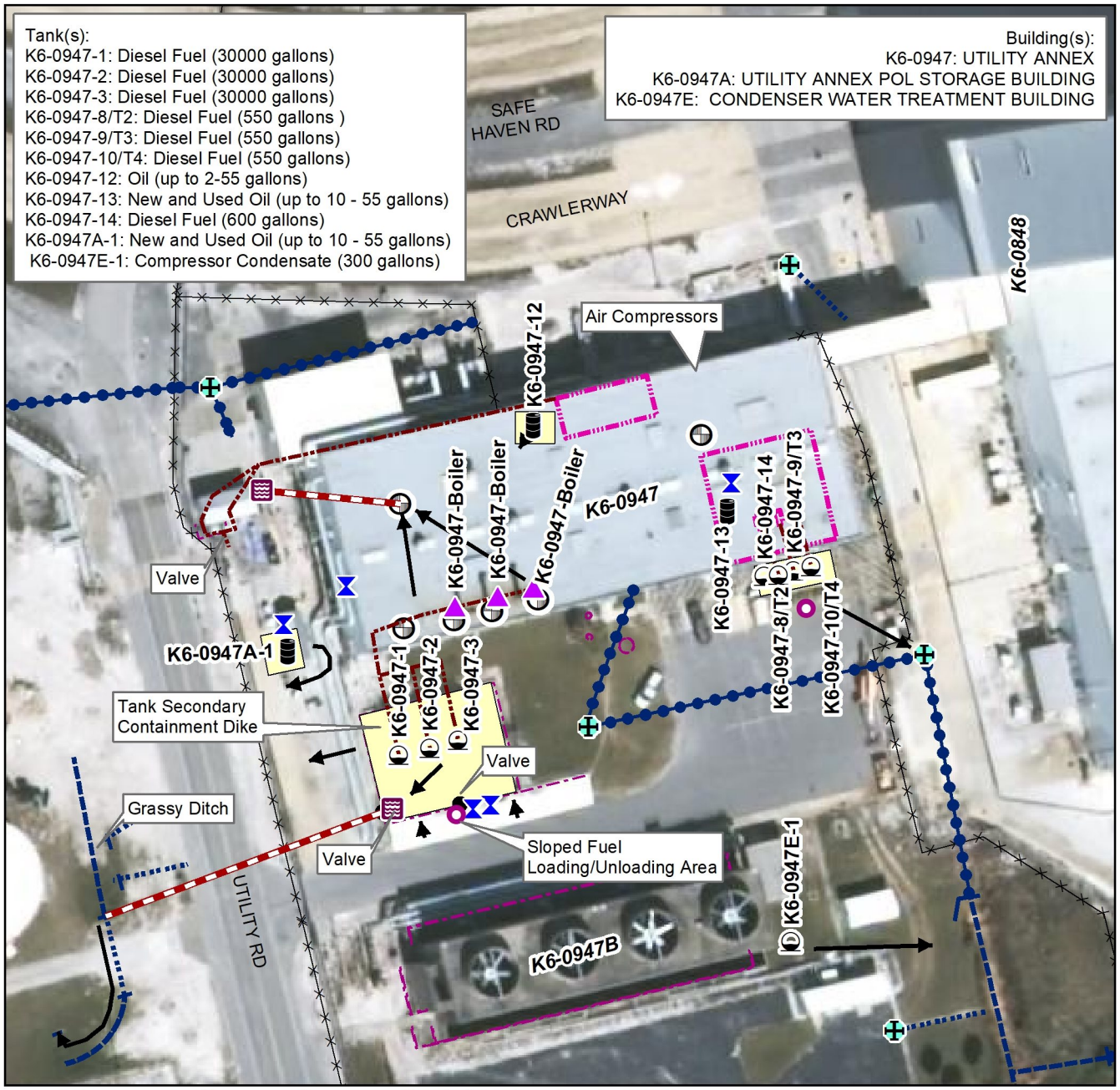
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

0 50 100 200 Feet

MAP #14
May 25, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0947A

Description: The primary function of this building is to store oils used at the Utility Annex.

Building/Site Name: UTILITY ANNEX POL STORAGE BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0947A-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 10 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Concrete berm inside building

Secondary Containment Volume: 1009 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New oil is dispensed manually into small containers. Used oil is transported to this building in small containers and manually poured into the drums, inside secondary containment. Up to 8 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills from drums would be contained within the bermed building. Overflows of secondary containment would flow west on pavement to a grassy area and infiltrate into the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all drums storing new and used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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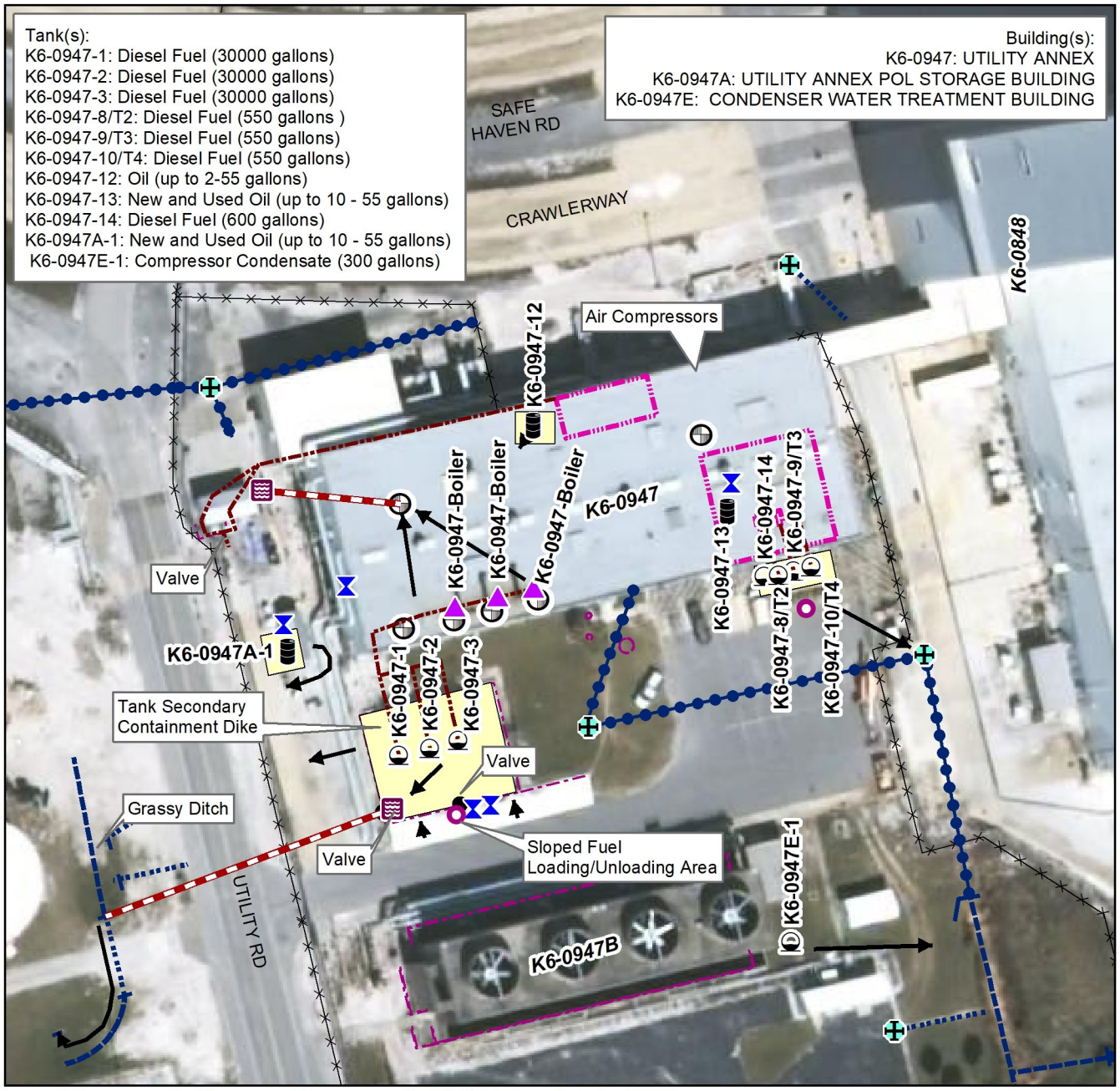
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

0 50 100 200 Feet

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0947E

Description: Oil storage at this facility includes compressor condensate that is collected in a polyethylene tank.

Building/Site Name: CONDENSER WATER TREATMENT BLDG

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0947E-1**

Container Type: Aboveground Tank

Container Capacity: 300 Gallons

Materials Stored: Compressor condensate

Fail Safe Features: Visual Level indication

Construction Details: Double walled polyethylene tank

Date Installed: 2015

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >300 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Compressor blowdown water generated in Building K6-0947E is directed to this polyethylene tank. And transferred to this tank by the action of an air compressor. This tank is pumped out on an as-needed basis using a 3400 gallon vacuum truck.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank, or integral piping, would discharge to the soil and be absorbed. The 24 hour spill response team would be adequate to address any release before it could reach navigable water.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. None provided

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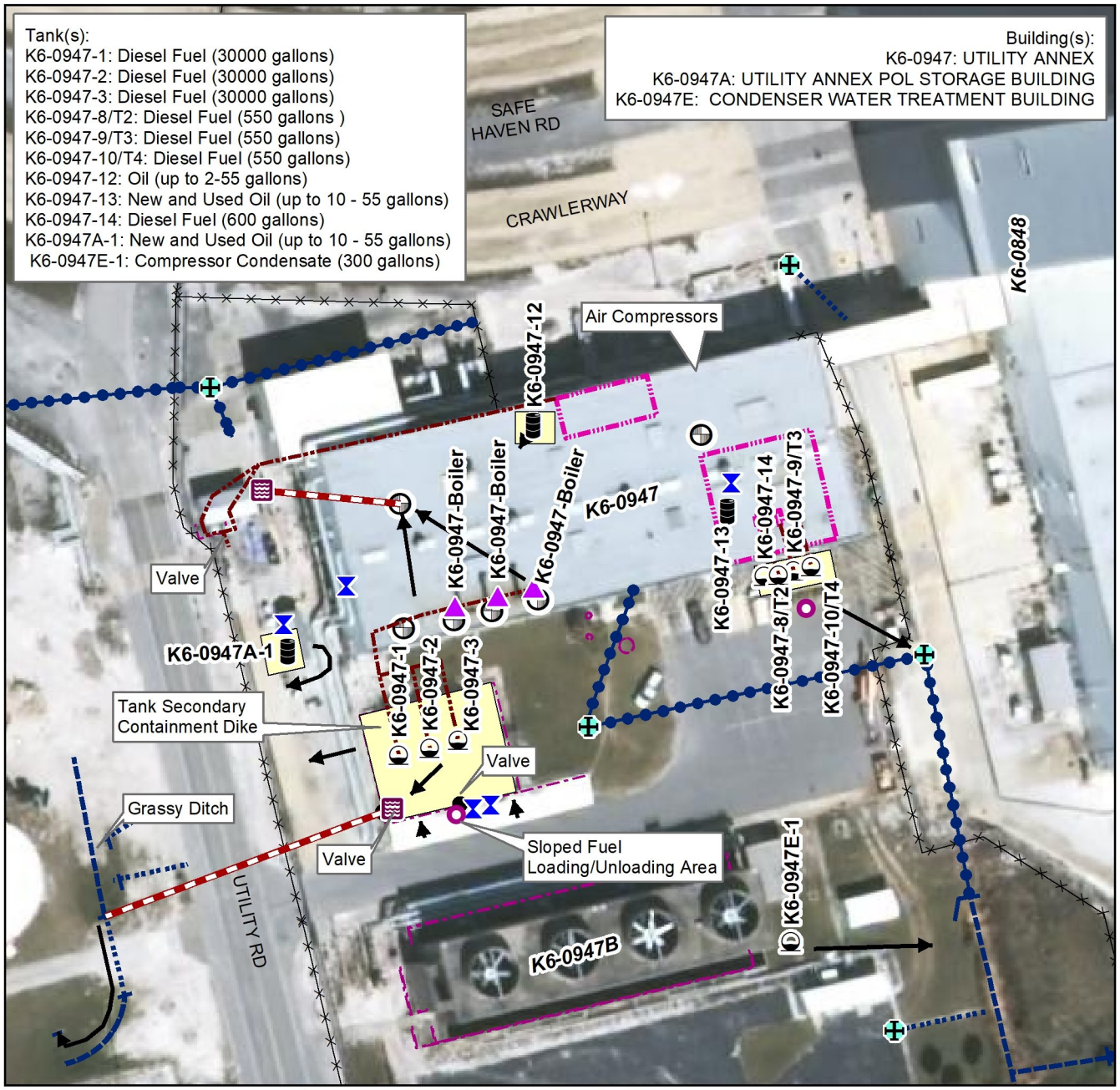
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

0 50 100 200 Feet

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1091

Description: The primary function of this facility is to provide emergency power to KSC launch-critical infrastructure. Oil storage at this facility consists of diesel fuel in tanks, new and used oil in 55-gallon drums, lubricating oil within the emergency generators, and dielectric oil associated with oil-filled electrical transformers.

Building/Site Name: LC-39 EMERGENCY POWER PLANT

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1091-1**

Container Type: Tank

Container Capacity: 10000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Solenoid anti-siphon valve

Overfill protection, low level alarm

High level alarm, interstitial monitor

Level gauge

Construction Details: Steel tank encased in concrete vault

Date Installed: 1999

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete vaulted tank

Secondary Containment Volume: 12500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled through a fill box on the east side of Building K6-1091 by a 10,000 gallon commercial fueler. Other than spill response materials, no containment is provided at the loading/unloading area.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

Spill Route Details: Spills during tank filling operations and leaks from the single-walled piping segments would flow north on gravel and vegetated land towards a wetlands area. Spills from contained tank piping sections would accumulate in the piping interstitial space. Leaks from the interstice would flow north across gravel and/or vegetated ground toward a wetland area adjacent to Banana Creek. Spills or leakages from the tank would be contained within the interstitial wall between the primary tank wall and concrete vault. Leaks exiting the secondary tank wall would flow north towards the wetlands area adjacent to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 10000 Gallons

Container: **K6-1091-2**

Container Type: Tank

Container Capacity: 10000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Level gauge

High level alarm, interstitial monitor

Overfill protection, low level alarm

Solenoid anti-siphon valve

Construction Details: Steel tank encased in concrete vault

Date Installed: 1999

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete vaulted tank

Secondary Containment Volume: 12500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled through a fill box on the east side of Building K6-1091 by a 10,000 gallon commercial fueler. Other than spill response materials, no containment is provided at the loading/unloading area.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Spill Route Details: Spills during tank filling operations and leaks from the single-walled piping segments would flow north on gravel and vegetated land towards a wetlands area. Spills from contained tank piping sections would accumulate in the piping interstitial space. Leaks from the interstice would flow north across gravel and/or vegetated ground toward a wetland area adjacent to Banana Creek. Spills or leakages from the tank would be contained within the interstitial wall between the primary tank wall and concrete vault. Leaks exiting the secondary tank wall would flow north towards the wetlands area adjacent to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 10000 Gallons

Container: **K6-1091-3**

Container Type: Tank

Container Capacity: 250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Tank overfill piping

Liquid detection probe in secondary containment

Construction Details: Single walled steel tank

Date Installed: 1999

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel containment structure

Secondary Containment Volume: >250 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The generator day tank is automatically filled from either of two 10000-gallon tanks by a pump activated by low and high level switches. If the high level switch fails to turn off the pump, overfill piping will direct the fuel back to the 10000-gallon tanks. The two 10000-gallon tanks are also equipped with solenoid valves which would prevent the release of the entire contents of these tanks into Building K6-1091 if the piping were to leak. Additionally, the building floor would provide containment for small piping leaks.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

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Spill Route Details: Any spills or leaks from the generator day tank would be contained in the steel secondary containment structure. A liquid detection sensor in the interstitial space would detect the fluid and turn off the transfer fill pump prior to emptying the contents of the 10000-gallon tanks. Leaks from piping would be captured on the floor and contained within the building. The most likely piping spill volume would be less than 10-gallons based on the size of the existing small diameter piping and inspection frequency.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-4**

Container Type: Tank

Container Capacity: 250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Liquid detection probe in secondary containment

Tank overfill piping

Construction Details: Single walled steel tank

Date Installed: 1999

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel containment structure

Secondary Containment Volume: >250 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The generator day tank is automatically filled from either of two 10000-gallon tanks by a pump activated by low and high level switches. If the high level switch fails to turn off the pump, overfill piping will direct the fuel back to the 10000-gallon tanks. The two 10000-gallon tanks are also equipped with solenoid valves which would prevent the release of the entire contents of these tanks into Building K6-1091 if the piping were to leak. Additionally, the building floor would provide containment for small piping leaks.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

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Spill Route Details: Any spills or leaks from the generator day tank would be contained in the steel secondary containment structure. A liquid detection sensor in the interstitial space would detect the fluid and turn off the transfer fill pump prior to emptying the contents of the 10000-gallon tanks. Leaks from piping would be captured on the floor and contained within the building. The most likely piping spill volume would be less than 10-gallons based on the size of the existing small diameter piping and inspection frequency.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-5**

Container Type: Tank

Container Capacity: 250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Tank overfill piping

Liquid detection probe in secondary containment

Construction Details: Single walled steel tank

Date Installed: 1999

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel containment structure

Secondary Containment Volume: >250 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The generator day tank is automatically filled from either of two 10000-gallon tanks by a pump activated by low and high level switches. If the high level switch fails to turn off the pump, overfill piping will direct the fuel back to the 10000-gallon tanks. The two 10000-gallon tanks are also equipped with solenoid valves which would prevent the release of the entire contents of these tanks into Building K6-1091 if the piping were to leak. Additionally, the building floor would provide containment for small piping leaks.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

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Spill Route Details: Any spills or leaks from the generator day tank would be contained in the steel secondary containment structure. A liquid detection sensor in the interstitial space would detect the fluid and turn off the transfer fill pump prior to emptying the contents of the 10000-gallon tanks. Leaks from piping would be captured on the floor and contained within the building. The most likely piping spill volume would be less than 10-gallons based on the size of the existing small diameter piping and inspection frequency.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-6**

Container Type: Tank

Container Capacity: 250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Liquid detection probe in secondary containment

Tank overfill piping

Construction Details: Single walled steel tank

Date Installed: 1999

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel containment structure

Secondary Containment Volume: >250 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The generator day tank is automatically filled from either of two 10000-gallon tanks by a pump activated by low and high level switches. If the high level switch fails to turn off the pump, overfill piping will direct the fuel back to the 10000-gallon tanks. The two 10000-gallon tanks are also equipped with solenoid valves which would prevent the release of the entire contents of these tanks into Building K6-1091 if the piping were to leak. Additionally, the building floor would provide containment for small piping leaks.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Spill Route Details: Any spills or leaks from the generator day tank would be contained in the steel secondary containment structure. A liquid detection sensor in the interstitial space would detect the fluid and turn off the transfer fill pump prior to emptying the contents of the 10000-gallon tanks. Leaks from piping would be captured on the floor and contained within the building. The most likely piping spill volume would be less than 10-gallons based on the size of the existing small diameter piping and inspection frequency.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-7**

Container Type: Tank

Container Capacity: 250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Tank overfill piping

Liquid detection probe in secondary containment

Construction Details: Single walled steel tank

Date Installed: 1999

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel containment structure

Secondary Containment Volume: >250 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The generator day tank is automatically filled from either of two 10000-gallon tanks by a pump activated by low and high level switches. If the high level switch fails to turn off the pump, overfill piping will direct the fuel back to the 10000-gallon tanks. The two 10000-gallon tanks are also equipped with solenoid valves which would prevent the release of the entire contents of these tanks into Building K6-1091 if the piping were to leak. Additionally, the building floor would provide containment for small piping leaks.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

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Spill Route Details: Any spills or leaks from the generator day tank would be contained in the steel secondary containment structure. A liquid detection sensor in the interstitial space would detect the fluid and turn off the transfer fill pump prior to emptying the contents of the 10000-gallon tanks. Leaks from piping would be captured on the floor and contained within the building. The most likely piping spill volume would be less than 10-gallons based on the size of the existing small diameter piping and inspection frequency.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-8**

Container Type: 55-Gallon Drum

Container Capacity: Up to 5 - 55 Gallons

Materials Stored: Oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Secondary containment tub

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Small amounts of oil and lubricants are transferred to and from generator equipment on an as needed basis. Drums that show signs of deterioration or defects are replaced as-needed.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Any spills or leaks from the drums or a spill during oil transfer operations would flow out onto the concrete floor of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-9**

Container Type: Transformer

Container Capacity: 579 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: Oct 2016

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This transformer is filled on an infrequent and as-needed basis by manually transferring dielectric fluid from 55 gallon drums into the transformer tank.

Secondary Containment Drainage Procedure: Stormwater that accumulates in the dry retention basin is allowed to evaporate or percolate into the ground.

Spill Route Details: A spill or leak from this transformer would flow through an underground 24 in. metal pipe equipped with a skimmer to contain the oil before discharging into a dry retention basin. Spilled oil would then be pumped from the pipe and/or the retention basin and be properly managed. The basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-10**

Container Type: Transformer

Container Capacity: 579 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: Oct 2016

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This transformer is filled on an infrequent and as-needed basis by manually transferring dielectric oil from 55 gallon drums into the transformer tank.

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Secondary Containment Drainage Procedure: Storm water that accumulates in the retention basin is allowed to evaporate or percolate into the ground.

Spill Route Details: A spill or leak from this transformer would flow through an underground 24 in. metal pipe equipped with a skimmer to contain the oil before discharging into a dry retention basin. Spilled oil would then be pumped from the pipe and/or the retention basin and be properly managed. The basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-11**

Container Type: Process Equipment

Container Capacity: 100 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel lube oil reservoir

Date Installed: 1999

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building serves as secondary containment

Secondary Containment Volume: >100 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: The oil reservoir is filled on an as-needed basis. The oil is also replaced on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the building is removed using absorbant materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak from the oil reservoir on the engine or a spill during oil transfer operations would flow out onto the concrete floor of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-12**

Container Type: Process Equipment

Container Capacity: 100 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel lube oil reservoir

Date Installed: 1999

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Kennedy Space Center Site-Specific SPCC Plan Data

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building serves as secondary containment

Secondary Containment Volume: >100 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is added on an as-needed basis. Lube oil is also replaced on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak from the oil reservoir on the engine or a spill during oil transfer operations would flow out onto the concrete floor of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-13**

Container Type: Process Equipment

Container Capacity: 100 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel lube oil reservoir

Date Installed: 1999

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building serves as secondary containment

Secondary Containment Volume: >100 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is added on an as-needed basis. Lube oil is also replaced on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak from the oil reservoir on the engine or a spill during oil transfer operations would flow out onto the concrete floor of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-14**

Container Type: Process Equipment

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Container Capacity: 100 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel lube oil reservoir

Date Installed: 1999

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building serves as secondary containment

Secondary Containment Volume: >100 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is added on an as-needed basis. Lube oil is also replaced on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak from the oil reservoir on the engine or a spill during oil transfer operations would flow out onto the concrete floor of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-15**

Container Type: Process Equipment

Container Capacity: 100 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel lube oil reservoir

Date Installed: 1999

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building serves as secondary containment

Secondary Containment Volume: >100 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is added on an as-needed basis. Lube oil is also replaced on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

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Spill Route Details: A leak from the oil reservoir on the engine or a spill during oil transfer operations would flow out onto the concrete floor of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-16**

Container Type: Transformer

Container Capacity: 115 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel transformer tank

Date Installed: Oct 2016

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This transformer is filled on an infrequent and as-needed basis by transferring oil from 55 gallon drums into the transformer tank.

Secondary Containment Drainage Procedure: Storm water that accumulates in the retention basin is allowed to evaporate or percolate into the ground.

Spill Route Details: A spill or leak from this transformer would flow through an underground 24 in. metal pipe equipped with a skimmer to contain the oil before discharging into a dry retention basin. Spilled oil would then be pumped from the pipe and/or the retention basin and be properly managed. The basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1091-17**

Container Type: Transformer

Container Capacity: 206 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel transformer tank

Date Installed: Oct 2016

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

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Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This transformer is filled on an infrequent and as-needed basis by transferring oil from 55 gallon drums into the transformer tank.

Secondary Containment Drainage Procedure: Stormwater that accumulates in the dry retention basin is allowed to evaporate or percolate into the ground.

Spill Route Details: A spill or leak from this transformer would flow through an underground 24 in. metal pipe equipped with a skimmer to contain the oil before discharging into a dry retention basin. Spilled oil would then be pumped from the pipe and/or the retention basin and be properly managed. The basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks storing oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.

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Kennedy Space Center Site-Specific SPCC Plan Data

4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit

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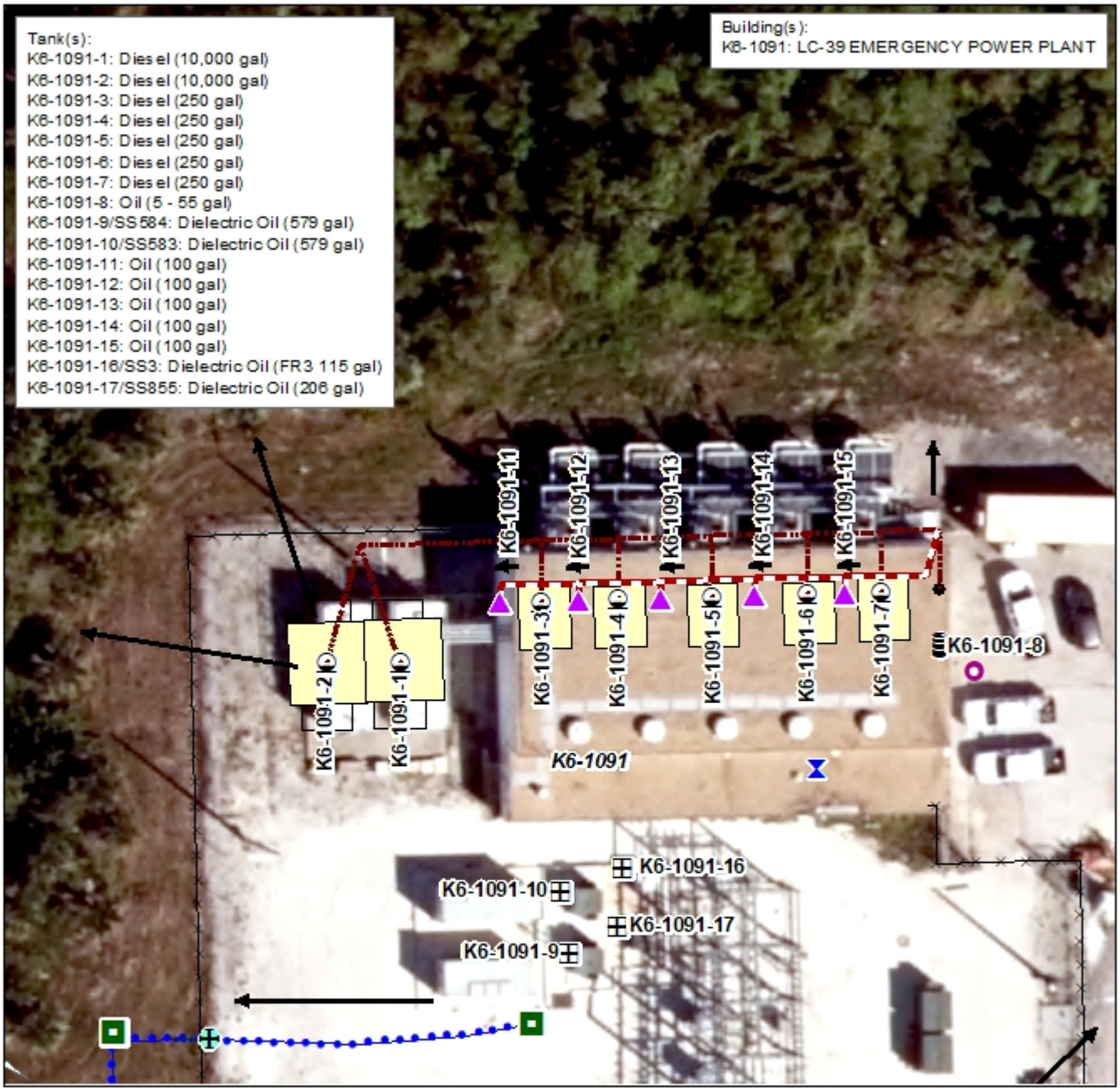
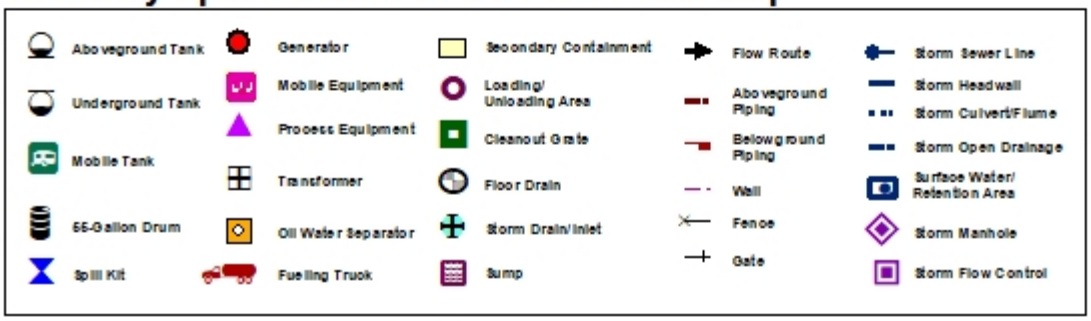
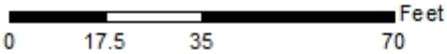


Kennedy Space Center SPCC Plan Detail Map





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May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1141

Description: Oil storage associated with the C-5 electrical substation primarily includes oil-filled transformers and circuit breakers.

Building/Site Name: C-5 POWER SUBSTATION

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1141-1**

Container Type: Transformer (T-8)

Container Capacity: 4430 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: High temperature alarms

Low oil level alarms

Nitrogen pressure alarms

Construction Details: 3 single walled steel tanks (3840, 310, and 280 gal. respectively)

Date Installed: Oct-08

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: 24 in. BCCMP discharging to a dry retention basin

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: These tanks are filled on an as-needed and infrequent basis by manually transferring dielectric oil from 55 gallon drums into the transformer tanks.

Secondary Containment Drainage Procedure: Stormwater accumulates in the 8,700 gal. bituminous-coated corrugated metal pipe (BCCMP). This containment overflows to the 36,000 gal. dry retention basin where it is allowed to evaporate or percolate into the ground.

Spill Route Details: A leak from the transformer would light an alarm in the Launch Control Center which is manned 24 hours/day. Spilled oil would enter the nearby storm drain and would be routed to a buried 24 in. bituminus coated corrugated metal pipe (BCCMP) equipped with a skimmer to contain the oil before discharging into a dry retention basin. Spilled oil would then be pumped from the pipe and/or retention basin and be properly managed. The dry retention basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Container: **K6-1141-6**

Container Type: Transformer (T-9)

Container Capacity: 5160 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: High temperature alarms

Low oil level alarms

Nitrogen pressure alarms

Construction Details: 2 single walled steel tanks (4800 gal and 360 gal)

Date Installed: 1995

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: 24 in. BCCMP discharging to a dry retention basin

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: These transformer tanks are filled on an infrequent and as-needed basis by manually transferring dielectric oil from 55 gallon drums into the transformer tank.

Secondary Containment Drainage Procedure: Stormwater accumulates in the 8,700 gal. bituminous-coated corrugated metal pipe (BCCMP). This containment overflows to the 36,000 gal. dry retention basin where it is allowed to evaporate or percolate into the ground.

Spill Route Details: A leak from the transformer would light an alarm in the Launch Control Center which is manned 24 hours/day. Spilled oil would enter the nearby storm drain and would be routed to a buried 24 in. bituminus coated corrugated metal pipe (BCCMP) equipped with a skimmer to contain the oil before discharging into a dry retention basin. Spilled oil would then be pumped from the pipe and/or retention basin and be properly managed. The dry retention basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1141-7**

Container Type: Transformer (T-10)

Container Capacity: 5160 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: High temperature alarms

Low oil level alarms

Nitrogen pressure alarms

Construction Details: 2 single walled steel tanks (4800 gal and 360 gal)

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Kennedy Space Center Site-Specific SPCC Plan Data

Date Installed: 1995

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: 24 in. BCCMP discharging to a dry retention basin

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: These tanks are filled on an infrequent and as-needed basis by manually transferring dielectric oil from 55 gallon drums into the transformer tanks.

Secondary Containment Drainage Procedure: Stormwater accumulates in the 8,700 gal. bituminous-coated corrugated metal pipe (BCCMP). This containment overflows to the 36,000 gal. dry retention basin where it is allowed to evaporate or percolate into the ground.

Spill Route Details: A leak from the transformer would light an alarm in the Launch Control Center which is manned 24 hours/day. Spilled oil would enter the nearby storm drain and would be routed to a buried 24 in. bituminus coated corrugated metal pipe (BCCMP) equipped with a skimmer to contain the oil before discharging into a dry retention basin. Spilled oil would then be pumped from the pipe and/or retention basin and be properly managed. The dry retention basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1141-13**

Container Type: Transformer (SS-2)

Container Capacity: 89 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 1997

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This transformer is filled on an infrequent and as-needed basis by transferring dielectric oil from 55 gallon drums into the transformer tank.

Secondary Containment Drainage Procedure: Stormwater that accumulates in the dry retention basin is allowed to evaporate or percolate into the ground.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from this transformer would flow out onto the gravel surface and infiltrate the ground and or travel west to a storm sewer inlet which is routed to a grass-lined retention pond that does not discharge under normal conditions. The dry retention basin is equipped with a skimmer controil structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1141-14**

Container Type: Transformer (SS-4, SS-5)

Container Capacity: Up to 2 - 113 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank (2 x 113 gals.)

Date Installed: 1996

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This transformer is filled on an infrequent and as-needed basis by transferrring oil from 55 gallon drums into the transformer tank.

Secondary Containment Drainage Procedure: Stormwater that accumulates in the dry retention basin is allowed to evaporate or percolate into the ground.

Spill Route Details: A spill or leak from this transformer would flow out onto the gravel surface and infiltrate the ground and or travel west to a storm sewer inlet which is routed to a grass-lined retention pond that does not discharge under normal conditions. The dry retention basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1141-16**

Container Type: Transformer (SS-1)

Container Capacity: 136 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel transformer tank

Date Installed: 01/1997

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Kennedy Space Center Site-Specific SPCC Plan Data

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: 36000 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This transformer is filled on an infrequent and as-needed basis by manually transferring dielectric fluid from 55 gallon drums into the transformer tank.

Secondary Containment Drainage Procedure: Stormwater that accumulates in the dry retention basin is allowed to evaporate or percolate into the ground.

Spill Route Details: A spill or leak from this transformer would flow out onto the gravel surface and infiltrate the ground and or travel west to a storm sewer inlet which is routed to a grass-lined retention pond that does not discharge under normal conditions. The dry retention basin is equipped with a skimmer control structure that overflows to grade west of the retention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Test the nitrogen, temperature, and oil level alarms as part of quarterly inspections.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. None provided

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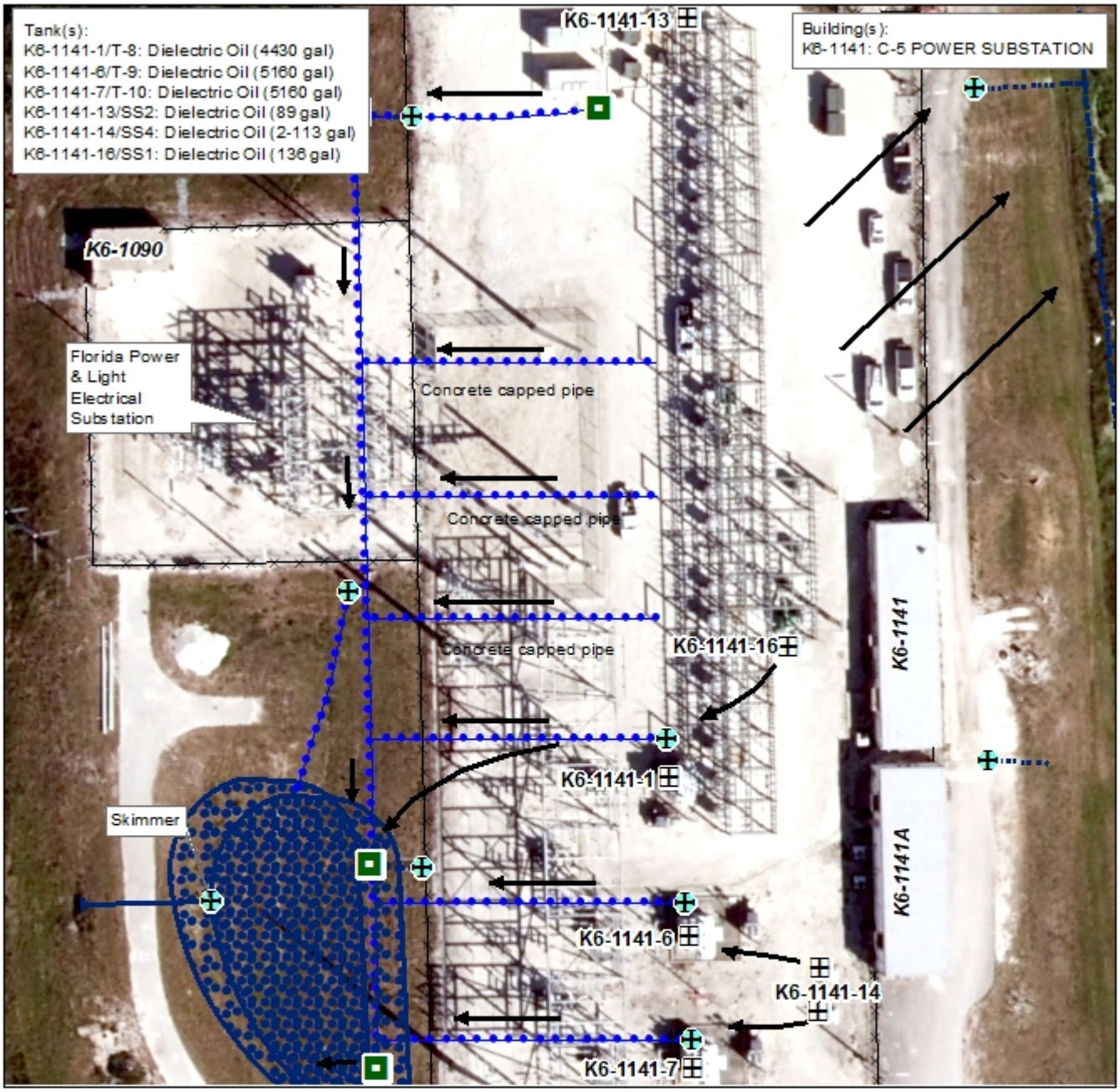
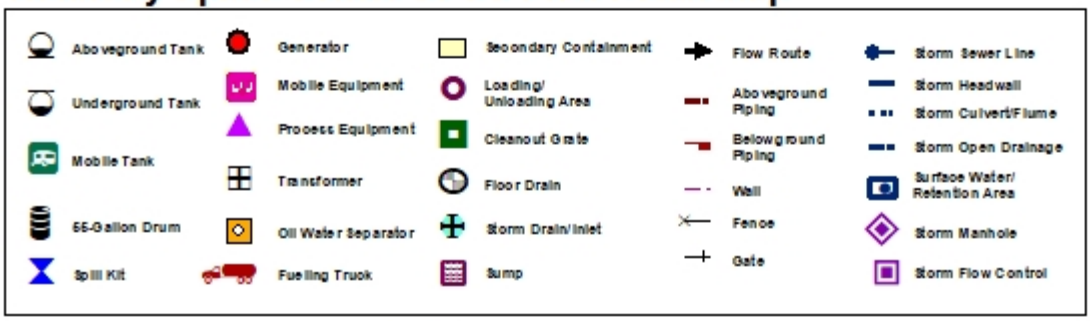
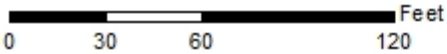
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #30
May 24, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1246

Description: This facility houses HVAC, water, structure, assembly and repair, and carpentry shops. New and used oil is stored in an interior POL storage area.

Building/Site Name: UTILITY SHOPS FACILITY

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1246-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 3 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: 2013

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Closed containment sump within building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to and from this facility in 55-gallon drums. Up to 3 drums are located at this facility.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in the floor of the secondary containment sump is inspected for oil odor or sheen.

Spill Route Details: Any spill of this material or spills during oil transfer activities would accumulate within the secondary containment.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all drums storing new and used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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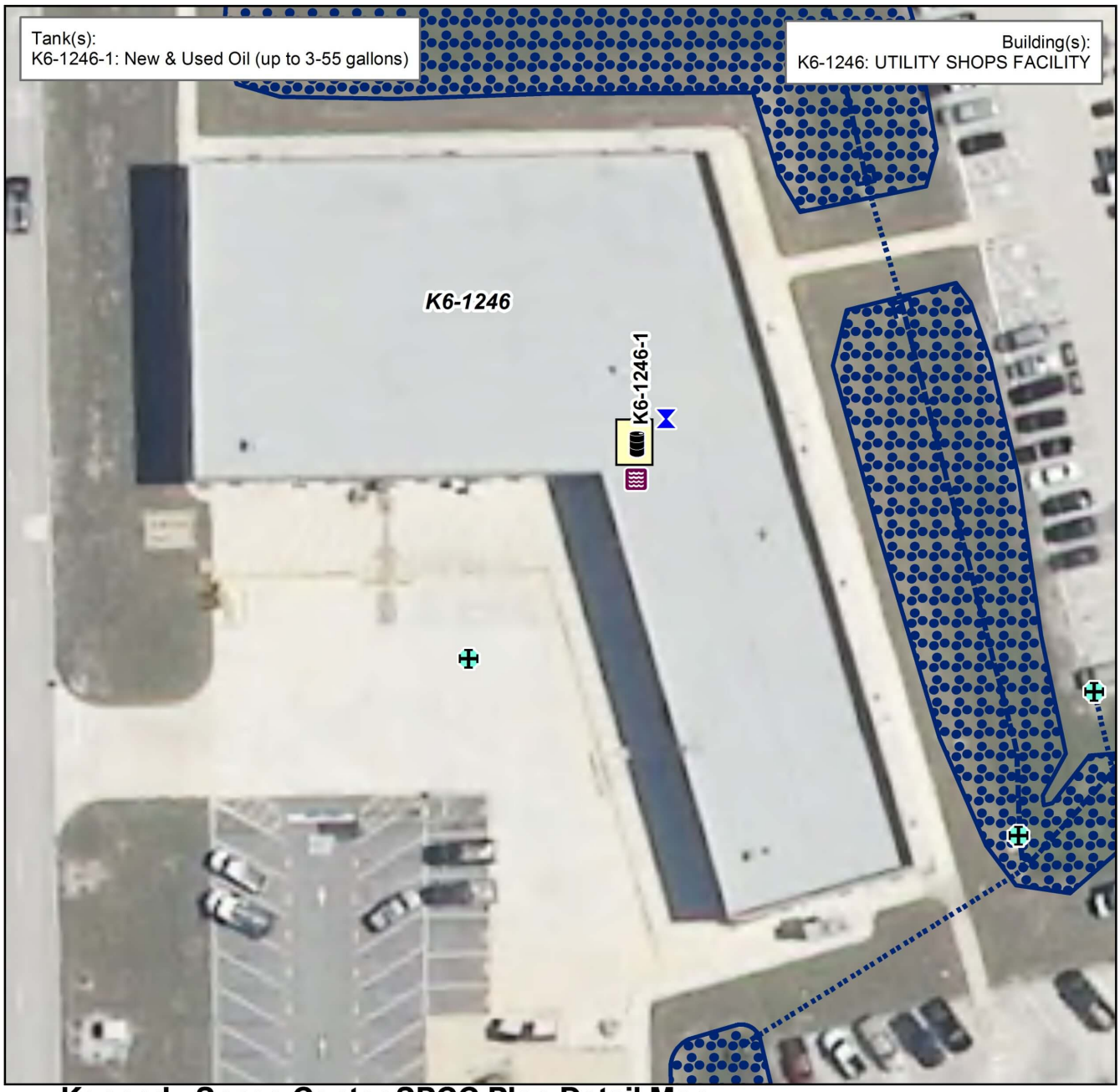
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #39
Dec 14, 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1247

Description: Oil storage within this building includes oil-filled process equipment tanks associated with metal machining equipment. In addition, an aboveground compressor condensate storage tank is located on the north side of the facility.

Building/Site Name: LAUNCH EQUIPMENT SHOP

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1247-3**

Container Type: Aboveground Tank

Container Capacity: 550 Gallons

Materials Stored: Compressor condensate

Fail Safe Features: Visual Level indication (manually stick tank)

Call for pump out at 75% full

Construction Details: Double walled polyethylene tank

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >550 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled stainless steel and flex hose

Oil Fill and Transfer Details: Compressor blowdown water generated in building K6-1247 is directed into this polyethylene tank. This tank is pumped out on an as-needed basis.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the tank would be contained within the interstitial space. A leak from the interstice or the slow rate small-diameter, single-walled piping would infiltrate the ground surface. A spill occurring during tank pumping operations would flow out onto the unpaved ground surface and travel east toward a stormwater ditch. The 24 hour spill response team would be adequate to address any release of the compressor condensate before it could reach navigable waters.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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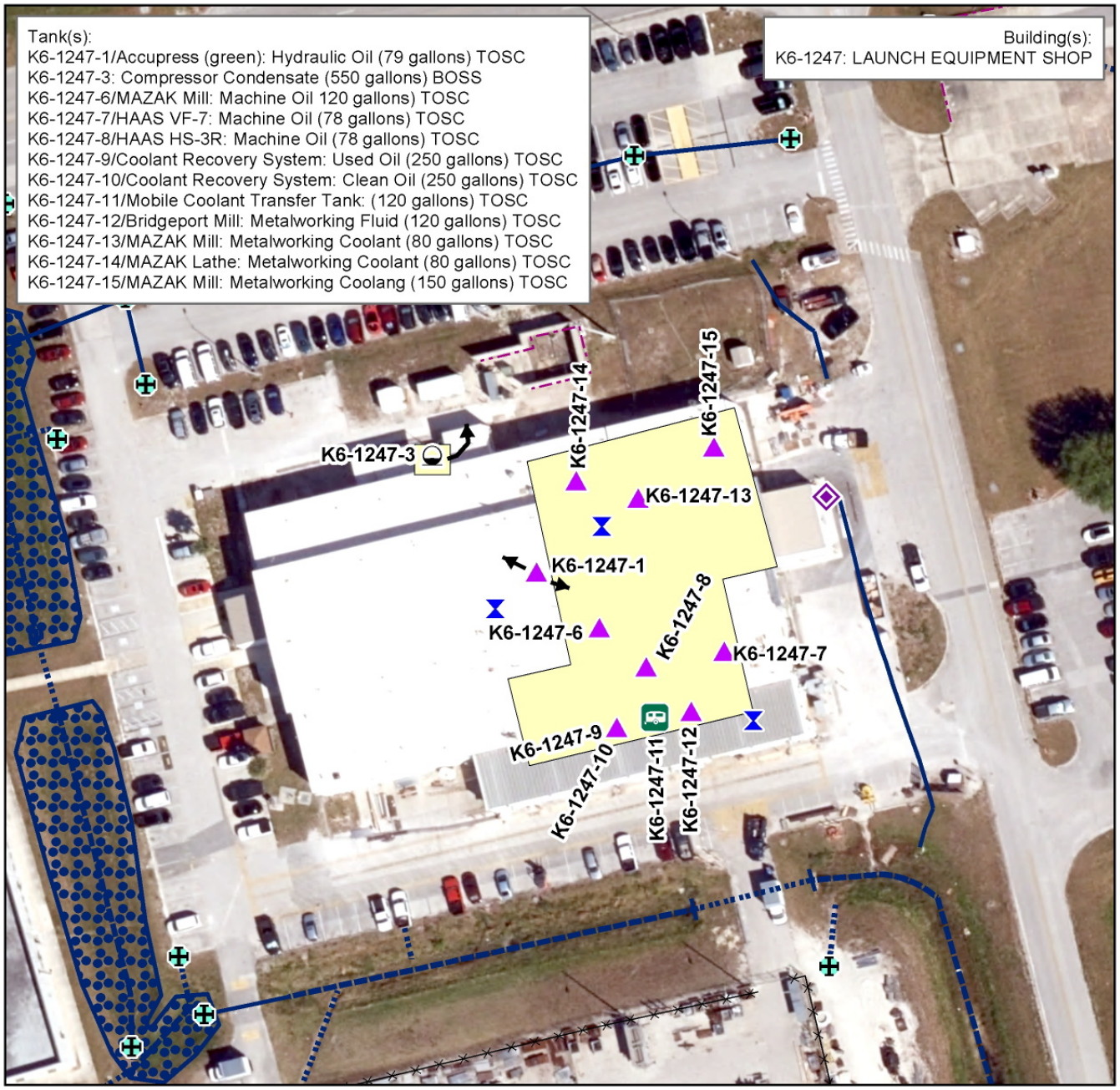
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #31
Jun 5, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1446F

Description: Oil storage at this facility includes oil-filled electrical transformers and other equipment staged for future use.

Building/Site Name: GENERATOR STORAGE SHED

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1446F-1**

Container Type: Transformer

Container Capacity: Up to 20 - 55-1000 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel transformer tank

Date Installed: N/A

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor in buiilding

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: No transfer of dielectric oil takes place in this location. Transformers are stored here full of oil until used at various KSC locations.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A leak from a transformer would flow onto the concrete floor, flow west to the asphalt parking lot then travel east where it would be diverted south to a dry ditch.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Place spill containment devices between the spill and the nearest storm drainage channel.
4. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
5. Notify Supervisor and Facility Manager.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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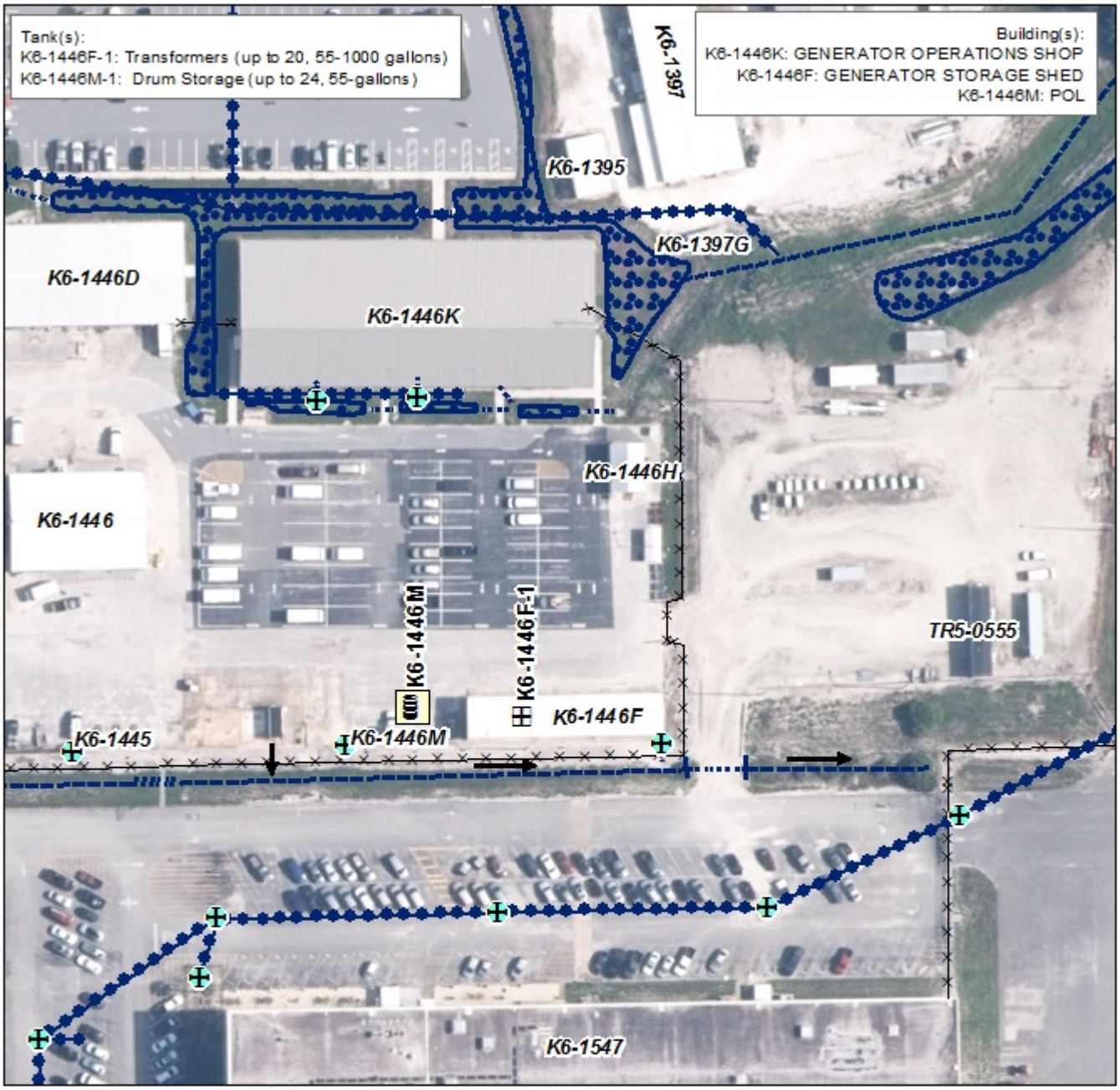
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

Feet
0 50 100 200

MAP #09
Dec 6, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1446M

Description: Oil storage at this facility includes dielectric, mineral and other oils used by the High Voltage Shop.

Building/Site Name: PETROLEUM, OIL & LUBRICANT (POL) STORAGE BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1446M-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 24 - 55 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: Spill response capability

Construction Details: Steel or plastic drum

Date Installed:

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New and used oil is transferred to and from this facility in 55-gallon drums. Up to 24 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from a drum would be contained in the secondary containment of the facility.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all drums storing new and used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Place spill containment devices between the spill and the nearest storm drainage channel.
4. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
5. Notify Supervisor and Facility Manager.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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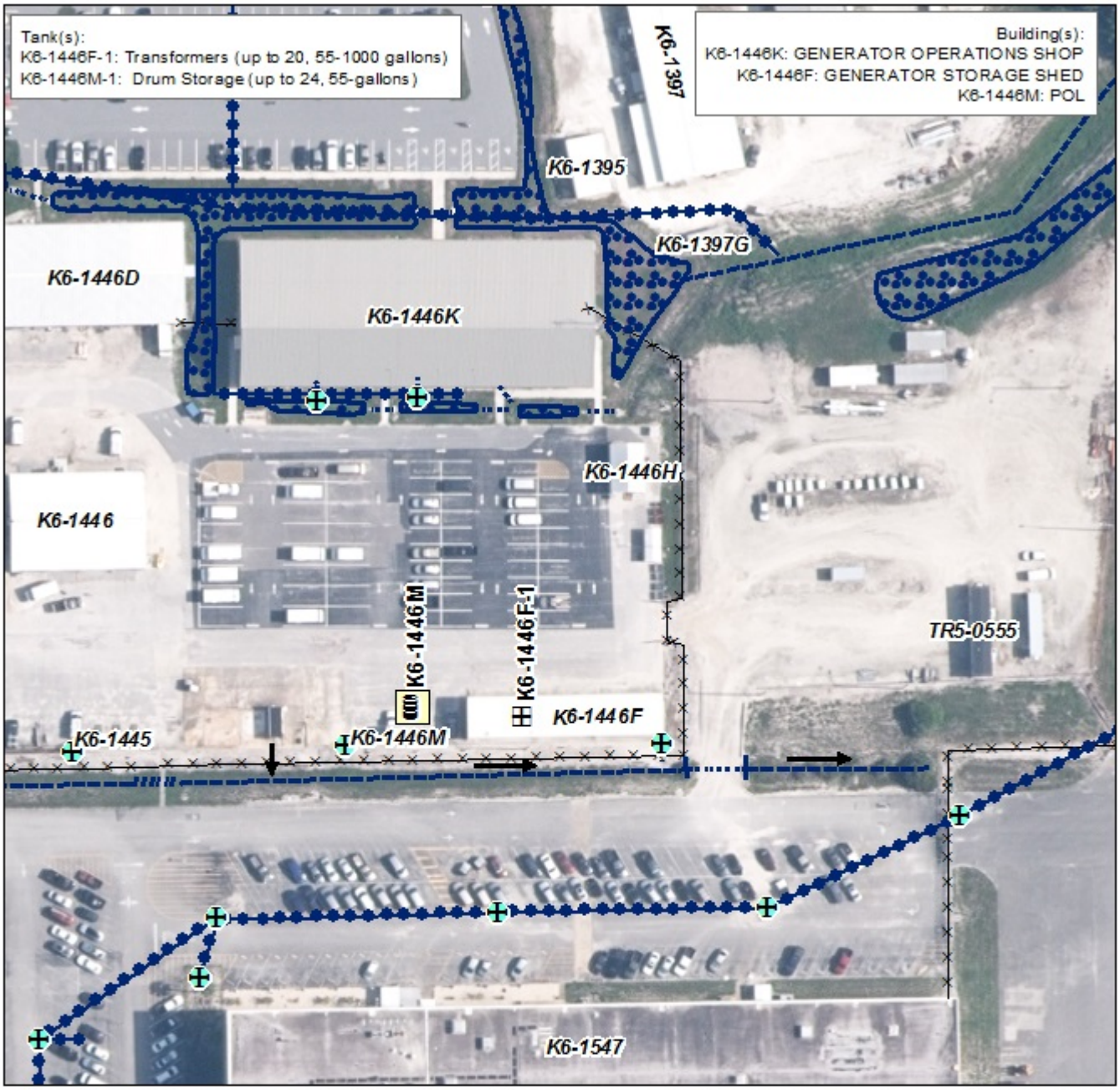
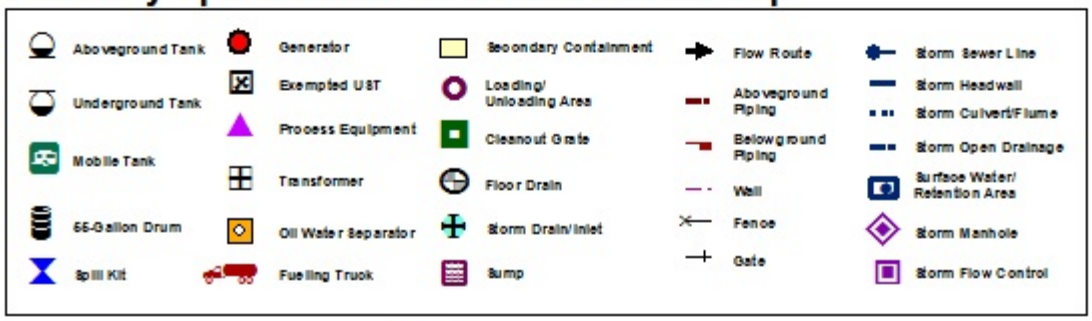
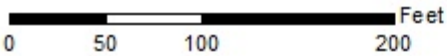
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #09
Dec 6, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1547

Description: Oil storage associated with this facility includes hydraulic oil within elevator equipment, and new oil stored in 55-gallon drums.

Building/Site Name: LOGISTICS

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1547-1**

Container Type: Elevator

Container Capacity: 75 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >75 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: Not applicable for hydraulic reservior. Reservoir is secondarily contained.

Spill Route Details: A small leak from the hydraulic oil reservoir would be contained by the secondary containment.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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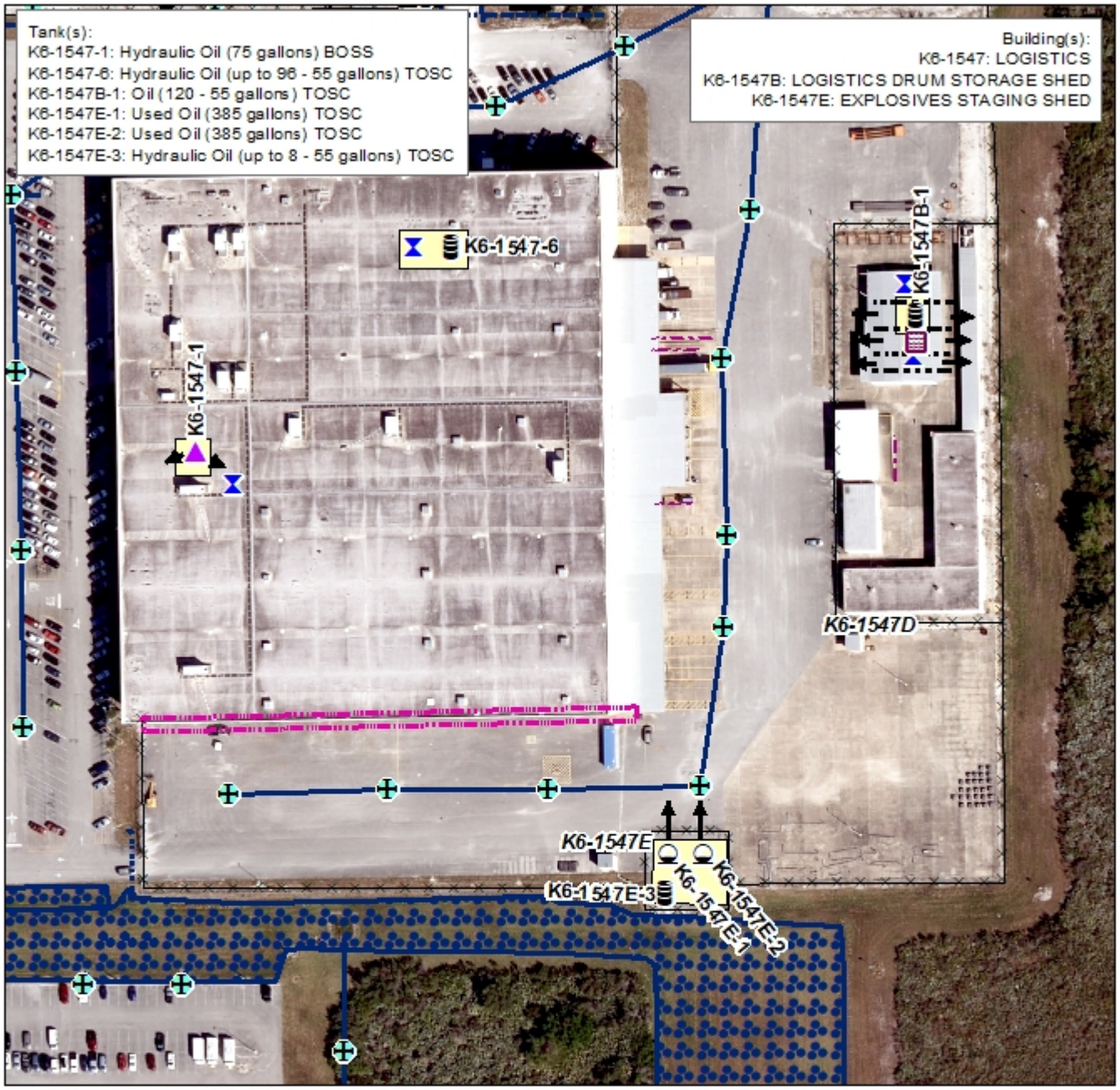
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 75 150 300 Feet

MAP #27
Nov 26, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1847

Description: Oil storage associated with this facility includes lube oil in 55-gallon drums, portable emergency generators, and mobile tanks containing diesel fuel. The primary function of this facility is to repair, store, and service portable generators. The generators in Section 2.0 are those which are normally stored at this facility when not in use. A complete up-to-date generator and mobile tank inventory is maintained inside Building K6-1847A.

Building/Site Name: GENERATOR MAINTENANCE SHOP

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1847-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 4 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment tub

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New oil is transferred to this facility in 55-gallon drums. Generator shop personnel use small amounts of oil from these drums during normal operations. Used oil is transferred to 55-gallon drums in small amounts during routine operations. Up to 4 drums may be stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum would flow out onto the floor surface and be contained within the building or flow out the garage doors. There are no floor drains in the vicinity.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1847-3**

Container Type: Mobile Tank

Container Capacity: Up to 35 - 55-400 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: High level visual alarm

Graduated dipstick

Direct vision gauge

Construction Details: Single walled and double walled tanks

Date Installed: N/A

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tanks

Secondary Containment Volume: >tank capacity Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Up to 35 mobile emergency generators with diesel fuel tanks ranging in volume from 55 to 400 gallons are parked at this facility. These tanks are filled on an as-needed basis by the KSC fuels contractor. A current inventory of generators at this facility is provided in Building K6-1847A.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

Spill Route Details: A spill or leak from a tank or a spill occurring during loading/unloading operations would flow out onto the paved surface and travel northeast towards a drainage ditch located in the vicinity. A spill from a double-walled tank will be contained within the secondary tank.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-1847-7**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type: Mobile Tank

Container Capacity: Up to 11 - 400-500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision level gauge on each tank

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tanks

Secondary Containment Volume: > tank capacity Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: These tanks are filled on an as-needed basis by the KSC fuels contractor. A current inventory of generators and tanks at this facility is provided in Building K6-1847A.

Secondary Containment Drainage Procedure: Rupture basins are checked monthly on double walled tanks. Single walled tanks are visually inspected.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: Leakages or spills from tank filling operations would flow south onto a concrete lot towards a stormwater ditch. This ditch discharges to a wetlands area that discarges to the Banana River via the Turn Basin.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-1847-8**

Container Type: Mobile Tank

Container Capacity: Up to 2 - 1000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Spill bucket

Interstitial monitor

Direct vision gauge

Construction Details: Double walled steel tanks

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Kennedy Space Center Site-Specific SPCC Plan Data

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1000 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is refilled on an as needed basis by the KSC fuels contractor while being used at various field locations.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Leakages or spills from tank filling operations would flow south onto a concrete lot towards a stormwater ditch. This ditch discharges to a wetlands area that discharges to the Banana River via Turn Basin.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K6-1847-10**

Container Type: Mobile Tank

Container Capacity: Up to 3 - 600-800 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision level gauge on each tank

Construction Details: Double walled steel tanks

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tanks

Secondary Containment Volume: >Tank Capacity Gallons

Piping Type: Aboveground

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Kennedy Space Center Site-Specific SPCC Plan Data

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Tanks are filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A spill or leak from a tank or a spill occurring during loading/unloading operations would flow out onto the paved surface and travel northeast towards a drainage ditch located in the vicinity. A spill from a double-walled tank will be contained within the secondary tank.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.

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Kennedy Space Center Site-Specific SPCC Plan Data

4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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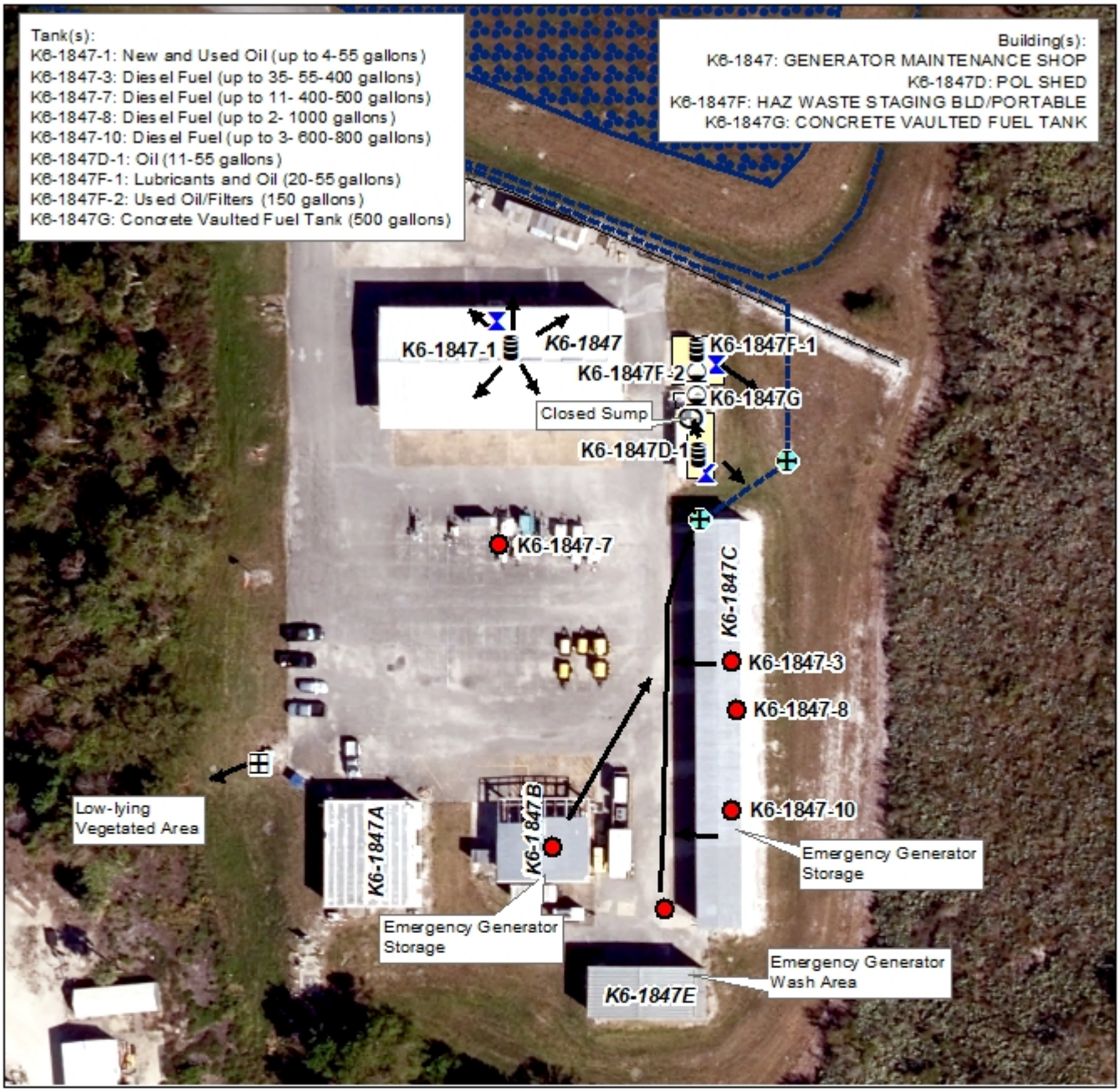
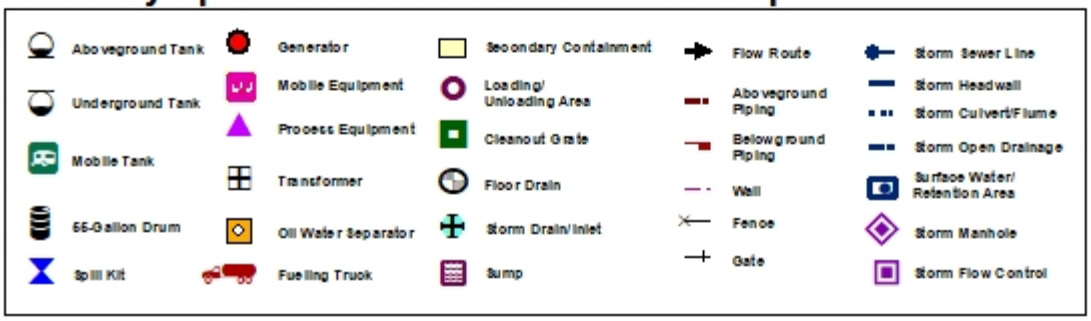
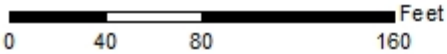
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #23
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1847D

Description: Oil storage associated with this facility includes miscellaneous new oils.

Building/Site Name: POL SHED

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1847D-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 11 - 55 Gallons

Materials Stored: Oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Covered concrete secondary containment dike with closed sump

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New oils are transferred to this facility in 55-gallon drums. Up to 11 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment dike is routed to the sump for inspection.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum in this building would flow out onto the concrete floor surface and into a closed sump, and it would be contained within the secondary containment dike. The valve on the sump will always remain closed unless storm water is being released. Overflows would travel southeast to a nearby storm drain.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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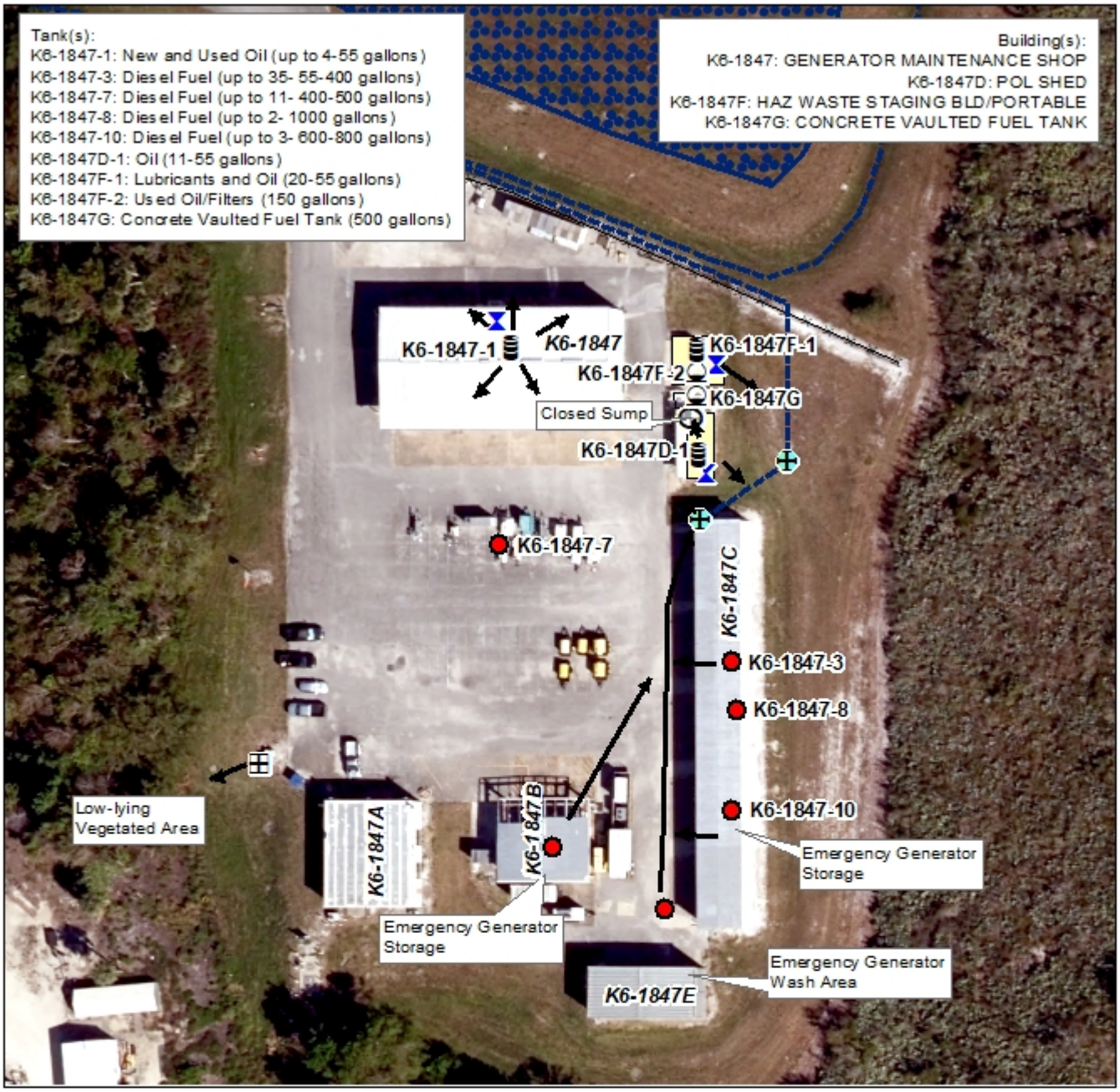
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

Feet
0 40 80 160

MAP #23
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1847F

Description: Oil storage in this facility includes used oil and used fuel stored in 55-gallon drums.

Building/Site Name: HAZ WASTE STAGING BLD/PORTABLE

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1847F-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: Lubricants and oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Lubricants, used fuel, and used oil is transferred to and from this facility in 55-gallon drums. Up to 20 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A spill or leak from a drum would be contained within the building. Overflows would exit the building and travel east towards a stormwater ditch located in the vicinity. This ditch discharges to Turn Basin which is part of the Banana River.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Container:	**K6-1847F-2**
Container Type:	Tank
Container Capacity:	150 Gallons
Materials Stored:	Used oil
Fail Safe Features:	Visual Level indication
Construction Details:	Single walled steel tank
Date Installed:	N/A
Integrity Test Method:	Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan. Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Portable secondary containment building
Secondary Containment Volume:	>150 Gallons
Piping Type:	N/A
Corrosion Protection:	N/A
Piping Details:	N/A
Oil Fill and Transfer Details:	Used oil filters are placed within the tank to drain residual used oil.
Secondary Containment Drainage Procedure:	If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations. Any liquid accumulated in the floor of the secondary containment sump is inspected for oil odor or sheen. If deemed to be free of oil, accumulated liquid is discharged to the ground surface.
Spill Route Details:	Overflows and leaks would accumulate in the secondary containment sump.
Maximum Refueling/Vacuum Truck Capacity:	N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all drums storing used oil and used fuel.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.

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Kennedy Space Center Site-Specific SPCC Plan Data

2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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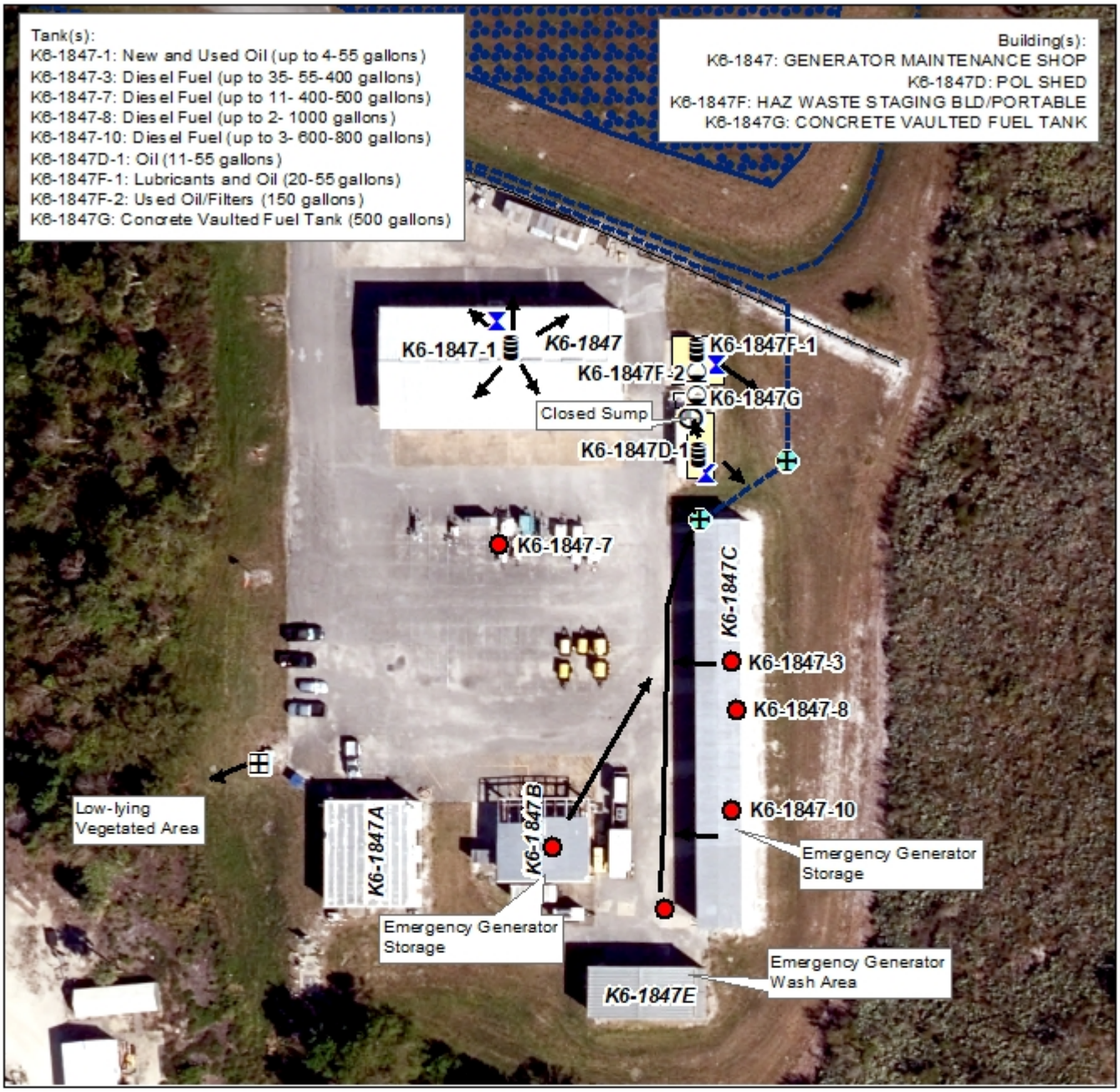
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 40 80 160 Feet

MAP #23
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1847G

Description: Oil storage at this facility consists of a two-compartment concrete-vaulted fuel tank. This vaulted tank contains a 400-gallon diesel tank and a 100-gallon diesel tank used to refuel portable generators and other equipment.

Building/Site Name: Generator Shop Concrete-Vaulted Fuel Tank

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1847G-2**

Container Type: Aboveground Tank

Container Capacity: 500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision clock gauge

Interstitial monitor

Construction Details: 2 compartment concrete vaulted tank (one 100-gallon compartment and one 400-gallon compartment)

Date Installed: 09/01/2017

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Annual walk around inspections are conducted in accordance with Section 4.3, utilizing criteria from Table 4.4 of the SPCC Plan.

Secondary Containment Details: Double walled tanks

Secondary Containment Volume: >500 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: Overflows or releases during a transfer would travel east towards a stormwater ditch located in the vicinity. This ditch discharges to the Turn Basin which is part of the Banana River.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all stationary tanks storing fuel in accoirdance with Section 4.0 of the SPCC Plan.
4. Tank fueling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.
3. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
3. Notify Supervisor and Facility Manager.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit
2. Small spill kit

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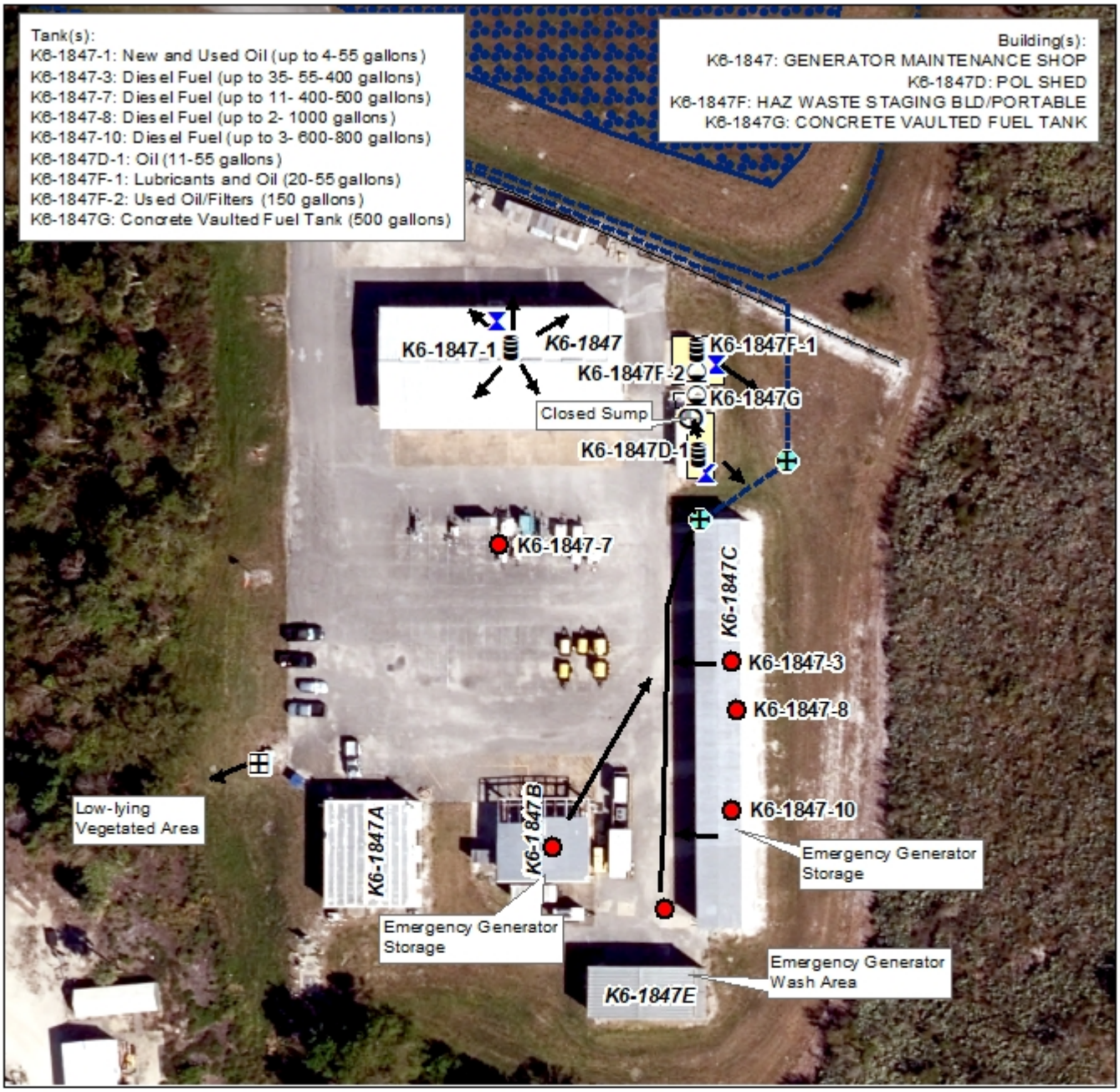
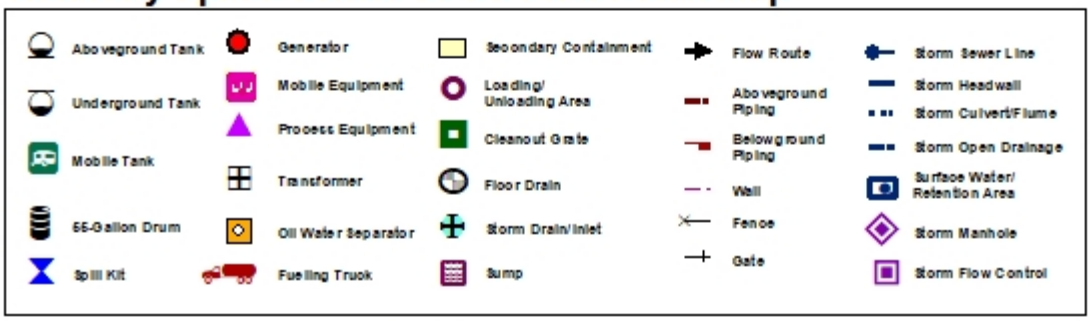
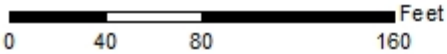
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #23
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K7-0570

Description: Oil storage at this facility consists of hydraulic fluid, new and used oil stored in 55-gallon drums.

Building/Site Name: ELEVATOR SHOP POL

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K7-0570-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 12 - 55 Gallons

Materials Stored: Hydraulic oil, lube oil and used oil

Fail Safe Features: None provided

Construction Details: Steel or plastic drum

Date Installed: 2013

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Hydraulic fluid, new oil and used oil are transferred to and from this facility in 55-gallon drums. Up to 12 drums are stored in the facility at a time.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment pallet is inspected for oil odor or sheen.

Spill Route Details: A leak from a drum would be contained within the secondary containment. A leak during oil transfer activities or an overflow from a drum outside of the building would flow to the gravel parking area or to grassy areas to the south and east.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Each oil storage container is provided with secondary containment.
5. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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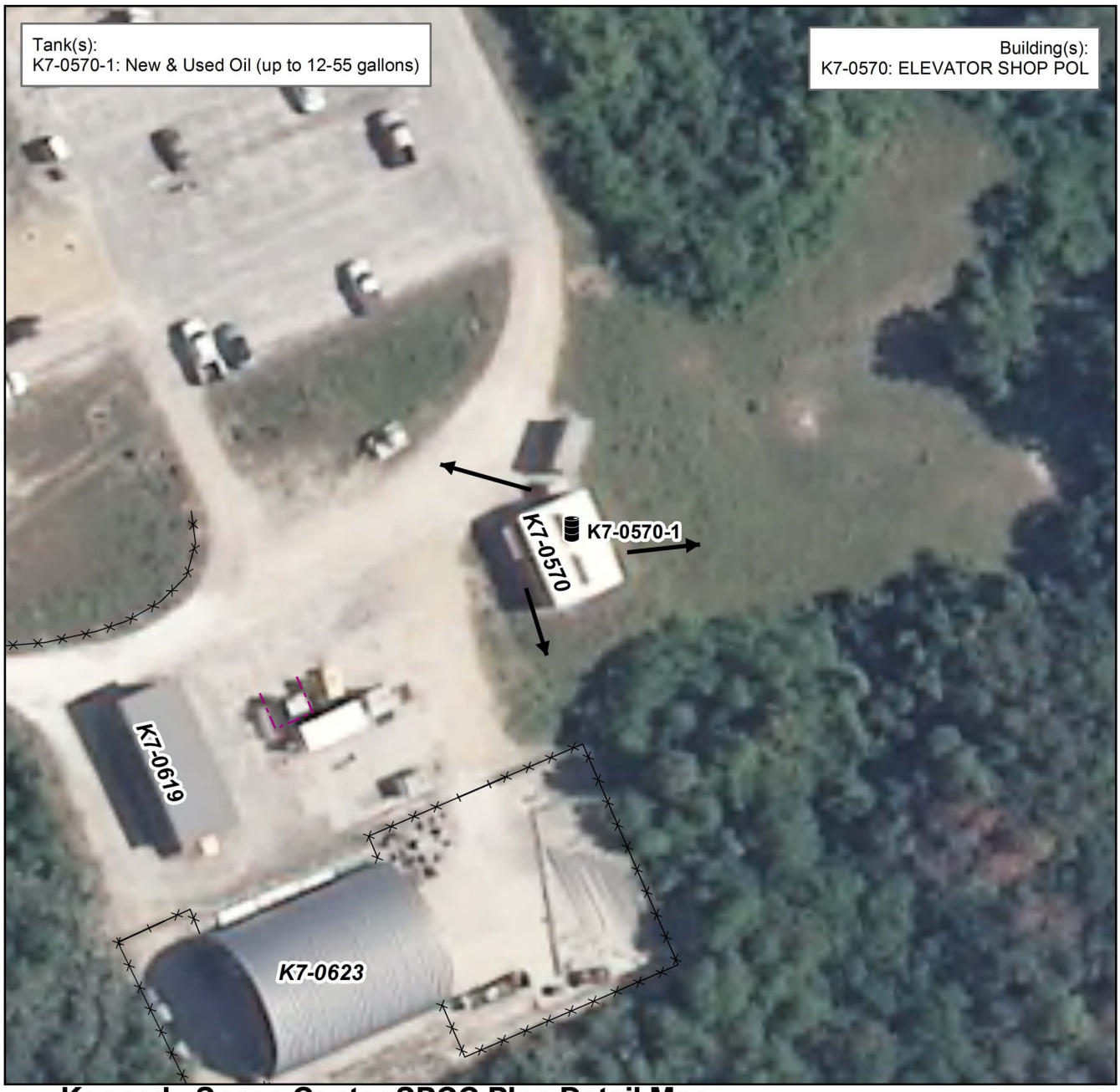
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

Feet
0 25 50 100

MAP #731
Dec 15, 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K7-1203

Description: Oil storage at this facility consists of a concrete-vaulted diesel fuel tank and two steel day tanks that supply fuel to two emergency generators used to supply primary power to the KSC Press Site.

Building/Site Name: PRESS SITE GENERATOR BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **K7-1203-1**

Container Type: Tank

Container Capacity: 2000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Interstitial monitor

Overfill protection

Visual Level indication

Anti-siphon valve

Atmospheric vent

Emergency vent

Construction Details: Steel tank encased in concrete vault

Date Installed: Feb-05

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete vaulted tank

Secondary Containment Volume: >2000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is refilled by the KSC fuel contractor on an as-needed basis.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: Spills from the tank would be contained within the tank interstitial space. The tank has an anti-siphon valve on the piping so that the most likely release from the single-walled piping would be less than 10 gallons. A discharge from the tank, piping or during fuel trnasfer operations would pool on the asphalt, concrete pad, and/or the soil around the tank. A larger discharge may travel down a nearby stormwater flume but would pond at the bottom in a grassy area adjacent to a drainage ditch leading to the Turn Basin. A spill in this area would be cleaned up by the 24 hour spill response team before the discharge could reach navigable water. A generator, day tank containment, or piping leak inside the building would spill onto the concrete floor and if sufficiently large, would flow south out of the building into a grassy area adjacent to the drainage ditch where it could be cleaned up by the 24 hour spill response team.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K7-1203-4**

Container Type: Aboveground Tank

Container Capacity: 100 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: High level visual alarm

Interstitial monitor

Construction Details: Double walled steel daytank

Date Installed: 10/30/2020

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 110 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel, iron, and poly flex lines

Oil Fill and Transfer Details: The generator day tank is automatically filled from the 2000-gallon tank by a pump activated by low- and high-level switches. If the high-level switch fails to turn off the pump, overfill piping will direct the fuel back to the 2000-gallon tank. The 2000-gallon tank is also equipped with an anti-siphon valve which would prevent the release of the entire contents of these tanks into Building K7-1203 if the piping were to leak.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Any spills or leaks from the generator day tank would be contained in the interstice. Any spills or leaks escaping the interstice would flow out of the building south into a grassy area adjacent to a drainage ditch that flows into the Turn Basin. The most likely spill from the piping would be a minor weep at connection points which will be contained inside of the building or near the 2,000-gallon tank and would be observed during monthly inspections.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K7-1203-5**

Container Type: Aboveground Tank

Container Capacity: 100 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: High level visual alarm

Interstitial monitor

Construction Details: Double walled steel daytank

Date Installed: 10/30/2020

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 110 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel, iron, and poly flex lines

Oil Fill and Transfer Details: The generator day tank is automatically filled from the 2000-gallon tank by a pump activated by low- and high-level switches. If the high-level switch fails to turn off the pump, overfill piping will direct the fuel back to the 2000-gallon tank. The 2000-gallon tank is also equipped with an anti-siphon valve which would prevent the release of the entire contents of these tanks into Building K7-1203 if the piping were to leak.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Any spills or leaks from the generator day tank would be contained in the interstice. Any spills or leaks escaping the interstice would flow out of the building south into a grassy area adjacent to a drainage ditch that flows into the Turn Basin. The most likely spill from the piping would be a minor weep at connection points which will be contained inside of the building or near the 2,000-gallon tank and would be observed during monthly inspections.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks storing oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Mobile spill kit

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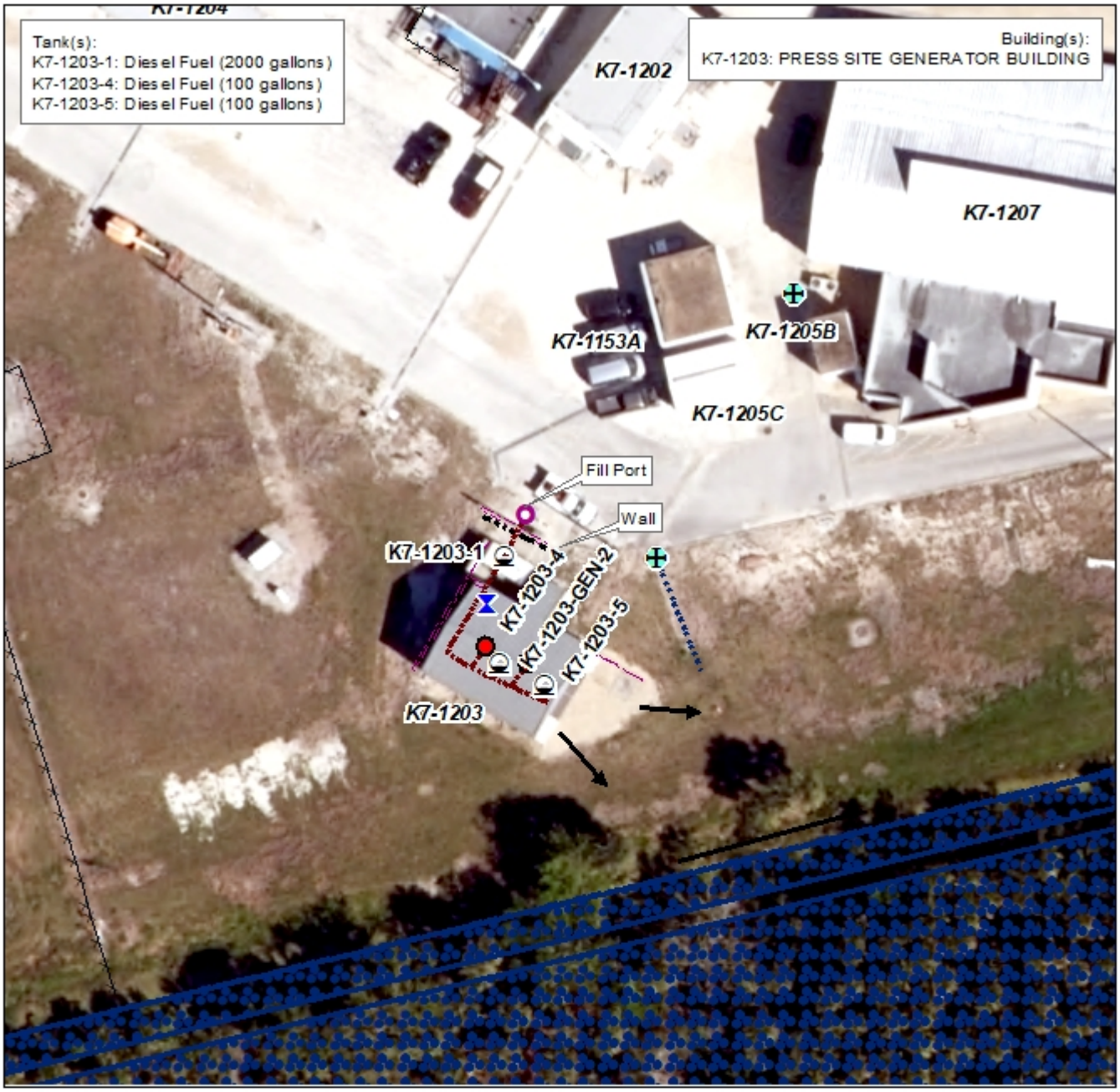
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #01
Dec 3, 2020

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L6-0146

Description: Oil storage associated with this building includes hydraulic oil associated with a building elevator.

Building/Site Name: ENGINEERING AND ADMIN BLDG.

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **L6-0146-2**

Container Type: Elevator

Container Capacity: 150 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Double walled steel tank

Date Installed: 08/26/2014

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >150 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir would be contained by the secondary containment. There are no floor drains in the immediate vicinity. A piston leak would flow into the elevator pit. The elevator pit contains no floor drains or sumps.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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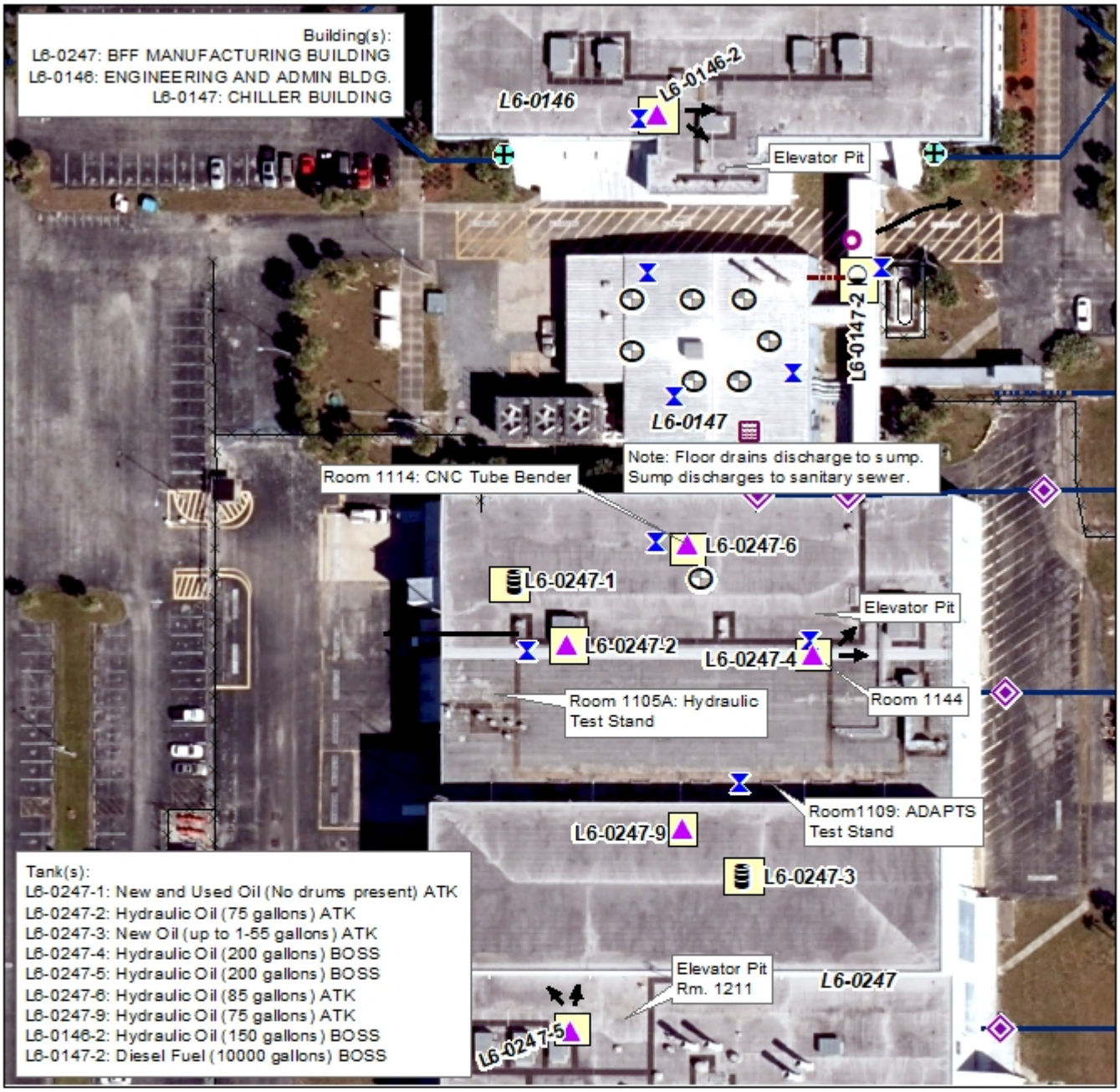
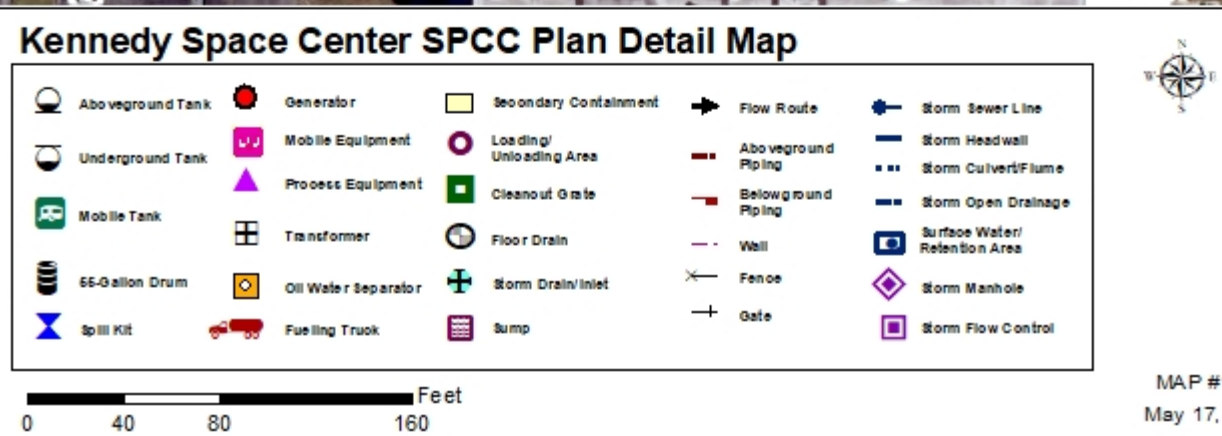
Kennedy Space Center Site-Specific SPCC Plan Data





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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L6-0147

Description: Oil storage associated with this building includes diesel fuel stored in above ground storage tanks.

Building/Site Name: CHILLER BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **L6-0147-2**

Container Type: Tank

Container Capacity: 10000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Interstitial monitor

High level alarm

Spill bucket

Construction Details: Concrete vaulted tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >10000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled approximately once per year by the KSC fuels contractor. Fuel trucks park on the north side of the tank during fueling activities.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. A small leak at the fill connection point would be contained within the fill box. A leak in the piping, a spill or leak occurring during tank loading operations, or a leak due to failure of the secondary tank wall would flow out onto the ground surface and travel east towards a grass swale in parking lot.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Containers are kept closed except when in use.
4. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
5. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
6. Secondary containment is provided for all tanks storing fuel.
7. The concrete vault tank is equipped with high level audible or visual alarm to prevent tank overfilling.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.

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Kennedy Space Center Site-Specific SPCC Plan Data

6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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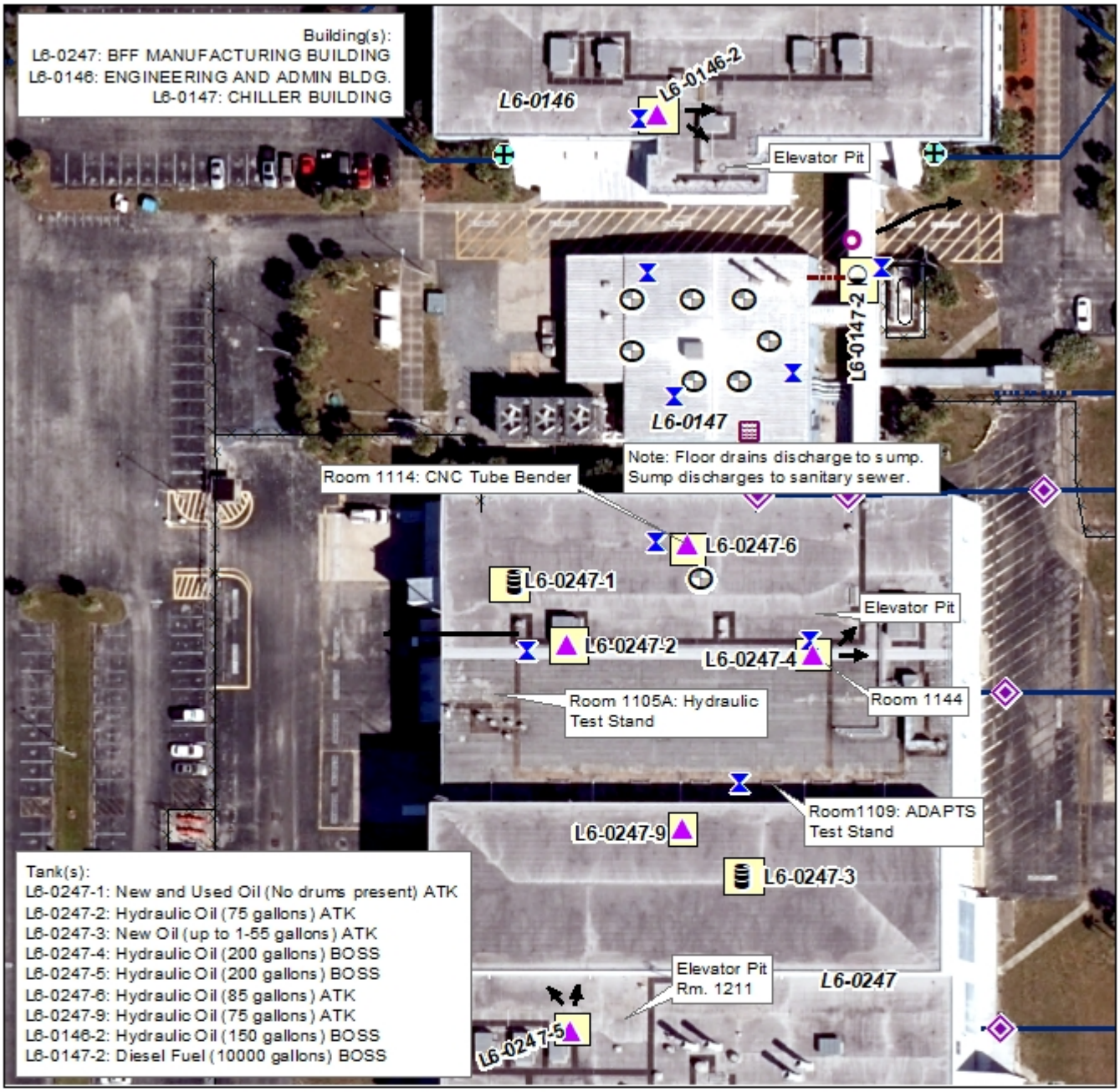
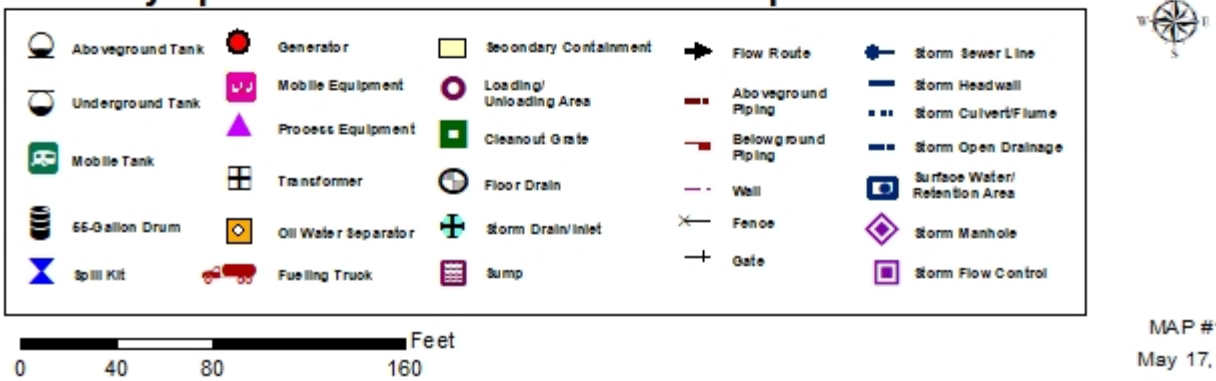
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #108
May 17, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L6-0247

Description: Oil storage associated with this building includes hydraulic oil stored in equipment associated with an orbiter actuator test stand, a hydraulic test stand, and building elevators, and new and used oil stored in 55-gallon drums.

Building/Site Name: BFF MANUFACTURING BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **L6-0247-4**

Container Type: Elevator

Container Capacity: 200 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >200 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir would flow out onto the uncoated concrete floor surface, potentially exiting the elevator room and entering the adjacent hallway. No floor drains exist in the immediate vicinity.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **L6-0247-5**

Container Type: Elevator

Container Capacity: 200 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details:	Double walled steel tank
Date Installed:	
Integrity Test Method:	Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.
Secondary Containment Details:	Elevator located within building
Secondary Containment Volume:	>200 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Single-walled steel
Oil Fill and Transfer Details:	Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.
Secondary Containment Drainage Procedure:	Not applicable. Elevator unit is located within a building.
Spill Route Details:	A leak in the hydraulic oil reservoir would flow out onto the concrete floor surface of the elevator room, potentially entering the adjacent utility room and High Bay area. There are no floor drains in the vicinity. A piston leak would flow into the elevator pit. There are not floor drains or sumps within the pit.
Maximum Refueling/Vacuum Truck Capacity:	N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for hydraulic tank L6-0247-3.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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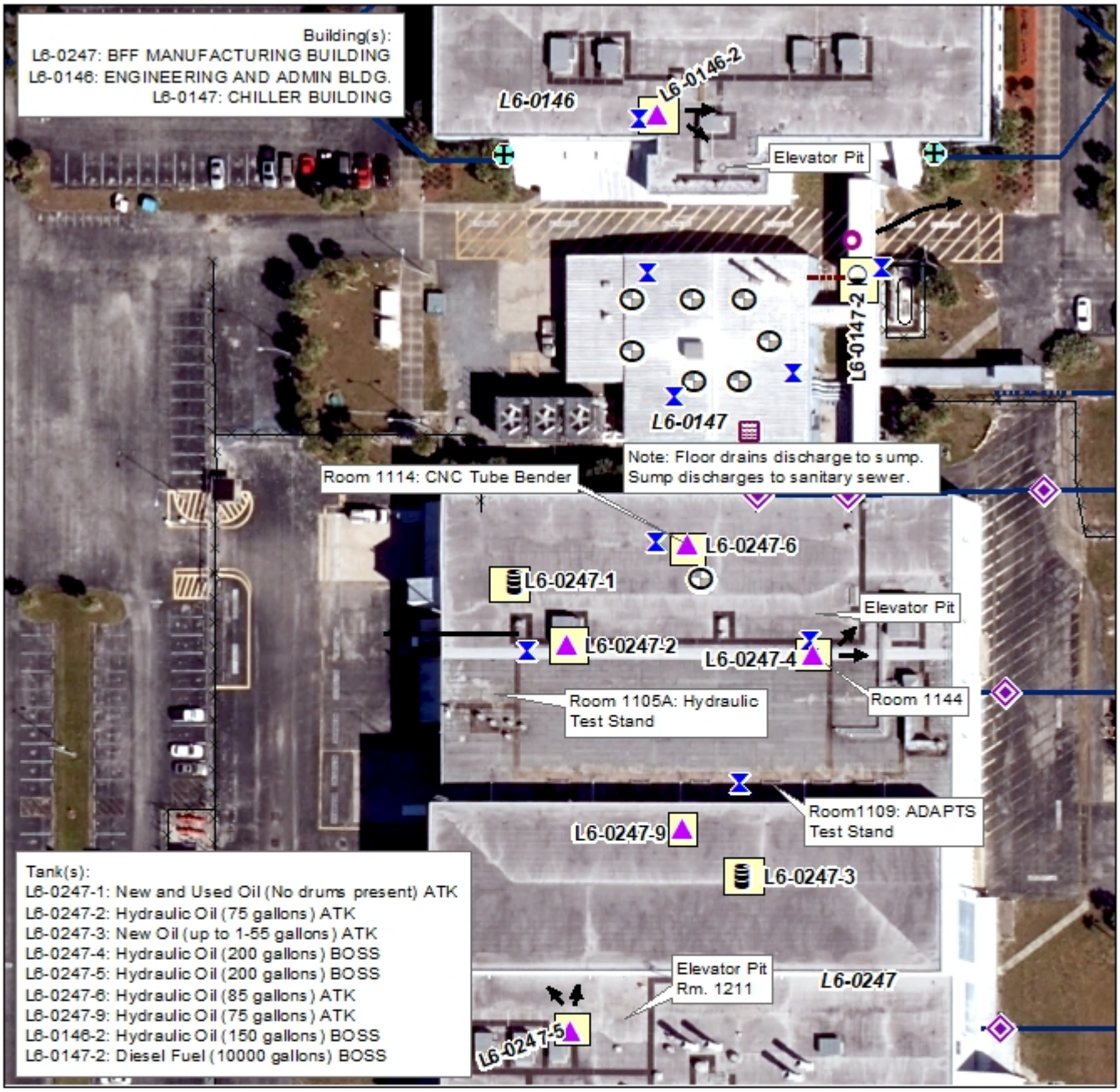
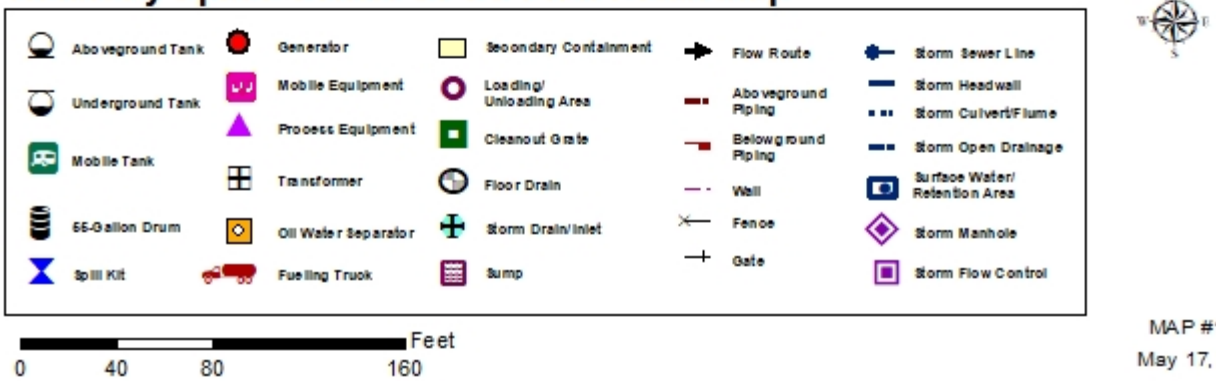
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #108
May 17, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L6-0297

Description: Oil storage associated with this facility includes hydraulic oil contained within elevator equipment.

Building/Site Name: MPSF

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **L6-0297-1**

Container Type: Elevator

Container Capacity: 170 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >170 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir would flow out onto the concrete floor surface, potentially exiting the elevator room and entering the adjacent hallway. There are no floor drains in the vicinity. A piston leak would flow into the elevator pit. There are no floor drains or sumps within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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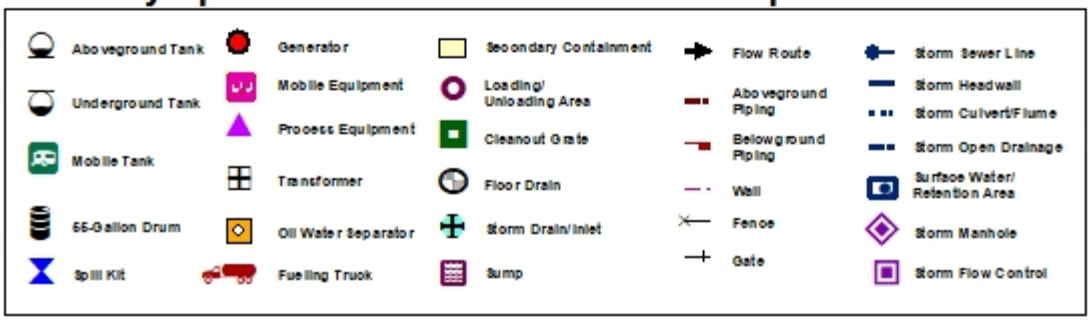
Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map



MAP #605
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M3-0147

Description: Oil storage at this facility is associated with an emergency generator used to supply back-up power to Indian River Bridge

Building/Site Name: INDIAN RIVER BRIDGE BACK-UP GENERATOR BLDG.

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M3-0147-1**

Container Type: Tank

Container Capacity: 350 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed: 1991

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete berm inside building with floor trenches

Secondary Containment Volume: >500 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is refilled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills or leakage from this tank would be contained within the trenches and curbed containment area of the building. Overflows of secondary containment would flow out of the building onto a grassy surface and south to the Indian River.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit
2. Small spill kit

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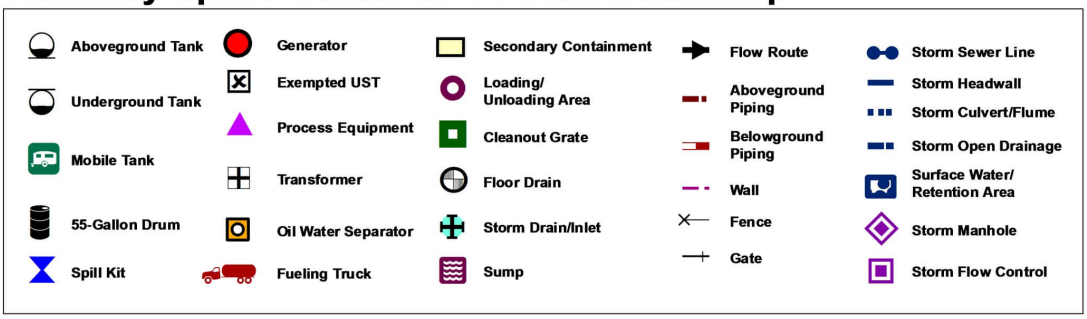
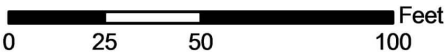
Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map





MAP #301
Dec 20, 2010

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M5-1586

Description: This facility houses a double-walled steel tank containing diesel fuel. The tank provides fuel to the grove water pump which regulates stormwater levels for the purpose of flood control.

Building/Site Name: GROVE PUMP HOUSE No. 8

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M5-1586-1**

Container Type: Aboveground Tank

Container Capacity: 300 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Emergency vent

Direct vision gauge

Spill bucket

Construction Details: Double walled steel tank

Date Installed: Nov-09

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >300 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from this tank would be contained by the interstice of the double walled tank. A spill or leak from the piping or during fueling operations would be contained within the concrete basin that houses the tank and grove pump engine. If a spill were to escape the containment area, it would flow toward a stormwater ditch that eventually discharges to the Indian River.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed except when in use.
3. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks storing diesel fuel.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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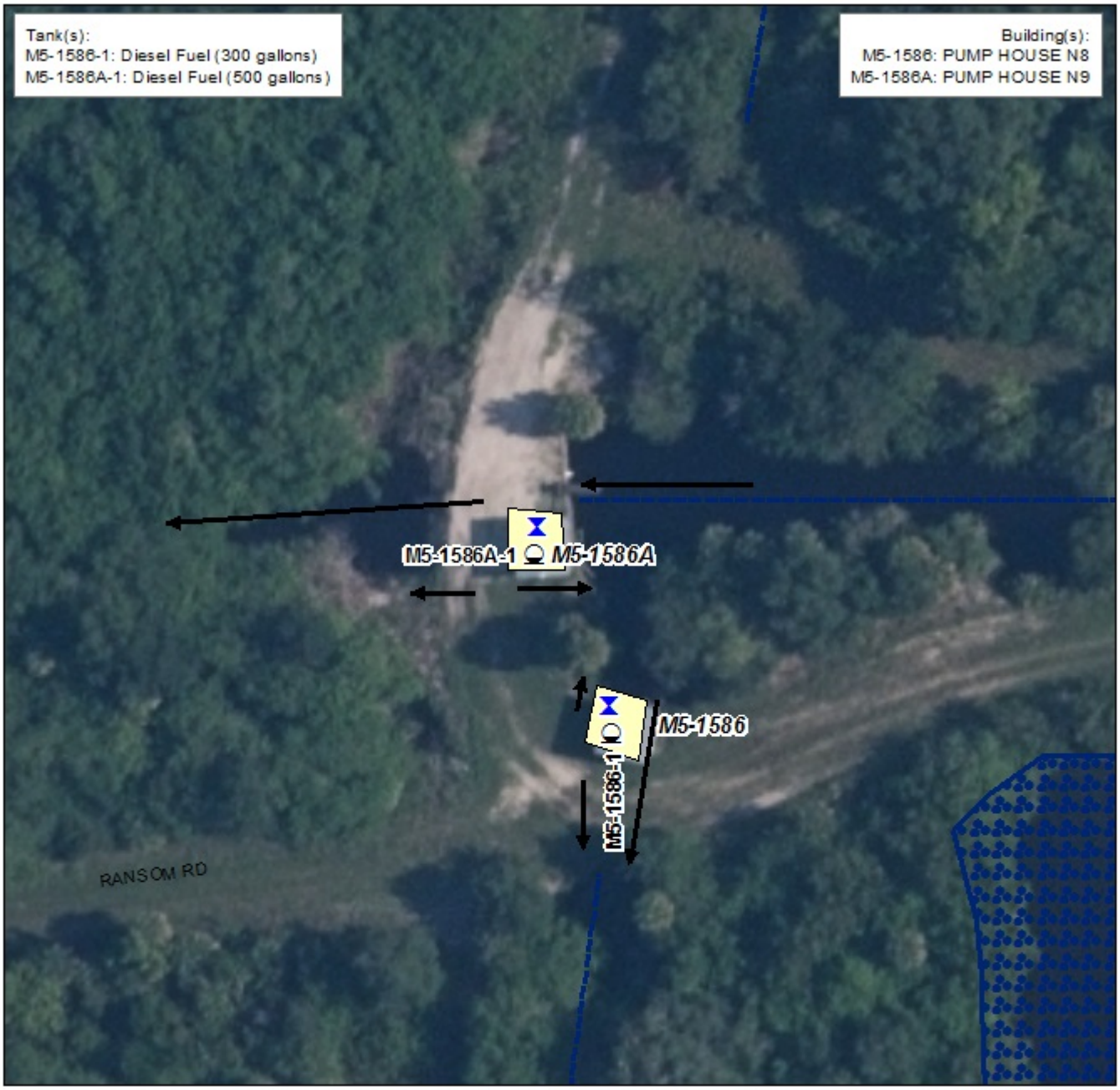
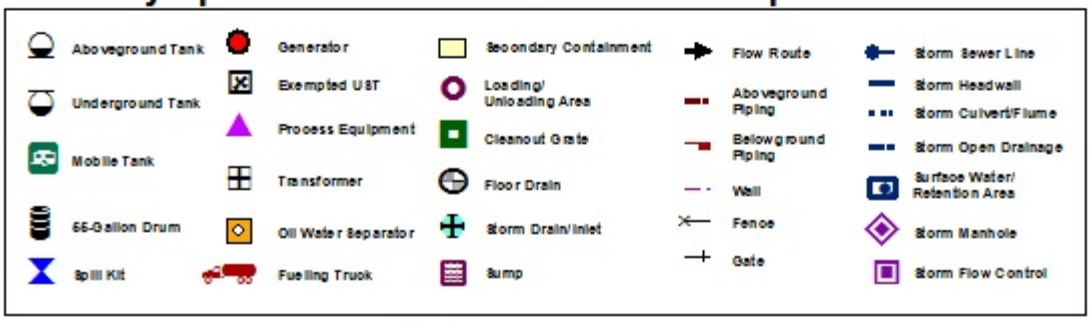
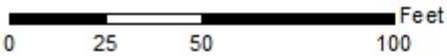
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #48
Dec 2, 2015

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M5-1586A

Description: This facility houses a double-walled steel tank containing diesel fuel. The tank provides fuel to the grove water pump which regulates stormwater levels for the purpose of flood control.

Building/Site Name: GROVE PUMP HOUSE No. 9

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M5-1586A-1**

Container Type: Aboveground Tank

Container Capacity: 500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Spill bucket

Direct vision gauge

Emergency vent

Construction Details: Double walled steel tank

Date Installed: Nov-09

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >500 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from this tank would be contained by the interstice of the double walled tank. A spill or leak from the piping or during fueling operations would be contained within the concrete basin that houses the tank and grove pump engine. If a spill were to escape the containment area, it would flow toward a stormwater ditch that eventually discharges to the Indian River.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed except when in use.
3. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks storing diesel fuel.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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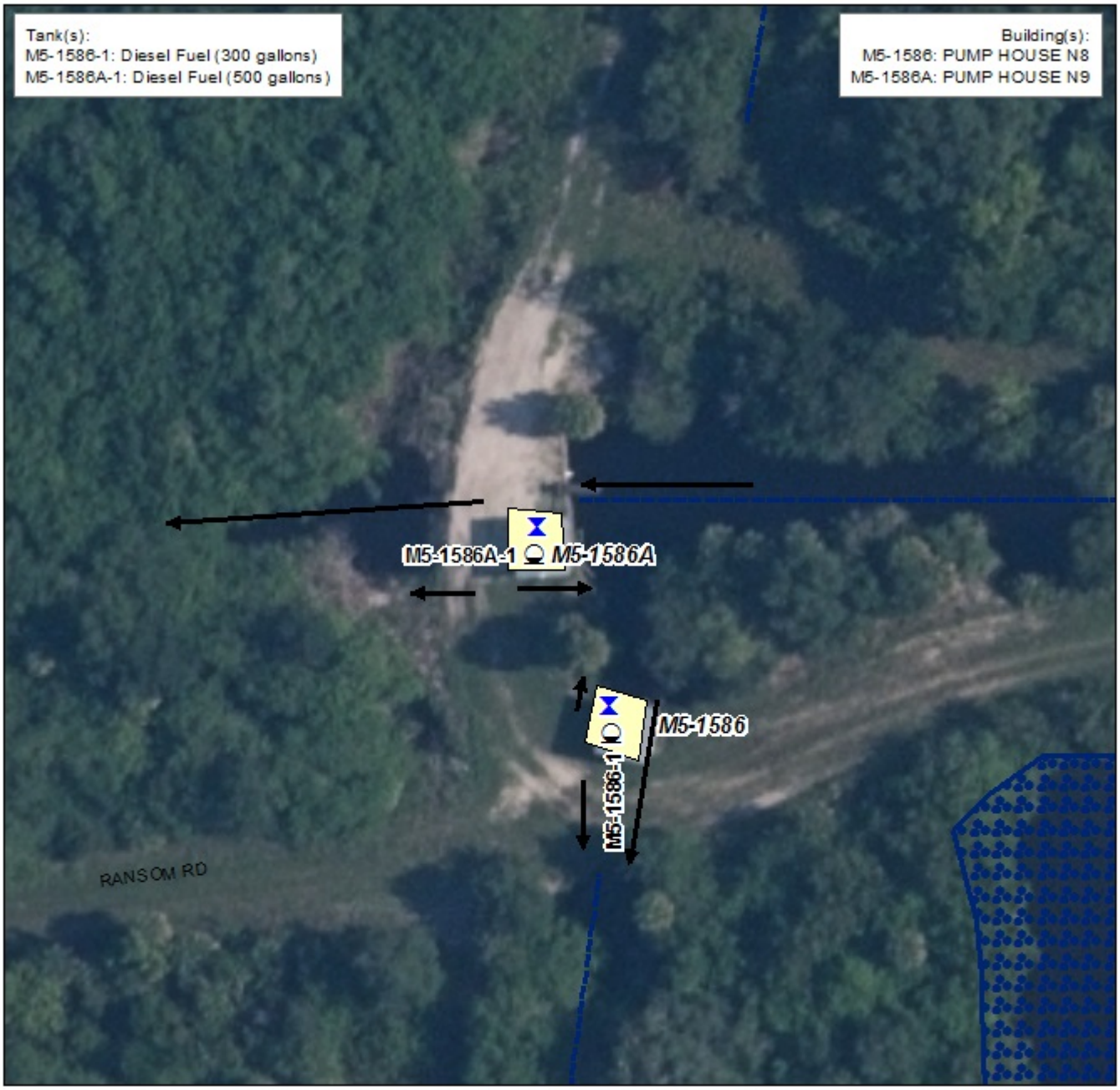
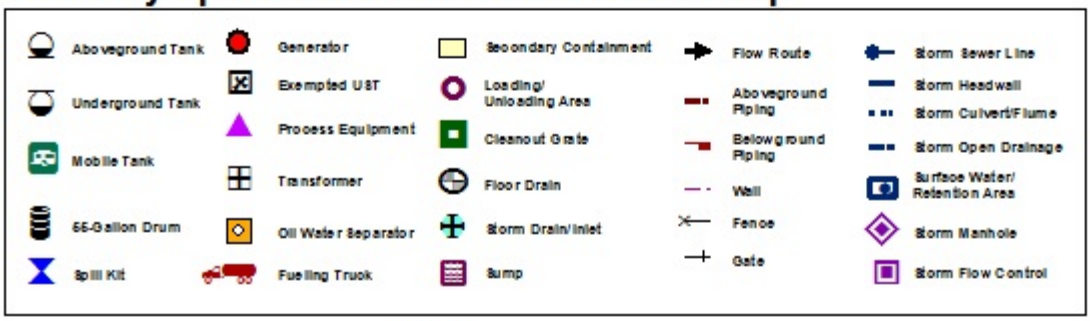
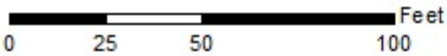
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #48
Dec 2, 2015

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0139

Description: Oil storage in this building is associated with diesel powered emergency generators.

Building/Site Name: CENTRAL DISTRIBUTION AND SWITCHING CENTER

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0139-1**

Container Type: Aboveground Tank

Container Capacity: 440 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Interstitial monitor and alarm

Direct vision gauge

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 500 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

An alarm sounds if liquid is detected in the interstitial space of the tank.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. A spill occurring during tank filling operations or a tank leak caused by a leak in both primary and secondary tank walls would flow out onto the ground surface and travel northeast towards a stormwater drainage ditch located in the vicinity.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M6-0139-2**

Container Type: Aboveground Tank

Container Capacity: 440 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Interstitial monitor and alarm

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 500 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. A spill occurring during tank filling operations or a tank leak caused by a leak in both primary and secondary tank walls would flow out onto the ground surface and travel northeast towards a stormwater drainage ditch located in the vicinity.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M6-0139-3**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type:	Aboveground Tank
Container Capacity:	440 Gallons
Materials Stored:	Diesel fuel
Fail Safe Features:	Interstitial monitor and alarm Direct vision gauge
Construction Details:	Double walled steel tank
Date Installed:	
Integrity Test Method:	Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan. Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Double walled tank
Secondary Containment Volume:	500 Gallons
Piping Type:	Aboveground
Corrosion Protection:	N/A
Piping Details:	Single-walled flexible
Oil Fill and Transfer Details:	This tank is filled on an as-needed basis by the KSC fuels contractor.
Secondary Containment Drainage Procedure:	If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations. If deemed to be free of oil, accumulated liquid is discharged to the ground surface. Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor. An alarm sounds if liquid is detected in the interstitial space of the tank.
Spill Route Details:	A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. A spill occurring during tank filling operations or a tank leak caused by a leak in both primary and secondary tank walls would flow out onto the ground surface and travel northeast towards a stormwater drainage ditch located in the vicinity.
Maximum Refueling/Vacuum Truck Capacity:	2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all tanks storing fuel.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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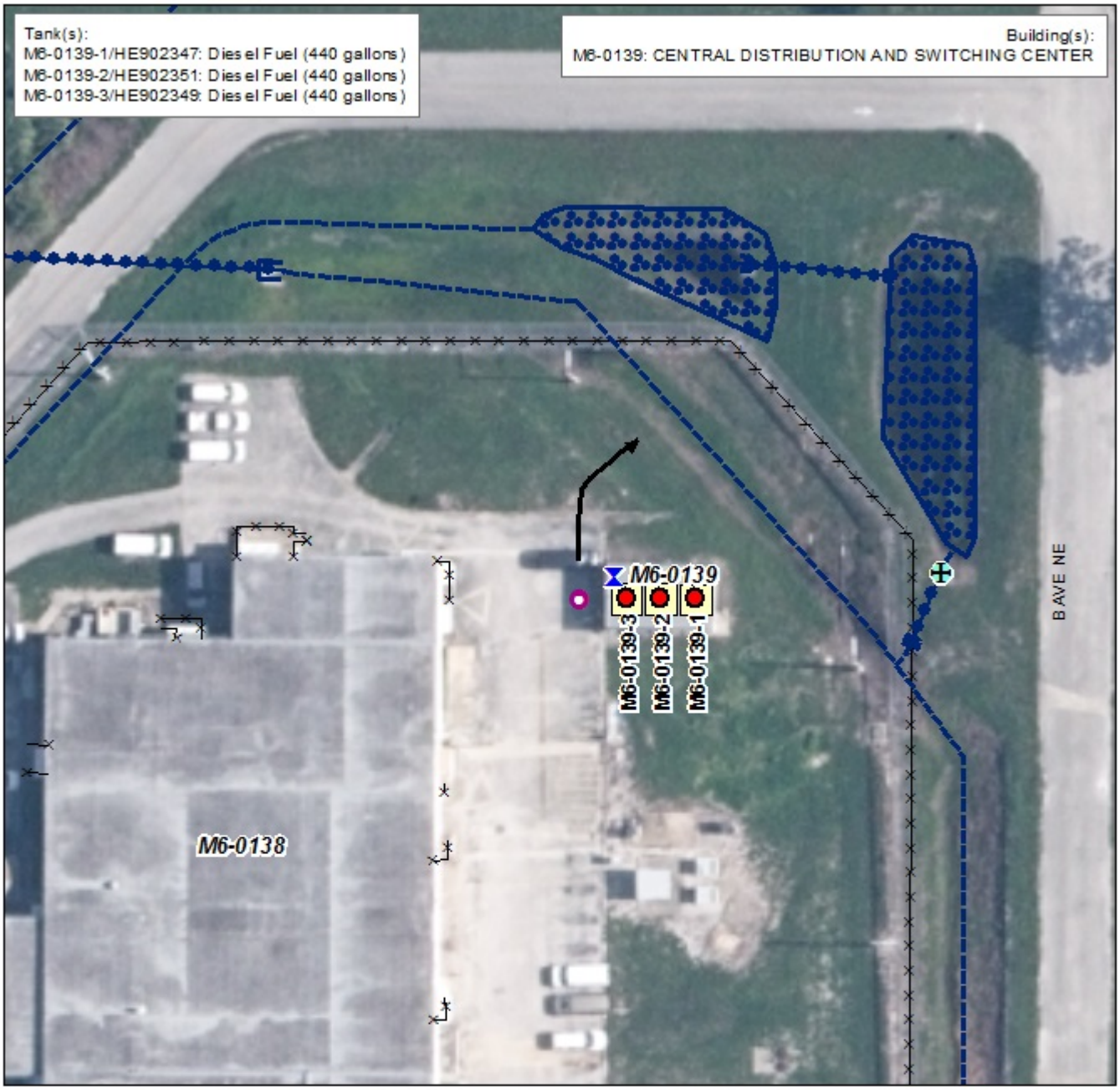
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #323
Nov 20, 2015

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0486

Description: This facility is utilized to repair and perform maintenance on KSC heavy equipment. Oil storage associated with this building consists of a compressor condensate tank, and motor oil tanks used for vehicle maintenance and repair.

Building/Site Name: M & O BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0486-1**

Container Type: Aboveground Tank

Container Capacity: 200 Gallons

Materials Stored: Transmission fluid

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed: 1986

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 2468 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled approximately every two months by an off-site supplier.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or tank leak would be contained within the concrete containment area. Overflows of secondary containment and spills during filling operations would flow west on pavement to a grassy swale.

Maximum Refueling/Vacuum Truck Capacity: 5000 Gallons

Container: **M6-0486-2**

Container Type: Aboveground Tank

Container Capacity: 200 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed: 1986

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 2468 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled approximately every two months by an off-site supplier.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A spill or tank leak would be contained within the concrete containment area. Overflows of secondary containment and spills during filling operations would flow west on pavement to a grassy swale.

Maximum Refueling/Vacuum Truck Capacity: 5000 Gallons

Container: **M6-0486-3**

Container Type: Aboveground Tank

Container Capacity: 200 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Materials Stored: Motor oil

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed: 1986

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 2468 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Motor oil is pumped into the tank approximately every two months by an off-site supplier.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill or tank leak would be contained within the concrete containment area. Overflows of secondary containment and spills during filling operations would flow west on pavement to a grassy swale.

Maximum Refueling/Vacuum Truck Capacity: 5000 Gallons

Container: **M6-0486-4**

Container Type: Aboveground Tank

Container Capacity: 200 Gallons

Materials Stored: Lube oil

Fail Safe Features: Direct vision gauge

Atmospheric vent

Construction Details: Single walled steel tank

Date Installed: 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 2468 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled every two months by an off-site supplier.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

Spill Route Details: A spill or tank leak would be contained within the concrete containment area. Overflows of secondary containment and spills during filling operations would flow west on pavement to a grassy swale.

Maximum Refueling/Vacuum Truck Capacity: 5000 Gallons

Container: **M6-0486-6**

Container Type: Aboveground Tank

Container Capacity: 200 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed: Unknown

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 2468 Gallons

Piping Type: Aboveground

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Kennedy Space Center Site-Specific SPCC Plan Data

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled approximately every two months by an off-site supplier.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill or tank leak would be contained within the concrete containment area. Overflows of secondary containment and spills during filling operations would flow west on pavement to a grassy swale.

Maximum Refueling/Vacuum Truck Capacity: 5000 Gallons

Container: **M6-0486-9**

Container Type: Aboveground Tank

Container Capacity: 300 Gallons

Materials Stored: Compressor condensate

Fail Safe Features: Visual Level indication

Construction Details: Double walled polyethylene tank

Date Installed: 2015

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >300 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Compressor condensate is automatically discharged to this tank by the operation of an air compressor. This tank is emptied on an as-needed basis.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The interstitial space is checked monthly for fluid.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

Spill Route Details: Due to the slow rate of oily condensate production, discharges from the very small diameter condensate piping would most likely pool inside the building or runoff to grade near the tank. Overflows of the secondary containment would run-off to grade near the tank. The 24-hour spill response team would be adequate to address any release of the compressor condensate before it could reach navigable waters.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks storing oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.

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Kennedy Space Center Site-Specific SPCC Plan Data

7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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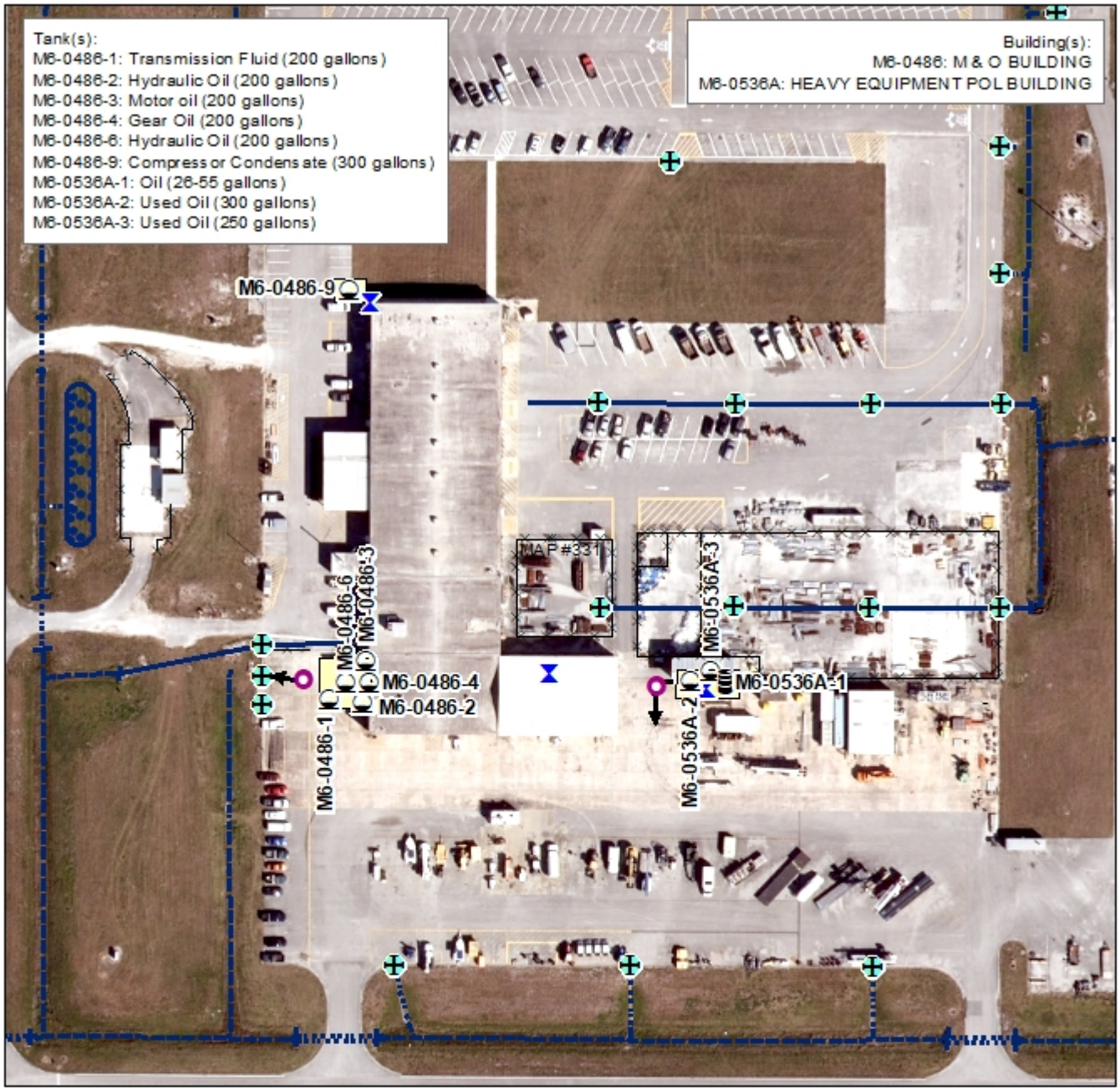
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 62.5 125 250 Feet

MAP #331
Nov 7, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0493C

Description: This building houses an emergency generator used to supply back-up power to the facility.

Building/Site Name: FOOD VAN SERVICE BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0493C-1**

Container Type: Tank

Container Capacity: 100 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Visual Level indication

Construction Details: Single-walled steel tank within a secondary containment

Date Installed: 1991

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor inside building with floor trenches that do not discharge

Secondary Containment Volume: >100 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This generator tank is filled on an as needed basis by the KSC fuel contractor.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Leakages from the generator tank would be contained within the containment trenches located inside the emergency generator building. Spills occurring during loading/unloading operations would flow to the east and pool on the concrete surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all tanks storing oil.
4. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit
2. Small spill kit

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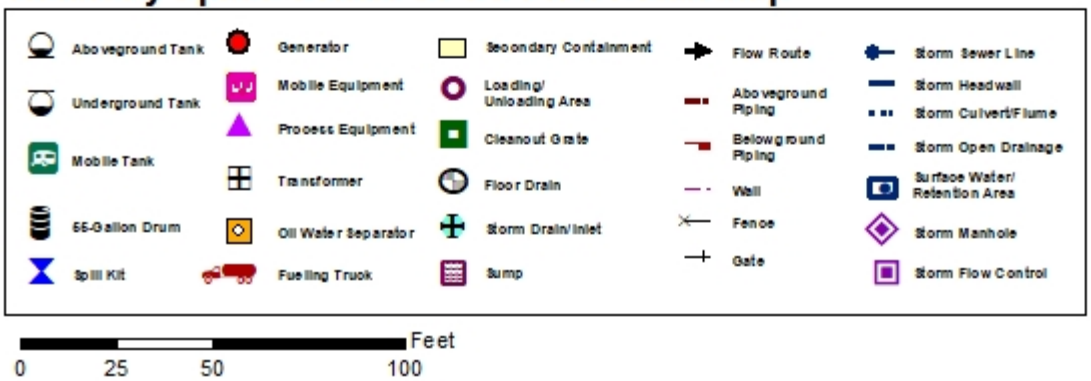
Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map



MAP #309
May 3, 2019

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0495D

Description: This building houses an emergency generator used to supply back-up power to the Occupational Health Facility (OHF).

Building/Site Name: OCCUPATIONAL HEALTH FACILITY BACK-UP GENERATOR BUILDNG

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0495D-1**

Container Type: Tank

Container Capacity: 400 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed: 1990

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete berm inside building

Secondary Containment Volume: 718 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This generator tank is filled on an as-needed basis by the KSC fuel contractor.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills would be contained within the secondary containment bermed area inside the emergency generator building. Overflows would flow east out of the emergency generator building towards a storm drain which discharges to Buck Creek and ultimately to the Banana River.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for the tank storing oil.
4. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit
2. Small spill kit

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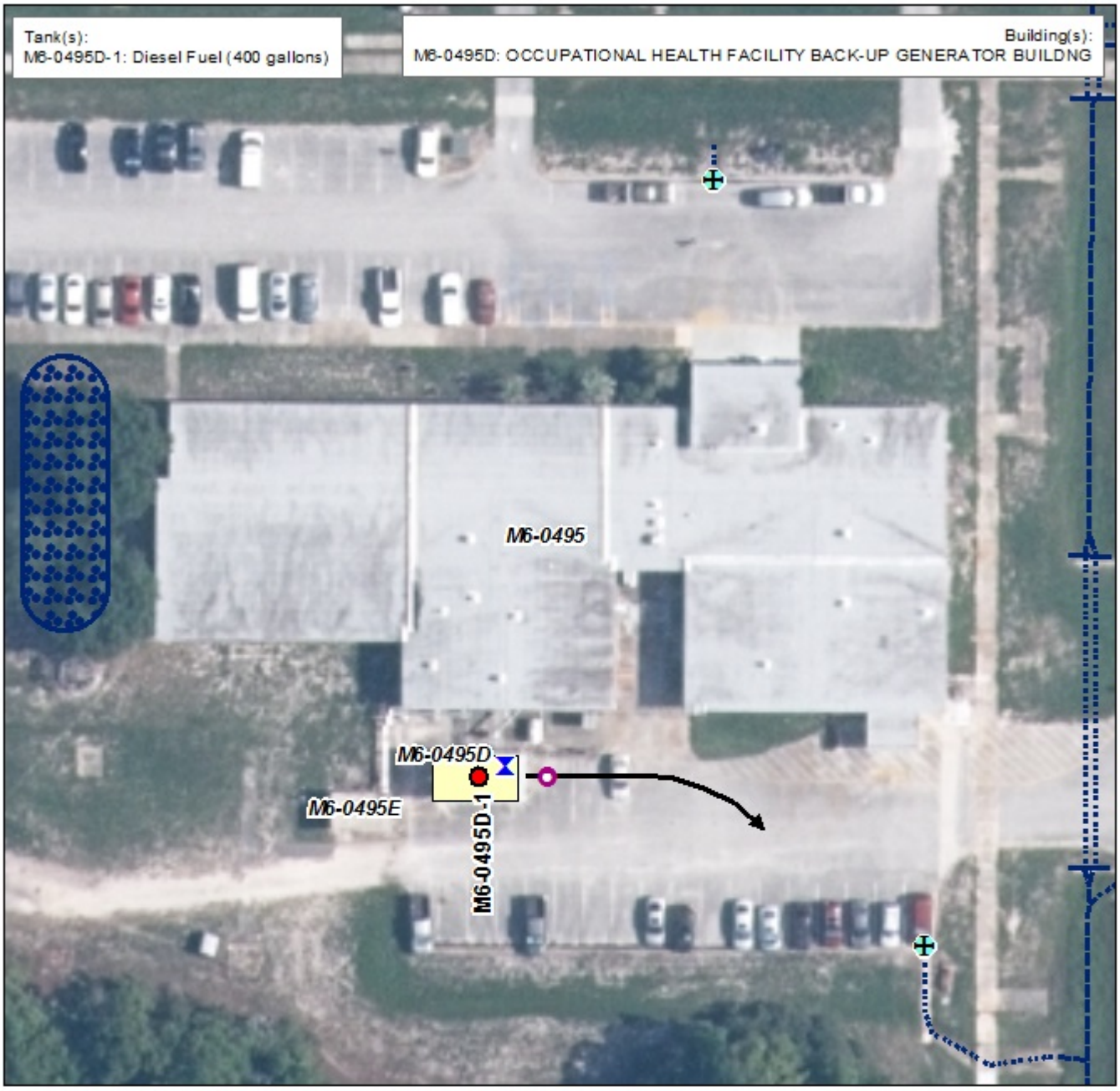
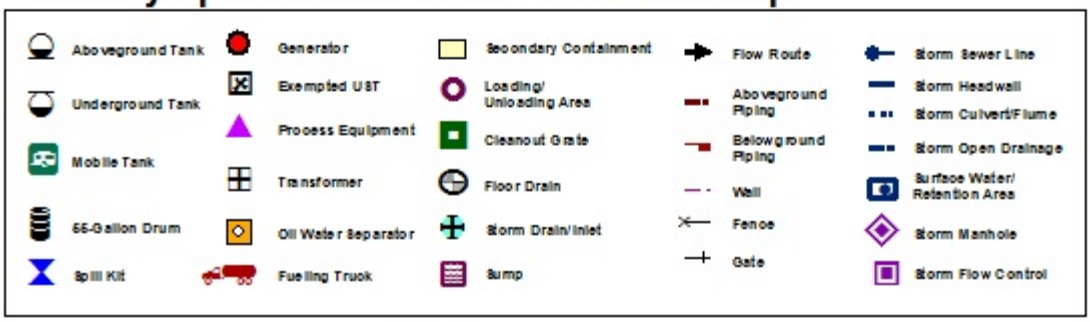
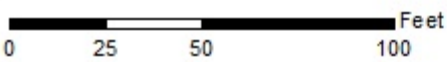
RELEASED - Printed documents may be obsolete; validate prior to use.
http://intranet.kennedy.gov/ecf/ecf/spillPlan/printKey.cfm?Key=1&Pkey=1&Lb=M6-0247&Bto=M7-1362

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #310
May 13, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0536A

Description: This building is utilized for the storage of new and used oil generated in Building M6-0486, Heavy Equipment Building.

Building/Site Name: HEAVY EQUIPMENT POL BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0536A-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 26 - 55 Gallons

Materials Stored: Oil

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 3078 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: 55-gallon drums of used oil are transported from trucks into the secondary containment area. Up to 26 drums are stored at this facility at a time

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills from 55-gallon drums would be contained within the concrete containment area. Overflows of the concrete containment area would flow southwest onto pavement. There are no storm drains in the immediate vicinity.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0536A-2**

Container Type: Aboveground Tank

Container Capacity: 300 Gallons

Materials Stored: Used oil

Fail Safe Features: Direct vision of fluid level

Construction Details: Single walled polyethylene tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 3078 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Used oil generated from Building M6-0486 is transported manually by buckets to the tank and poured into the used oil tank. The used oil tank is vacuum pumped by the KSC vacuum truck on an as needed basis.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Spills or leakage from the used oil tank would be contained within the concrete containment area. Overflows of the concrete containment or spills during tank unloading operations would flow southwest onto pavement. There are no storm drains in the immediate vicinity.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

Container: **M6-0536A-3**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type: Aboveground Tank

Container Capacity: 250 Gallons

Materials Stored: Used oil

Fail Safe Features: Direct vision of fluid level

Construction Details: Single walled stainless steel tank

Date Installed: 2013

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 3078 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Used oil from the draining of oil filters enters this tank through a grate near the top. The used oil is pumped into an adjacent used oil storage tank within the secondary containment on an as-needed basis.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: Spills or leakage from the used oil tank would be contained within the concrete containment area. Overflows of the concrete containment or spills during tank unloading operations would flow southwest onto pavement. There are no storm drains in the immediate vicinity.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.

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Kennedy Space Center Site-Specific SPCC Plan Data

4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums storing new and used oil.
6. Secondary containment is provided for all tanks storing oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit
2. Small spill kit

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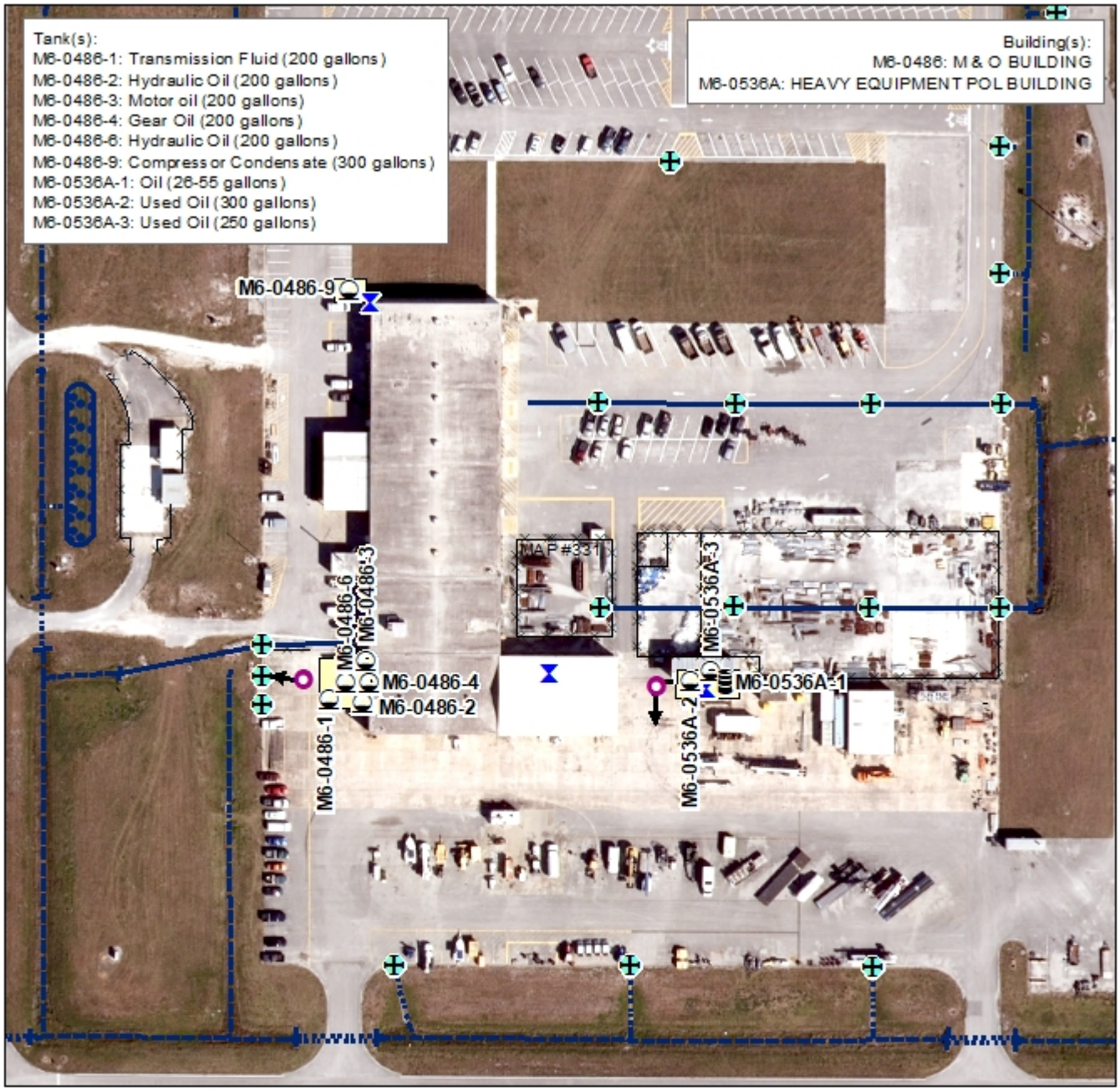
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

Feet
0 62.5 125 250

MAP #331
Nov 7, 2019

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0547

Description: Oil storage associated with this building consists of diesel fuel stored in above ground fuel tanks.

Building/Site Name: Kennedy Data Center

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0547-1**

Container Type: Aboveground Tank

Container Capacity: 8,000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon valve

Automatic overfill shut off valve

Direct vision clock gauge

Emergency vent

Atmospheric vent

High level alarm

Leak detection system

Spill bucket

Construction Details: Concrete vaulted tank

Date Installed: 03/19/2015

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete vaulted tank

Secondary Containment Volume: >8,800 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled through a fill box on the north side of the tank by the KSC fuels contractor on an as needed basis. This tank provides fuel to emergency generator day tanks via aboveground piping.

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Kennedy Space Center Site-Specific SPCC Plan Data

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

Spill Route Details: Spills during tank filling operations and leaks from the single-walled piping would be contained in the gravel area surrounding the tank and generators. A release from the fueling truck would flow west on the concrete driveway towards a grassy area.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

Container: **M6-0547-2**

Container Type: Aboveground Tank

Container Capacity: 400 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Atmospheric vent

Automatic tank gauge

Direct vision gauge

Emergency vent

Interstitial monitor

Construction Details: Double walled steel daytank

Date Installed: 03/19/2015

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >440 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: The generator day tank is automatically filled from a 8,000 gallon tank by a pump activated by low and high level switches.

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

Any liquid accumulated in the secondary containment structure is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Any spill or leaks from the generator day tank would be contained in the steel secondary containment tank. A liquid detection sensor in the interstitial space would detect the fluid and turn off the transfer fill pump prior to emptying the contents of the 8,000 gallon tank. Leaks from the piping would go to the steel floor of the generator shelter and drain to a utility penetration into soil and out of the shelter onto the concrete slab continuing to the rocky area around the shelter.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

Container: **M6-0547-3**

Container Type: Aboveground Tank

Container Capacity: 400 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Atmospheric vent

Automatic tank gauge

Direct vision gauge

Emergency vent

Interstitial monitor

Construction Details: Double walled steel daytank

Date Installed: 03/19/2015

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >440 Gallons

Piping Type: Aboveground. A combination of flex lines and hard lines

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: The generator day tank is automatically filled from a 8,000 gallon tank by a pump activated by low and high level switches.

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Any spill or leaks from the generator day tank would be contained in the steel secondary containment tank. A liquid detection sensor in the interstitial space would detect the fluid and turn off the transfer fill pump prior to emptying the contents of the 8,000 gallon tank. Leaks from the piping would go to the steel floor of the generator shelter and drain to a utility penetration into soil and out of the shelter onto the concrete slab continuing to the rocky area around the shelter.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all stationary tanks storing fuel.
5. Tank filling operations are closely supervised to minimize the potential for spills.
6. Tanks are equipped with high level audible or visual alarms to prevent tank overfilling.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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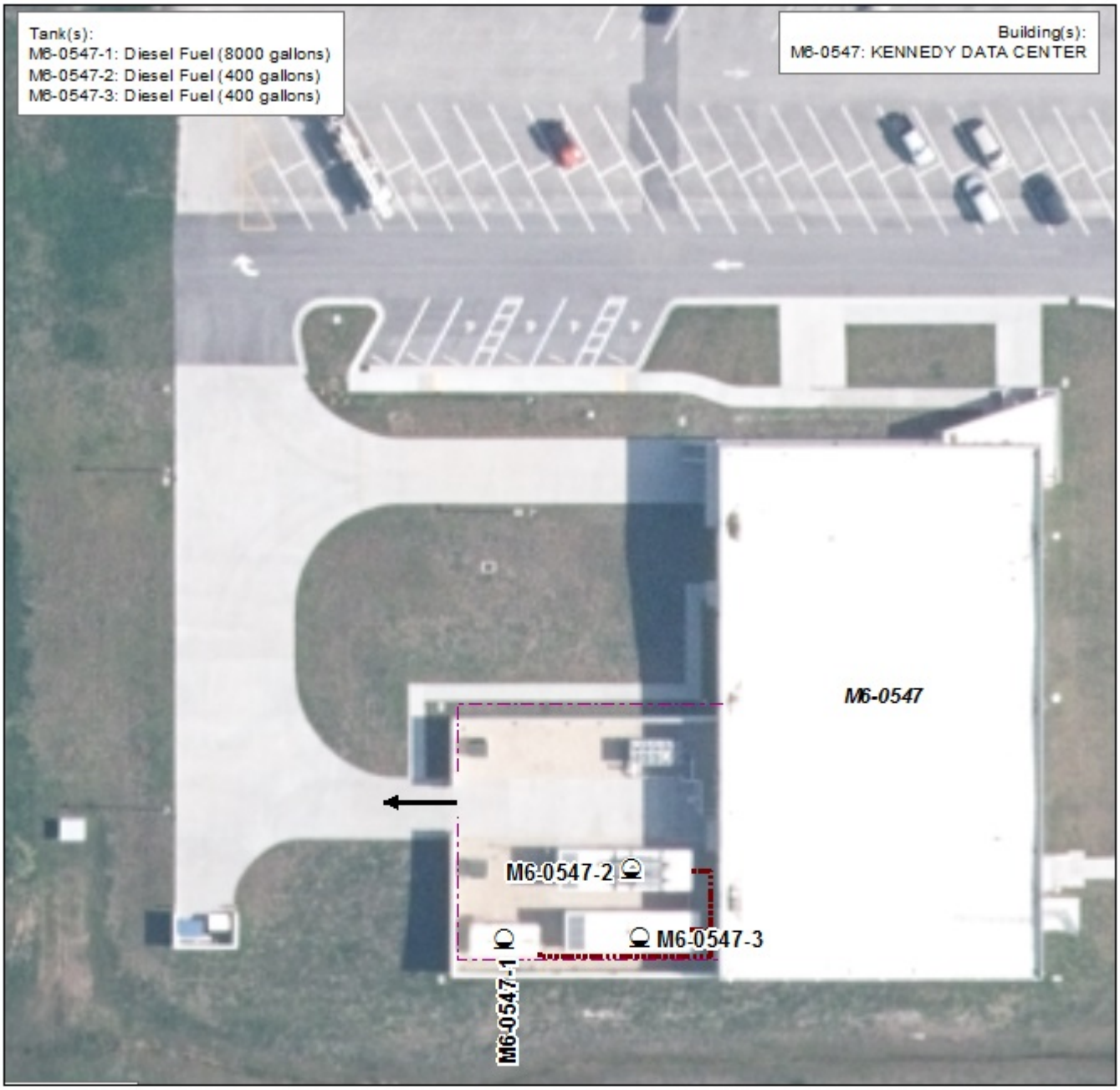
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

Feet
0 25 50 100

MAP #734
Jun 2, 2016

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0695

Description: Oil storage associated with this building includes diesel fuel associated with an emergency generator.

Building/Site Name: FIRE STATION #4

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0695-1**

Container Type: Aboveground Tank

Container Capacity: 200 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Visual Level indication

Construction Details: Double walled steel tank

Date Installed: Aug-13

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >200 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Fuel is added to this tank on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A spill or leak from the primary tank would be contained within interstitial space. A leak from system piping or a spill during oil transfer activities would flow west toward a storm drain inlet that drains to a stormwater ditch north of the facility. This ditch system is connected to the Regoin 1 stormwater detention pond.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #730
Dec 15, 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0744

Description: This facility is distribution center for materials coming into KSC. Refueler trucks are stored in the parking area of this building.

Building/Site Name: CENTRAL SUPPLY FACILITY

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0744-1**

Container Type: Tank Truck (HE703-360)

Container Capacity: 1500 & 500 Gallons

Materials Stored: Diesel fuel and gasoline

Fail Safe Features: Direct vision of liquid through fill port

Construction Details: 2 single walled steel tank compartments (1500 gals diesel and 500 gals gasoline) on a refueler truck

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: Refueler trucks are fueled from commercial delivery trucks within KSC. POL transfer operations take place at multiple locations around KSC including generators and other tanks at KSC.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If a tank leak has occurred, the pond surface is inspected for the presence of a sheen or odor.

If free of any oil sheen, storm water that accumulates in the retention basin is allowed to evaporate or percolate into the ground.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Leaks from the refueler truck would pool on the concrete parking lot on which the refueler is parked. Large spills would flow west on the concrete parking lot towards a stormwater retention basin with wetland type vegetation.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M6-0744-2**

Container Type: Tank Truck (HE703-362)

Container Capacity: 1500 & 500 Gallons

Materials Stored: Diesel fuel and gasoline

Fail Safe Features: Direct vision of liquid through fill port

Construction Details: 2 single walled steel tank compartments (1500 gals diesel and 500 gals gasoline) on a refueler truck

Date Installed: N/A

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: Refueler trucks are fueled from commercial delivery trucks within KSC. POL transfer operations take place at multiple locations around KSC including generators and other tanks at KSC.

Secondary Containment Drainage Procedure: If free of any oil sheen, storm water that accumulates in the retention basin is allowed to evaporate or percolate into the ground.

If a tank leak has occurred, the pond surface is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Leaks from the refueler truck would pool on the concrete parking lot on which the refueler is parked. Large spills would flow west on the concrete parking lot towards a stormwater retention basin with wetland type vegetation.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M6-0744-3**

Container Type: Tank Truck (HE703-460)

Container Capacity: 1500 & 500 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Materials Stored: Diesel fuel and gasoline

Fail Safe Features: Direct vision of liquid through fill port

Construction Details: 2 single walled steel tank compartments (1500 gals diesel and 500 gals gasoline) on a refueler truck

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: Refueler trucks are fueled from commercial delivery trucks within KSC. POL transfer operations take place at multiple locations around KSC including generators and other tanks at KSC.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If a tank leak has occurred, the pond surface is inspected for the presence of a sheen or odor.

If free of any oil sheen, storm water that accumulates in the retention basin is allowed to evaporate or percolate into the ground.

Spill Route Details: Leaks from the refueler truck would pool on the concrete parking lot on which the refueler is parked on. Large spills would flow west on the concrete parking lot towards a stormwater retention basin with wetland type vegetation.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 75 150 300 Feet

MAP #319
Dec 14, 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0798A

Description: Oil storage at this facility consists of double-walled mobile fuel tanks used to supply fuel to portable boilers. Additionally, single-walled fuel tanks and oil-filled equipment associated with mobile equipment is stored at this facility.

Building/Site Name: HEAVY EQUIPMENT STORAGE SHED

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0798A-1**

Container Type: Mobile Tank

Container Capacity: Up to 4 - 1000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Atmospheric vent

Direct vision level gauge on each tank

Emergency vent

Construction Details: Double walled steel tank

Date Installed: N/A

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1000 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled by the KSC fuels contractor on an as needed basis.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The interstitial space is checked monthly for fluid.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary wall of the secondary containment tank. A spill or leak occurring during tank filling operations or a tank leak exiting the secondary tank wall would accumulate onto whatever surface the tank is located. The primary storage location is the gravel parking area at M6-0798A. Leaks from the aboveground piping would discharge to ground surface. Spills would migrate into the storm drain and flow into the adjoining stormwater ditch which ultimately discharges to the Region 1 stormwater detention pond.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M6-0798A-10**

Container Type: Process Equipment

Container Capacity: 64 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision of fluid level

Construction Details: Single walled steel tank

Date Installed: 4/18/12

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: >64 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled or topped off during preventive maintenance, as needed.

Secondary Containment Drainage Procedure: Residual liquid is cleaned up using spill kit materials. Oil contaminated materials are then properly disposed of.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

Spill Route Details: A spill or leak occurring during tank filling operations or a tank leak would accumulate onto the surface where the pump/tank is deployed. The primary storage location is under a covered structure within a curbed concrete floor. Leaks or spills would be released onto the curbed concrete containment. Releases from the secondary containment would flow to the adjacent soil and be absorbed. The 24 hour spill response team would be adequate to address any release before it could reach navigable water.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0798A-11**

Container Type: Mobile Tank

Container Capacity: 97 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

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Kennedy Space Center Site-Specific SPCC Plan Data

Emergency vent

Construction Details: Single walled steel tank

Date Installed: 4/18/12

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Collapsible secondary containment

Secondary Containment Volume: >97 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled by the KSC fuels contractor on an as needed basis. Tank trucks for delivery of fuel to individual mobile tanks are equipped with a spill kit and is continuously manned while delivery and filling operations are occurring.

Secondary Containment Drainage Procedure: Residual liquid is cleaned up using spill kit materials. Oil contaminated materials are then properly disposed of.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

Spill Route Details: A spill or leak occurring during tank filling operations or a tank leak would accumulate onto the surface where the pump/tank is deployed. The primary storage location is under a covered structure within a curbed concrete floor. Leaks or spills would be released onto the curbed concrete containment. Releases from the secondary containment would flow to the adjacent soil and be absorbed. The 24 hour spill response team would be adequate to address any release before it could reach navigable water.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.

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Kennedy Space Center Site-Specific SPCC Plan Data

3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. None provided

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 30 60 120 Feet

MAP #314
Nov 27, 2017

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0894

Description: This building's primary function is to store petroleum, oils, lubricants and other chemicals for distribution to various facilities at KSC.

Building/Site Name: PETROLEUM, OIL AND LUBRICANT (POL) STORAGE BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0894-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 18 - 55 Gallons

Materials Stored: Oil and miscellaneous other products

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: No fill and transfer occurs at this location. Drums are delivered to various locations at KSC for use via trucks. Up to 18 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

Spill Route Details: A release from a 55-gallon drum would be contained inside of the spill pallet. A release from the spill pallet would flow onto the concrete floor and be maintained inside of the facility.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan.
2. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. The oil storage area is maintained in a neat and orderly condition.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.
3. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
5. Notify Supervisor and Facility Manager.
6. Cleanup with inhouse capability, if available.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 40 80 160 Feet

MAP #317
May 17, 2016

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0996

Description: Oil storage associated with this electrical substation includes mineral oil stored in transformers, and circuit breakers.

Building/Site Name: ORSINO POWER SUBSTATION

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0996-1**

Container Type: Transformer (TX-1)

Container Capacity: 5230 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: Low oil level alarms

High temperature alarms

Nitrogen pressure alarms

Construction Details: Single walled steel transformer with 3 tanks, with volumes of 100, 312 and 4818 gallons, respectively. (5230-gallon total volume)

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: These transformers are filled on an infrequent and as-needed basis by pumping small amounts of oil from a 55-gallon drum into the transformer.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

Spill Route Details: A leak from the transformer will light alarms in the Launch Control Complex, which is manned 24-hours. The spilled oil will enter a neoprene-lined underground corrugated steel pipe containment system. Discharges are pumped from a sump located at the terminus of the corrogated pipe. There is an overflow pipe with oil skimmer emptying to the open ditch to the south. This open ditch discharges to the Region 1 stormwater detention pond. The stormwater pond eventually discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0996-2**

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Container Type: Transformer (TX-2)

Container Capacity: 5230 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: Nitrogen pressure alarms

High temperature alarms

Low oil level alarms

Construction Details: Single walled steel transformer with 3 tanks, with volumes of 100, 312 and 4818 gallons, respectively. (5230-gallon total volume)

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: These transformers are filled on an infrequent and as-needed basis by pumping small amounts of oil from a 55-gallon drum into the transformer.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

Spill Route Details: A leak from the transformer will light alarms in the Launch Control Complex, which is manned 24-hours. The most likely spill from the stainless steel piping would be a minor weep at connection points which will be contained within the gravel near the tank and would be observed during daily facility monitoring by high voltage personnel. The spilled oil will enter a neoprene-lined underground corrugated steel pipe containment system. Discharges are pumped from a sump located at the terminus of the corrugated pipe. There is an overflow pipe with oil skimmer emptying to the open ditch to the south. This open ditch discharges to the Region 1 stormwater detention pond. The stormwater pond eventually discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0996-3**

Container Type: Transformer (TX-3)

Container Capacity: 5230 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: Low oil level alarms

High temperature alarms

Nitrogen pressure alarms

Construction Details: Single walled steel transformer with 3 tanks, with volumes of 100, 312 and 4818 gallons, respectively. (5230-gallon total volume)

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: These transformers are filled on an infrequent and as-needed basis by pumping small amounts of oil from a 55-gallon drum into the transformer.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

Spill Route Details: A leak from the transformer will light alarms in the Launch Control Complex, which is manned 24-hours. The spilled oil will enter a neoprene-lined underground corrugated steel pipe containment system. Discharges are pumped from a sump located at the terminus of the corrogated pipe. There is an overflow pipe with oil skimmer emptying to the open ditch to the south. This open ditch discharges to the Region 1 stormwater detention pond. The stormwater pond eventually discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0996-7**

Container Type: Transformer (SS-2)

Container Capacity: 168 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel transformer tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Transformers are filled with mineral oil on an infrequent and as-needed basis bytrained KSC employees by pumping oil from 55-gallon drums into the transformer.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from a transformer or a spill during oil filling activities would flow out onto the gravel surface and infiltrate into the ground and/or travel south towards an open ditch leading to the Region 1stormwater detention pond. This detention pond eventually discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0996-8**

Container Type: Transformer (SS-1)

Container Capacity: 168 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: N/A

Construction Details: Single walled steel transformer tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Transformers are filled with mineral oil on an infrequent and as-needed basis by trained KSC employees by pumping oil from 55-gallon drums into the transformer.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

Spill Route Details: A leak from a transformer would flow out onto the gravel surface and infiltrate into the ground and/or travel south towards an open ditch leading to the Region 1 stormwater detention pond. The Region 1 stormwater detention pond discharges into Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.

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http://intranet.kennedy.gov/ksc-bin/KSCSpillPlan/printKeyUnitDetail.aspx?Unit=M6-0996&Ver=47&Bto=M7-1362

Kennedy Space Center Site-Specific SPCC Plan Data

2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. None provided

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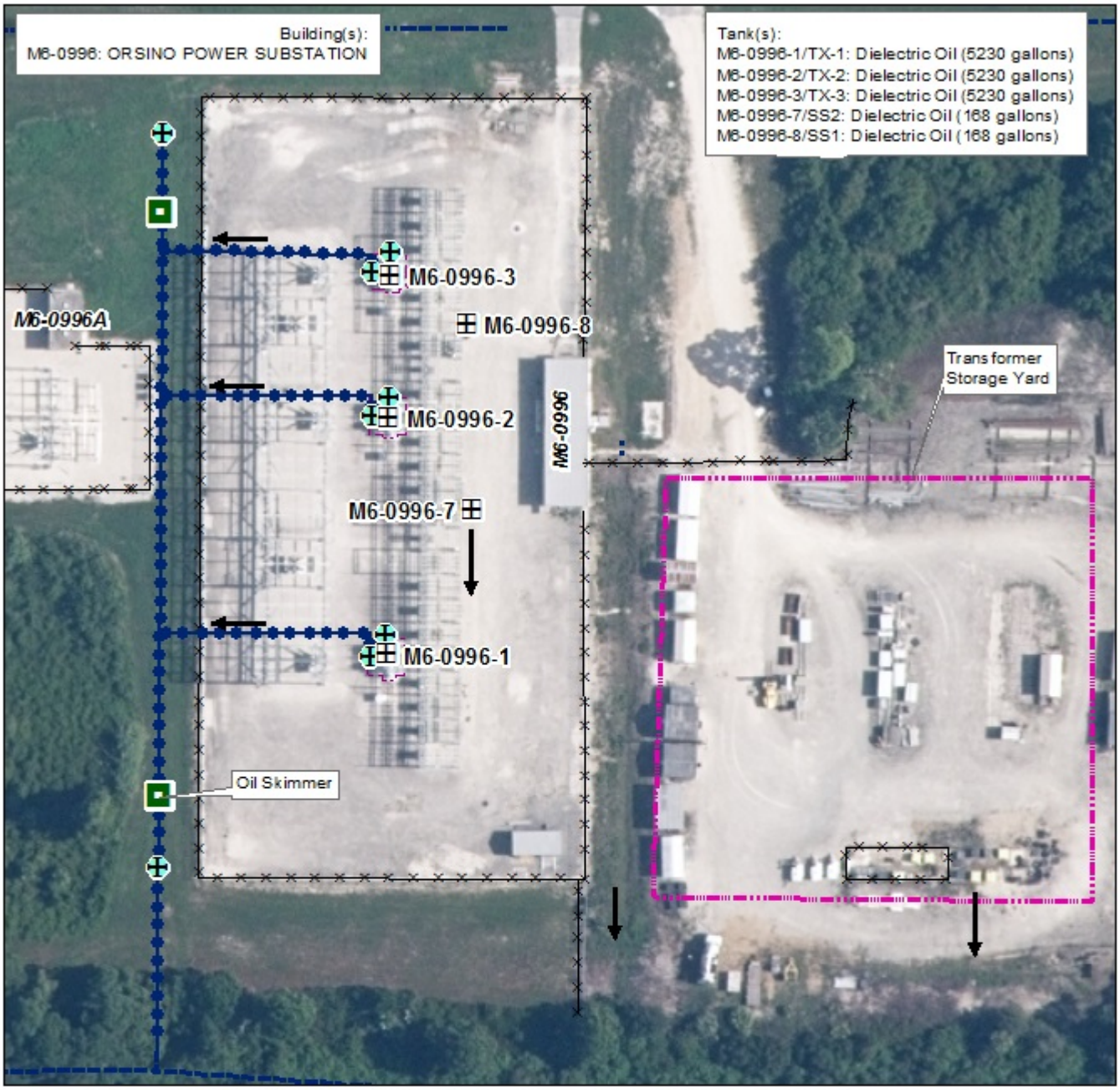
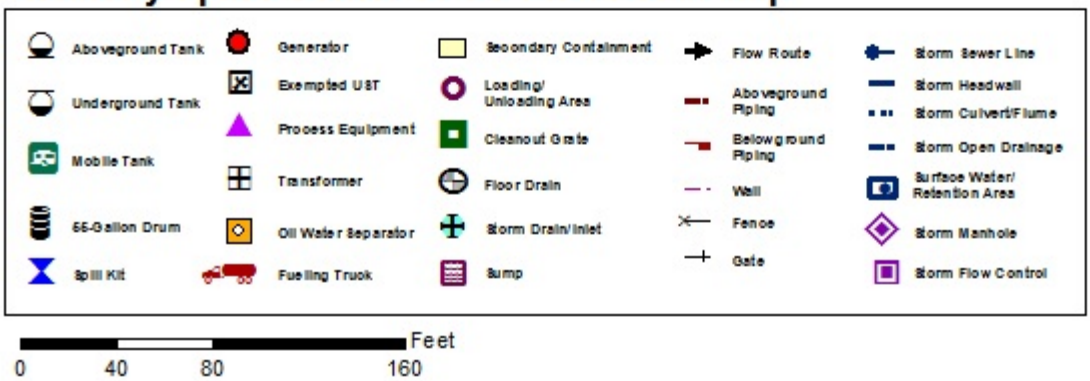
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #332
Dec 6, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-1629

Description: The primary function of this facility is providing compressed air to corrosion control operations including painting and blasting. Oil storage associated with this facility includes oil-filled process equipment.

Building/Site Name: CORROSION CONTROL COMPRESSOR BUILDING

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-1629-3**

Container Type: Process Equipment

Container Capacity: 90 Gallons

Materials Stored: Lube oil

Fail Safe Features: Visual Level indication

Spill response capability

Construction Details: Single walled steel tank

Date Installed: 04/01/2014

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete curbed floor

Secondary Containment Volume: >100 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Filled as needed by Compressed Air Shop.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment concrete basin is inspected for oil odor or sheen.

Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: Spill will be contained inside building by 6" concrete curb.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **M6-1629-4**

Container Type: Process Equipment

Container Capacity: 90 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Materials Stored:	Lube oil
Fail Safe Features:	Visual Level indication Spill response capability
Construction Details:	Single walled steel tank
Date Installed:	04/01/2014
Integrity Test Method:	Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Concrete curbed floor
Secondary Containment Volume:	>100 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Single-walled steel
Oil Fill and Transfer Details:	Filled as needed by Compressed Air Shop
Secondary Containment Drainage Procedure:	Any liquid accumulated in the floor of the secondary containment concrete basin is inspected for oil odor or sheen. Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.
Spill Route Details:	Spill will be contained inside building by 6" concrete curb.
Maximum Refueling/Vacuum Truck Capacity:	1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit
2. None provided

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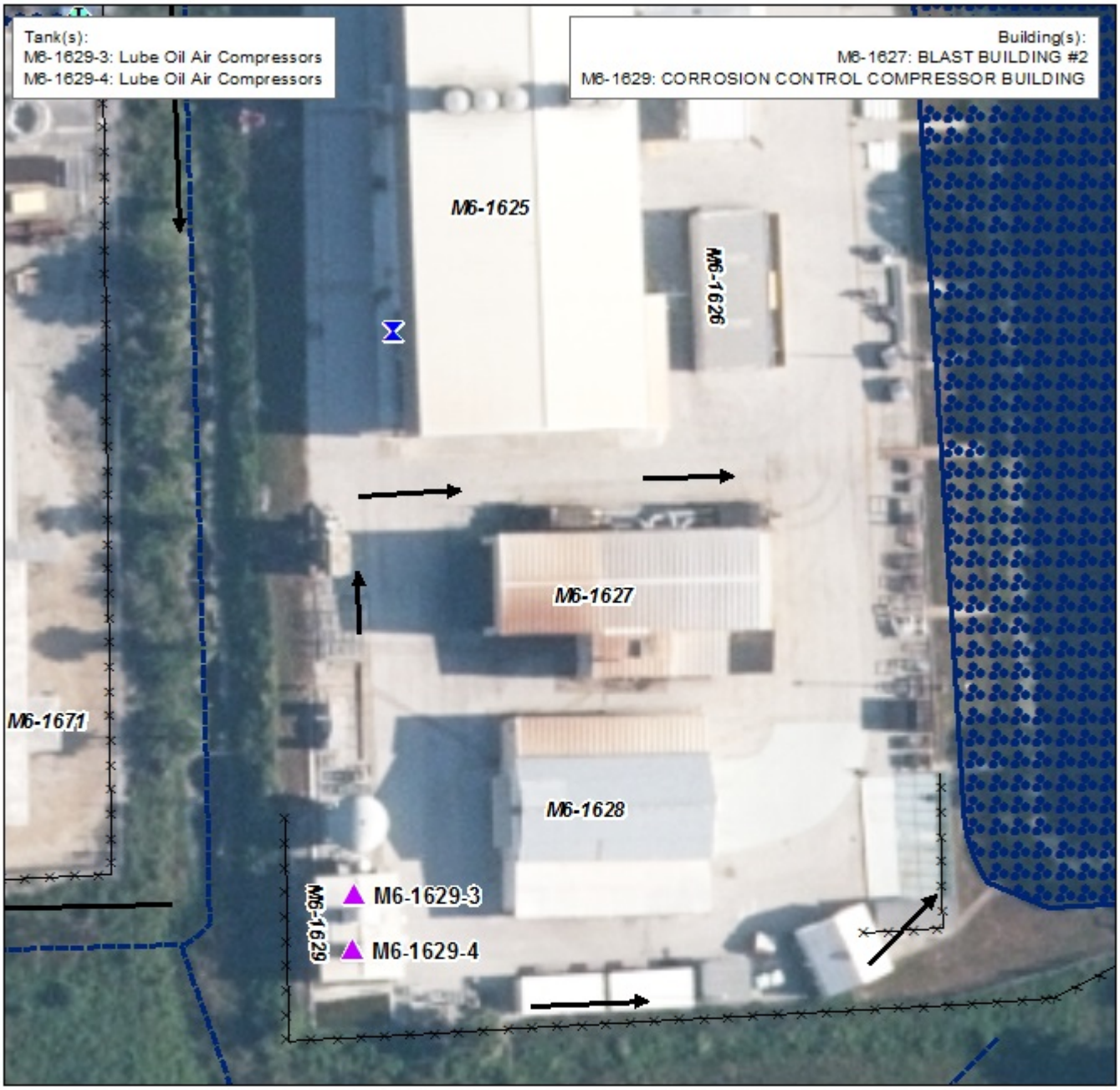
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #721
May 13, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-1671

Description: This facility is a centralized laydown area for the temporary storage of excess real property. Oil storage associated with the facility includes oil-filled process equipment and permanently closed bulk storage containers awaiting final disposal.

Building/Site Name: REUSE, RECYCLING AND MARKETING FACILITY (RRMF)

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-1671-1**

Container Type: Transformer

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: None provided

Construction Details: Single walled steel transformer tank

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: None provided

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: No oil fill or transfer operations occur at this facility.

Secondary Containment Drainage Procedure: Not applicable. No secondary containment provided.

Spill Route Details: A spill or leak from an SPCC regualted transformer would flow out onto the paved surface of the laydown area and into a nearby storm drain, then east into a stormwater drainage ditch. The 24 hour spill response team would be able to stop and collect a discharge in the ditch before it reaches navigable water.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 50 100 200 Feet

MAP #728
May 13, 2016

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0301

Description: Oil storage at this facility includes a diesel fuel aboveground storage tank, lubricating oils associated with an emergency generator system, and waste cooking oil stored in an aboveground tank.

Building/Site Name: KSC CENTRAL CAMPUS HEADQUARTERS

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0301-1**

Container Type: Aboveground Tank

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon valve

Automatic tank gauge

Direct vision clock gauge

Interstitial monitor

Spill bucket

Spill response capability

Construction Details: Double walled steel tank

Date Installed: 11/2017

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor. The tank is equipped with a spill bucket to contain small quantity spills occurring during fueling activities, and performed as per SPCC Plan (KSC-PLN-1919) Section 4.4.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Spills during tank filling operations and leaks from the single-walled piping segments would flow northwest on the concrete towards a storm drain that discharges into a ditch to the west. A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. Leaks exiting the secondary tank wall would flow northwest on the concrete towards a storm drain that discharges into a ditch to the west.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **M7-0301-2**

Container Type: Aboveground Tank

Container Capacity: 250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision float gauge

High level alarm

Interstitial monitor

Spill response capability

Construction Details: Double walled steel daytank

Date Installed: 11/2017

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >250 Gallons

Piping Type: Aboveground. A combination of flex lines and hard lines

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel, iron, and poly flex lines

Oil Fill and Transfer Details: This tank is filled on an as need basis by pumps that activate when a low level is reached. The fuel is transferred from the main 1500 gallon tank by aboveground single wall piping.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Spills during tank filling operations and leaks from the single-walled piping segments would exit the generator shelter and flow northwest on the concrete towards a storm drain that discharges into a ditch to the west. Leaks from the tank would be contained within the interstitial space between the primary tank and outer tank.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
3. Diesel fuel tanks are equipped with high level audible or visual alarms to prevent tank overfilling.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all stationary tanks storing fuel.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. Notify Supervisor and Facility Manager.
3. Cleanup with inhouse capability, if available.
4. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 15 30 60 Feet

MAP #340
Nov 9, 2020

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0355

Description: Oil storage associated with this building includes waste cooking oil associated with the building cafeteria, diesel fuel associated with emergency generators, and hydraulic oil associated with building elevators.

Building/Site Name: OPERATIONS AND CHECKOUT BLD

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0355-3**

Container Type: Elevator (601001)

Container Capacity: 168 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Double walled steel tank

Date Installed: 1964

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >168 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-4**

Container Type: Elevator (602001)

Container Capacity: 134 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details: Single walled steel tank

Date Installed: 1965

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >134 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-5**

Container Type: Elevator (603001)

Container Capacity: 134 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 1965

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >134 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

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Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-6**

Container Type: Elevator (604001)

Container Capacity: 134 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 1995

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >134 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-8**

Container Type: Elevator (605001)

Container Capacity: 227 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 1964

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >227 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

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Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-9**

Container Type: Elevator (606001)

Container Capacity: 227 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 1964

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >227 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-10**

Container Type: Elevator (607001)

Container Capacity: 483 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: N/A

Construction Details: Single walled steel tank

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Kennedy Space Center Site-Specific SPCC Plan Data

Date Installed: 1964

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >483 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-11**

Container Type: Hydraulic reservoir (609001)

Container Capacity: 168 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 1965

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >180 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Hydraulic oil is added to this equipment in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: Not applicable for hydraulic reservior. Unit is located within a building.

A release to the elevator pit would be collected in a sump and pumped to an appropriate container.

Spill Route Details: Leaks from the piston or piping would be contained in the elevator pit. Any leaks associated with the hydraulic elevator unit or occurring during filling activities would flow into a sump where an automated pump would discharge to the sanitary sewer.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-12**

Container Type: Hydraulic reservoir

Container Capacity: 168 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: None provided

Construction Details: Single walled steel tank

Date Installed: 1980

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >180 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on an as-needed basis by BOSS employees.

Secondary Containment Drainage Procedure: A release to the elevator pit would be collected in a sump and pumped to an appropriate container.

Not applicable for hydraulic reservior. Unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit, occurring during filling activities would be contained on the sealed concrete floor. Leaks from the piston would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0355-13**

Container Type: Aboveground Tank

Container Capacity: 500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Visual Level indication

Spill bucket

Interstitial monitor

Construction Details: Concrete vaulted tank

Date Installed: 03/14/15

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Kennedy Space Center Site-Specific SPCC Plan Data

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >500 gallons Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: Filled on-site as needed by KSC Fuels Contractor.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the tank would be contained in the interstice. An overflow during filling would drop on the concrete pad and flow north over the parking lot to a stormwater inlet.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.

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Kennedy Space Center Site-Specific SPCC Plan Data

3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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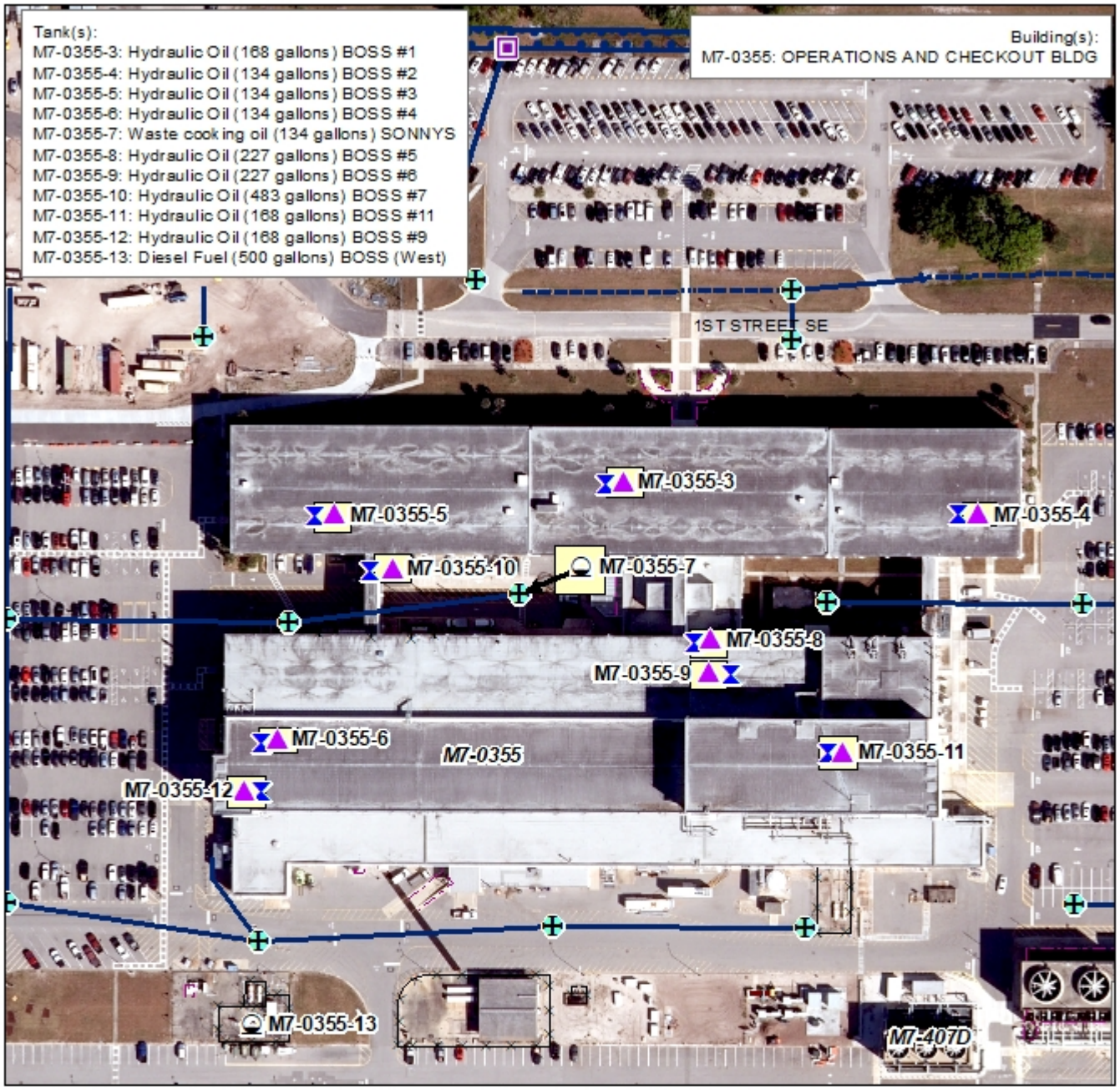
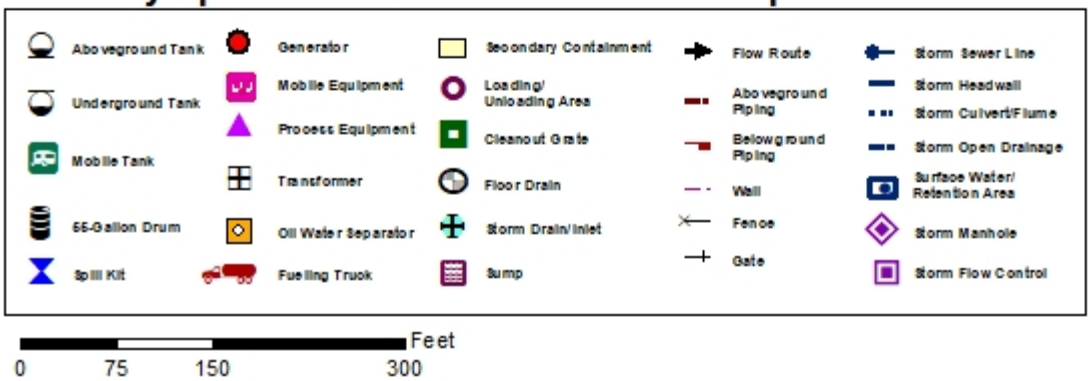


Kennedy Space Center SPCC Plan Detail Map



MAP #75
Jun 7, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0360

Description: Oil storage associated with this building includes fuel and oil tanks associated with emergency generators and hydraulic elevators. Cafeteria operations have been discontinued at this facility.

Building/Site Name: SPACE STATION PROCESSING FACILITY

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0360-1**

Container Type: Tank

Container Capacity: 1250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Atmospheric vent

Emergency vent

High level alarm

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 1600 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This generator tank is filled by the KSC fuels contractor on an as-needed basis.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the generator tank would be contained in the interstitial space between the primary and secondary tank walls. A spill occurring during tank filling operations or a tank leak exiting the secondary tank wall would flow out onto the unpaved surface and travel southeast towards a storm drain located southeast of the generator tank. The storm drainage system discharges to a wetlands area located south of Building M7-0360.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M7-0360-2**

Container Type: Tank

Container Capacity: 1000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Atmospheric vent

Emergency vent

High level alarm

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 1200 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This generator tank is filled by the KSC fuels contractor on an as-needed basis.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the generator tank would be contained in the interstitial space between the primary and secondary tank walls. A leak exiting the secondary tank wall or spill occurring during tank filling operations would flow out onto the unpaved surface and travel southeast towards a storm drain located southeast of the generator tank. The storm drainage system discharges to a wetlands area located south of building M7-0360.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Container: **M7-0360-3**

Container Type: Tank

Container Capacity: 250 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Construction Details: Double walled steel tank

Date Installed:

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >250 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This generator tank is filled by the KSC fuels contractor on an as-needed basis.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from the generator tank would be contained in the interstitial space between the primary and secondary tank walls. A tank leak exiting the secondary tank wall or a spill occurring during tank filling operations would flow out onto the paved surface either accumulate in the tank area or travel west towards a storm drain located at the end of the paved drive. The storm drainage system discharges to a wetlands area located south of building M7-0360.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M7-0360-4**

Container Type: Tank

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Atmospheric vent

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Kennedy Space Center Site-Specific SPCC Plan Data

Emergency vent

Construction Details: 3 double walled steel tanks manifolded together

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1500 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: These tanks are fueled by the KSC fuels contractor on an as-needed basis.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A spill occurring during tank filling operations, a pipe leak, or a tank leak would flow out onto the unpaved surface and travel southeast towards a storm drain located southeast of the generator tank. The storm drainage system discharges to a low lying vegetated area located south of Building M7-0360.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M7-0360-5**

Container Type: Elevator

Container Capacity: 240 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 10/01/2015

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >240 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on a as need basis by ISC employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0360-6**

Container Type: Elevator

Container Capacity: 240 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 10/01/2015

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >240 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on a as need basis by ISC employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0360-7**

Container Type: Elevator

Container Capacity: 143 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

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Kennedy Space Center Site-Specific SPCC Plan Data

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >143 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on a as need basis by ISC employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0360-8**

Container Type: Elevator

Container Capacity: 143 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >143 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on a as need basis by ISC employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Container:	**M7-0360-9**
Container Type:	Elevator
Container Capacity:	360 Gallons
Materials Stored:	Hydraulic oil
Fail Safe Features:	N/A
Construction Details:	Single walled steel tank
Date Installed:	10/01/2015
Integrity Test Method:	Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.
Secondary Containment Details:	Elevator located within building
Secondary Containment Volume:	>360 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Single-walled iron
Oil Fill and Transfer Details:	Hydraulic oil is added to this elevator in small quantities on a as need basis by ISC employees.
Secondary Containment Drainage Procedure:	Not applicable. Elevator unit is located within a building.
Spill Route Details:	Any leaks associated with the hydraulic elevator unit or occurring during filling activities would be contained within the elevator room. Leaks in pistons would be contained within the elevator pit.
Maximum Refueling/Vacuum Truck Capacity:	N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit

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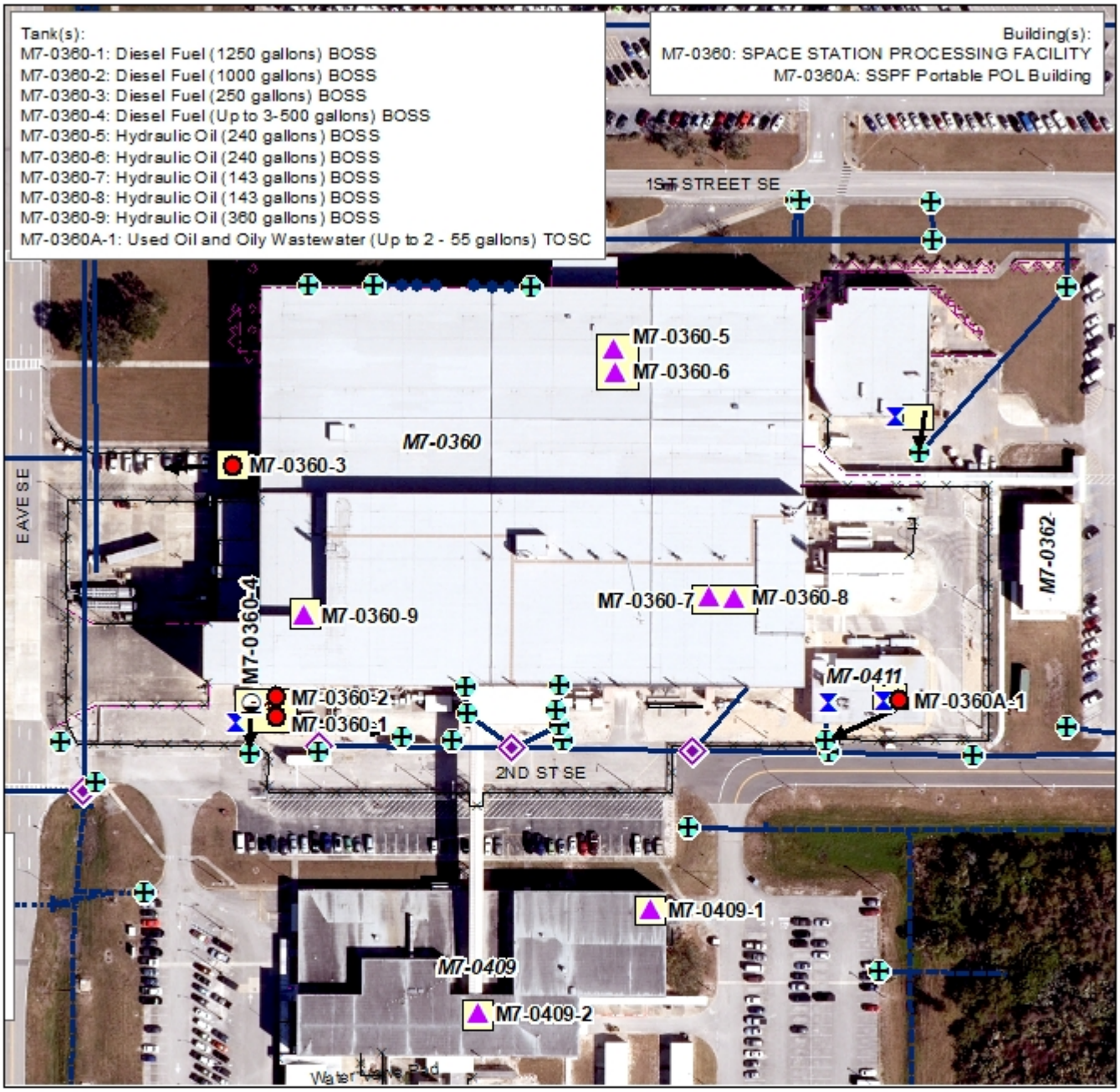
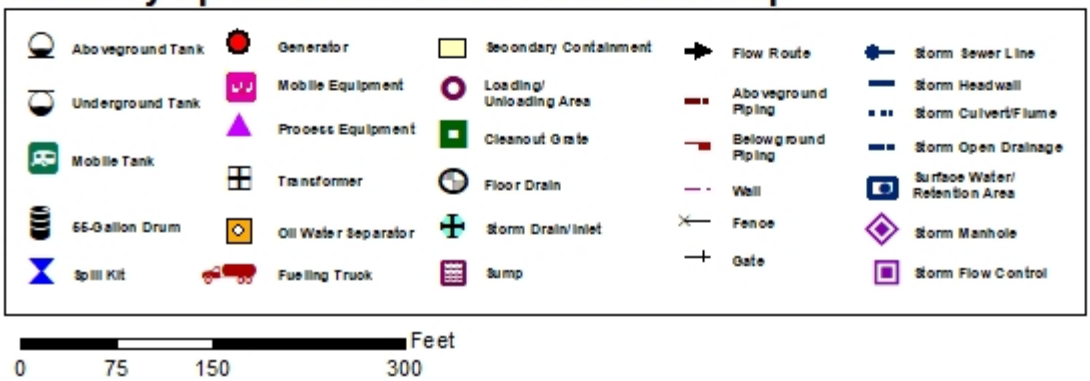
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #308
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0407A

Description: New and used oil storage associated Industrial Area Chilled Water Plant.

Building/Site Name: INDUSTRIAL AREA CHILLED WATER PLANT

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0407A-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 5 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: > 55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred into the 55-gallon drum by manually pouring from small containers within the portable secondary containment building. New oil is dispensed into small containers within the portable secondary containment building.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Spills from 55-gallon drums would be contained within the portable secondary containment building. Overflows from the portable secondary containment would flow north onto the pavement and toward a storm drain to the east.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for oil transfer operations.
6. The oil storage area is located within secondary containment.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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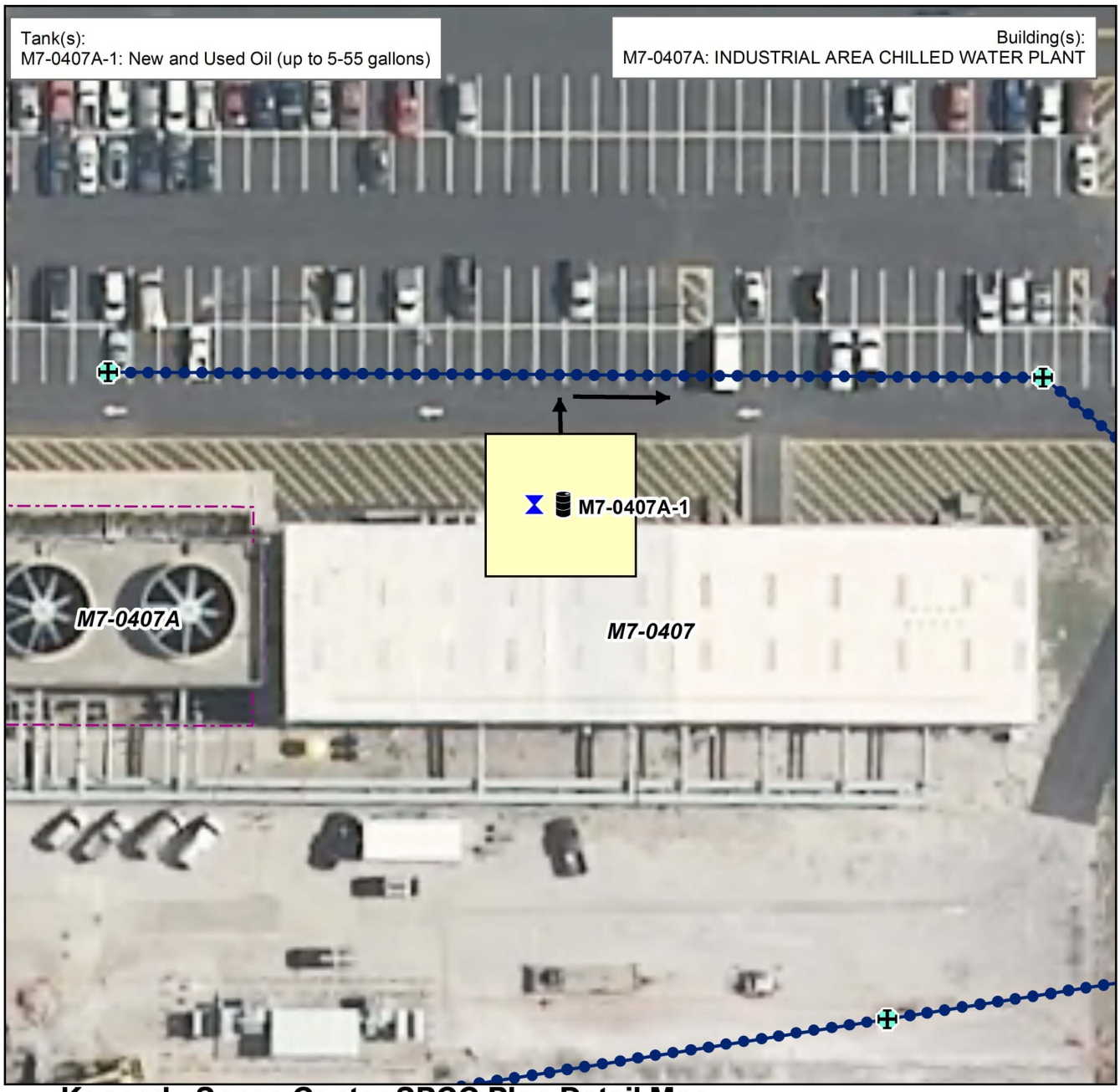
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #300
Dec 6, 2013

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0409

Description: Oil storage at this facility consists of a hydraulic oil reservior associated with the building elevator.

Building/Site Name: ENGINEERING DEVELOPMENT LAB

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0409-1**

Container Type: Elevator

Container Capacity: 195 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision of fluid level

Construction Details: Single walled steel tank

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >195 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Small amounts of oil are added to the elevator hydraulic reservior on an as-needed basis by ISC employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: Any leaks from the elevator hydraulic reservior, system piping, or during oil transfer activities would be contained within the elevator room. A leak form a piston would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0409-2**

Container Type: Elevator

Container Capacity: 143 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision of fluid level

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Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details:	Single walled steel tank
Date Installed:	Unknown
Integrity Test Method:	Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.
Secondary Containment Details:	Elevator located within building
Secondary Containment Volume:	>143 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Single-walled steel
Oil Fill and Transfer Details:	Small amounts of oil are added to the elevator hydraulic reservior on an as-needed basis by ISC employees.
Secondary Containment Drainage Procedure:	Not applicable. Elevator unit is located within a building.
Spill Route Details:	Any leaks from the elevator hydraulic reservior, system piping, or during oil transfer activities would be contained within the elevator room. A leak form a piston would be contained within the elevator pit.
Maximum Refueling/Vacuum Truck Capacity:	N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.

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Kennedy Space Center Site-Specific SPCC Plan Data

4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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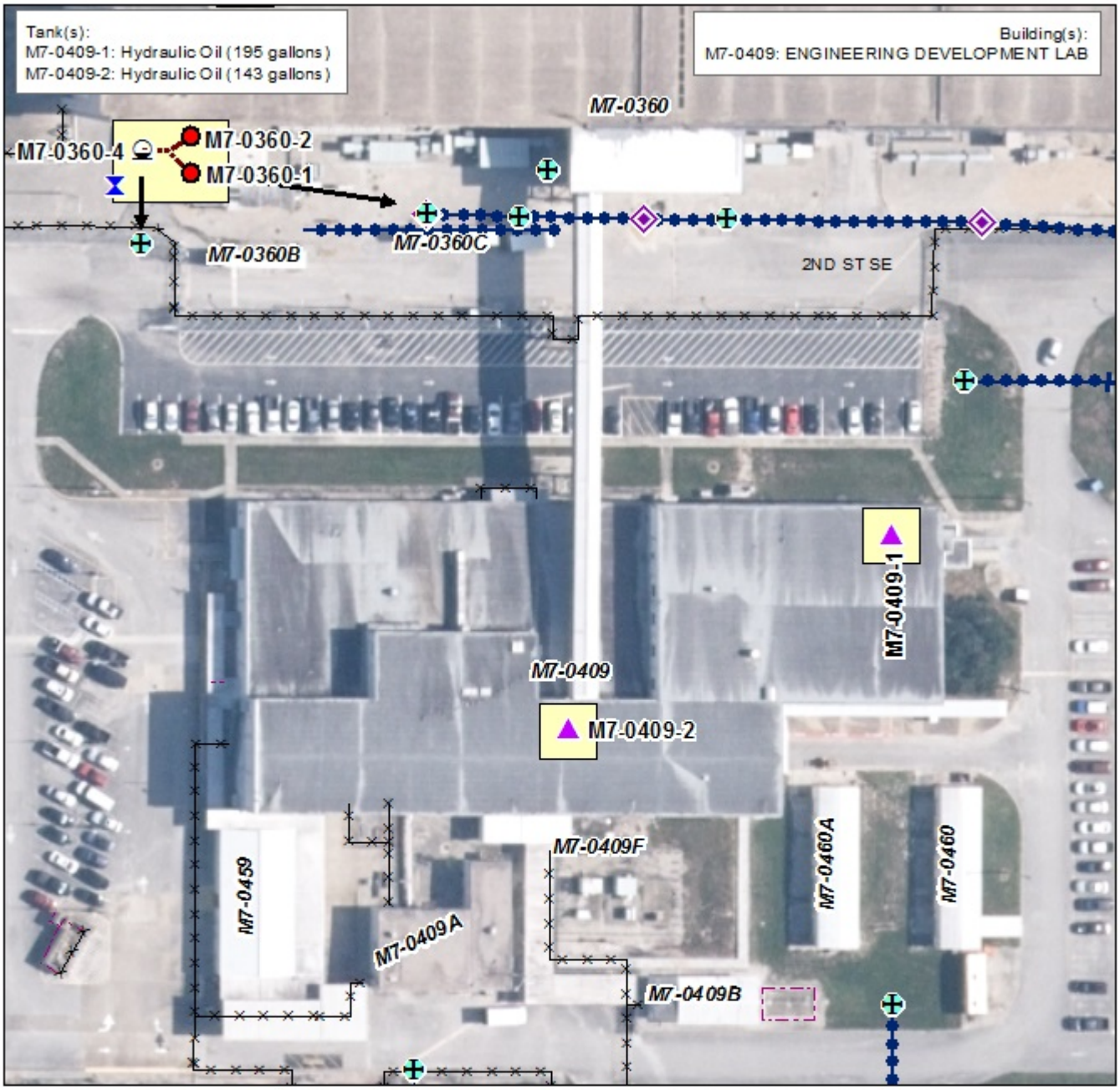
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 40 80 160 Feet

MAP #732
May 13, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0531

Description: Oil storage at this facility includes an emergency generator fuel tank storing diesel fuel.

Building/Site Name: BANANA RIVER REPEATER STATION

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0531-1**

Container Type: Aboveground Tank

Container Capacity: 100 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Atmospheric vent

Direct vision level gauge on tank

Emergency vent

Spill response capability

Construction Details: Double walled steel belly tank

Date Installed: 01/01/2005

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3, utilizing criteria from Table 4.4 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >110 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Filled as needed by KSC Fuels Contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A release from the belly tank will fall onto the asphalt under the generator and will flow either to the north to the secondary containment for the transformer or to the northeast into the dirt for subsequent cleanup by the KSC 24 hour spill response team.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan.
2. Containers are kept closed when not in use.
3. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Mobile or portable oil storage containers are provided with secondary containment.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.
3. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
5. Notify Supervisor and Facility Manager.
6. Cleanup with inhouse capability, if available.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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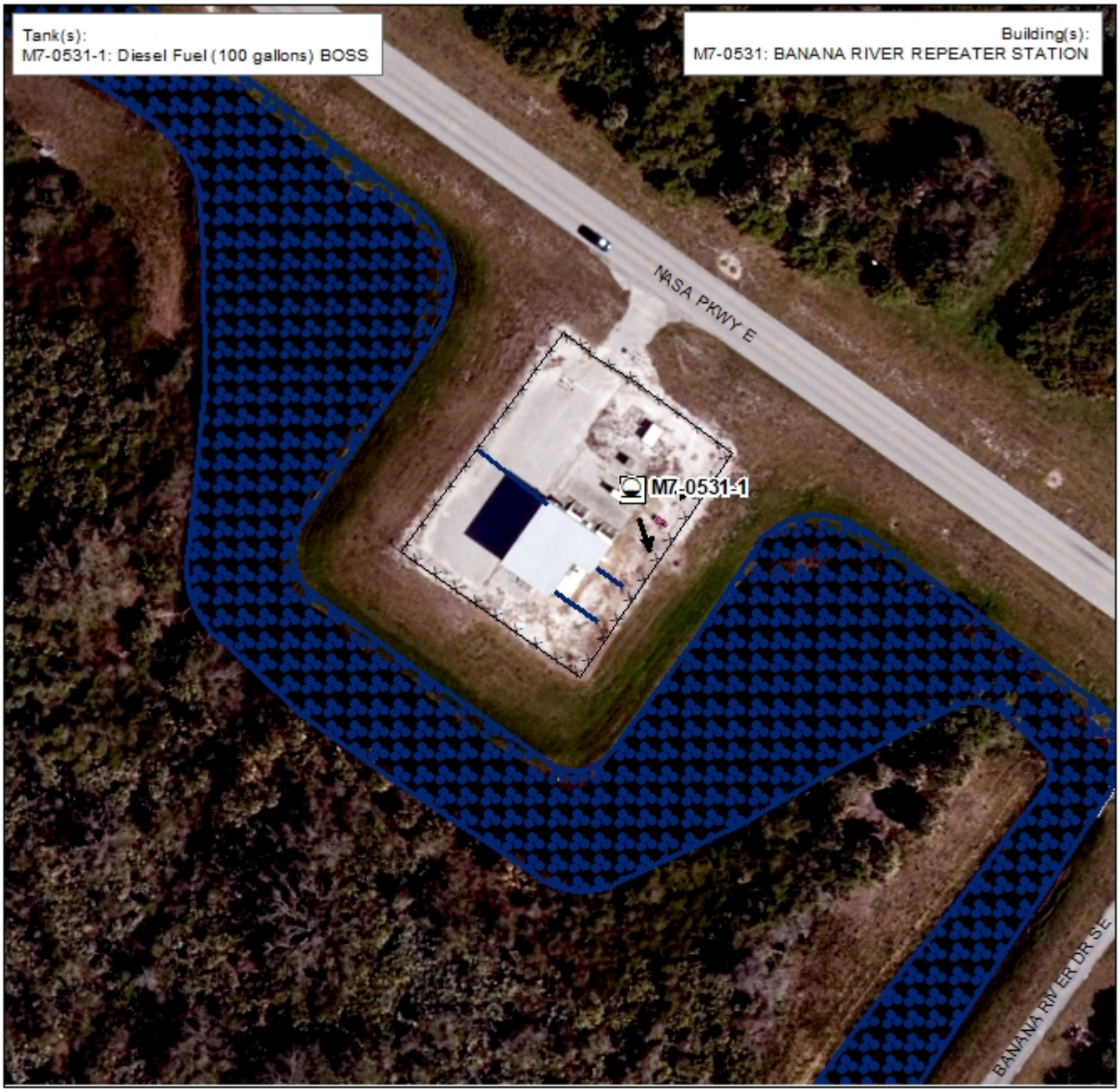
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

0 40 80 160 Feet

MAP #733
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0555A

Description: Oil storage associated with this facility includes oil stored in 55-gallon drums.

Building/Site Name: EQUIPMENT SHELTER

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0555A-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 9 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: None provided

Construction Details: Steel drum

Date Installed: 10/27/15

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >120 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is manually transferred from drums into small containers. Used oil is manually added to waste drums. The used oil drums are pumped out by KSC vacuum truck on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment pallet is inspected for oil odor or sheen.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A spill or leak from a drum during transfer or storage would be contained in secondary containment (spill pallet or metal POL). Oil that escapes the secondary containment would be released onto the concrete, flow to the adjacent soil and be absorbed. The 24 hour spill response team would be adequate to address any release before it could reach navigable water.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.
3. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Cleanup with inhouse capability, if available.
4. Notify supervisor or facility manager who will follow the procedures outlined below.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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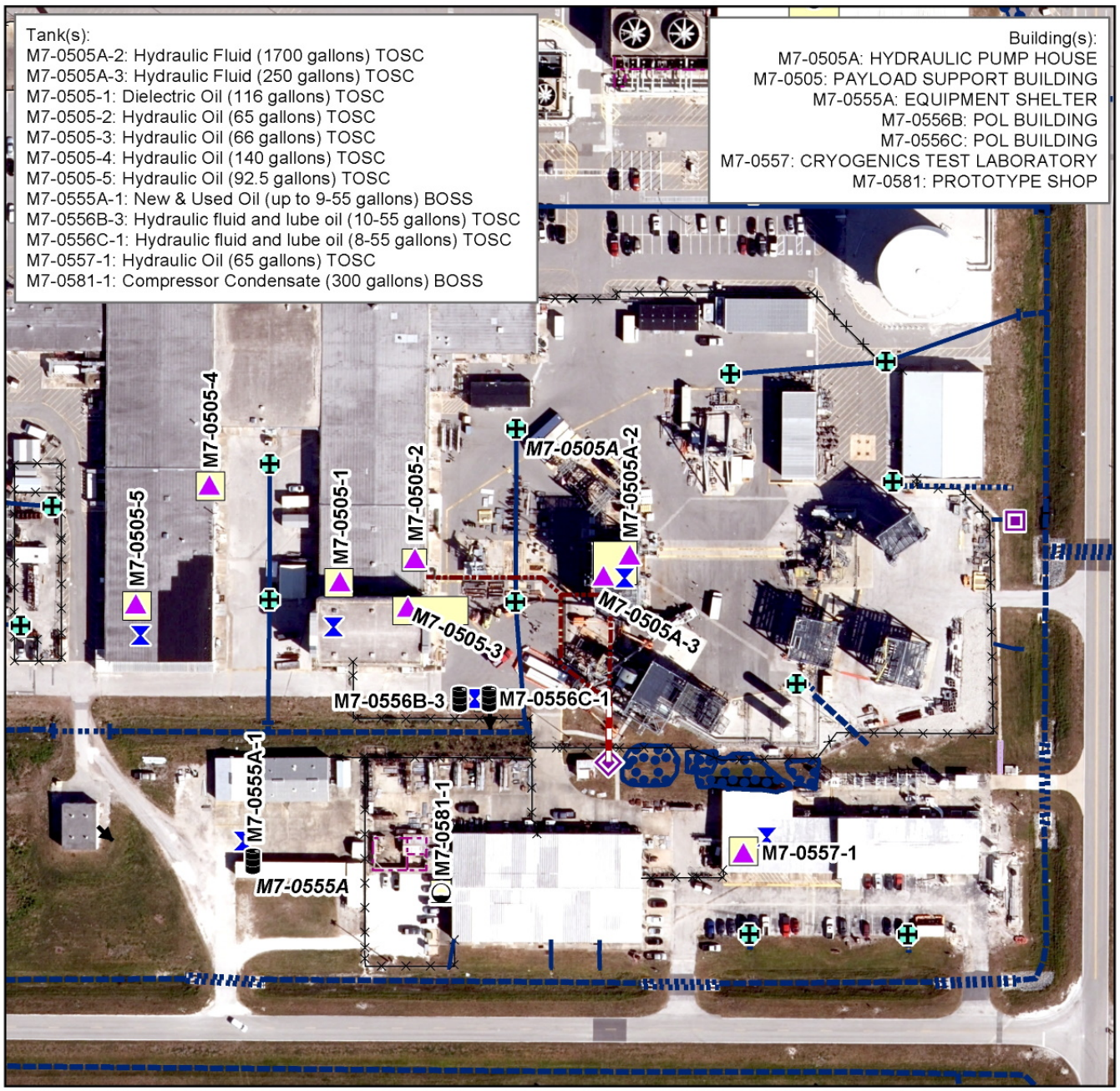
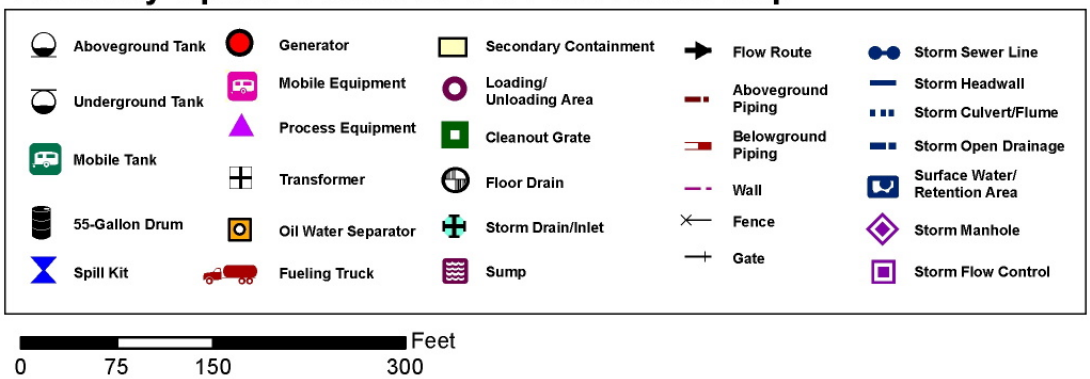
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #93
May 28, 2020

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0581

Description: Oil storage at this facility consists of oily wastewater generated by the operation of an air compressor. The air compressor is used to support prototype development work.

Building/Site Name: PROTOTYPE SHOP

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0581-1**

Container Type: Aboveground Tank

Container Capacity: 300 Gallons

Materials Stored: Compressor condensate

Fail Safe Features: Call for pump out at 75% full

Direct vision of fluid level

Spill response capability

Construction Details: Double walled polyethylene tank

Date Installed: Aug 2018

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >330 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: Compressor condensate is automatically discharged to this tank by the operation of an air compressor. The tank is emptied on an as-needed basis.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Due to the slow rate of oily condensate production, discharges from the small diameter piping would most likely pool on the concrete pad surrounding the container. A leak from the tank would be contained within the interstitial space between the primary and secondary tank walls. A discharge from the secondary tank would flow to the concrete floor and into adjacent soil and travel south to a stormwater ditch.

Maximum Refueling/Vacuum Truck Capacity: 3400 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan.
2. Containers are kept closed except when in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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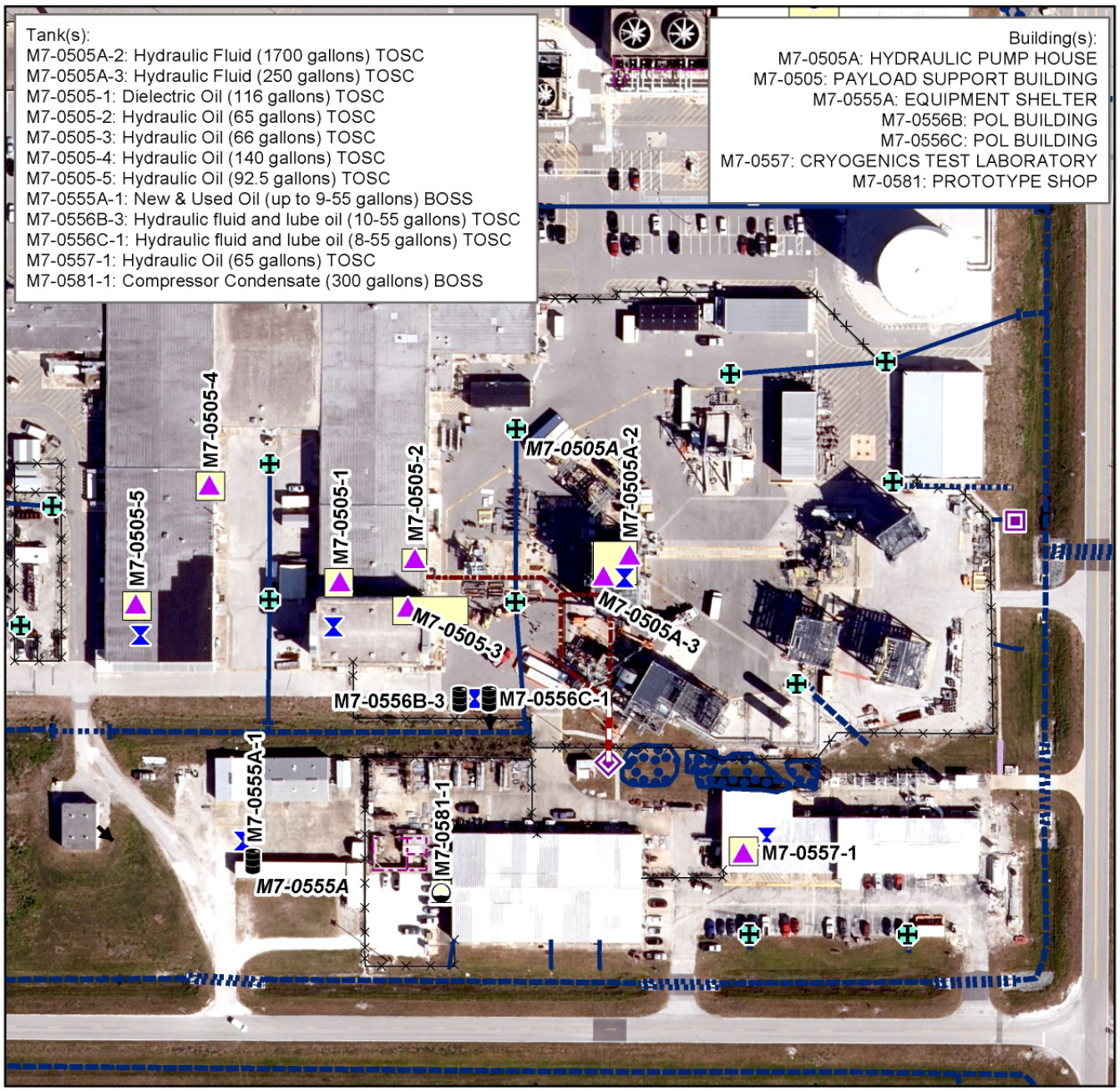
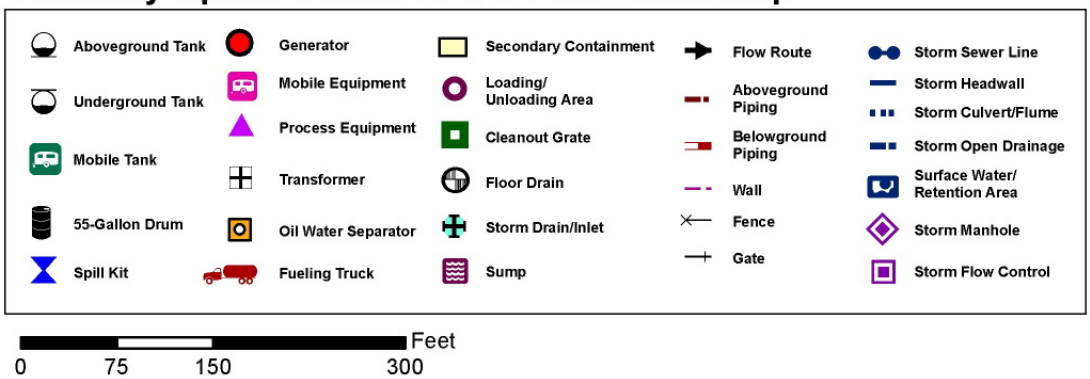
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #93
May 28, 2020

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0777

Description: Payload transferring equipment is maintained and rotated at this facility.

Building/Site Name: TRANSPORTER/CANISTER FACILITY

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0777-2**

Container Type: Elevator

Container Capacity: 72 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed:

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: >72 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Hydraulic oil is added to this elevator in small quantities on a as need basis by ISC employees.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak from the hydraulic elevator unit or spill occurring during filling operations would flow out onto the concrete floor surface of the elevator room and be contained within the building. Leaks in pistons would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.

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Kennedy Space Center Site-Specific SPCC Plan Data

4. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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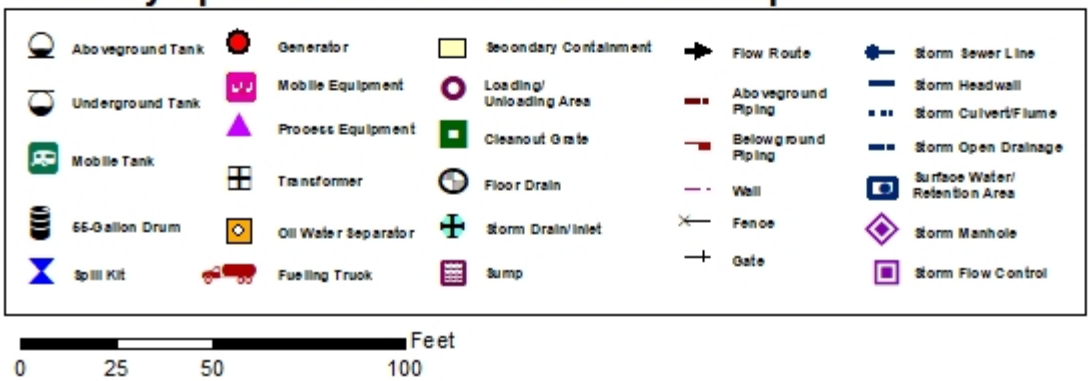
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map



MAP #318
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-1104

Description: Oil storage at this facility consists of a diesel-powered emergency generator system and fuel tank.

Building/Site Name: MULTI-PAYLOAD PROCESSING FAC.

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-1104-1**

Container Type: Aboveground Tank

Container Capacity: 500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision clock gauge

Spill bucket

Spill response capability

Interstitial monitor and alarm

Anti-siphon valve on piping

Construction Details: Double walled steel tank

Date Installed: 2016

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >550 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: This tank is refilled by the KSC fuel contractor on an as-needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary tank walls. A discharge from the secondary tank would flow to the concrete floor and into adjacent soil and be cleaned up by the spill response team. A leak or a spill occurring during fueling operation would flow out onto the concrete and travel east towards a grassy area and into a stormwater ditch.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-1104-2**

Container Type: Aboveground Tank

Container Capacity: 100 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Spill response capability

High level alarm

Interstitial monitor and alarm

Construction Details: Double walled steel daytank

Date Installed: 2016

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >110 Gallons

Piping Type: Aboveground. A combination of flex lines and hard lines

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel, iron, and poly flex lines

Oil Fill and Transfer Details: The generator day tank is automatically filled from the 500-gallon tank by a pump activated by low and high level switches. If the high level switch fails to turn off the pump, overfill piping will direct the fuel back to the 500-gallon tank. The 500-gallon tank is also equipped with an anti-siphon valve which would prevent the release of the entire contents of the tank.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary tank walls. A discharge from the secondary tank would flow to the concrete floor and into adjacent soil and be cleaned up by the spill response team.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Place spill containment devices between the spill and the nearest storm drainage channel.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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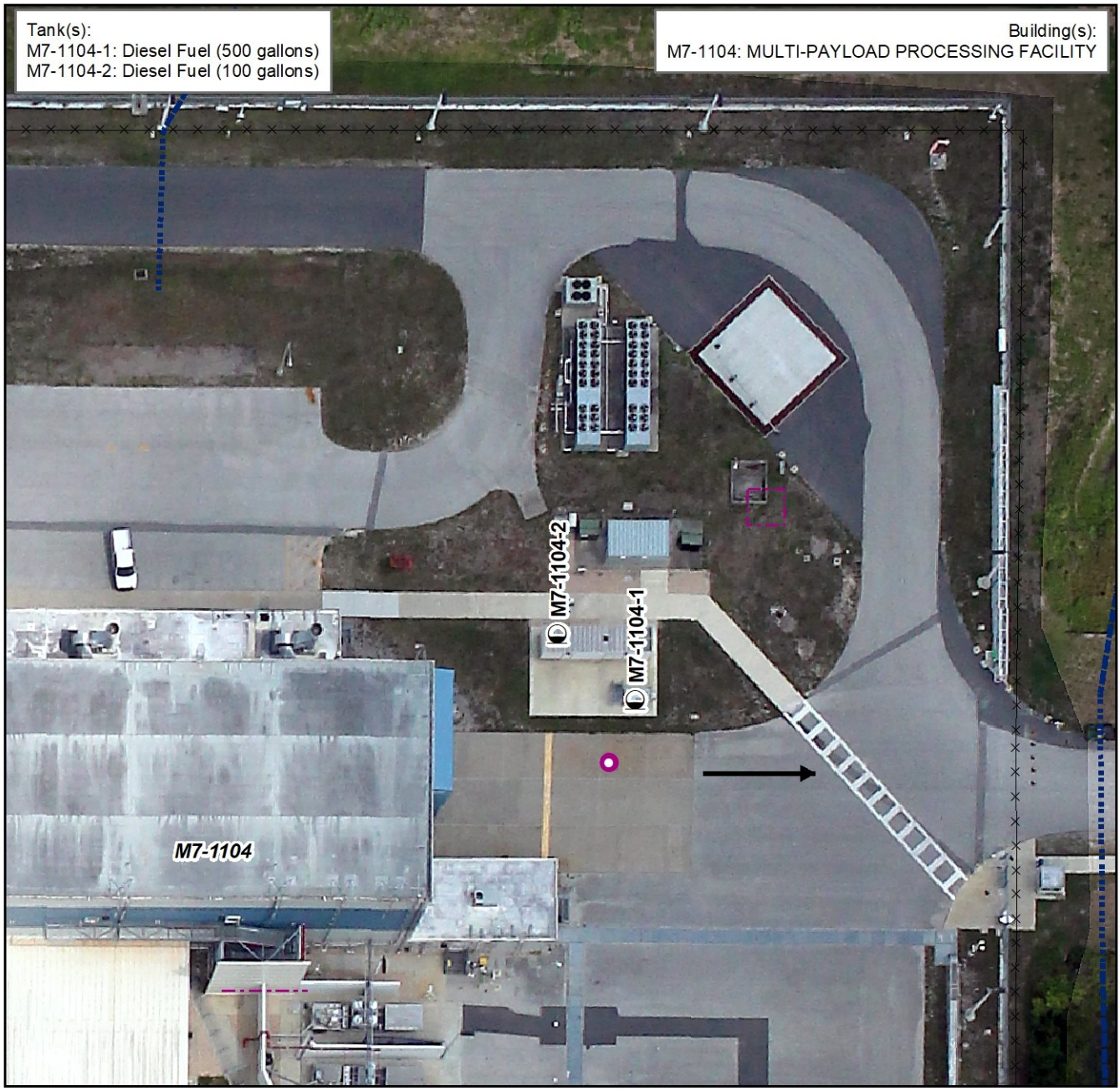
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #800
Nov 19, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-1354

Description: Oil storage at this facility consists of a diesel-powered emergency generator system and fuel tank.

Building/Site Name: PAYLOAD HAZARDOUS SERVICE BLD

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-1354-1**

Container Type: Aboveground Tank

Container Capacity: 2500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon valve

Automatic overfill shut off valve

Leak detection system

Direct vision gauge on tank

Atmospheric vent

Emergency vent

Construction Details: Concrete vaulted tank

Date Installed: Oct-10

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >2500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is fueled on an as-needed basis by the KSC fuels contractor. The tank is equipped with an internal overfill prevention valve and a tight-fill fuel port check valve.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leakage from this tank would be contained within the interstitial wall between the primary and secondary containment tank. A spill during tank filling operations or leaks from the secondary tank would flow onto the concrete pad and surrounding gravel. Leaks from aboveground piping would be limited to less than 25 gallons due to the anti-siphon valve. Any discharge from the single-walled piping would collect on the concrete pad and surrounding gravel and flow southeast across soil toward a low point leading to a stormwater ditch. All discharges would be cleaned up by the 24 hour spill response team from the soil or ditch. If very large spill occurred, the ditch leads to the Region 1 Stormwater Detention Pond which is equipped with a skimmer structure that would hold any release until the 24 hour spill team could respond and clean up the spill.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M7-1354-2**

Container Type: Aboveground Tank

Container Capacity: 500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: High level alarm, interstitial monitor

Automatic overfill shut off valve

Construction Details: Double walled steel daytank

Date Installed: Oct-10

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This daytank is fed automatically from the 2,500 gallon main fuel tank. The tank is also equipped with a high-level flow shut-off valve.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

An alarm sounds if liquid is detected in the interstitial space of the tank.

Spill Route Details: A spill from the daytank would fow out onto the concrete foundation and into the surrounding gravel and soil.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. None provided

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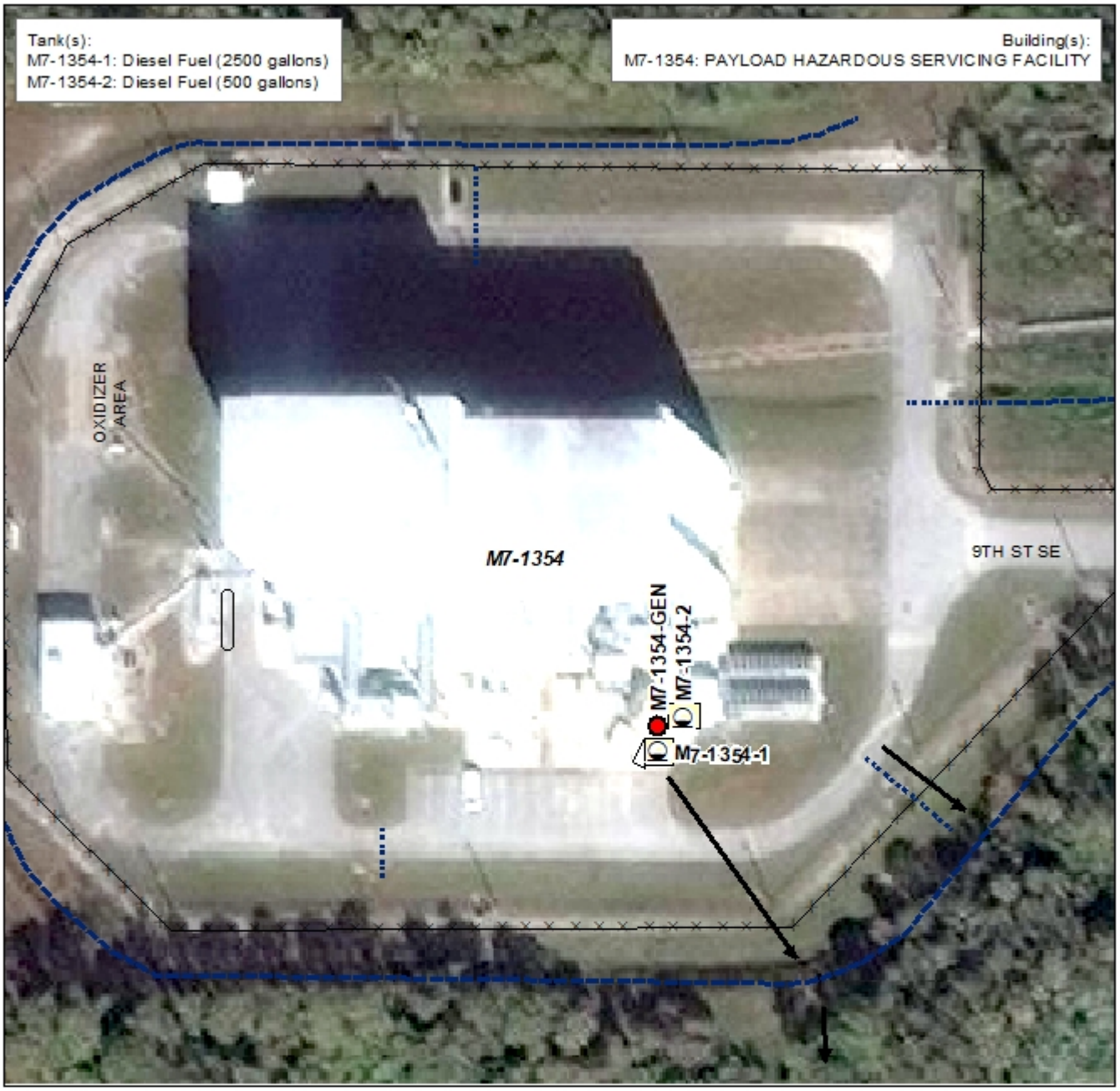
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 100 200 400 Feet

MAP #119
Apr 30, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-1362

Description: Oil storage associated with this facility includes engine lube oil reservoirs, and diesel fuel stored in aboveground tanks.

Building/Site Name: HMF PUMP STATION

Operator: BOSS

Environmental Contact: 867-0478

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-1362-4**

Container Type: 55-Gallon Drum

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: Lube oil and used oil

Fail Safe Features: None

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment tub

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Lube oil is transferred to this facility in 55-gallon drums.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from a drum inside the facility would flow onto the concrete floor and remain inside the pump house until the base operations contractor or the 24 hour spill response team could clean up the spill.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Container: **M7-1362-5**

Container Type: Tank (T-1)

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Pneumatic activator on piping only allows fuel into the pipe when the engine is operating

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed: Unknown

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: These tanks are filled by the KSC fuels contractor on an as-needed basis. The tank fill area is located east of the tanks. Since the pneumatic valves on the piping are shut when the engines are not running, potential discharges from a piping failure are greatly reduced. The only fuel that would spill would be residual fuel in the piping and that would flow out onto the concrete floor surface.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. Any discharge from the single-walled piping outside of the facility would collect on the soil and remain until the 24 hour spill response team could clean up the area. Any spill from the piping inside the facility would remain inside until the base operations contractor or the 24 hour spill response team could clean up the spill. Any leak or spill during tank filling operations or a leak that escapes the tank secondary containment would flow out onto the ground surface and flow north onto the soil where it could be cleaned up by the 24 hour spill response team.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M7-1362-7**

Container Type: Process Equipment (Engine 3)

Container Capacity: 60 Gallons

Materials Stored: Lube oil

Fail Safe Features: N/A

Construction Details: Single walled steel lube oil reservoir

Date Installed: Unknown

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >60 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by transferring oil from 55-gallon drums into the tank.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A leak from the engine oil reservoir inside the facility would flow onto the concrete floor and remain inside the pump house until the base operations contractor or the 24 hour spill response team could clean up the spill.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-1362-8**

Container Type: Tank (T-2)

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Pneumatic activator on piping only allows fuel into the pipe when the engine is operating

Direct vision gauge

Atmospheric vent

Emergency vent

Construction Details: Double walled steel tank

Date Installed: Unknown

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Kennedy Space Center Site-Specific SPCC Plan Data

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >1500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: These tanks are filled by the KSC fuels contractor on an as-needed basis. The tank fill area is located east of the tanks. Since the pneumatic valves on the piping are shut when the engines are not running, potential discharges from a piping failure are greatly reduced. The only fuel that would spill would be residual fuel in the piping and that would flow out onto the concrete floor surface.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from the tank would be contained within the interstitial space between the primary and secondary walls of the tank. Any discharge from the single-walled piping outside of the facility would collect on the soil and remain until the 24 hour spill response team could clean up the area. Any spill from the piping inside the facility would remain inside until the base operations contractor or the 24 hour spill response team could clean up the spill. Any leak or spill during tank filling operations or a leak that escapes the tank secondary containment would flow out onto the ground surface and flow north onto the soil where it could be cleaned up by the 24 hour spill response team.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Containers are kept closed except when in use.
4. Diesel fuel tank is equipped with high level audible, visual alarms, and level gauges to prevent tank overfilling.
5. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
6. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

7. Secondary containment is provided for all drums storing new oil.
8. Secondary containment is provided for all tanks storing fuel and oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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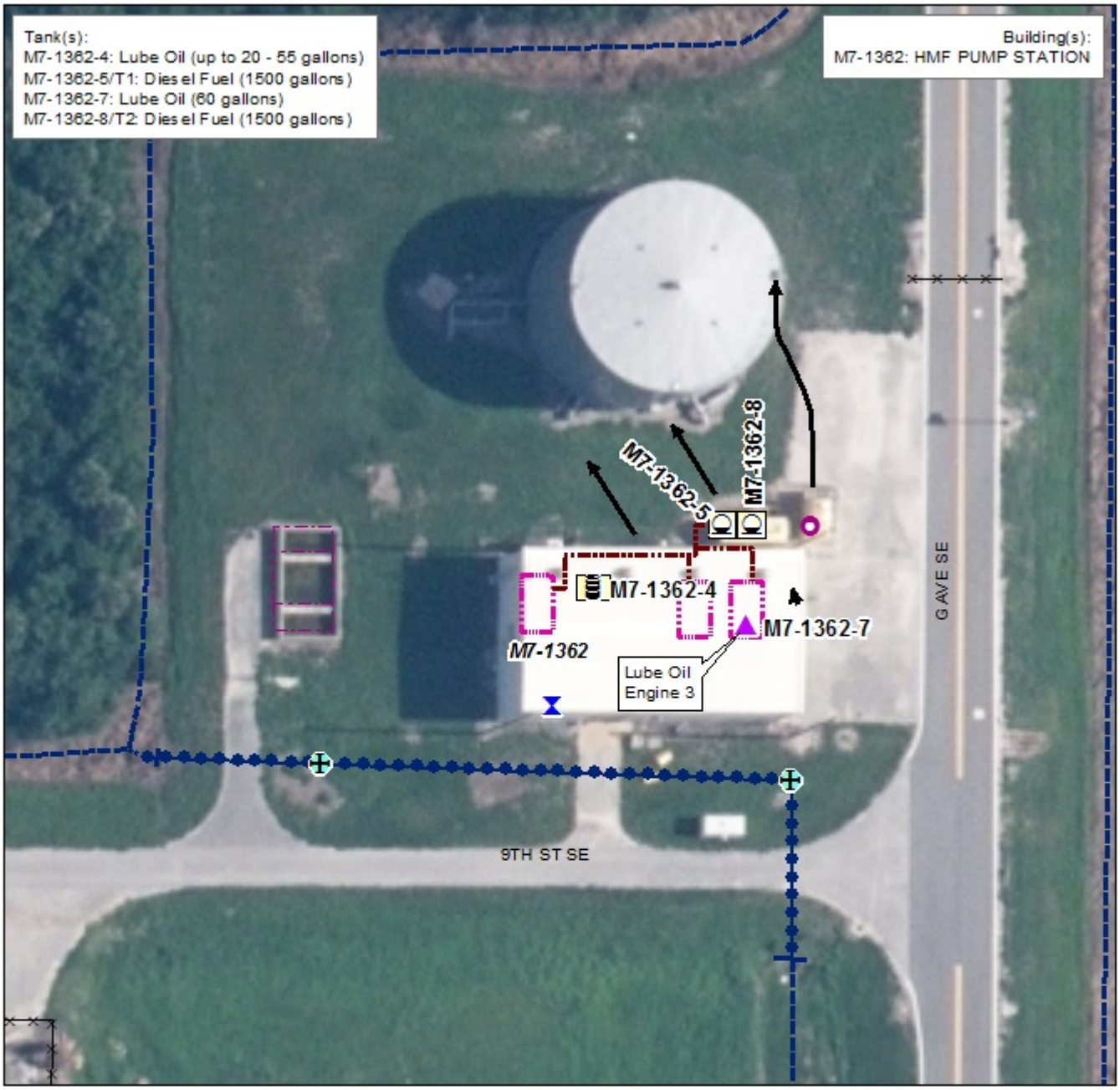
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

Feet
0 25 50 100

MAP #324
May 13, 2016

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RELEASED - Printed documents may be obsolete; validate prior to use.

B-2 Test Operations Support Contract (TOSC)

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0545

Description: Oil storage at this facility consists of hydraulic oils and diesel fuel used in Spacecraft Transporter Equipment.

Building/Site Name: TRANSPORTER STORAGE WAREHOUSE

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0545-8**

Container Type: Mobile Tank

Container Capacity: 255 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Double walled tank

Date Installed: 02/20/2019

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 280 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A spill or leak from the main tank would be contained in the secondary tank. A spill or leak during fueling operations would depend on the location at the time of fueling. The most likely release would be minor and the fueling operator would clean up the release and notify KSC spill response team.

Maximum Refueling/Vacuum Truck Capacity: 280 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

Feet
0 35 70 140

MAP #727
Jun 23, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0546-ML

Description: Oil Storage associated with this fiacility includes reservoirs for hydraulic fluid associated with three Mobile Launch Platforms (MLP's).

Building/Site Name: MLP REFURBISHMENT FACILITY

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0546-ML-1**

Container Type: Hydraulic reservoir

Container Capacity: 800 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: Visual Level indication

Construction Details: 3 single-walled steel tanks (1-600-gallon hydraulic reservoir, and 2- 100-gallon hydraulic pump units)

Date Installed: 05/01/2018

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Secondary containment drip pans are located under the two hydraulic pump units and one reservoir. All three drip pans drain to the hydraulic waste tank (SPCC Plan ML-1-2) located on Level B.

Secondary Containment Volume: >600 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as- needed basis using 55-gallon drums.

Secondary Containment Drainage Procedure: Drip pans and emergency drain tank are checked for the presence of oil.

Any accumulated liquids are removed using spill kit materials, and properly disposed of in accordance with KNPR 8500.1.

Spill Route Details: A leak from the hydraulic pump units or reservoir would drain into the drip pans. The drip pans drain to the hydraulic waste tank (SPCC Plan ML-1-2). The hydraulic waste container will be drained as needed.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **K6-0546-ML-2**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type:	Aboveground Tank
Container Capacity:	550 Gallons
Materials Stored:	Hydraulic fluid
Fail Safe Features:	Visual Level indication
Construction Details:	Double walled steel tank
Date Installed:	05/01/2018
Integrity Test Method:	Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan. Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Double walled tank
Secondary Containment Volume:	>550 Gallons
Piping Type:	Aboveground
Corrosion Protection:	N/A
Piping Details:	Single-walled stainless steel
Oil Fill and Transfer Details:	This tank is used as overflow storage from the Hydraulic units in the HAASP system and periodically from Bleed Kits and Test Sets/Booster servicing associated with the TTHS. The tank will be drained as needed.
Secondary Containment Drainage Procedure:	Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor. If deemed to be free of oil, accumulated liquid is discharged to the ground surface. If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.
Spill Route Details:	A leak from this tank would be contained within the interstitial space between the primary and secondary tank. A large leak from the interstitial space would fall to the floor area around the tank. Depending on the volume of spill, the Mobile Launcher floor seams may allow a leak through the structure to a containment area below. If a spill occurs, the containment area can be pumped out through a trap door.
Maximum Refueling/Vacuum Truck Capacity:	1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

RELEASED - Printed documents may be obsolete; validate prior to use.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Cleanup with inhouse capability, if available.
6. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Large spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 50 100 200 Feet

MAP #602
Jun 1, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0743A

Description: Oil storage associated with this facility includes new and used oil stored in 55-gallon drums and aboveground tanks.

Building/Site Name: CRAWLER PARKING AREA HAZ WASTE STAGING BLD/PORTABLE

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0743A-1**

Container Type: 55-Gallon Drum (Conex A)

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to and from this facility in 55-gallon drums. Up to 20 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills or leaks from drums containing oil in this building would be contained within the secondary containment floor of the building. Any spills exiting the floor of the building would flow out onto the unpaved ground surface and travel west towards an open storm water drainage ditch. This ditch discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0743A-2**

Container Type: Aboveground Tank

Container Capacity: 150 Gallons

Materials Stored: Used oil

Fail Safe Features: Direct vision of fluid level

Construction Details: Single walled steel tank

Date Installed: Oct-11

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >150 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil filters are placed within this tank to drain residual oil.

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Spills or leaks would be contained within the secondary containment floor of the building. Any spills exiting the floor of the building would flow out onto the unpaved ground surface and travel west towards an open storm water drainage ditch. This ditch discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums storing used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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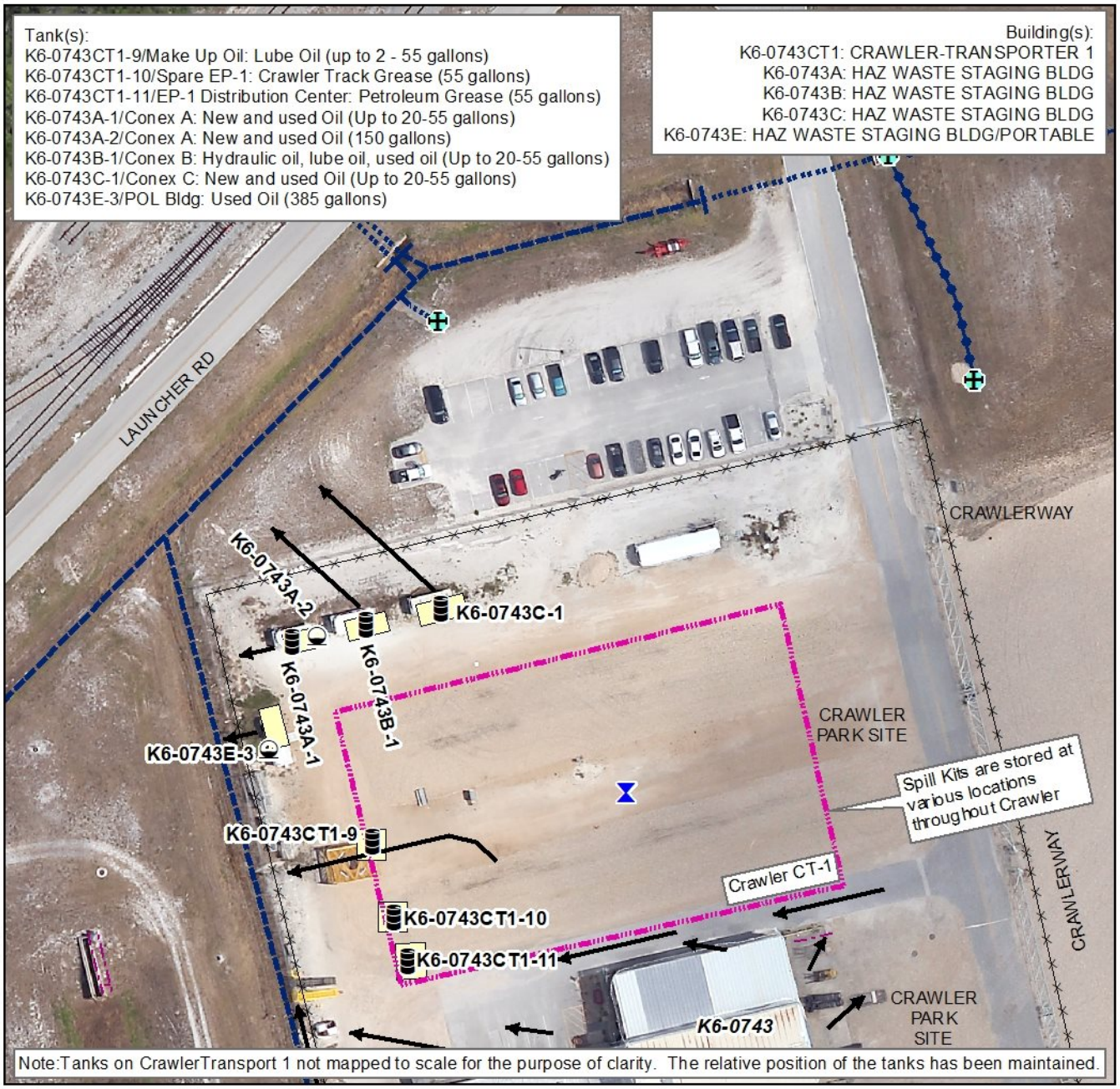
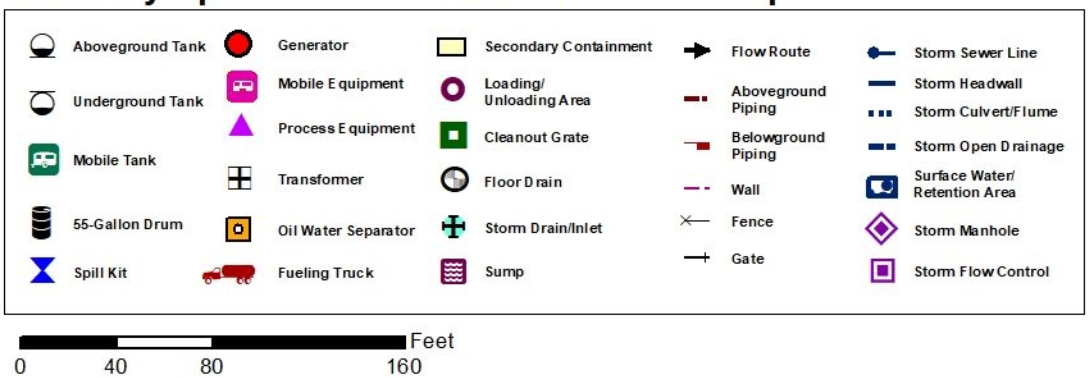
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #46
Dec 7, 2018

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0743B

Description: New hydraulic oil and lube oil is stored within this portable building.

Building/Site Name: HAZ WASTE STAGING BLD/PORTABLE

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0743B-1**

Container Type: 55-Gallon Drum (Conex B)

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: Hydraulic oil, lube oil and used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is transferred to and from this building in 55 gallon drums. Up to 20 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum within this building would be contained within the secondary containment floor of the building. Spills exiting the building would flow out onto the unpaved surface and travel west towards an open storm water ditch. This ditch discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums storing used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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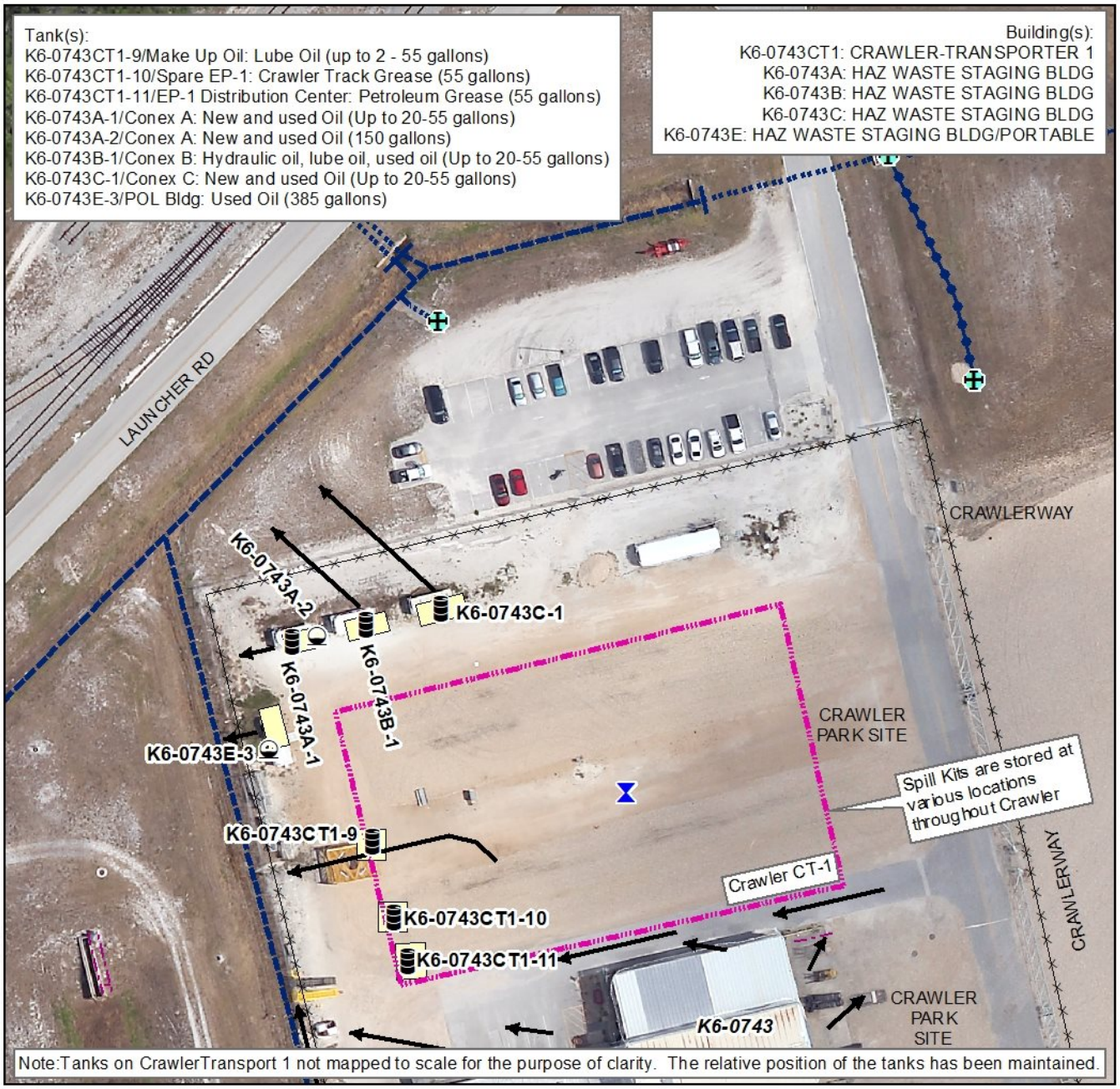
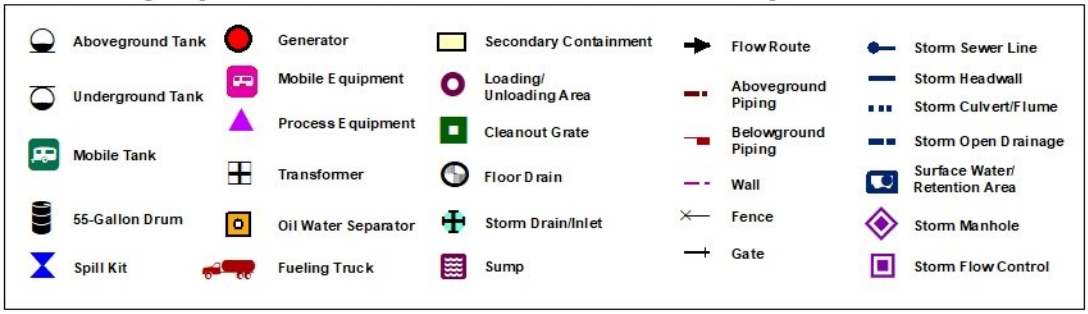
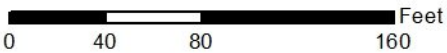
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #46
Dec 7, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0743C

Description: Oil storage within this building consists of used oil stored in 55-gallon drums.

Building/Site Name: HAZ WASTE STAGING BLD/PORTABLE

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0743C-1**

Container Type: 55-Gallon Drum (Conex C)

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to and from this facility in 55-gallon drums. Up to 20 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum would be contained within the secondary containment floor of the building. Spills exiting the building would travel west towards an open storm water drainage ditch. This ditch discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums storing used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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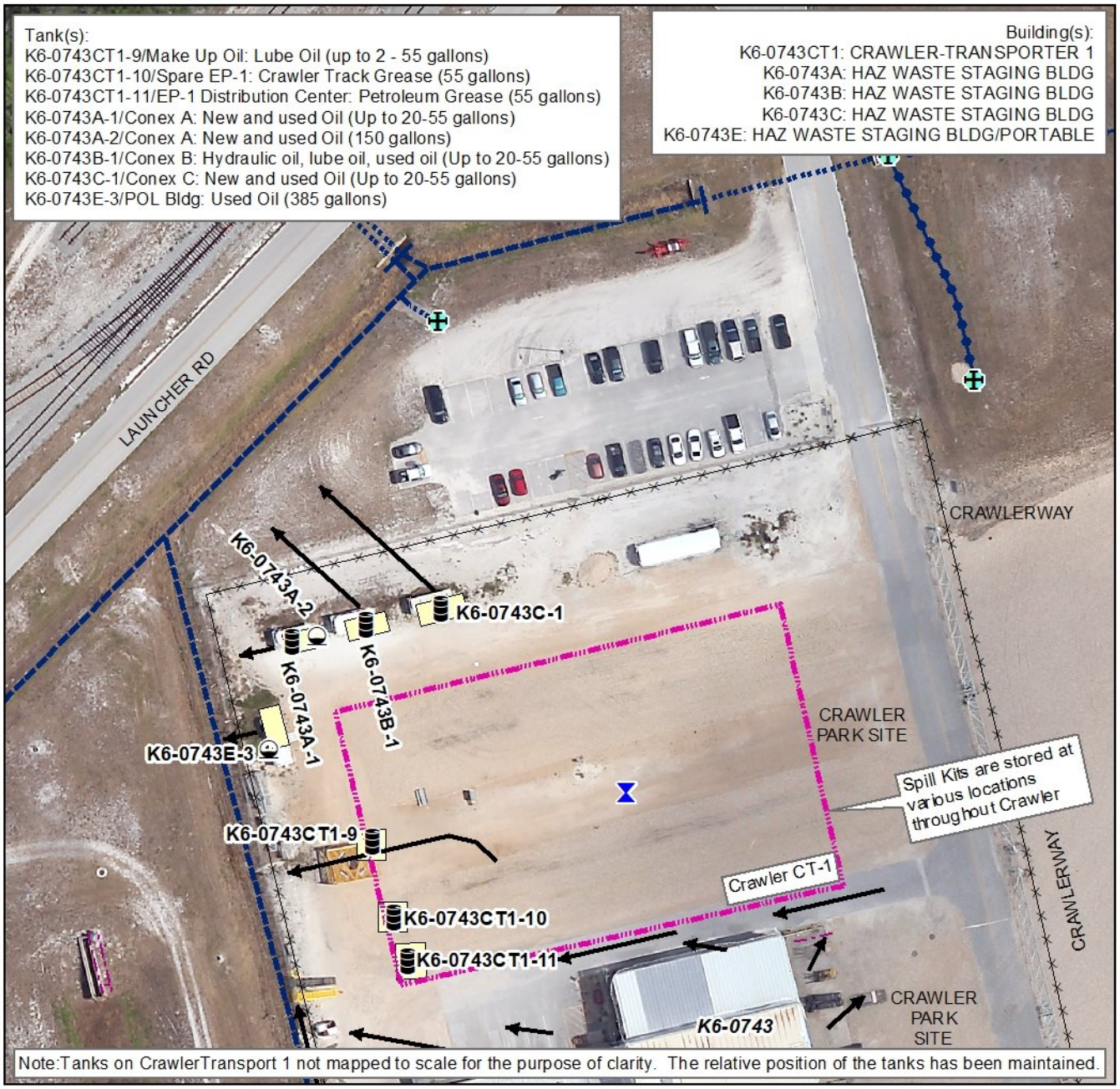
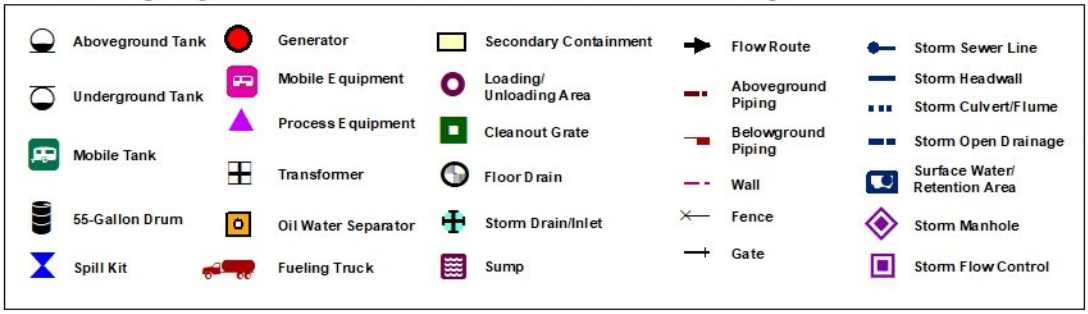
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #46
Dec 7, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0743CT1

Description: Oil and fuel use and storage is associated with the Crawler Transporters (CTs) parked at designated areas north and south of this building. The CTs also travel to various locations along the crawlerway.

Building/Site Name: CRAWLER TRANSPORTER (CT-1)

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0743CT1-9**

Container Type: 55-Gallon Drum (CT-1 Make-up oil)

Container Capacity: Up to 2 - 55 Gallons

Materials Stored: Lube oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Plastic roll-top containment

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: 55-gallon drums of lube oil are transported to the crawler by fork lift or truck. Drums are hoisted onto crawler.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from this drum will be contained within the secondary containment. Overflows would flow out onto the rocky soils beneath the crawler and infiltrate the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0743CT1-10**

Container Type: 55-Gallon Drum (CT-1 Spare EP-1)

Container Capacity: 55 Gallons

Materials Stored: Track grease (EP-1)

Fail Safe Features: None

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Plastic roll-top containment

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This container is held in reserve aboard the Crawler to replace container K6-0743CT1-11 as needed.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

Spill Route Details: A spill or leak from this drum will be contained within the secondary containment tub. Overflows would flow out onto the unpaved surface of the crawler parking area and infiltrate the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0743CT1-11**

Container Type: 55-Gallon Drum (CT-1 EP-1 Dist. Center)

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Capacity: 55 Gallons

Materials Stored: Track grease (EP-1)

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment tub

Secondary Containment Volume: >55 Gallons Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Steel hard lines and steel flex lines

Oil Fill and Transfer Details: 55-gallon drums are attached to the greasing system and are replaced on an as-needed basis. Refer to Container K6-0743CT1-10 for replacement

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill or leak from the grease drum will be contained within the secondary containment tub. Overflows would flow out onto the unpaved surface of the crawler parking area and infiltrate the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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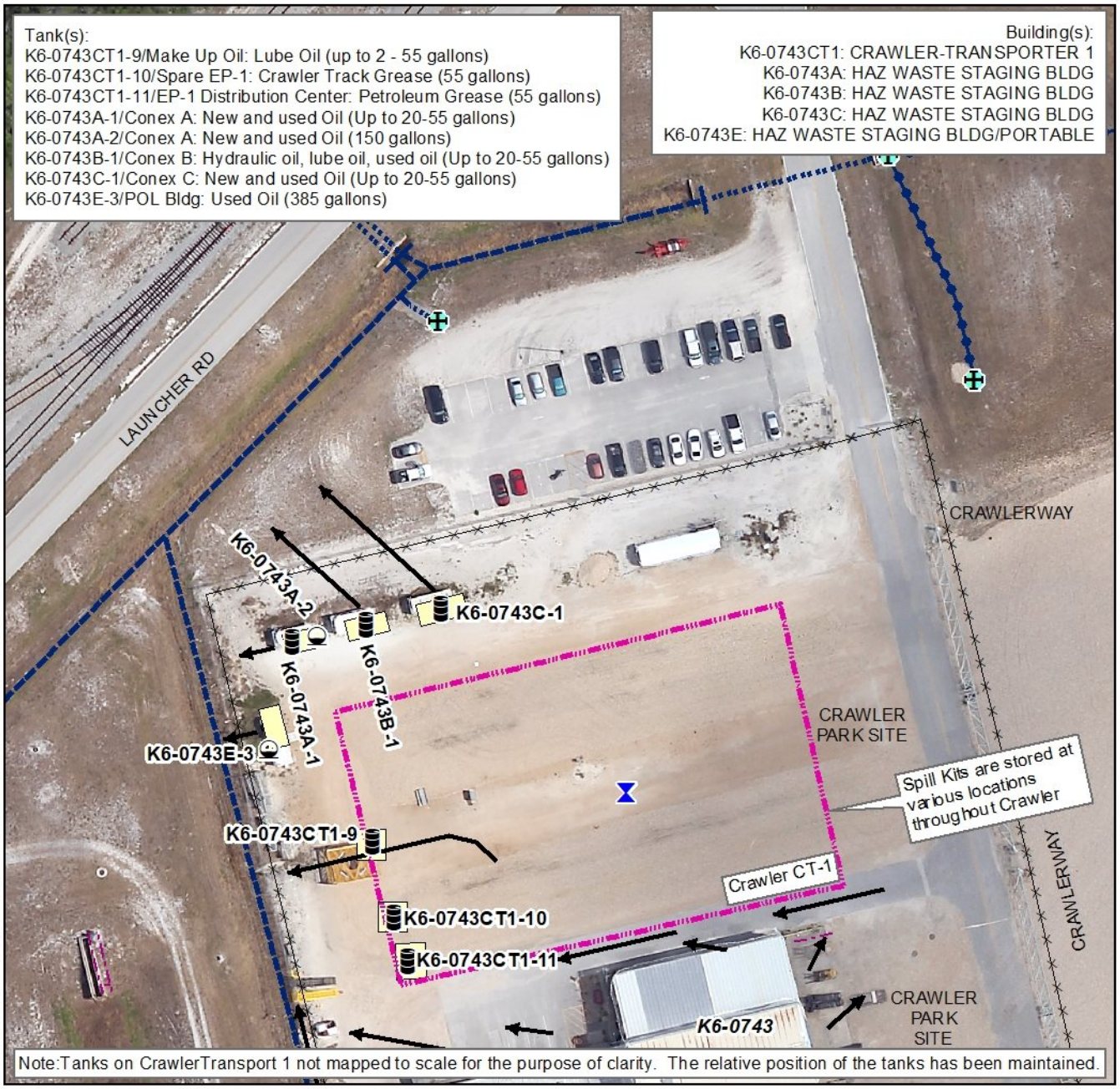
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 40 80 160 Feet

MAP #46
Dec 7, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0743CT2

Description: Oil and fuel use and storage is associated with the Crawler Transporters (CTs) parked at designated areas north and south of this building. The CTs also travel to various locations along the crawlerway.

Building/Site Name: CRAWLER TRANSPORTER (CT2)

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0743CT2-9**

Container Type: 55-Gallon Drum (CT-2 Make-up oil)

Container Capacity: Up to 2 - 55 Gallons

Materials Stored: Lube oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Plastic roll-top containment

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: 55-gallon drums of lube oil are transported to the crawler by fork lift or truck. Drums are hoisted onto crawler.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from this drum would be contained within the secondary containment roll-top. Overflows would flow out onto the rocky soils beneath the crawler and infiltrate the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0743CT2-10**

Container Type: 55-Gallon Drum (CT-2 Spare EP-1)

Container Capacity: 55 Gallons

Materials Stored: Track grease (EP-1)

Fail Safe Features: None

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Plastic roll-top containment

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This container is held in reserve aboard the Crawler to replace Container #K6-0743CT2-11 as needed.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

Spill Route Details: A spill or leak would be contained within the secondary containment. Overflows would flow out onto the unpaved surface of the crawler parking area and infiltrate the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0743CT2-11**

Container Type: 55-Gallon Drum (CT-2 E-P-1 Dist. Center)

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Capacity: 55 Gallons

Materials Stored: Track grease (EP-1)

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment tub

Secondary Containment Volume: >55 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Steel hard lines and steel flex lines

Oil Fill and Transfer Details: 55-gallon drums are attached to the greasing system and are replaced on an as-needed basis. Refer to Container # K6-0743CT2-10 for replacement

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill or leak from the grease drum would be contained within the secondary containment. Overflows would flow out onto the unpaved surface of the crawler parking area and infiltrate the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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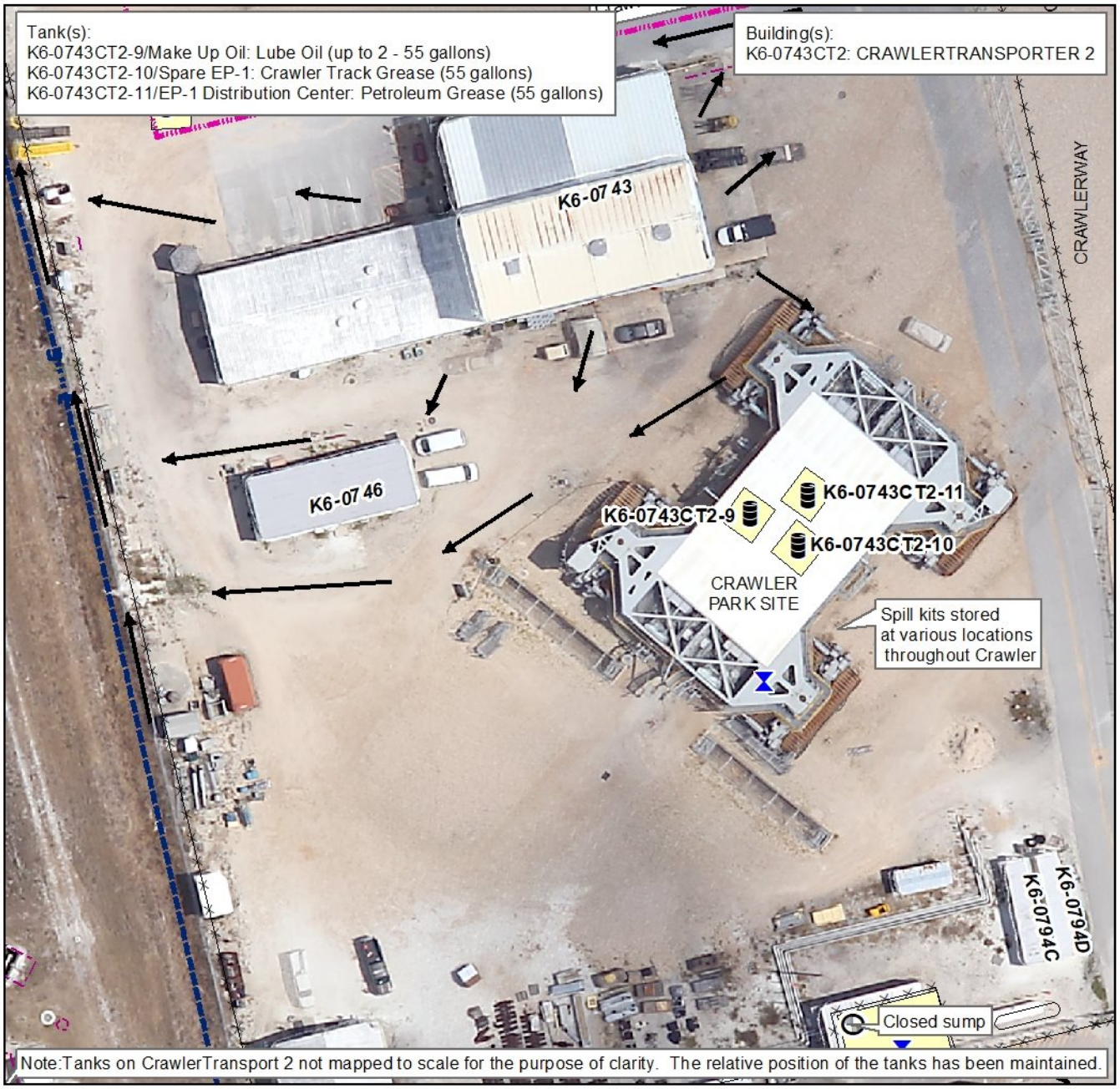
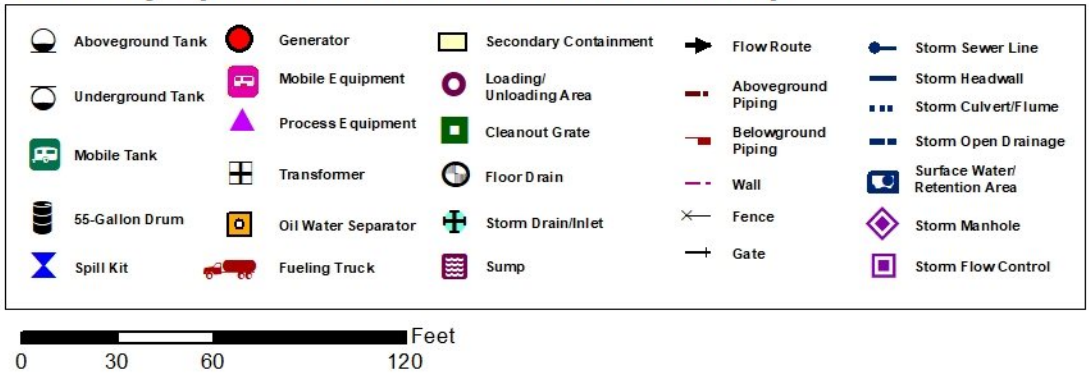
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #20
Dec 10, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0743E

Description: Oil storage at this facility consists of new and used oils supporting the Crawler Transporter.

Building/Site Name: CONTROLLED WASTE STORAGE BUILDING

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0743E-3**

Container Type: Aboveground Tank

Container Capacity: 385 Gallons

Materials Stored: Used oil

Fail Safe Features: Visual Level indication

Direct vision gauge

Construction Details: Double walled polyethylene tank

Date Installed: 11/01/2017

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 423 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to the 385 gallon tank manually by pouring from small containers within the portable secondary containment building.

Secondary Containment Drainage Procedure: Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from the tank would be contained within the secondary containment floor of the building. Spills exiting the building would travel west towards an open stormwater drainage ditch. This ditch discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums storing used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Place spill containment devices between the spill and the nearest storm drainage channel.
4. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
5. Notify Supervisor and Facility Manager.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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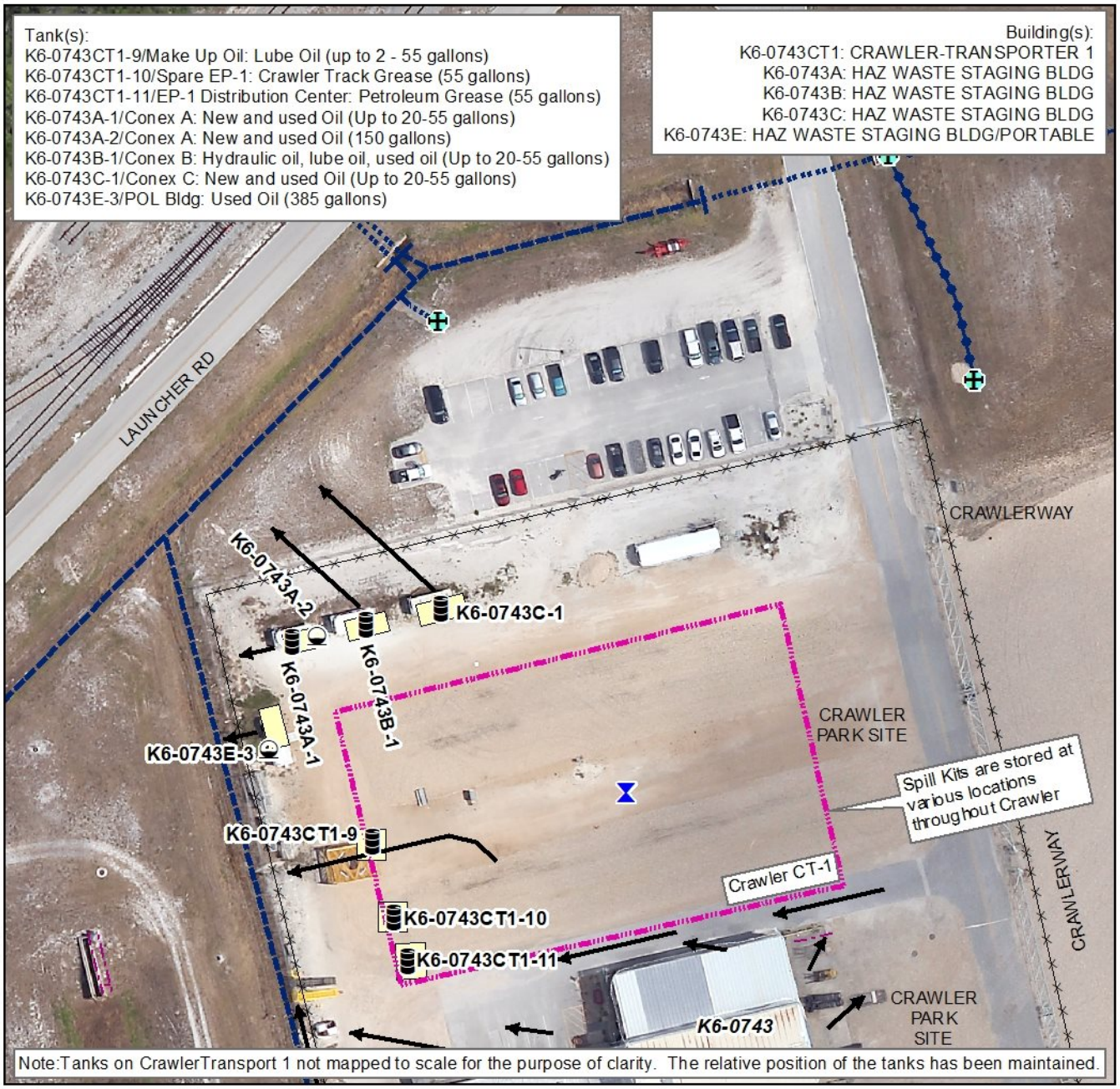
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

Feet
0 40 80 160

MAP #46
Dec 7, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0794

Description: Oil storage associated with this facility includes new lube oil stored in 55-gallon drums, and hydraulic oil associated with elevator equipment.

Building/Site Name: THERMAL PROTECTION SYSTEM FACILITY

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0794-3**

Container Type: 55-Gallon Drum

Container Capacity: Up to 23 - 55 Gallons

Materials Stored: Lube oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Lube oil is transferred to and from this facility in various container sizes types. All oil storage and fill/transfer activities are performed within secondary containment.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum or during transfer operations would be contained within the secondary containment pallets. Overflows would spill out onto the concrete floor and be contained within the building. There are no floor drains in the immediate vicinity. If a spill were to escape the building, it would exit through a door and travel east towards a gravel surface and infiltrate the ground.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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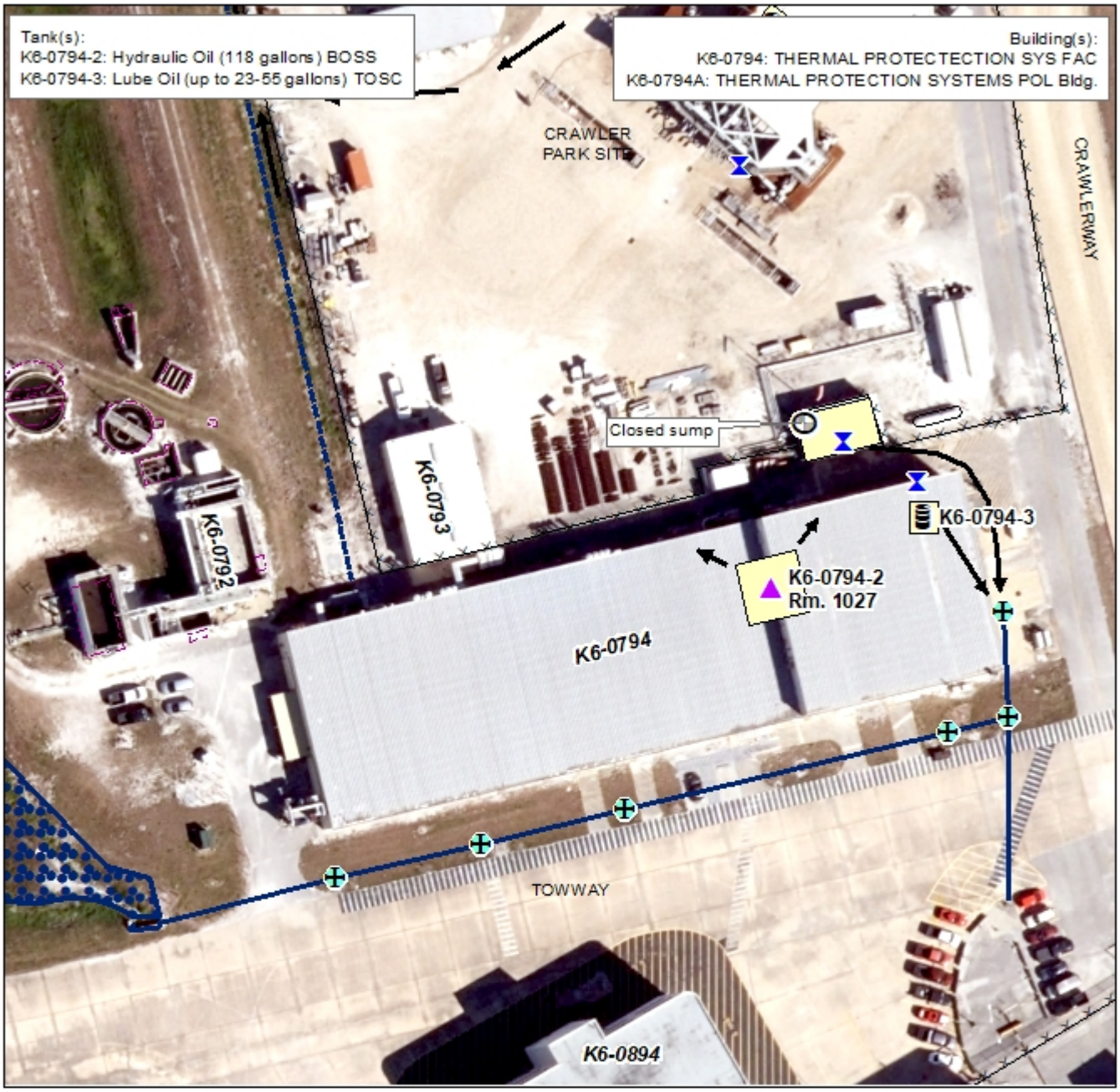
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

0 40 80 160 Feet

MAP #32
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0848

Description: Oil storage at this building includes new and used oil stored in 55-gallon drums and hydraulic oil within building elevators, cranes and a portable hydraulic power unit (HPU).

Building/Site Name: VEHICLE ASSEMBLY BUILDING

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0848-3**

Container Type: Hydraulic reservoir

Container Capacity: 300 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: Direct vision float gauge

High temperature alarms

Construction Details: Single walled stainless teel tank

Date Installed: 11/14/2017

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Catchment basin

Secondary Containment Volume: 346 Gallons

Piping Type: Aboveground. A combination of flex lines and hard lines

Corrosion Protection: N/A

Piping Details: Single-walled stainless steel and flex hose

Oil Fill and Transfer Details: This tank is filled on an as-needed basis from 55-gallon drums by SPCC trained personnel.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the secondary containment is removed using absorbent materials, containerized, and properly disposed.

Spill Route Details: A spill occurring during oil transfer or a leak in the secondary containment would accumulate on the concrete floor surface of the building. Spill Kit materials are positioned in the unit and would be deployed in the event of a spill or leak.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-0848-4**

Container Type: 55-Gallon Drum

Container Capacity: Up to 2 - 55 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Materials Stored: New and used PF degreaser

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building serves as secondary containment

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Drums of solvent degreaser are transferred to and from this facility in 55-gallon drums. Up to two drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the building is removed using absorbant materials and shovels, containerized, and properly disposed.

Spill Route Details: A spill occurring during transfer operations or a leak from a drum would accumulate on the concrete floor surface of the building. A spill kit is positioned near the drum storage area and would be deployed in the event of a spill or leak.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
3. Containers are kept closed except when in use.
4. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
5. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
6. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit
2. Mobile spill kit

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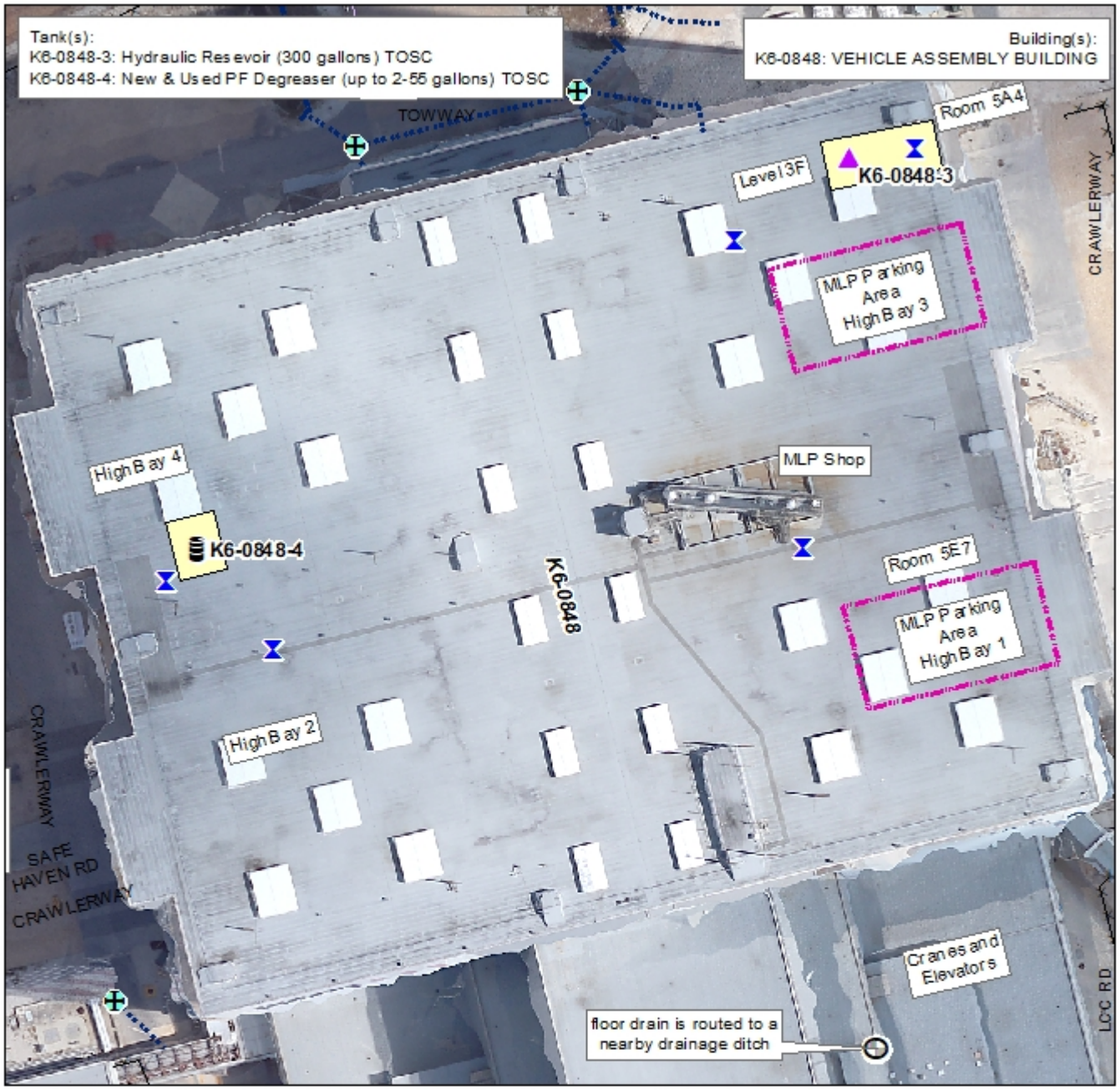
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 45 90 180 Feet

MAP #13
May 31, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0998

Description: Oil storage within this building includes up to twenty 55-gallon drums of new and used oil.

Building/Site Name: VAB HAZ WASTE STAGING BLDG

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0998-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 20 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Concrete berm inside building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to and from this facility in 55-gallon drums. Up to 20 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum would be contained within the concrete curb which surrounds the inside of the building. In the unlikely event that spilled oil exited the building, it would flow west towards an open storm drainage ditch located in the vicinity. This ditch discharges to the Turn Basin which is part of the Banana River.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. A concrete curb surrounds the building in which the oil containers are stored.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. Containers are kept closed except when in use.
4. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
5. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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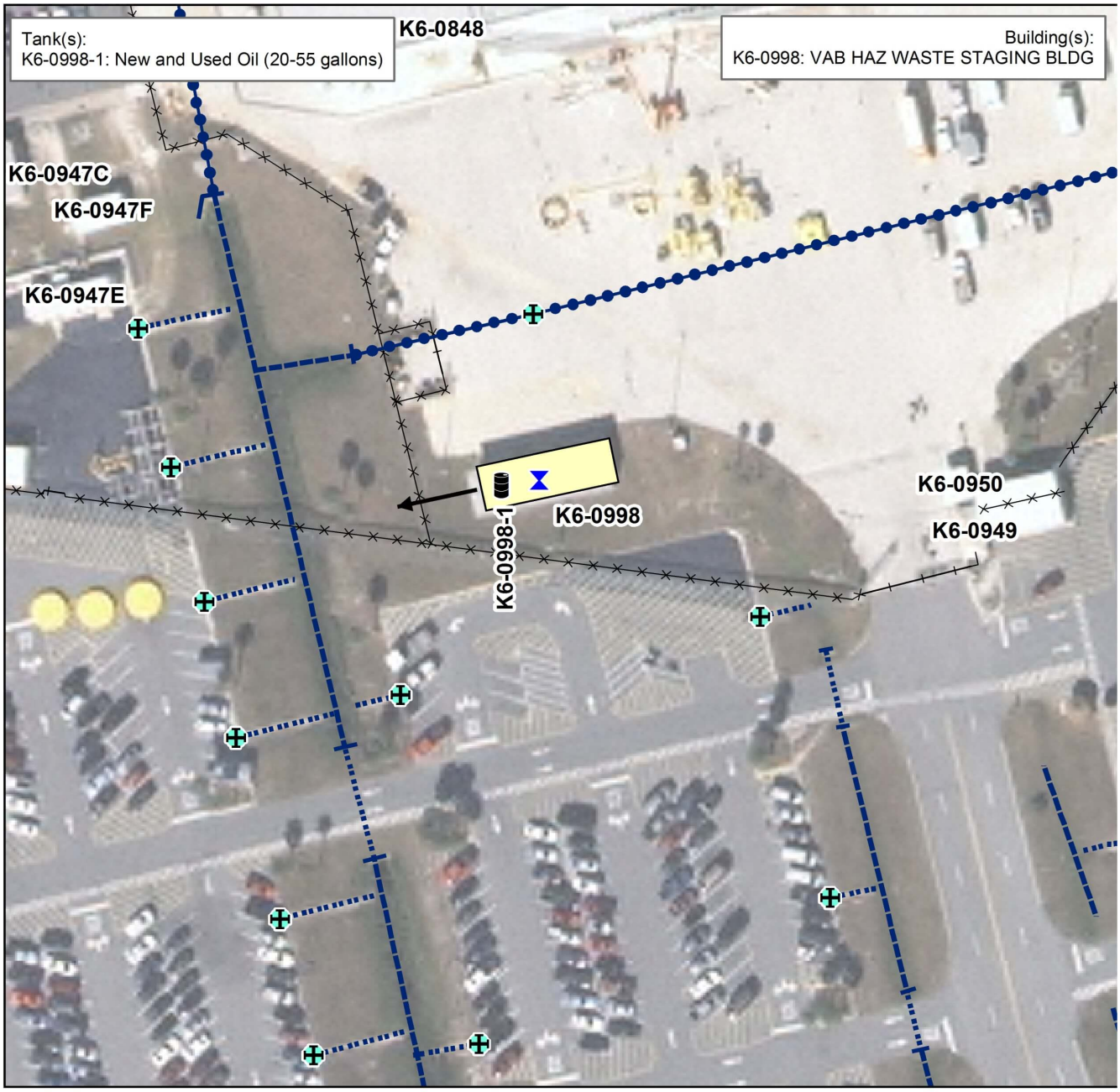
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

Feet
0 40 80 160

MAP #11
Jun 13, 2012

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1247

Description: Oil storage within this building includes oil-filled process equipment tanks associated with metal machining equipment. In addition, an aboveground compressor condensate storage tank is located on the north side of the facility.

Building/Site Name: LAUNCH EQUIPMENT SHOP

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1247-1**

Container Type: Process Equipment (Accupress-green)

Container Capacity: 79 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 11/30/1995

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >79 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is transferred to this tank from a container on an as-needed basis or changed as required per the preventative maintenance schedule.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from a tank would flow out onto the concrete floor surface and be contained within the building. All floor drains have been sealed.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-6**

Container Type: Process Equipment (MAZAK mill)

Container Capacity: 120 Gallons

Materials Stored: Machine oil

Fail Safe Features: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 09/15/2008

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >120 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is transferred to this tank from a container on an as-needed basis as required per the preventative maintenance schedule.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from this tank would flow out onto the concrete floor surface and be contained within the building. All floor drains have been sealed.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-7**

Container Type: Process Equipment (HAAS VF-7 mill)

Container Capacity: 78 Gallons

Materials Stored: Machine oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 10/09/2000

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >78 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is transferred to this tank from a container on an as-needed basis or changed as required per the preventative maintenance schedule.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from this tank would flow out onto the concrete floor surface and be contained within the building. All floor drains have been sealed.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-8**

Container Type: Process Equipment (HAAS HS-3R mill)

Container Capacity: 78 Gallons

Materials Stored: Machine oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 7/1/2009

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >78 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is transferred to this tank from a container on an as-needed basis or changed as required per the preventative maintenance schedule.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from this tank would flow out onto the concrete floor surface and be contained within the building. All floor drains have been sealed.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-9**

Container Type: Process Equipment

Container Capacity: 250 Gallons

Materials Stored: Used oil

Fail Safe Features: High level audible alarm

High level visual alarm

Low level audible alarm

Construction Details: Single walled steel tank on process equipment

Date Installed: 10/21/2014

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

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Kennedy Space Center Site-Specific SPCC Plan Data

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Metalworking fluid is transferred to the tank using a transfer sump tank with a pneumatically operated pump on an as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from a tank would flow out onto the concrete floor surface and be contained within the building. If a spill were to escape the building, it would exit through a door and flow towards a storm water ditch on the south side of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-10**

Container Type: Process Equipment

Container Capacity: 250 Gallons

Materials Stored: New Oil

Fail Safe Features: High level audible alarm

High level visual alarm

Low level audible alarm

Construction Details: Single walled steel tank on process equipment

Date Installed: 10/21/2014

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Metalworking fluid is transferred to the tank using a transfer sump tank with a pneumatically operated pump on an as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from a tank would flow out onto the concrete floor surface and be contained within the building. If a spill were to escape the building, it would exit through a door and flow towards a storm water ditch on the south side of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Container: **K6-1247-11**

Container Type: Mobile Tank

Container Capacity: 120 Gallons

Materials Stored: Oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 10/21/2014

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Metalworking fluid is transferred to the mobile transfer tank using a pneumatically operated pump on an as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from a tank would flow out onto the concrete floor surface and be contained within the building. If a spill were to escape the building, it would exit through a door and flow towards a storm water ditch on the south side of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-12**

Container Type: Process Equipment

Container Capacity: 120 Gallons

Materials Stored: Metalworking fluid

Fail Safe Features: N/A

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 12/16/2014

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >120 Gallons

Piping Type: N/A

Corrosion Protection: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Details: N/A

Oil Fill and Transfer Details: Fluid is transferred to the tank on an as-needed basis or changed as required per the preventative maintenance schedule.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from this tank would flow out onto the concrete surface and be contained within the building. All floor drains have been sealed.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-13**

Container Type: Process Equipment

Container Capacity: 80 Gallons

Materials Stored: Metalworking coolant

Fail Safe Features:

Construction Details: Single walled steel tank

Date Installed: 05/01/2017

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in buiilding

Secondary Containment Volume: > 80 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Metalworking coolant is transferred to the tank using a pump on an as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from a tank would floor out onto the concrete floor surface and be contained within the building. If a spill were to escape the building, it would exit through a door and flow towards a stormwater drain on the north side of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-14**

Container Type: Process Equipment

Container Capacity: 80 Gallons

Materials Stored: Metalworking coolant

Fail Safe Features:

Construction Details: Single walled steel tank

Date Installed: 05/01/2017

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Kennedy Space Center Site-Specific SPCC Plan Data

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: > 80 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Metalworking coolant is transferred to the tank using a pump on an as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from a tank would floor out onto the concrete floor surface and be contained within the building. If a spill were to escape the building, it would exit through a door and flow towards a stormwater drain on the north side of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1247-15**

Container Type: Process Equipment

Container Capacity: 150 Gallons

Materials Stored: Metalworking coolant

Fail Safe Features:

Construction Details: Single walled steel tank

Date Installed: 05/01/2017

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: > 150 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Metalworking coolant is transferred to the tank using a pump on an as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A spill or leak from a tank would floor out onto the concrete floor surface and be contained within the building. If a spill were to escape the building, it would exit through a door and flow towards a stormwater drain on the north side of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Large spill kit

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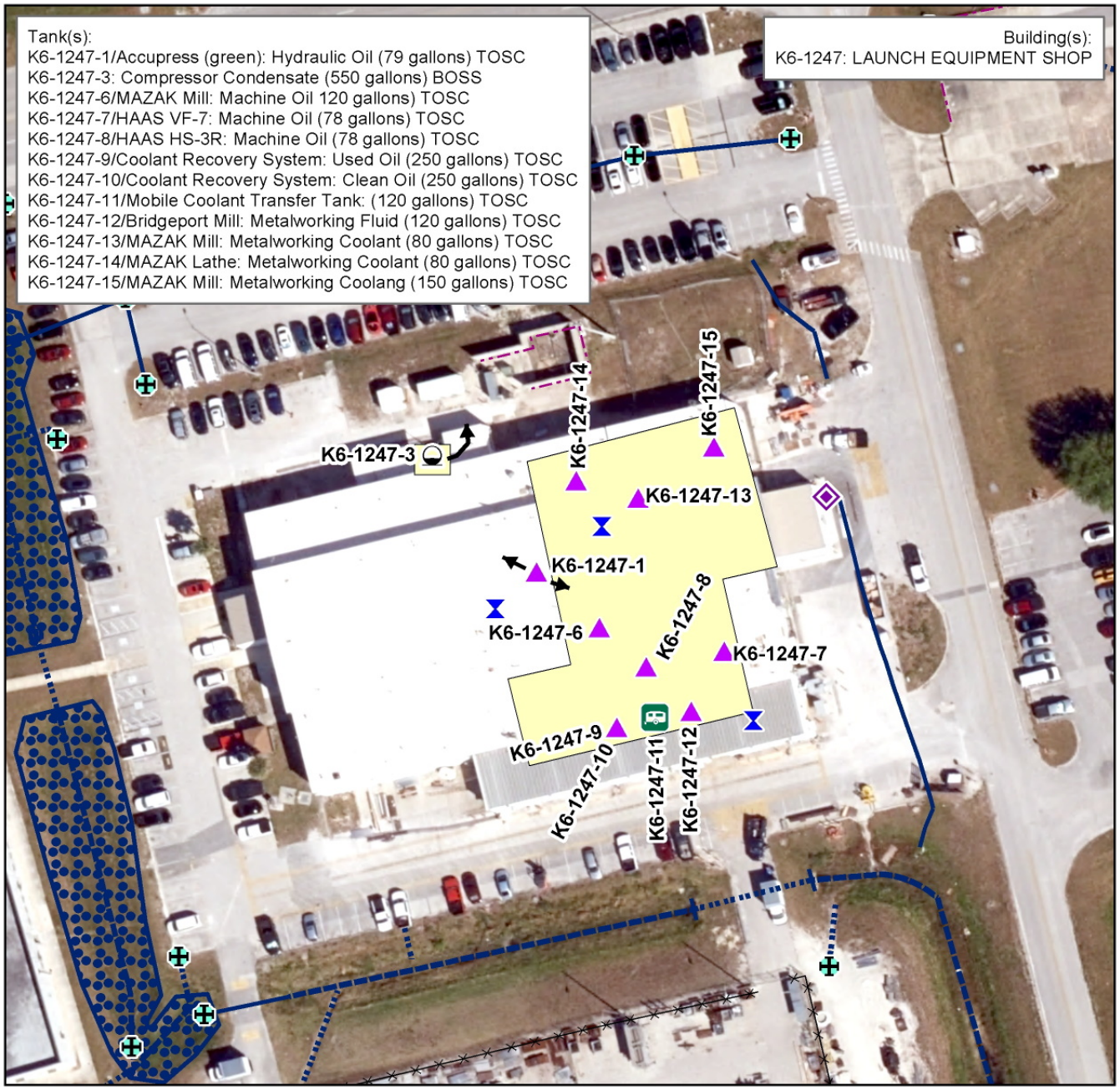
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #31
Jun 5, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1347

Description: Oil storage associated with this building includes used oil stored in 55-gallon drums.

Building/Site Name: HAZARDOUS WASTE STAGING SHELTER

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1347-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 15 - 55 Gallons

Materials Stored: Used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Concrete berm

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to and from this facility in 55-gallon drums. Up to 15 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment berm is directed to a blind sump and inspected for the presence of oil.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum would be contained within the containment berm. Overflows would flow out onto the ground surface and travel northeast towards an open drainage ditch which eventually discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all bulk oil containers.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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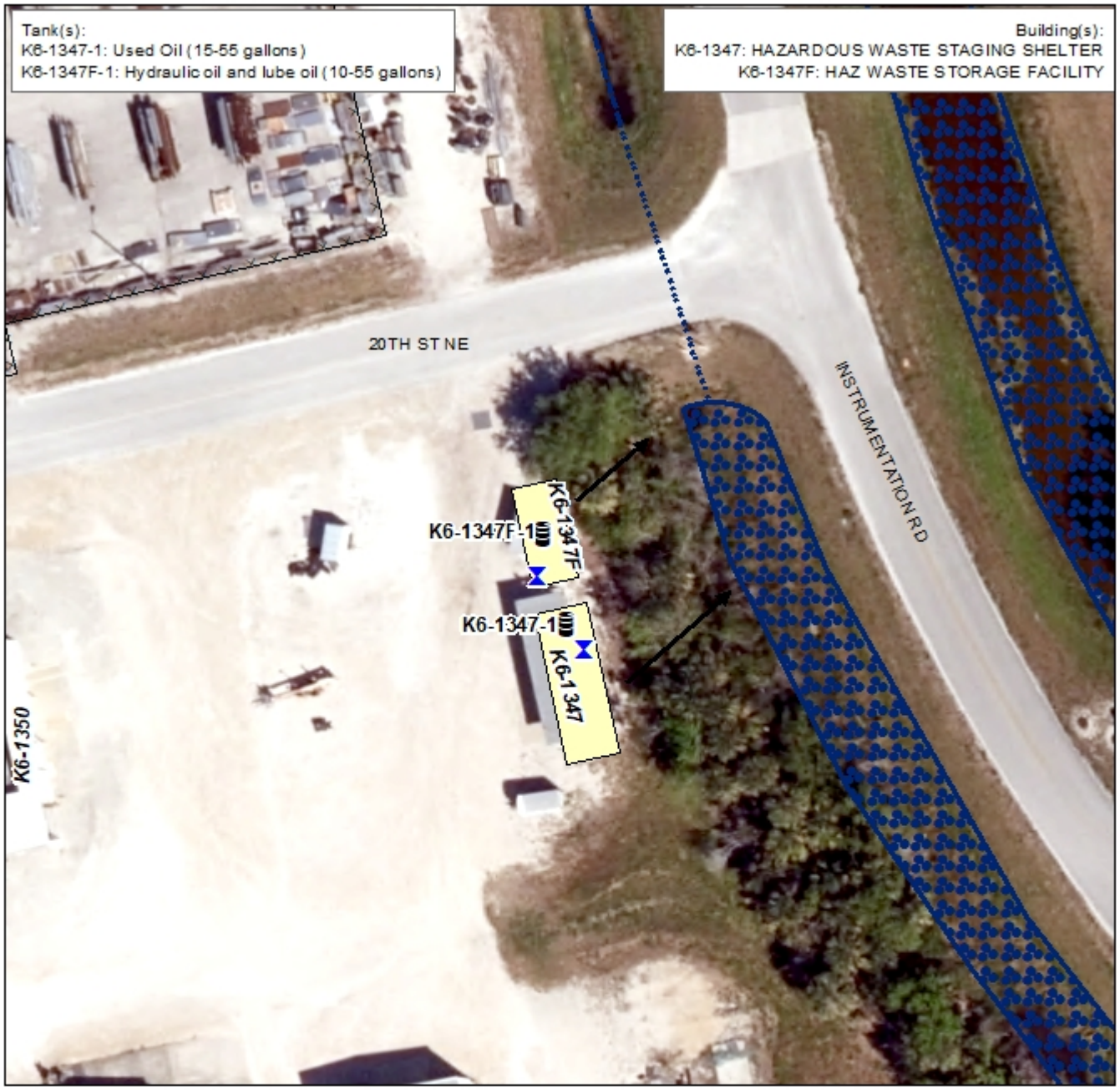
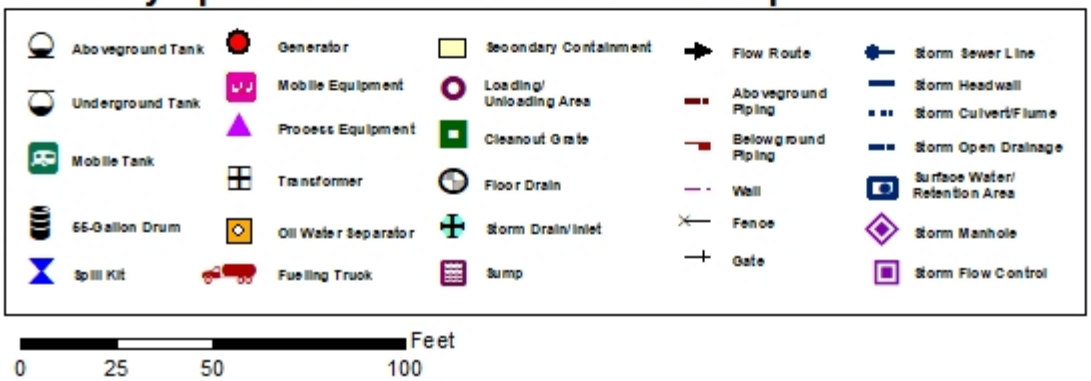
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #29
May 30, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1347F

Description: Oil storage associated with this building includes hydraulic and lube oil stored in 55-gallon drums.

Building/Site Name: HAZ WASTE STORAGE FACILITY

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1347F-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 10 - 55 Gallons

Materials Stored: Hydraulic oil and lube oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is transferred to and from this buildings in 55-gallon drums. Up to 10 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum would be contained within the built-in secondary containment floor of the building. Overflows would flow out onto the ground surface and travel northeast towards an open drainage ditch which eventually discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all bulk oil containers.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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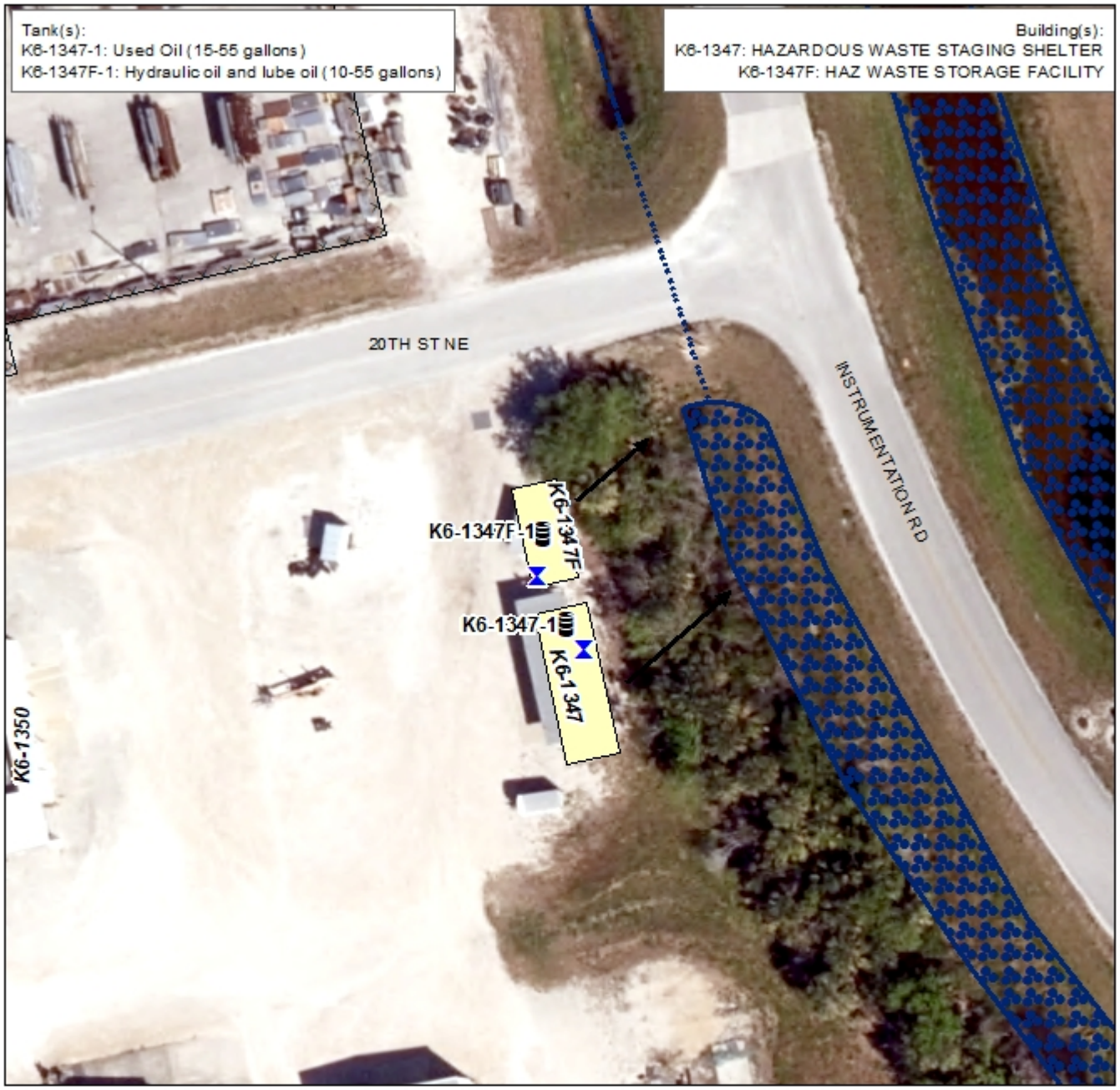
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #29
May 30, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1547

Description: Oil storage associated with this facility includes hydraulic oil within elevator equipment, and new oil stored in 55-gallon drums.

Building/Site Name: LOGISTICS

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1547-6**

Container Type: 55-Gallon Drum

Container Capacity: Up to 96 - 55 Gallons

Materials Stored: New Oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: 07/07/2019

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Collapsible secondary containment

Secondary Containment Volume: 239 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Miscellaneous oil products are transferred to this facility in 55 gallon drums. Up to 96 drums are located in the facility at one time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum would be contained within the containment berm. Overflows would spill out onto concrete floors and be contained within the building. There are no floor drains in the immediate vicinity.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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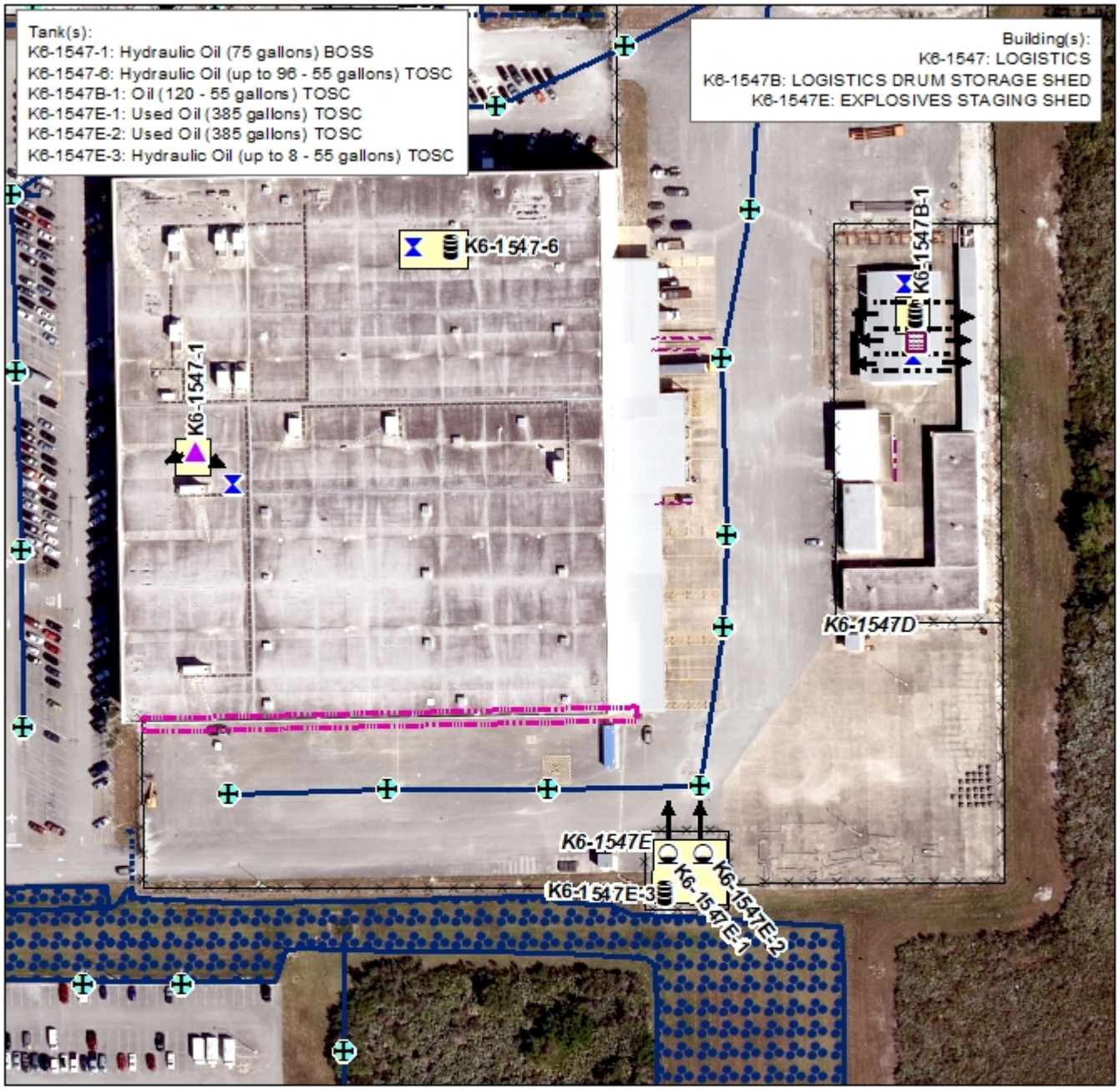
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 75 150 300 Feet

MAP #27
Nov 26, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1547B

Description: Miscellaneous oil products are stored in this building in 55-gallon drums, and used oil stored in intermediate bulk containers (IBC's).

Building/Site Name: LOGISTICS DRUM STORAGE SHED

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1547B-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 120 - 55 Gallons

Materials Stored: Oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Covered concrete floor slopes to the middle of a blind sump

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Miscellaneous oil products are transferred to this facility in 55-gallon drums. Up to 120 drums are stored at the facility at time.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum in this area would flow towards a blind sump located in the center.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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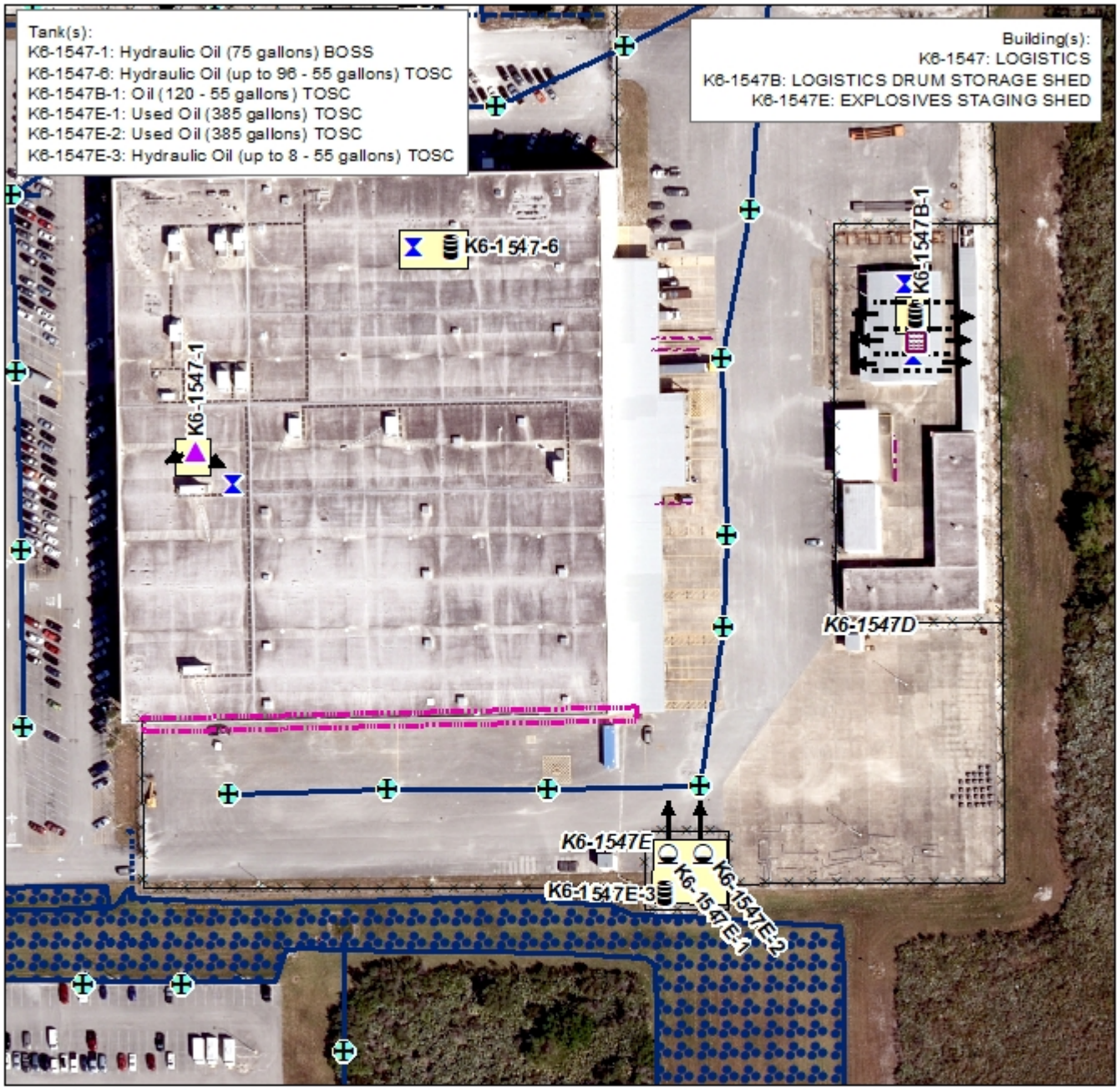
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 75 150 300 Feet

MAP #27
Nov 26, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1547E

Description: Oil storage associated with this facility includes new and used oil stored in 55-gallon drums, and used oil stored in aboveground tanks.

Building/Site Name: LOGISTICS FACILITY POL SHED

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1547E-1**

Container Type: Aboveground Tank

Container Capacity: 385 Gallons

Materials Stored: Used oil

Fail Safe Features: Direct vision gauge

Visual Level indication

Construction Details: Double walled polyethylene tank

Date Installed: 08/28/2018

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 426 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to the 385 gallon tank manually by pouring from small containers.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from the tank would be contained within the secondary containment. Spills exiting the containment would travel northeast towards a storm water inlet structure, which outfalls to a nearby drainage ditch. This ditch discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 5000 Gallons

Container: **K6-1547E-2**

Container Type: Aboveground Tank

Container Capacity: 385 Gallons

Materials Stored: Used oil

Fail Safe Features: Visual Level indication

Direct vision gauge

Construction Details: Double walled polyethylene tank

Date Installed: 08/28/2018

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 423 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to the 385 gallon tank manually by pouring from small containers.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill or leak from the tank would be contained within the secondary containment. Spills exiting the containment would travel northeast towards a storm water inlet structure, which outfalls to a nearby drainage ditch. This ditch discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 5000 Gallons

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Container: **K6-1547E-3**

Container Type: 55-Gallon Drum

Container Capacity: Up to 8 - 55 Gallons

Materials Stored: Used oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: 08/2018

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel secondary containment structure

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is transferred in 55-gallon drums or small containers.

Secondary Containment Drainage Procedure: Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A spill or lead from the drums would be contained within the secondary containment. Spills exiting the containment would travel north east towards a storm water inlet structure, which outfalls to a nearby draining ditch. This ditch discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Place spill containment devices between the spill and the nearest storm drainage channel.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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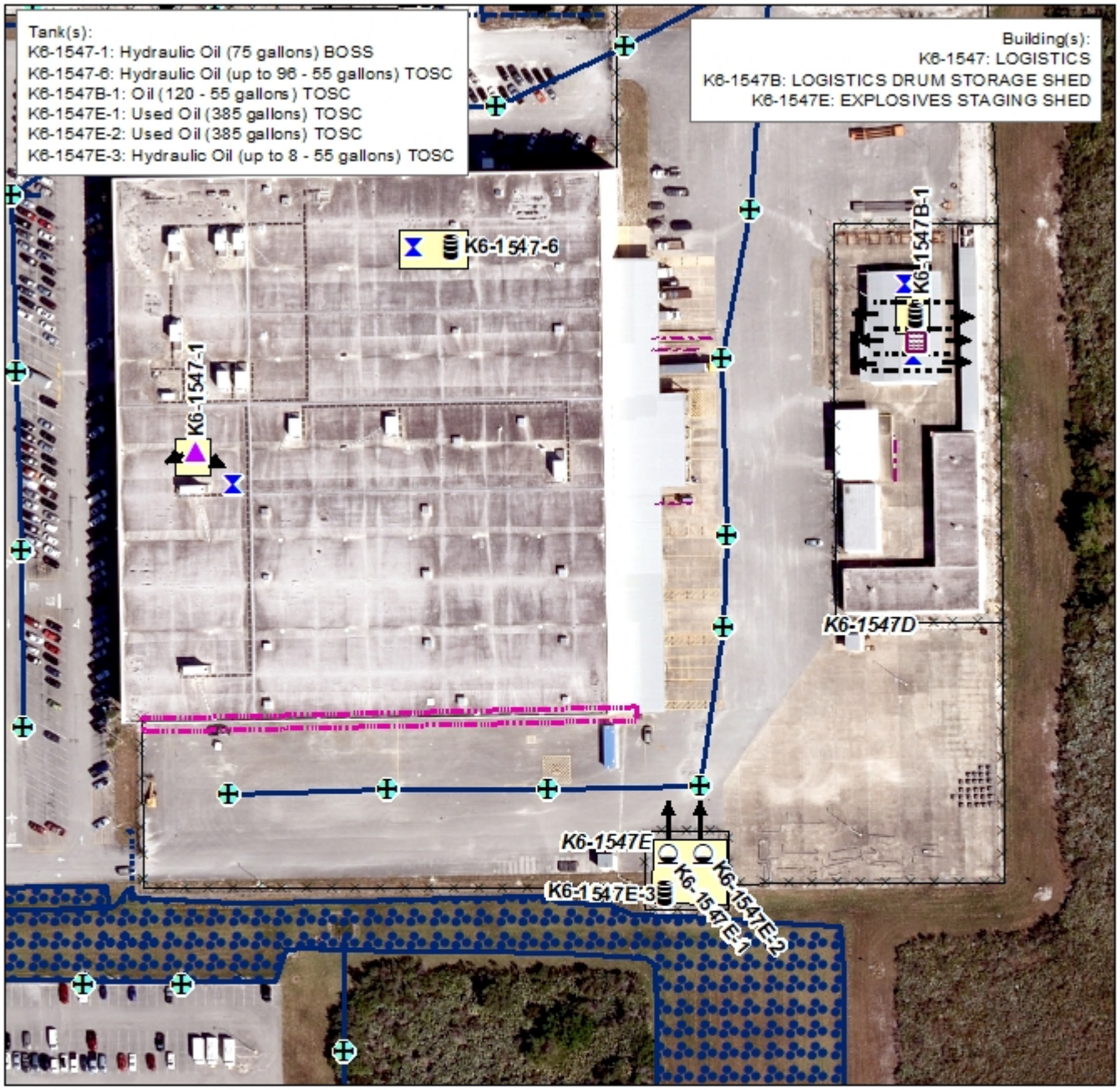
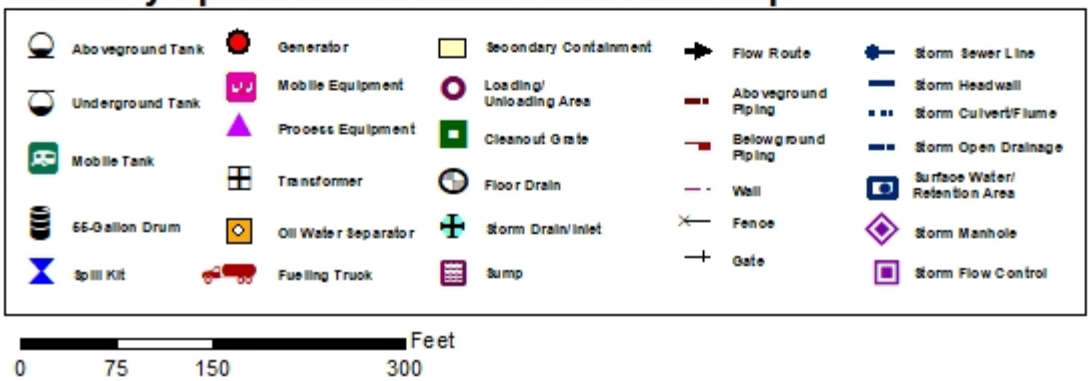
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #27
Nov 26, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1844

Description: Oil storage associated with this location includes mobile fuel tanks housed on two double axle trailers and mobile air compressors.

Building/Site Name: LOCOMOTIVE MAINTENANCE FACILITY

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1844-1**

Container Type: Mobile Tank

Container Capacity: 500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Leak detection system

Construction Details: Double walled steel tank

Date Installed: 05/01/2018

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >500 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank. A large leak from the interstitial space would pool on the ground surface, potentially flowing east under Contractor Road and eventually discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **K6-1844-2**

Container Type: Mobile Tank

Container Capacity: 300 Gallons

Materials Stored: Gasoline

Fail Safe Features: Direct vision gauge

Leak detection system

Construction Details: Double walled steel tank

Date Installed: 05/01/2018

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >300 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank. A large leak from the interstitial space would pool on the ground surface, potentially flowing east under Contractor Road and eventually discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **K6-1844-5**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type: Mobile Tank

Container Capacity: 300 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Leak detection system

Construction Details: Double walled steel tank

Date Installed: 05/01/2018

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >300 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank. A large leak from the interstitial space would pool on the ground surface, potentially flowing east under Contractor Road and eventually discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **K6-1844-6**

Container Type: Mobile Tank

Container Capacity: 300 Gallons

Materials Stored: Gasoline

Fail Safe Features: Direct vision gauge

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Kennedy Space Center Site-Specific SPCC Plan Data

Leak detection system

Construction Details: Double walled steel tank

Date Installed: 05/01/2018

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >300 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank. A large leak from the interstitial space would pool on the ground surface, potentially flowing east under Contractor Road and eventually discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **K6-1844-8**

Container Type: Mobile Tank

Container Capacity: 60 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Single walled polyethylene tank

Date Installed: 06/01/2020

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Collapsible secondary containment

Secondary Containment Volume: >66 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the mobile tanks at the rail yard or by the KSC fuels contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from this tank would be contained within the collapsible secondary containment. Overflows from the containment would pool on the ground surface, potentially flowing east under Contractor Road and eventually discharges to the Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **K6-1844-9**

Container Type: Mobile Tank

Container Capacity: 60 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Single walled polyethylene tank

Date Installed: 06/28/2019

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Collapsible secondary containment

Secondary Containment Volume: >66 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by TOSC personnel using the portable refueling tanks located at the rail yard, or by the KSC fuels contractor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from this tank would be contained within the collapsible secondary containment. Overflows from the secondary containment would pool on the ground surface, potentially flowing east under Contractor Road and eventually discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Mobile or portable oil storage containers are provided with secondary containment.
6. Tank fueling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit
2. Mobile spill kit

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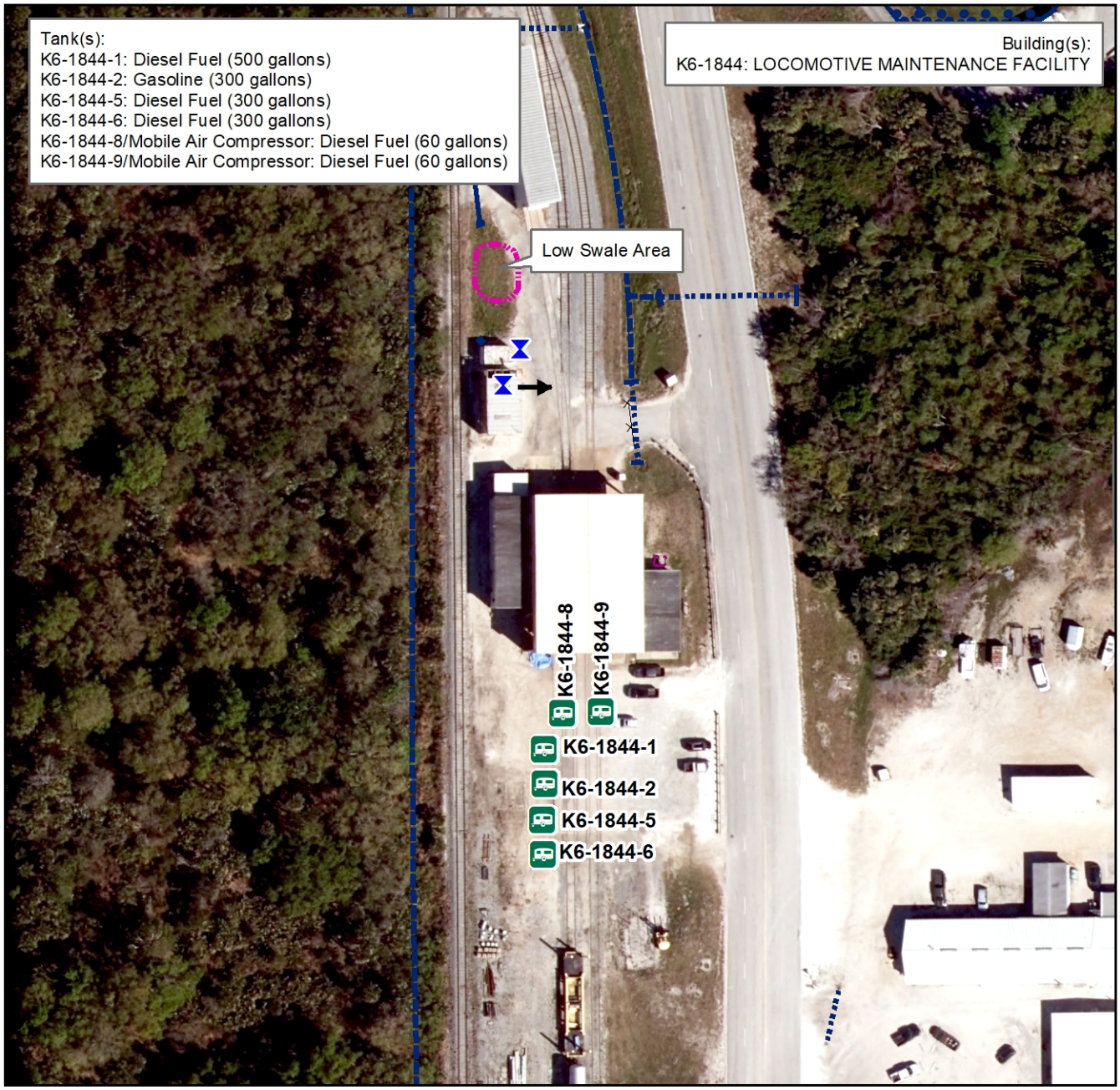
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 50 100 200 Feet

MAP #07
Nov 16, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1995

Description: Oil storage associated with this facility includes oil-filled process equipment containing hydraulic oil, and compressor condensate captured in a 55-gallon drum.

Building/Site Name: HEAVY EQUIPMENT MAINT. SHOP

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1995-4**

Container Type: Process Equipment (1500 Swagger #1515)

Container Capacity: 80 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: Direct vision gauge

Construction Details: Single walled steel tank

Date Installed: 05/13/2016

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel secondary containment structure

Secondary Containment Volume: 80 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Small quantities of hydraulic fluid are added manually as needed.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Spills would be contained within the secondary containment bermed area.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K6-1995-5**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type:	Process Equipment (1200 Ton ESCO Press)
Container Capacity:	75 Gallons
Materials Stored:	Hydraulic fluid
Fail Safe Features:	Direct vision gauge
Construction Details:	Single walled steel tank
Date Installed:	05/13/2016
Integrity Test Method:	Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Steel secondary containment structure
Secondary Containment Volume:	>75 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Single-walled steel
Oil Fill and Transfer Details:	Small quantities of hydraulic fluid are added manually on an as-needed basis.
Secondary Containment Drainage Procedure:	Any liquid accumulated in the floor of the secondary containment is inspected for the presence of a sheen or odor. If deemed to be free of oil, accumulated liquid is discharged to the ground surface. If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations. The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.
Spill Route Details:	Spills would be contained within the secondary containment bermed area.
Maximum Refueling/Vacuum Truck Capacity:	N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.

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Kennedy Space Center Site-Specific SPCC Plan Data

2. Notify Supervisor.

3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.

2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.

3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.

4. Place spill containment devices between the spill and the nearest storm drainage channel.

5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.

6. Notify Supervisor and Facility Manager.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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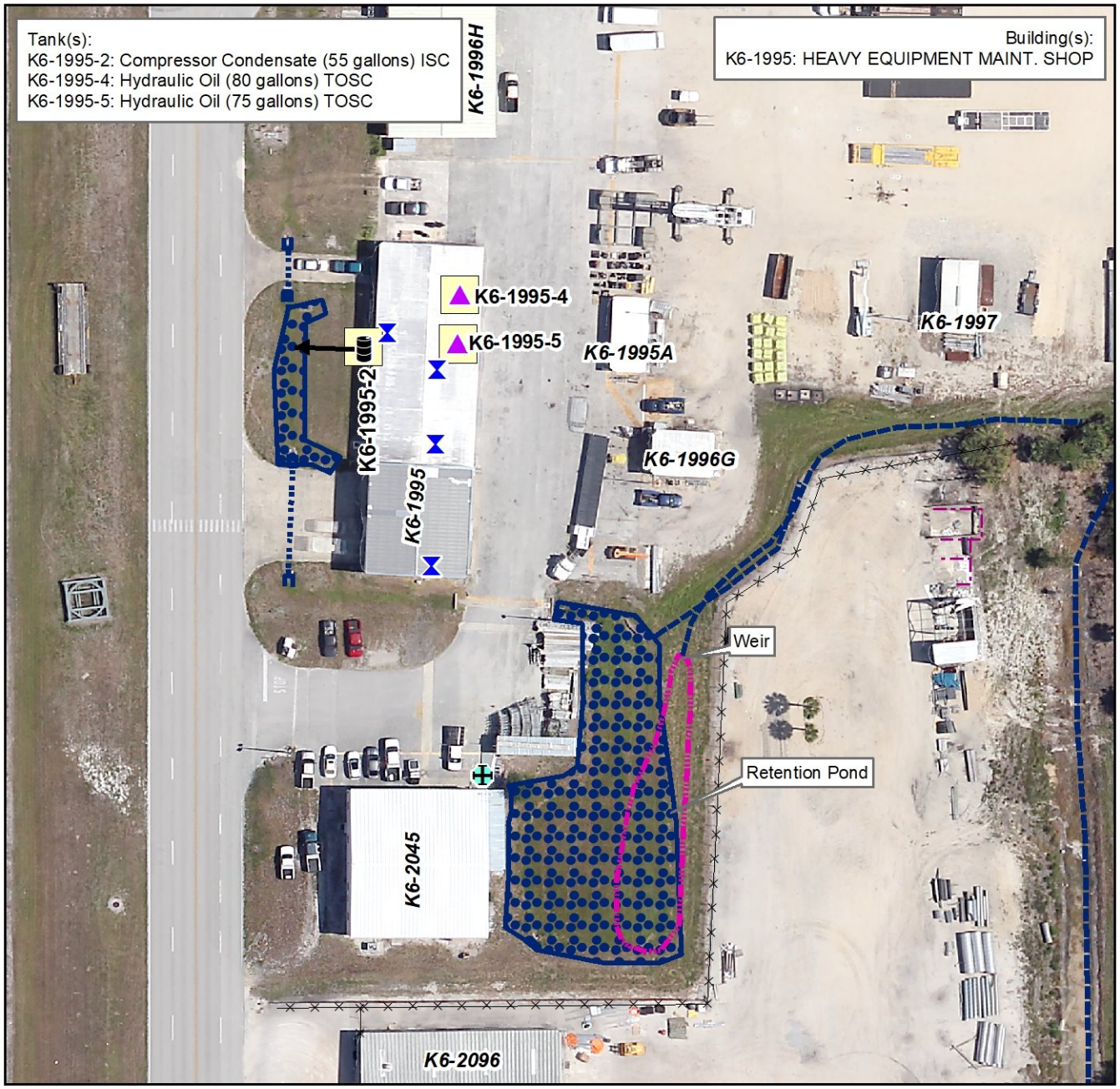
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #22
Dec 6, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0505

Description: Oil storage associated with this facility includes dielectric and hydraulic oils contained in process equipment tanks.

Building/Site Name: PAYLOAD SUPPORT BUILDING

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0505-1**

Container Type: Process Equipment (Chevalier)

Container Capacity: 116 Gallons

Materials Stored: Dielectric oil

Fail Safe Features: None provided

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 09/01/1998

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >130 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis from 5-gallon buckets by SPCC trained personnel.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak or overflow from this tank would flow onto the concrete floor of the building. If a spill were to escape the building, it would exit through a rolling door.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0505-2**

Container Type: Process Equipment (Accurshear-625010)

Container Capacity: 65 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: None provided

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Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 02/01/2001

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >75 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis from 55-gallon drums using a transfer pump by SPCC trained personnel.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak or overflow from this tank would flow out onto the concrete floor of the building. If a spill were to escape the building, it would exit through a rolling door and flow toward a trench that is automatically pumped to a storm water ditch south of the building. The trench is inspected on a weekly basis and after major rain events, for the presence of an oil sheen or odor.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0505-3**

Container Type: Process Equipment (Accupress Advantage 7606)

Container Capacity: 66 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: None provided

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 03/01/2012

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building serves as secondary containment

Secondary Containment Volume: >75 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis from 55-gallon drums using a transfer pump by SPCC trained personnel.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the building is removed using absorbant materials and shovels, containerized, and properly disposed.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak or overflow from this tank would flow onto the concrete floor of the building. If a spill were to escape the building, it would exit through a rolling door and flow toward a trench that is automatically pumped to a storm water ditch south of the building. The trench is inspected on a weekly basis, and after major rain events, for the presence of an oil sheen or odor.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0505-4**

Container Type: Process Equipment

Container Capacity: 140 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Visual Level indication

Construction Details: Single walled steel tank on metal machining equipment

Date Installed: 11/09/1987

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >150 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis from small containers or 55-gallon drums using a transfer pump by SPCC trained personnel.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak or overflow from this tank would flow out onto the concrete floor of the building. If a spill were to escape the building, it would exit through a door and flow towards a storm drain in the paved area between the east and west wings of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0505-5**

Container Type: Process Equipment

Container Capacity: 92.5 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Level gauge

Construction Details: Single walled steel tank

Date Installed: 11/09/2006

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Kennedy Space Center Site-Specific SPCC Plan Data

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >100 Gallons Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis from small containers or 55-gallon drums using a transfer pump by SPCC trained personnel.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak or overflow from this tank would flow out onto the concrete floor of the building. If a spill were to escape the building, it would exit through a rolling door located at the west side of the building and flow towards a storm water ditch to the south of the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.

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Kennedy Space Center Site-Specific SPCC Plan Data

4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit
2. Mobile spill kit

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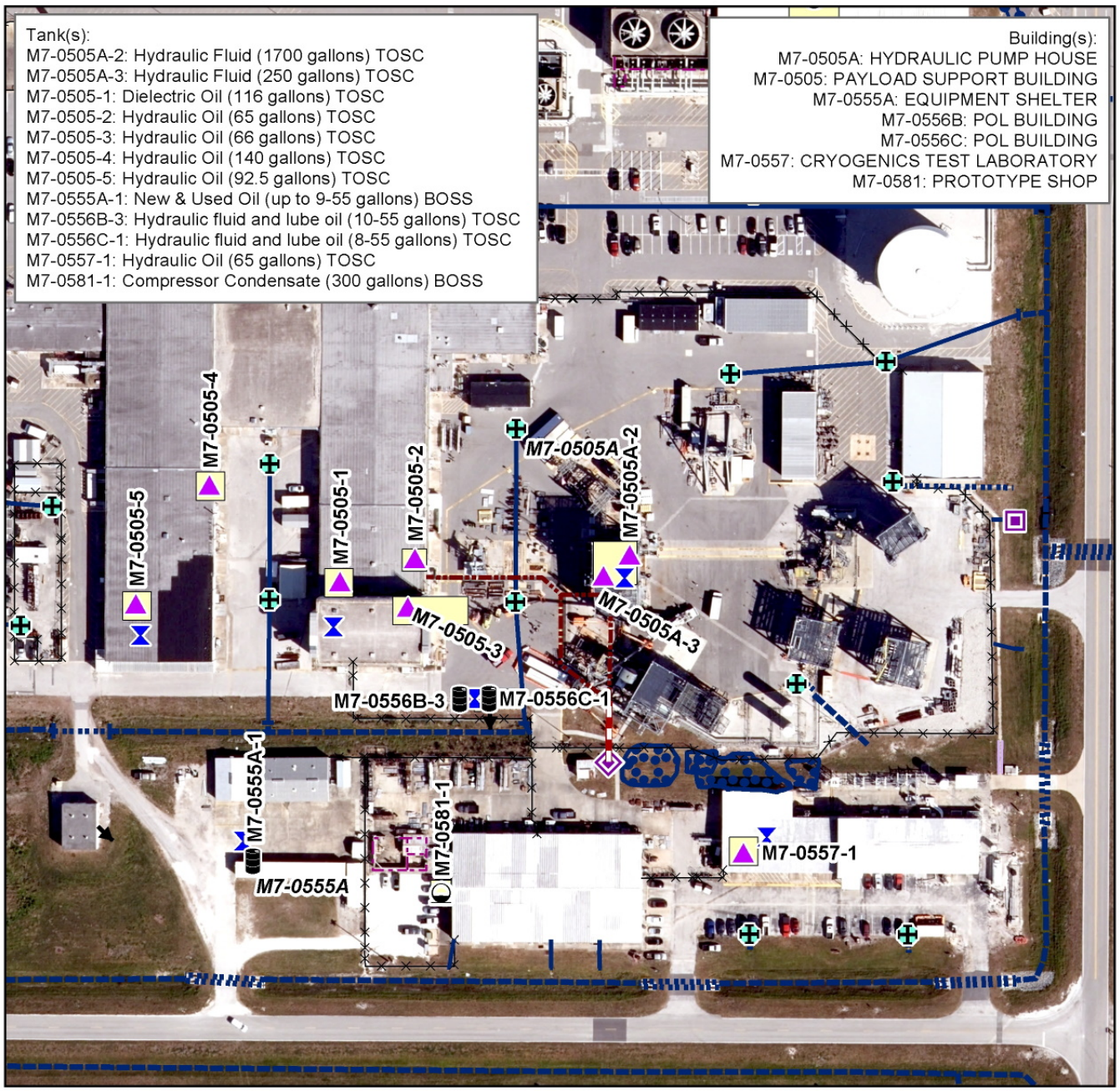
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 75 150 300 Feet

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0505A

Description: The primary function of this facility is to house the Vehicle Motion Simulator (VMS) hydraulic system components and reserviors.

Building/Site Name: LETF HYDRAULIC PUMP HOUSE

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0505A-2**

Container Type: Process Equipment

Container Capacity: 1700 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank (3-tanks manifolded together)

Date Installed: Jun-09

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Berm surrounding all door ways in building

Secondary Containment Volume: 3200 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled stainless steel and flex hose

Oil Fill and Transfer Details: This tank is refilled on an as-needed basis from 55 gallon drums utilizing a manual or motorized transfer pump.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If a tank leak is discovered, the liquid surface is inspected for the presence of a sheen or odor.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If a pipe leak is discovered on the VMS, the surrouding area and adjacent trench are inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Leaked fluid will collect in the middle of the room around where the old drain was located. If a spill were to escape the building, it would exit through the facility door and floor toward a trench that is automatically pumped to a storm water ditch south of the building. The trench is inspected on a weekly basis (minimum), following VMS operations, immediately after rainfall events exceeding one-inch, and before foretasted major rain events (e.g. hurricanes, tropical storms and fronts) for the presence of an oil sheen or odor.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M7-0505A-3**

Container Type: Hydraulic reservoir

Container Capacity: 250 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: Direct vision gauge

Construction Details: Single walled aluminum tank

Date Installed: 09/15/2014

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Berm surrounding all door ways in building

Secondary Containment Volume: 3200 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is refilled on an as-needed basis by small containers or 55 gallon drums utilizing a manual or motorized transfer pump.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is pumped to a container for inspection.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Leaked fluid will collect in the middle of the room around where the old drain was located. If a spill were to escape the building, it would exit through the facility door and floor toward a trench that is automatically pumped to a storm water ditch south of the building. The trench is inspected on a weekly basis (minimum), following VMS operations, immediately after rainfall events exceeding one-inch, and before foretasted major rain events (e.g. hurricanes, tropical storms and fronts) for the presence of an oil sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. A concrete curb surrounds the building in which the oil containers are stored providing secondary containment.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
3. As part of each inspection or if there was a documented/suspected release in the trench, inspect the wet well discharge point for sheen and odor.
4. Containers are kept closed except when in use.
5. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
6. Maintain vegetation on a regular basis where the wet well discharges to grade, so that personnel can access and assess the discharge point for sheen and odor.
7. Secure absorbent materials where the open trench discharges to the culvert pipe, prior to entering the wet well. Ensure method of securing the absorbent materials is capable of remaining in place during rain events and resisting interference with pump operation. Inspect absorbent materials during each inspection and replace and secure as necessary.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit
2. Mobile spill kit

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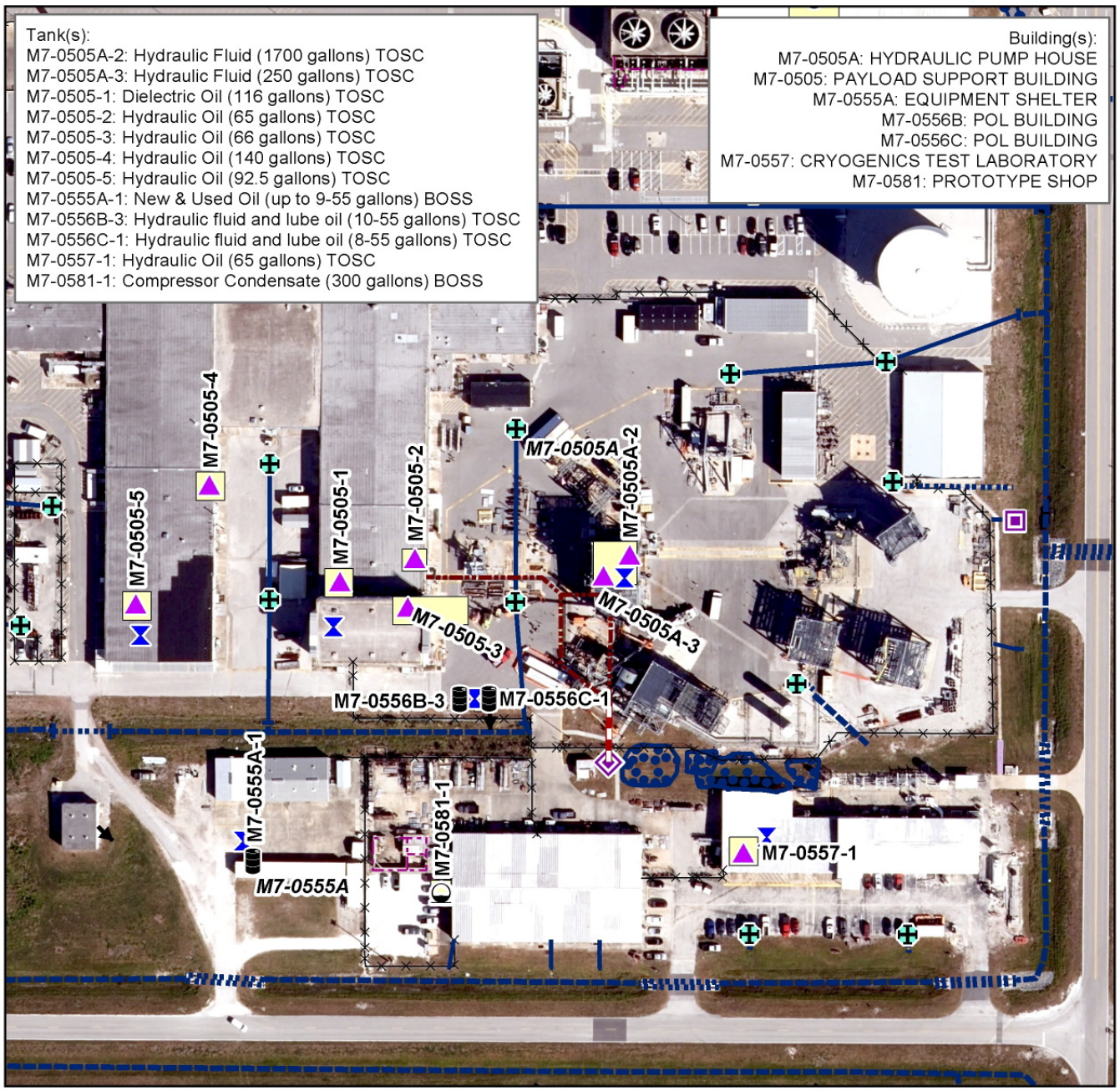
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
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Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
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Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 75 150 300 Feet

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0556B

Description: The primary function of this facility is to store Petroleum, Oils, and Lubricants (POL) Oil is stored in 55-gallon drums.

Building/Site Name: POL STORAGE BUILDING

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0556B-3**

Container Type: 55-Gallon Drum

Container Capacity: Up to 10 - 55 Gallons

Materials Stored: Hydraulic fluid and lube oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: 550 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Waste oil drums are filled manually by hand from small containers. Product oil is dispensed manually into small containers within the portable secondary containment. Up to 10 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the building is removed using absorbant materials and shovels, containerized, and properly disposed.

Spill Route Details: Spills or leaks from drums should be contained within the portable secondary containment building. Any overflow will flow out of the building and south towards a stormwater ditch. This ditch discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

2. Containers are kept closed except when in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all drums storing new and used oil.
5. The oil storage area is maintained in a neat and orderly condition.
6. The oil storage shed is equipped with a secondary containment subfloor.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Large spill kit

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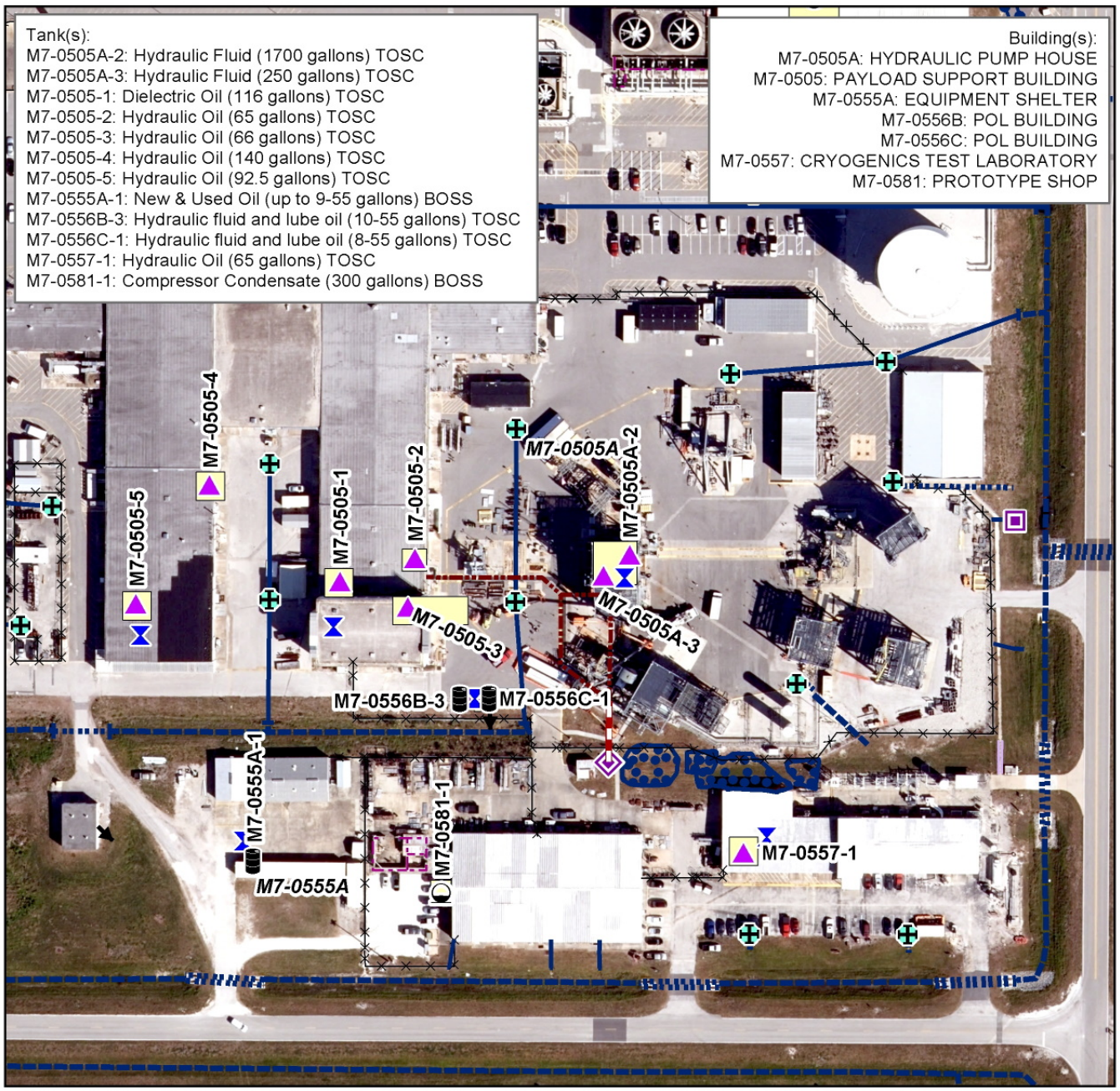
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 75 150 300 Feet

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0556C

Description: Oil storage associated with this facility includes new and used oil stored in 55-gallon drums.

Building/Site Name: POL (Active)

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0556C-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 8 - 55 Gallons

Materials Stored: Hydraulic fluid and lube oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: 476 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Waste oil drums are filled manually by hand from small containers. Product oil is dispensed manually into small containers within the portable secondary containment. Up to 8 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills or leakage from drums would be contained within the portable secondary containment building. Overflows from the secondary containment building would flow out of the building and south towards a stormwater ditch. This stormwater ditch discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. The oil storage area is maintained in a neat and orderly condition.
5. The oil storage shed is equipped with a secondary containment subfloor.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. Notify Supervisor and Facility Manager.
3. Cleanup with inhouse capability, if available.
4. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Large spill kit

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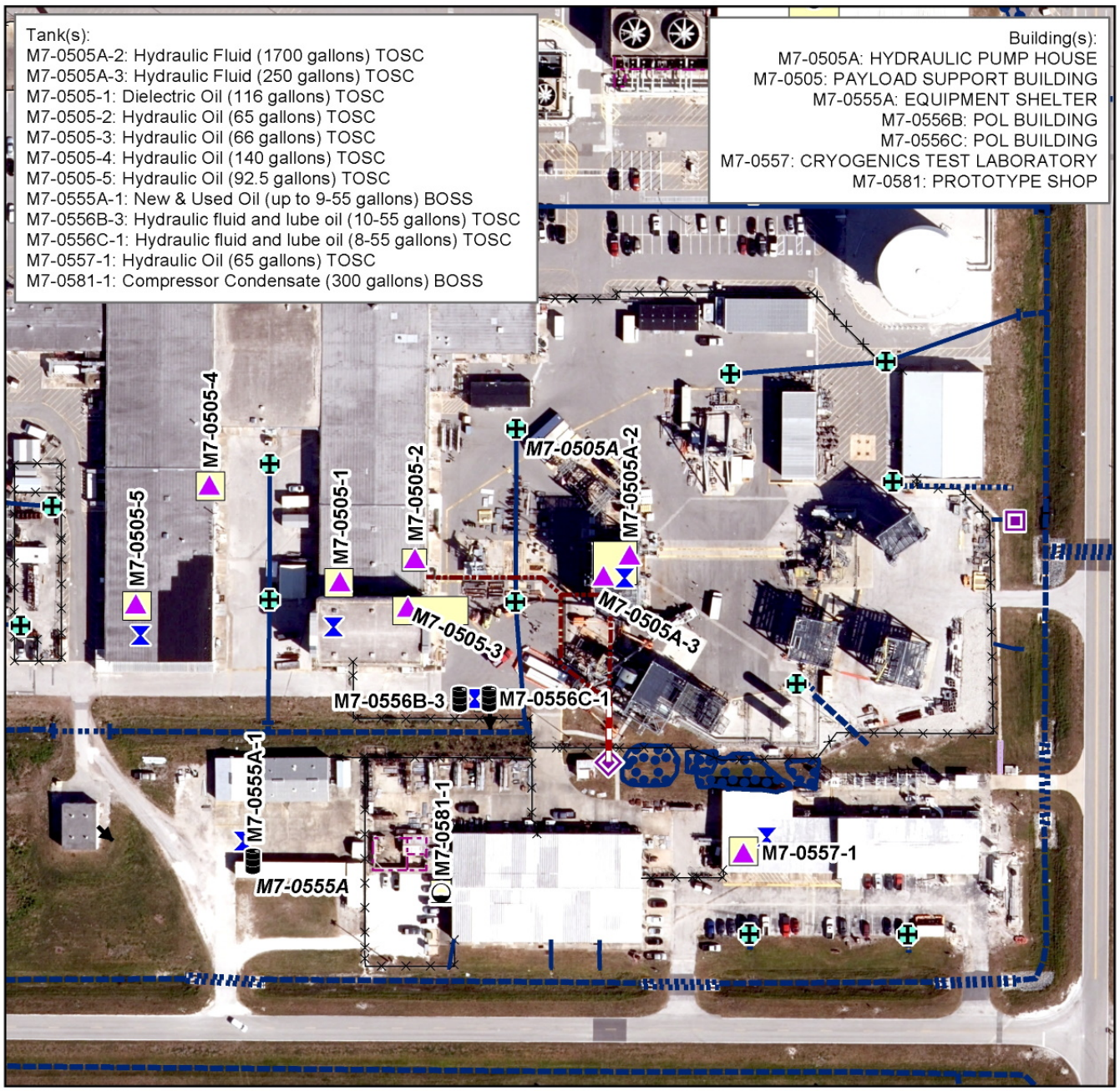
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
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Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 75 150 300 Feet

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0557

Description: Oil storage associated with this facility includes hydraulic oil containied in process equipment tanks.

Building/Site Name: CRYOGENICS TEST LABORATORY

Operator: TOSC

Environmental Contact: (321) 861-1464

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0557-1**

Container Type: Process Equipment (Accurshear-650010)

Container Capacity: 65 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: None provided

Construction Details: Single walled steel tank

Date Installed: 01/01/2007

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete floor in building

Secondary Containment Volume: >75 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis from 55-gallon drums using a transfer pump by SPCC trained personnel.

Secondary Containment Drainage Procedure: Any liquid accumulated on the floor of the building is removed using absorbent materials and shovels, containerized, and properly disposed.

Spill Route Details: A leak or overflow from this tank would flow onto the concrete floor of the building. If a spill were to escape the building, it would exit through a rolling door and flow toward a storm water ditch south of the building eventually discharging to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.

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Kennedy Space Center Site-Specific SPCC Plan Data

3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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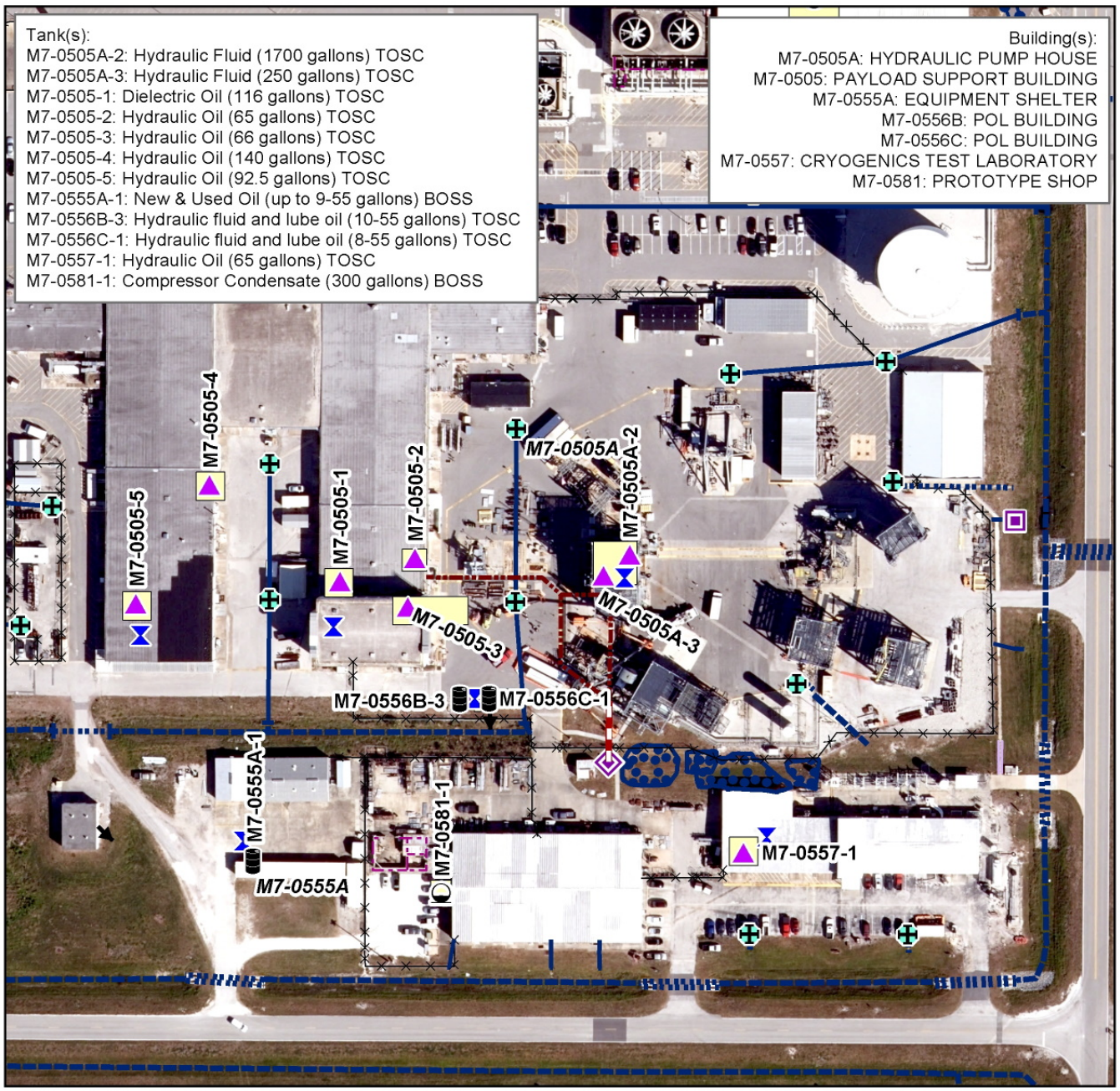
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
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Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
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				Storm Flow Control

N W E S

0 75 150 300 Feet

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B-3 Space Launch System Booster Fabrication and Assembly

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: 66336

Description: Oil storage within this facility includes new and used oil stored in 55-gallon drums. This facility is only partially operational and has no SPCC oil storage at this time.

Building/Site Name: JOINT USE WASTE STAGING FACILITY

Operator: ATK Launch Systems

Environmental Contact: 861-7372

2.0 DESCRIPTION OF OIL STORAGE

Container: **66336-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 0 - 55 Gallons

Materials Stored: Used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Blind sump within building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to and from this facility in 55-gallon drums. Up to 60 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment building is directed to a closed sump and inspected for the presence of oil.

If deemed to be free of oil, accumulated liquid is discharged to one of two sump pits located south of the building.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from a drum would be directed to a closed sump located south of the drum storage area. Overflows would accumulate in the immediate vicinity of the drum storage area and would not exit the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **66336-2**

Container Type: 55-Gallon Drum

Container Capacity: Up to 0 - 55 Gallons

Materials Stored: Product oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Blind sump within building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Product oil is transferred to and from this building in 55-gallon drums. Up to 60 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to one of two sump pits located south of the building.

Any liquid accumulated in the floor of the secondary containment building is directed to a closed sump and inspected for the presence of oil.

Spill Route Details: A leak from a drum would be directed to one of three closed sumps located in this drum storage area. Overflows would accumulate in the immediate vicinity of the drum storage area and would not exit the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **66336-3**

Container Type: 55-Gallon Drum

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Capacity: Up to 0 - 55 Gallons

Materials Stored: Product oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Blind sump within building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Product oil is transferred to and from this facility in 55-gallon drums. Up to 60 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment building is directed to a closed sump and inspected for the presence of oil.

If deemed to be free of oil, accumulated liquid is discharged to one of two sump pits located south of the building.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A leak from a drum would be directed to one of three closed sumps located in this drum storage area. Overflows would accumulate in the immediate vicinity of the drum storage area and would not exit the building.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all drums storing new and used oil.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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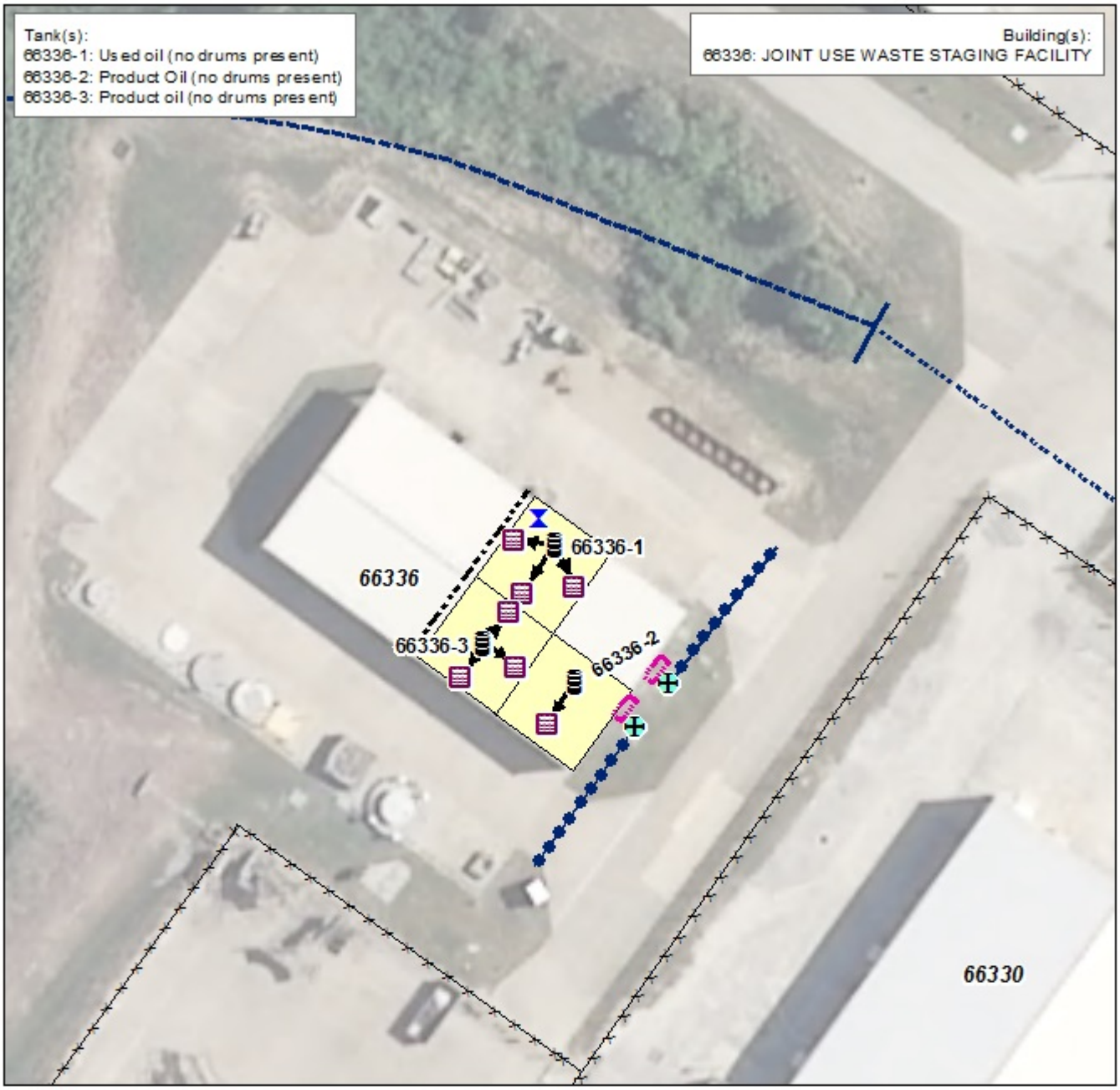
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #705
Nov 10, 2014

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L6-0247

Description: Oil storage associated with this building includes hydraulic oil stored in equipment associated with an orbiter actuator test stand, a hydraulic test stand, and building elevators, and new and used oil stored in 55-gallon drums.

Building/Site Name: BFF MANUFACTURING BUILDING

Operator: ATK Launch Systems

Environmental Contact: 861-7372

2.0 DESCRIPTION OF OIL STORAGE

Container: **L6-0247-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 0 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Steel secondary containment structure

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New and used oil is transferred to and from this facility in 55-gallon drums. Up to 2 drums are stored at this site at a time. There are currently no 55 gallon drums at this location (Room 1105A). Small amounts are used and added to these drums with normal operations.

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

Residual liquid is cleaned up using spill kit materials. Oil contaminated materials are then properly disposed of.

Spill Route Details: A leak from a drum would be contained within the steel secondary containment structures (overpack containers). Overflows would travel out onto the concrete floor surface of the building and flow west exiting a garage door and accumulating on the paved parking lot surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **L6-0247-2**

Container Type: Process Equipment

Container Capacity: 75 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A leak from the CATS hydraulic reservoir (Room 1105A) or spill during tank filling operations would flow out onto the concrete floor surface and travel west, exiting a garage door and accumulating on the paved surface of the parking lot.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **L6-0247-3**

Container Type: 55-Gallon Drum

Container Capacity: 55 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: May-14

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Steel secondary containment structure

Secondary Containment Volume: >55 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Hydraulic oil is stored in 55 gallon drums. Small amounts are transfered to the ADAPTS test stand unit on an as-needed basis.

Secondary Containment Drainage Procedure: Residual liquid is cleaned up using spill kit materials. Oil contaminated materials are then properly disposed of.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

Spill Route Details: A spill or leak from the drum would be contained within the steel secondary containment structure (overpack container). A spill escaping the secondary containment or during oil transfer activities would flow out onto the concrete floor surface and accumulate in the immediate vicinity. There are no floor drains in the immediate vicinity of the drum storage area.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **L6-0247-6**

Container Type: Process Equipment

Container Capacity: 85 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed:

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Steel hard lines and steel flex lines

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an infrequent and as-needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A leak from the CNC tube bender (Room 1114) would flow out onto the floor surface of the room. An absorbant sock is placed around the existing floor drain to capture any small amount of a possible accidental release.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **L6-0247-9**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type:	Process Equipment
Container Capacity:	75 Gallons
Materials Stored:	Hydraulic oil
Fail Safe Features:	Visual Level indication
Construction Details:	Single walled steel tank
Date Installed:	Jan-12
Integrity Test Method:	Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Secondary containment pallet
Secondary Containment Volume:	>75 Gallons
Piping Type:	Aboveground
Corrosion Protection:	N/A
Piping Details:	Single-walled steel
Oil Fill and Transfer Details:	This reservior is filled on an as-needed basis by ATK personnel.
Secondary Containment Drainage Procedure:	The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan. Any liquid accumulated in the containment is inspected for the presence of a sheen or odor. If deemed to be free of oil, accumulated liquid is discharged to the ground surface. If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.
Spill Route Details:	A spill or leak from the ADAPTS hydraulic reservior (Room 1109) would accumulate in the secondary containment. Overflows would flow out onto the concrete floor surface and accumulate in the immediate vicinity.
Maximum Refueling/Vacuum Truck Capacity:	N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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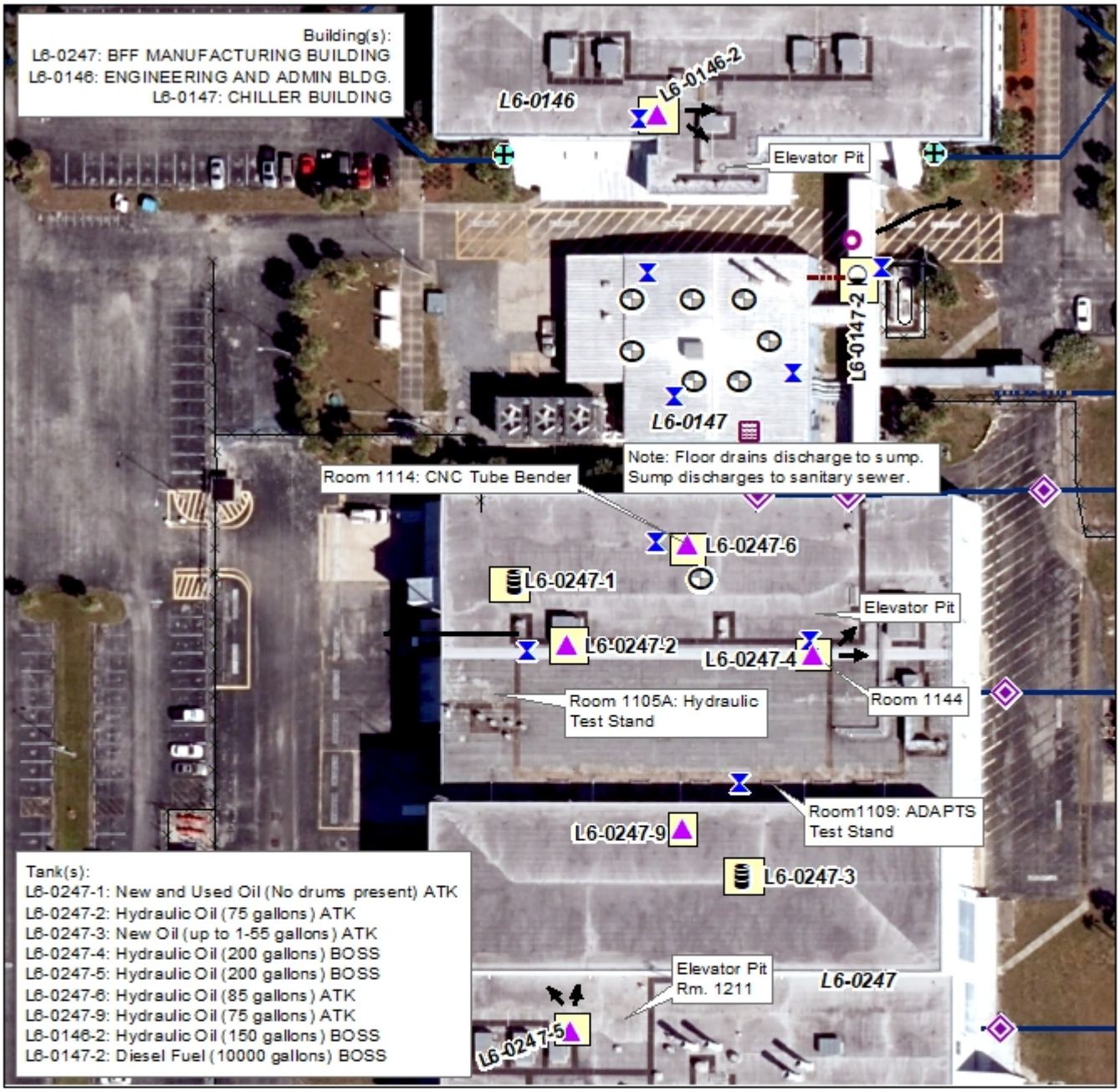
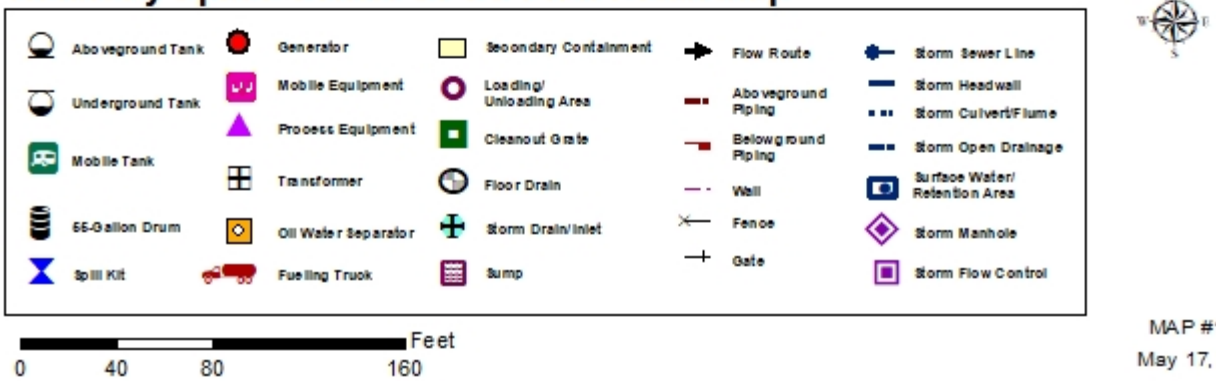
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #108
May 17, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L6-0248

Description: Oil storage associated with this facility includes hydraulic oil and used oil stored in 55-gallon drums.

Building/Site Name: SERVICE BLDG EAST OF MANUF BLDG

Operator: ATK Launch Systems

Environmental Contact: 861-7372

2.0 DESCRIPTION OF OIL STORAGE

Container: **L6-0248-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 18 - 55 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: None

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Blind sump within building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Hydraulic oil is transferred to and from this facility in 55-gallon drums. Up to 18 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill or leak from a drum would flow out onto the concrete floor surface of the building and into a blind sump located in the center of Room S-101-A.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums storing new and used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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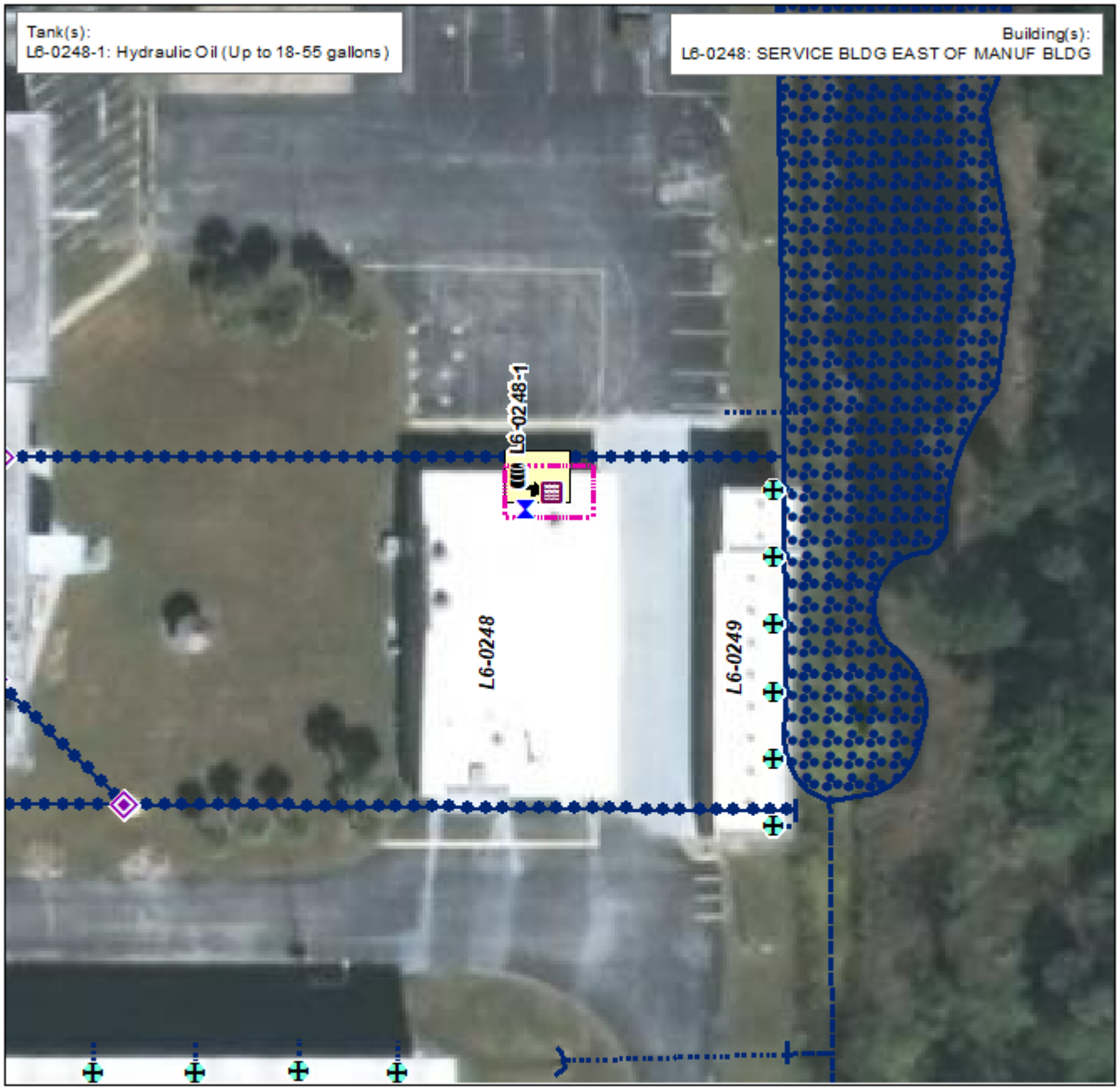
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #604
Apr 19, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L6-0295

Description: Oil storage associated with this facility includes 55-gallon drums containing used oil. This facility is only partially operational and has no SPCC regulated oil storage at this time.

Building/Site Name: HAZARDOUS WASTE STAGING AREA

Operator: ATK Launch Systems

Environmental Contact: 861-7372

2.0 DESCRIPTION OF OIL STORAGE

Container: **L6-0295-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 0 - 55 Gallons

Materials Stored: Used oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Closed containment sump within building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to and from this facility in 55-gallon drums. Up to 6 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment building is directed to a closed sump and inspected for the presence of oil.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from a drum would flow to a sump located in the southwest portion of the building. This sump has a drain valve at a higher elevation than the sump; therefore, liquid must be pumped out of the sump to be removed. The pump must be manually activated.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums storing used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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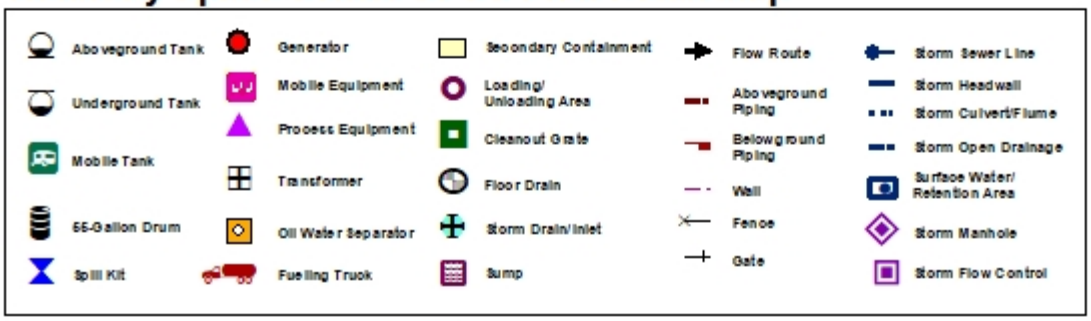
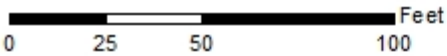
Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map





MAP #605
May 3, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L7-0202

Description: Oil storage tat this facility includes new and used hydraulic fluid stored in 55-gallon drums.

Building/Site Name: POL STORAGE BUILDING FOR AFT SKIRT TEST FACILITY

Operator: ATK Launch Systems

Environmental Contact: 861-7372

2.0 DESCRIPTION OF OIL STORAGE

Container: **L7-0202-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 8 - 55 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: None

Construction Details: Steel or plastic drum

Date Installed: 06/04/2018

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: New and used hydraulic fluid is transferred to and from this facility in 55-gallon drums. Up to 8 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from a drum would be contained within the secondary containment floor of the building. Overflows due to failure of the secondary containment system would exit the building and travel west infiltrating into the unpaved surface and/or accumulating in the immediate vicinity. There are no nearby storm drains or drainage ditches.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all drums storing new and used oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #105
Apr 19, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: L7-0251

Description: Oil storage associated with this facility includes an aboveground tank containing hydraulic oil associated with AFT skirt test equipment and an oil-filled transformer. The oil-filled transformer falls under the responsibility of the Institutional Services Contract (ISC).

Building/Site Name: AFT SKIRT TEST BUILDING

Operator: ATK Launch Systems

Environmental Contact: 861-7372

2.0 DESCRIPTION OF OIL STORAGE

Container: **L7-0251-1**

Container Type: Process Equipment

Container Capacity: 100 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Direct vision gauge

Construction Details: Single walled steel tank

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a quarterly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Metal containment tray

Secondary Containment Volume: 137 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Small amounts of hydraulic oil are added to this tank as-needed by ATK personnel.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: A leak from the hydraulic tank cart would be contained within the secondary containment tray located beneath the tank. Overflows would flow out onto the concrete floor surface and be contained within the building. A floor drain located behind the hydraulic tank that is connected to the sanitary sewer has been plugged.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

3. Secondary containment is provided for all tanks storing oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #105
Apr 19, 2018

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B-4 Kennedy Space Center Visitor's Center Concessionaire

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J6-1874

Description: Oil storage associated with this building includes a diesel emergency generator and tank.

Building/Site Name: SUPPORT BUILDING FOR SATURN V FACILITY

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **J6-1874-1**

Container Type: Tank

Container Capacity: 335 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Interstitial monitor

Visual Level indication

Construction Details: Double walled steel tank

Date Installed: 11/16/2016

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 368.5 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the facilities maintenance truck (M6-0505-1). The fuel tank is equipped with a spill containment lip around the fill port. Fuel transfers are conducted in accordance with KSC SPCC Plan Table 4.7: Oil Fill and Transfer Operations Procedure. Any fuel spilled during transfer operations shall be cleaned up immediately and petroleum contaminated material disposed of in accordance with KNPR 8500.1.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

The interstitial space is checked monthly for fluid.

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. A leak exiting the secondary tank wall or a spill occurring during fueling operations would flow out onto the ground surface and travel southwest towards a storm drain located in the vicinity. This storm drain discharges to Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 100 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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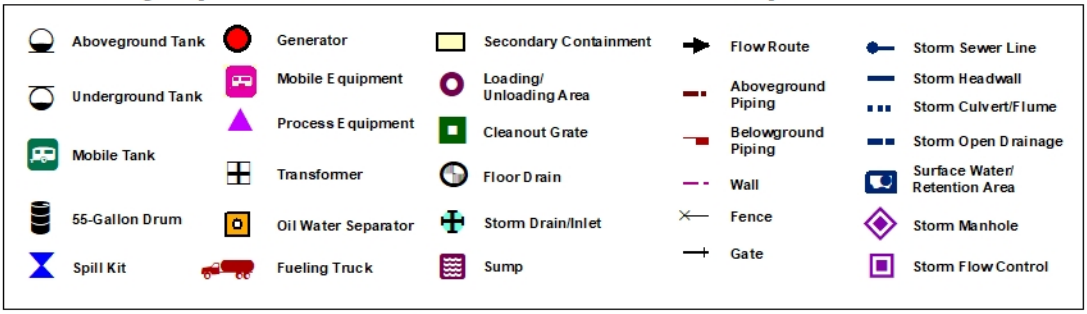
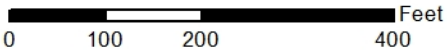
Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map





MAP #161
Dec 14, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J6-1924

Description: Oil storage associated with this facility includes a hydrualic elevator and containers used to store waste cooking oil generated at the facility cafeteria.

Building/Site Name: APOLLO/SATURN 5 DISPLAY FACILITY

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **J6-1924-1**

Container Type: Aboveground Tank

Container Capacity: 240 Gallons

Materials Stored: Waste cooking oil

Fail Safe Features: Level gauge

Graduated dipstick

Construction Details: Double walled steel tank

Date Installed: 11/30/2018

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >240 Gallons

Piping Type: N/A

Corrosion Protection: Protective Coating

Piping Details: N/A

Oil Fill and Transfer Details: Waste cooking oil is manually transferred to this tank by cafeteria employees. Prior to adding oil to the drum, the amount of available storage capacity in the tank is checked visually to ensure that the addition will not result in an overfill. The tank is emptied on an as-needed basis by an offsite waste cooking oil recycling contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the tank or a spill occurring during oil transfers would flow out onto the ground surface and travel north along a paved road to a dry retention pond. The pond control structure outfalls to Banana Creek. Oil sheen on the pond surface is skimmed off of the pond surface and containerized for proper disposal.

Maximum Refueling/Vacuum Truck Capacity: 3800 Gallons

Container: **J6-1924-2**

Container Type: Elevator

Container Capacity: 136 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: Visual Level indication

Construction Details: Single walled steel tank

Date Installed: N/A

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Oil is added to or removed from this elevator in small quantities as part of general maintenance procedures.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic reservoir, or a spill occurring during fill and transfer activities would be contained within the building. There are no floor drains in the vicinity. A leak in a piston would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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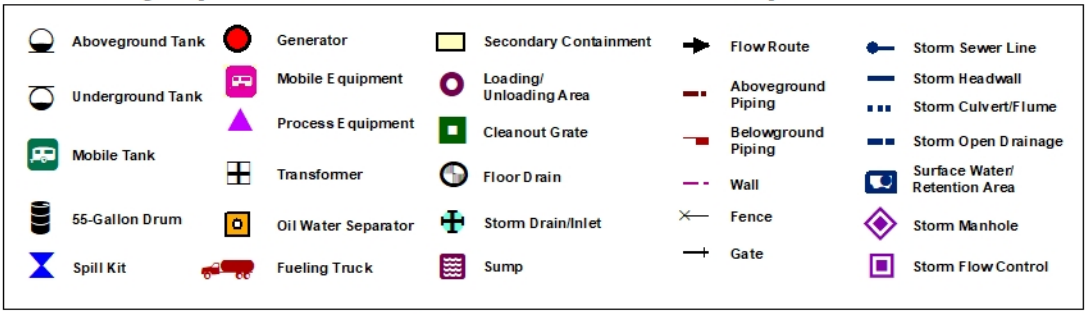
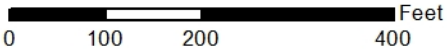
Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map





MAP #161
Dec 14, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: J6-2026

Description: Oil storage at with this facility includes diesel fuel associated with a integrated portable generator system within the Jumbotron trailer.

Building/Site Name: BANANA CREEK VIEWING SITE

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **J6-2026-1**

Container Type: Mobile Tank

Container Capacity: 84 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Single-walled steel tank within a secondary containment

Date Installed: 10/2016

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Steel secondary containment structure

Secondary Containment Volume: 92 Gallons

Piping Type: Aboveground

Corrosion Protection:

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by DNC Exhibits mobile refueling tank (M6-0505-1). Fuel transfers are conducted in accordance with KSC SPCC Plan Table 4.7: Oil Fill and Transfer Operations Procedure. Any fuel spilled during transfer shall be cleaned up immediately, and petroleum-contaminated material disposed of in accordance with KNPR 8500.1.

Secondary Containment Drainage Procedure: Any liquid accumulated in the secondary containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak form the secondary containment or a spill occurring during generator fueling operations would flow out onto the ground surface and travel northeast over a grass slope into the surface waters of Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 93 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities will receive training in the safe handling of oil in accordance with Section 3.0 of the SPCC Plan.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify Supervisor and Facility Manager.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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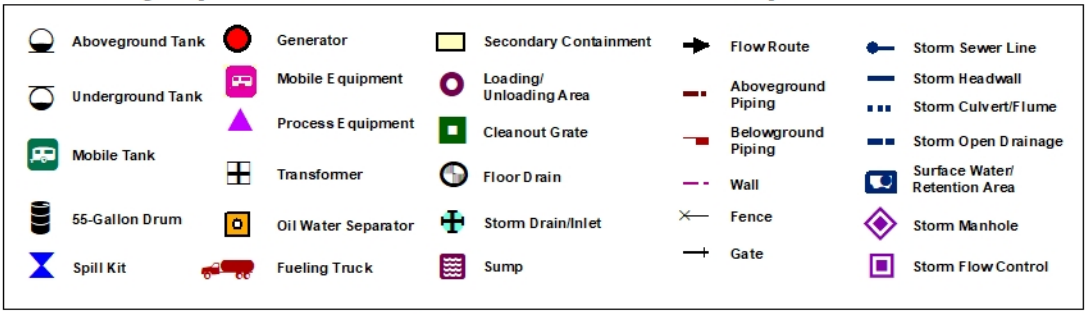
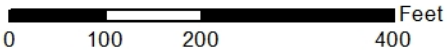
Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map





MAP #161
Dec 14, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0213

Description: Oil storage associated with this building consists of hydraulic oil reserviors associated with building elevators.

Building/Site Name: SPACE SHUTTLE LAUNCH EXPERIENCE- ATLANTIS EXHIBIT

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0213-1**

Container Type: Elevator

Container Capacity: 173 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Visual Level indication

Construction Details: Single walled steel tank

Date Installed: May-07

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Oil is added or removed from this elevator in small quantities as part of general maintenance activities.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir, or a spill occurring during fill and transfer activities would be contained within the building. There are no floor drains in the vicinity. A leak in a piston would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0213-2**

Container Type: Elevator

Container Capacity: 173 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Visual Level indication

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Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details: Single walled steel tank

Date Installed: Jun-13

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Oil is added to or removed from this elevator in small quantities as part of general maintenance activities.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir, or a spill occurring during fill and transfer activities would be contained within the building. There are no floor drains in the vicinity. A leak in a piston would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0213-3**

Container Type: Elevator

Container Capacity: 163 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Visual Level indication

Construction Details: Single walled steel tank

Date Installed: Jun-13

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Oil is added to or removed from this elevator in small quantities as part of general maintenance activities.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir, or a spill occurring during fill and transfer activities would be contained within the building. There are no floor drains in the vicinity. A leak in a piston would be contained within the elevator pit.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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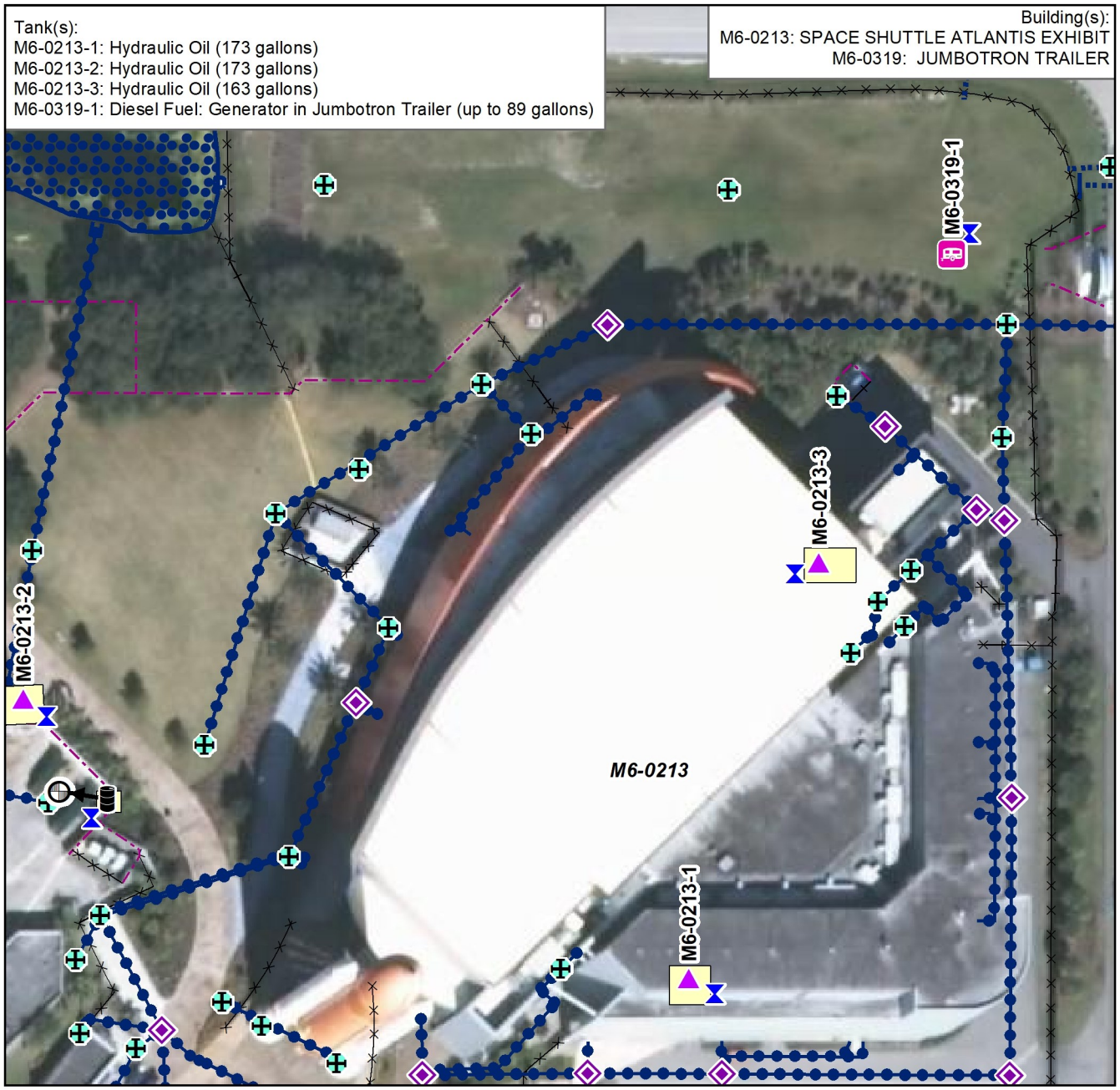
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #725
May 18, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0319

Description: The chiller plant houses the Atlantis Exhibit HVAC system, and also is the storage location for a Jumbotron mobile projection TV system. Oil storage associated with this facility includes a diesel fuel storage tank powering the Jumbotron trailer electric power generator.

Building/Site Name: CHILLER PLANT

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0319-1**

Container Type: Mobile Tank

Container Capacity: 84 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge

Construction Details: Single walled steel tank

Date Installed: 10/01/2016

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Steel secondary containment structure

Secondary Containment Volume: 92 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by DNC Exhibits'mobile refueling tank (M6-0505-1). Fuel Transfers are conducted in accordance with KSC SPCC Plan Table 4.7:Oil fill and Transfer operations Procedure. Any fuel spilled during transfer operations shall be cleaned up immediately and petroleum contaminated material disposed in accordance with KNPR 8500.1

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the secondary containment or a spill occurring during generator refueling operations would flow out onto the ground surface and travel south over a grass slope into a wooded area east of the KSCVC.

Maximum Refueling/Vacuum Truck Capacity: 93 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.
3. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Cleanup with inhouse capability, if available.
5. Notify supervisor or facility manager who will follow the procedures outlined below.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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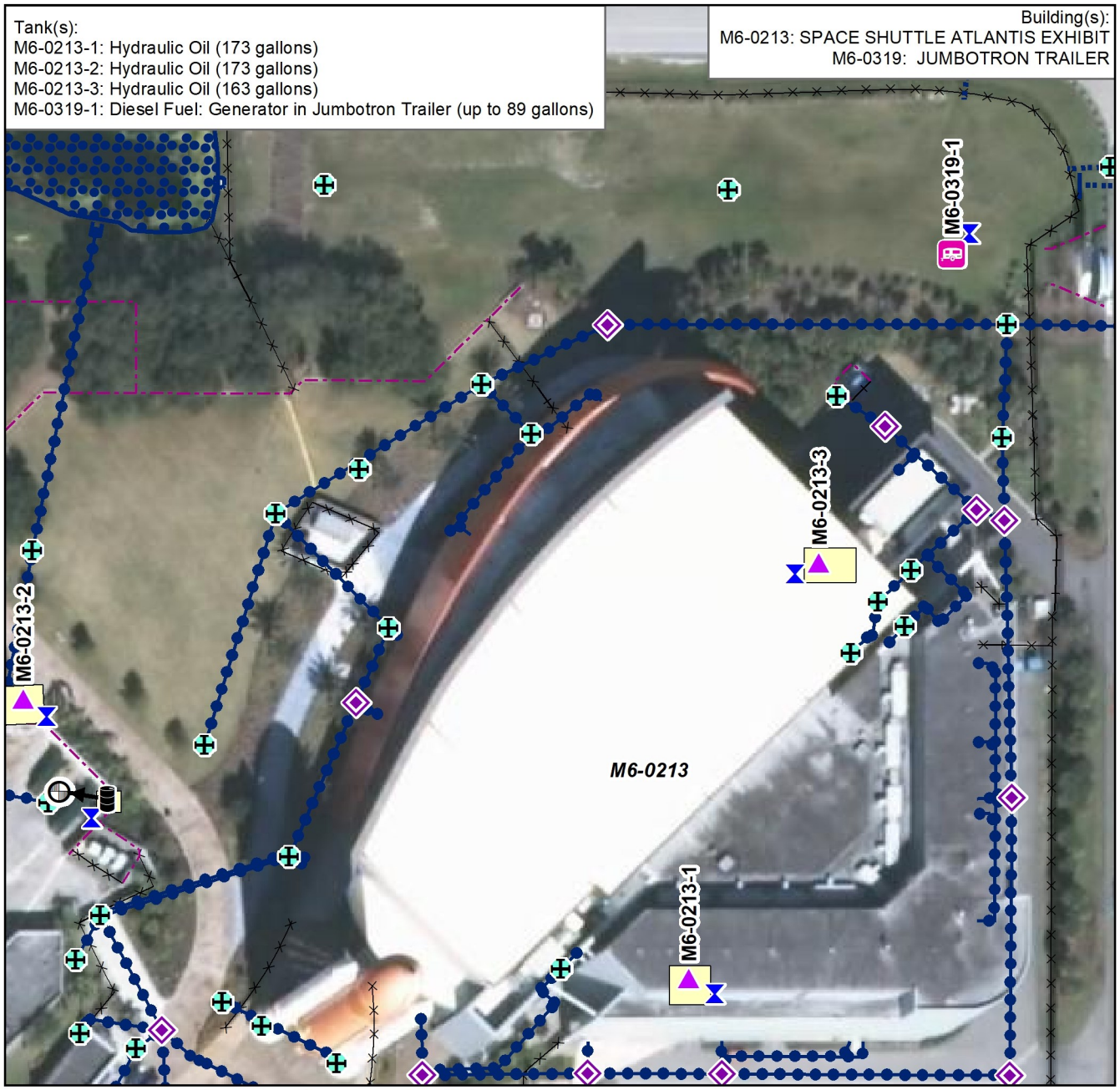
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #725
May 18, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0409

Description: Oil storage associated with this facility include hydraulic oil associated with a building elevator.

Building/Site Name: SPACEPORT CENTRAL

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0409-1**

Container Type: Elevator

Container Capacity: 224 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: N/A

Construction Details: Single walled steel tank

Date Installed: 1986

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is added to or removed from this elevator in small quantities as part of general maintenance activities.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir, or spill occurring during fill and transfer activities would be contained within the building. There are no floor drains in the vicinity. A leak in a piston would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0409-4**

Container Type: Aboveground Tank

Container Capacity: 302 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Level gauge

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Kennedy Space Center Site-Specific SPCC Plan Data

	High temperature alarms
Construction Details:	Single walled steel tank
Date Installed:	08/31/2017
Integrity Test Method:	Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.
Secondary Containment Details:	Steel containment structure
Secondary Containment Volume:	365 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Single-walled steel
Oil Fill and Transfer Details:	Small amount of oil is added by trained facility maintenance staff on an as-needed basis.
Secondary Containment Drainage Procedure:	Any liquid accumulated in the containment is inspected for the presence of a sheen or odor. If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.
Spill Route Details:	The pump, tank and secondary containment are an integral skid assembly located in the electrical/equipment room, which is on the ground floor and immediately adjacent to the 4D theater. Hydraulic is routed (approximately 15 linear feet) from the pumping system to the 4D theater's isolated and hydraulically actuated floor. The actuated floor is level with the ground floor elevation and contained within a cast in place concrete sub structure (basement), approximately 35ft x 23ft x 7ft deep. A leak from the tank would be confined within the secondary containment. A minor spill from secondary containment would spill on to the concrete floor of the electrical/equipment room at ground level. A substantial spill from secondary containment or piping may flow into the adjacent concrete sub structure. There is no potential for discharge once fluid reached the sub structure elevation.
Maximum Refueling/Vacuum Truck Capacity:	N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.

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Kennedy Space Center Site-Specific SPCC Plan Data

3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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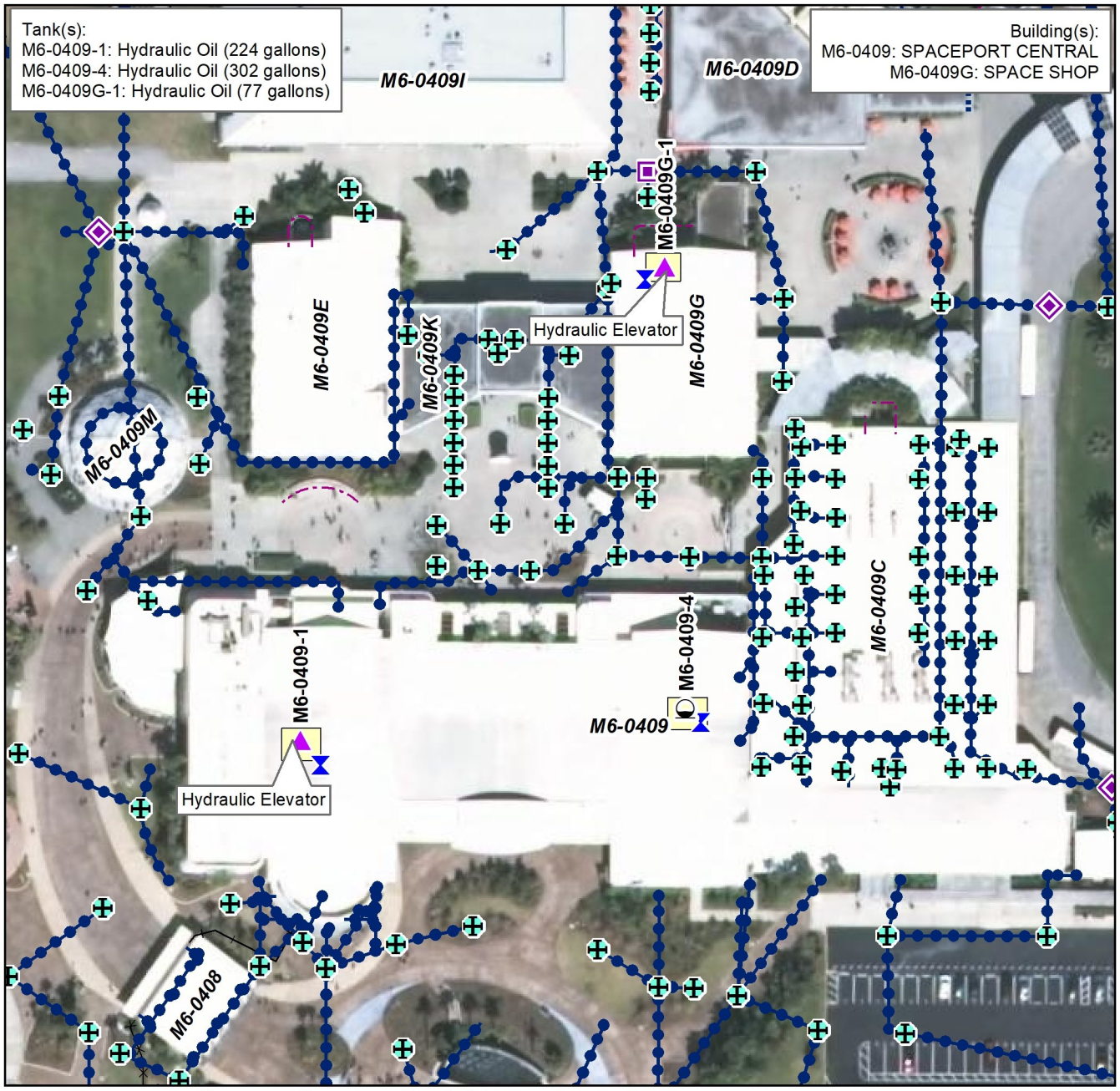
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 50 100 200 Feet

MAP #326
May 31, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0409D

Description: Oil storage associated with this facility includes waste cooking grease directed to a below ground grease trap and waste cooking oil stored in an above ground container.

Building/Site Name: CAFETERIA

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0409D-1**

Container Type: Aboveground Tank

Container Capacity: 240 Gallons

Materials Stored: Waste cooking oil

Fail Safe Features: Direct vision gauge on tank

Graduated dipstick

Construction Details: Double walled steel tank

Date Installed: 11/2018

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >240 Gallons

Piping Type: N/A

Corrosion Protection: Protective Coating

Piping Details: N/A

Oil Fill and Transfer Details: Waste cooking oil is added to the tank by cafeteria employees, using a manual pump cart, or by manually pouring using smaller containers. The amount of available storage capacity is checked prior to adding the oil. This tank is emptied on an as-needed basis by an off-site recycling contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this container or a spill occurring during tank loading/unloading operations would flow out onto the paved surface and travel west to a sanitary sewer drain located in the immediate vicinity.

Maximum Refueling/Vacuum Truck Capacity: 3800 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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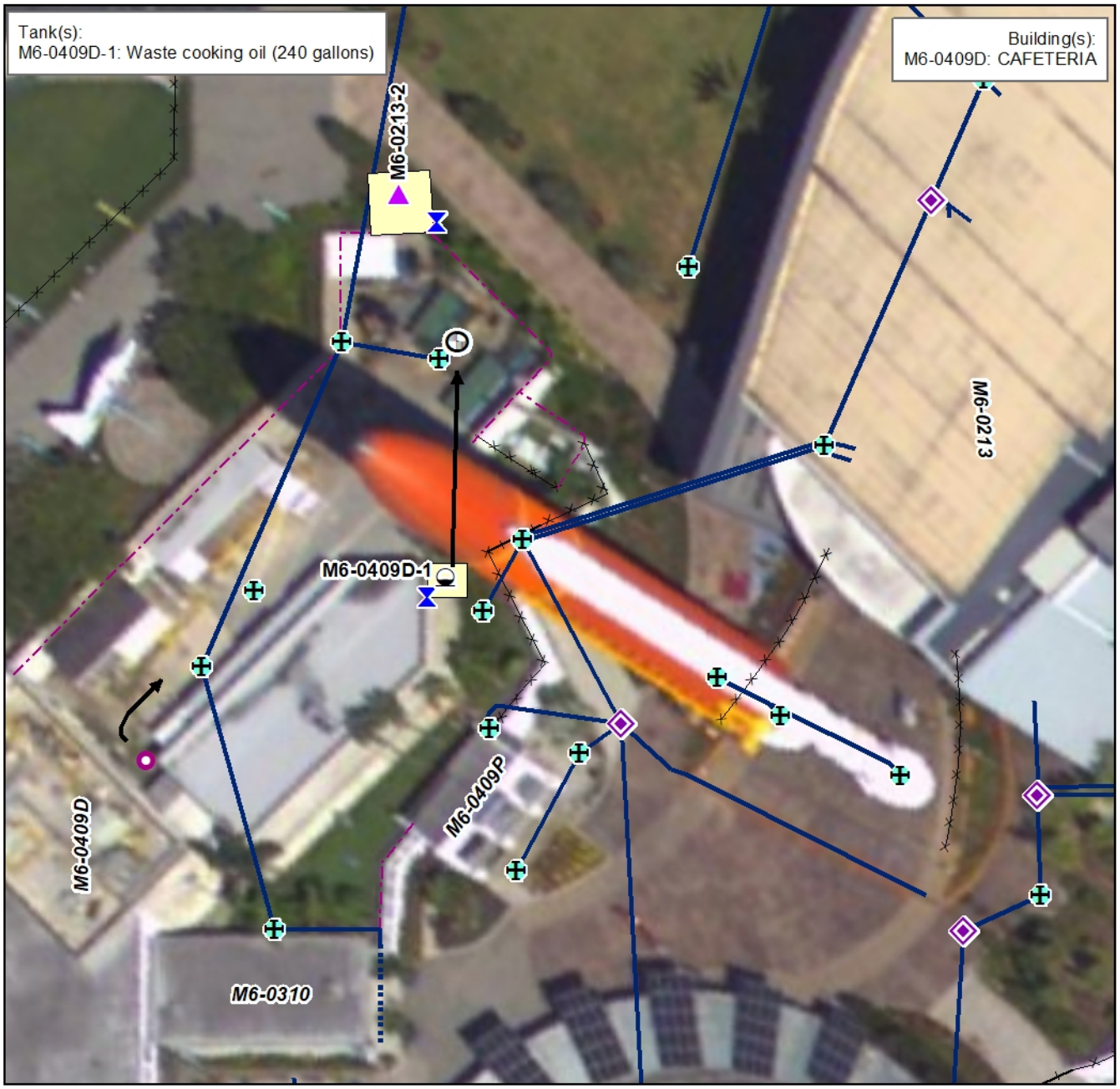
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

0 25 50 100 Feet

MAP #327
Dec 14, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0409G

Description: Oil storage associated with this building includes hydraulic oil associated with a building elevator.

Building/Site Name: SOUVENIR SALES BUILDING

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0409G-1**

Container Type: Elevator

Container Capacity: 77 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Visual Level indication

Construction Details: Single walled steel tank

Date Installed: May-96

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Elevator located within building

Secondary Containment Volume: N/A

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: Oil is added to or removed from this elevator in small quantities as part of general maintenance activities.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic oil reservoir, or a spill occurring during fill and transfer activities would be contained within the building. There are no floor drains in the vicinity. A leak in a piston would be contained within the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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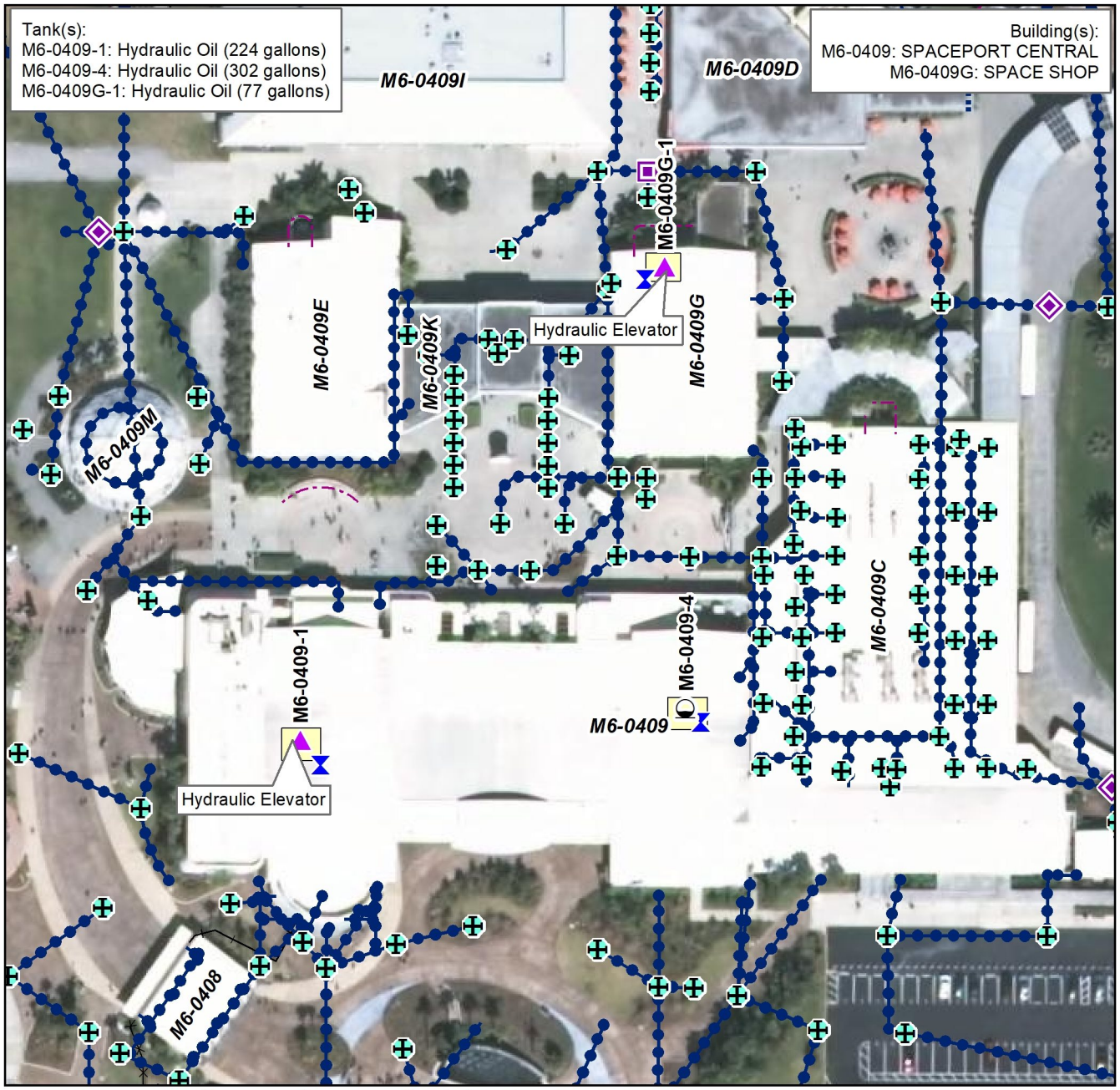
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 50 100 200 Feet

MAP #326
May 31, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0410

Description: Oil storage associated with this building includes an emergency generator and diesel fuel tank.

Building/Site Name: KSC VISITORS CENTER ADMIN BLDG

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0410-1**

Container Type: Aboveground Tank

Container Capacity: 136 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon valve

Level gauge

Emergency overfill alarm

Interstitial monitor and alarm

Construction Details: Double walled steel belly tank

Date Installed: 06/2014

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 138 Gallons

Piping Type: N/A

Corrosion Protection: Protective Coating

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the facilities maintenance staff.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. A leak exiting the secondary tank or a spill occurring during fueling operations would flow out onto the ground surface and travel west towards a storm drain located in the vicinity. The storm drain discharges into a stormwater retention basin designated as a wetland.

Maximum Refueling/Vacuum Truck Capacity: 93 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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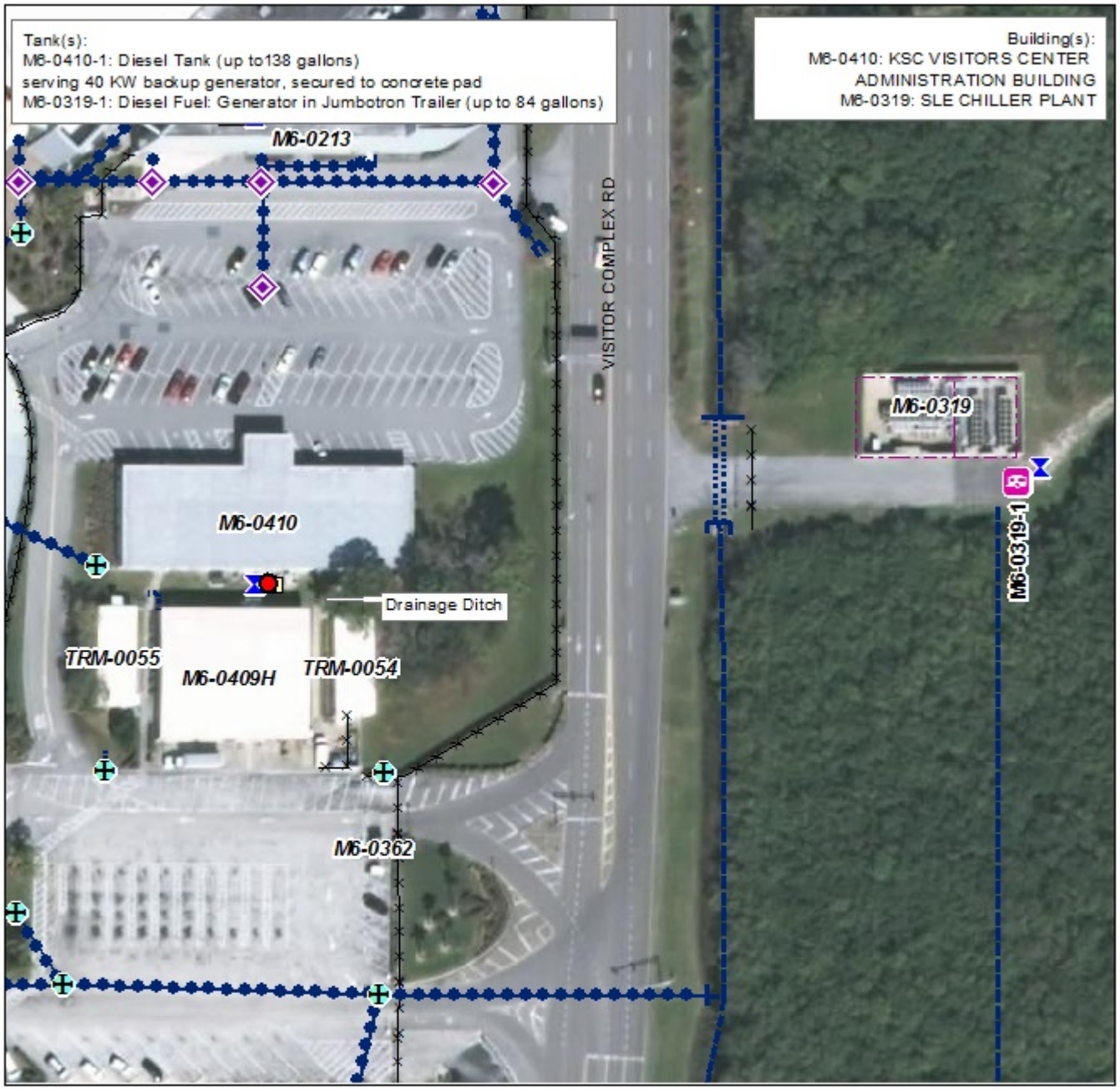
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 50 100 200 Feet

MAP #740
Nov 10, 2017

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0455

Description: Oil storage associated with this facility includes new and used oil in tanks and 55-gallon drums.

Building/Site Name: TOUR BUS SERVICING BUILDING

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0455-2**

Container Type: Tank

Container Capacity: 500 Gallons

Materials Stored: Used oil

Fail Safe Features: Interstitial monitor

Direct vision gauge on tank

Construction Details: 2 compartment steel double walled tank (250 gallons in each)

Date Installed: Dec-08

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >250 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is added to this tank by fleet maintenance employees. This tank is pumped out by the KSC used oil contractor and disposed of according to applicable regulations.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If deemed to be oily wastewater, accumulated liquid is discharged to the Buswash/Enginewash Recycle system Reservoir.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

Spill Route Details: A leak from this tank or a spill occurring during tank fill or tank unloading operations would flow out onto the paved surface and travel southeast, towards a drainage channel which discharges into the Indian River.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity:	2000 Gallons
Container:	**M6-0455-3**
Container Type:	Tank
Container Capacity:	250 Gallons
Materials Stored:	New Oil
Fail Safe Features:	Direct vision gauge on tank Interstitial monitor
Construction Details:	Double walled steel tank
Date Installed:	Dec-08
Integrity Test Method:	Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan. Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Double walled tank
Secondary Containment Volume:	>250 Gallons
Piping Type:	N/A
Corrosion Protection:	N/A
Piping Details:	N/A
Oil Fill and Transfer Details:	This tank is filled on an as-needed basis by an off-site oils contractor.
Secondary Containment Drainage Procedure:	Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor. If deemed to be oily wastewater, accumulated liquid is discharged to the Buswash/Enginewash Recycle system Reservoir. If deemed to be free of oil, accumulated liquid is discharged to the ground surface.
Spill Route Details:	A leak from this tank or a spill occurring during tank fill operations would be contained within the secondary containment. A spill occurring during tank unloading operations would flow out onto the paved surface and travel southeast, towards a drainage channel which discharges into the Indian River.
Maximum Refueling/Vacuum Truck Capacity:	2000 Gallons
Container:	**M6-0455-7**
Container Type:	55-Gallon Drum
Container Capacity:	55 Gallons
Materials Stored:	Used oil filters
Fail Safe Features:	N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil filters are added to this drum periodically by fleet maintenance personnel. This drum is picked up by MESC Waste Management personnel when full.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the overpack drum inspected for the presence of a sheen or odor.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill from the drum and transfers of used oil would be contained in the secondary containment pallet. A spill from unloading the drum would flow southeast towards a drainage channel which discharges to the Indian River.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0455-8**

Container Type: 55-Gallon Drum

Container Capacity: 55 Gallons

Materials Stored: Used oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: 2006

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

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Kennedy Space Center Site-Specific SPCC Plan Data

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Plastic overpack

Secondary Containment Volume: 75 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Drum is filled directly from bus engine oil reservoir. When the drum is full, the contents are pumped to M6-0455-2.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be oily wastewater, accumulated liquid is discharged to the Buswash/Enginewash Recycle system Reservoir.

If deemed to be mostly oil, accumulated liquid is cleaned up using spill kit materials. Oil contaminated materials are then properly disposed of.

Spill Route Details: A spill from the drum would be contained in the overpack. A spill from the overpack would flow into the Buswash/Enginewash Recycle Reservoir system.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **M6-0455-9**

Container Type: 55-Gallon Drum

Container Capacity: 55 Gallons

Materials Stored: Transmission fluid

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: 2006

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Plastic overpack

Secondary Containment Volume: 75 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: A new drum is loaded into the overpack with a forklift. When empty, drum is removed from overpack with a forklift.

Secondary Containment Drainage Procedure: If deemed to be mostly oil, accumulated liquid is cleaned up using spill kit materials. Oil contaminated materials are then properly disposed of.

If deemed to be oily wastewater, accumulated liquid is discharged to the Buswash/Enginewash Recycle system Reservoir.

Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill from the drum would be contained in the overpack. A spill from the overpack would flow into the Buswash/Enginewash Recycle Reservoir system. When loading and unloading the drum, a spill from the drum would flow south to an existing surface water body.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Absorbent materials

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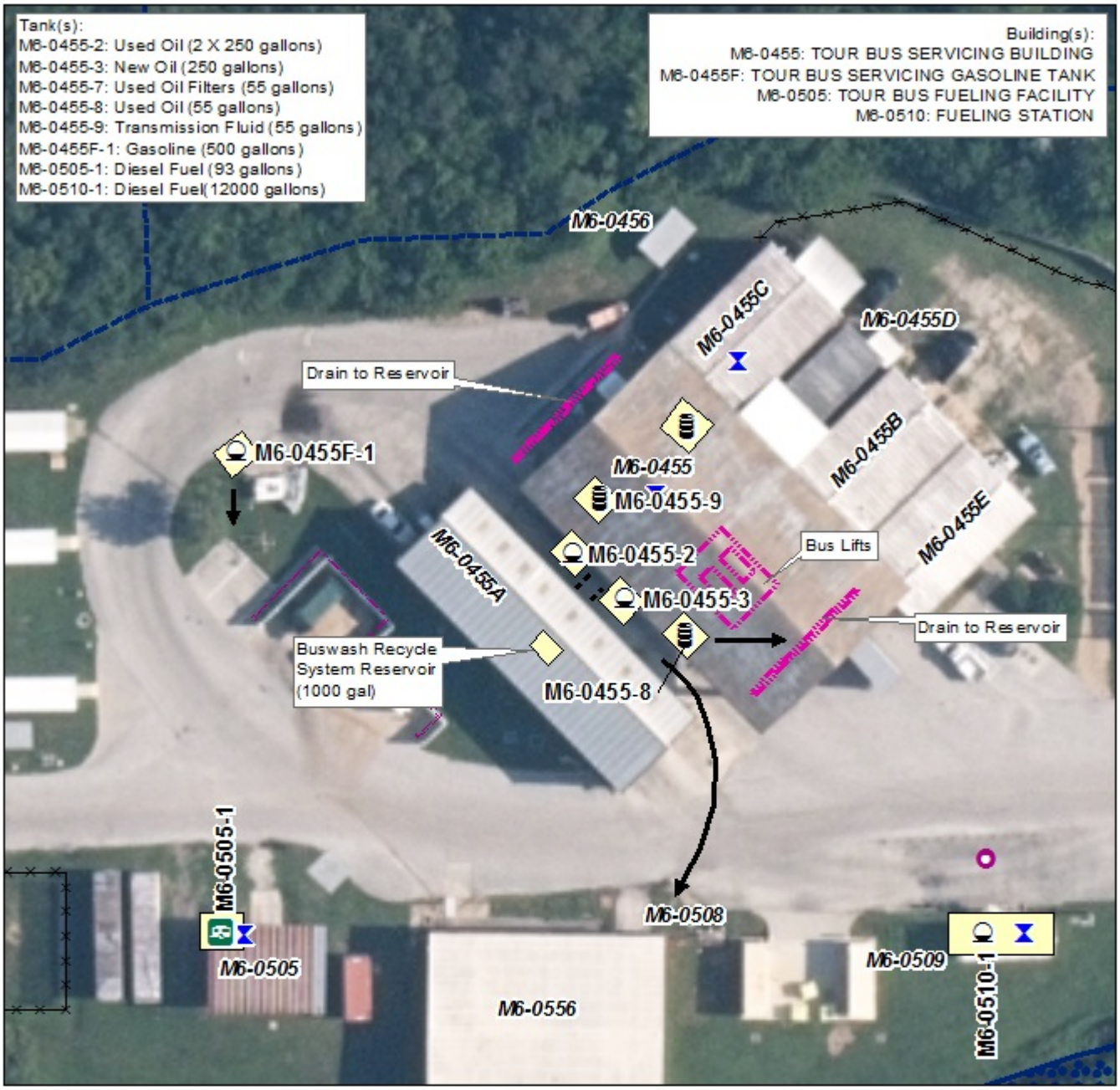
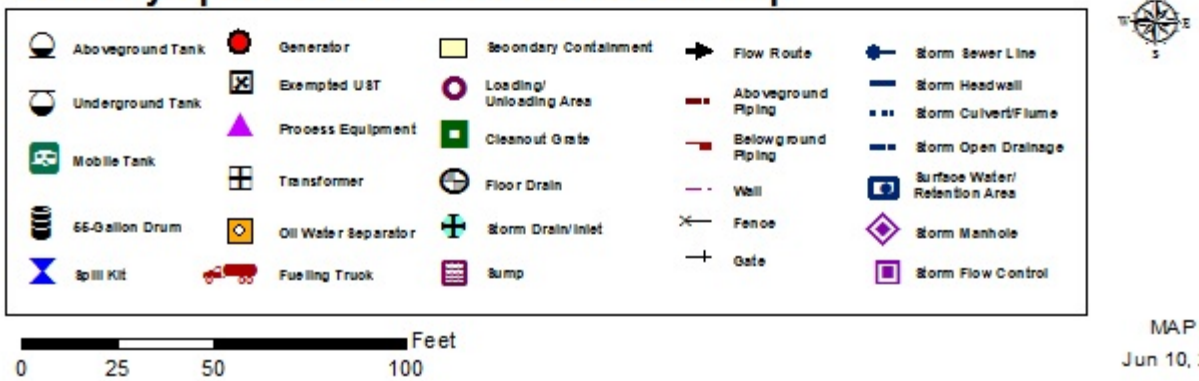
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #328
Jun 10, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0455F

Description: Oil storage at this facility consists of a 500-gallon gasoline aboveground storage tank.

Building/Site Name: TOUR BUS SERVICING FACILITY GASOLINE FUEL TANK

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0455F-1**

Container Type: Aboveground Tank

Container Capacity: 500 Gallons

Materials Stored: Gasoline

Fail Safe Features: Interstitial monitor

Direct vision clock gauge

Automatic overfill shut off valve

Construction Details: Concrete vaulted tank

Date Installed: Oct-08

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled by an off-site fuels contractor on an as-needed basis. The tank loading/unloading area is located southwest of the tank.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space of the secondary containment. Leaks or spills during tank fueling operations would flow out onto the paved surface adjacent to the tank and travel south on unpaved land towards a drainage canal which eventually discharges to the Indian River.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks storing oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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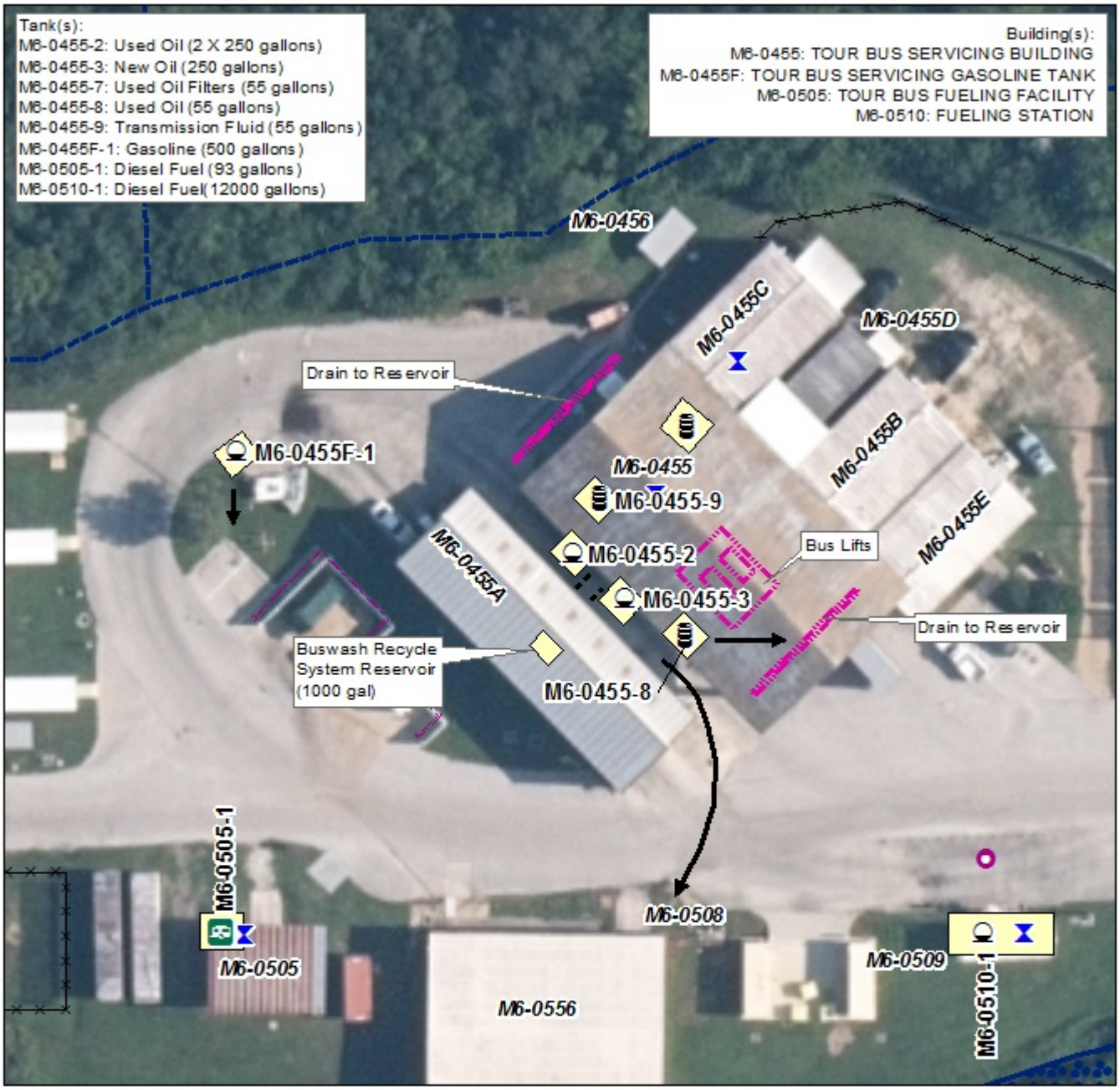
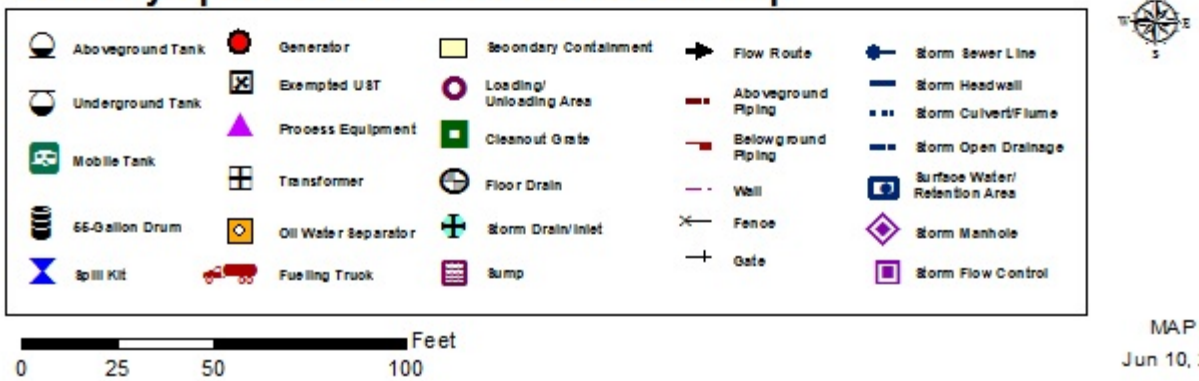
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0457

Description: Oil storage at this facility includes a hydraulic oil reservoir associated with the building's elevator.

Building/Site Name: HEROES AND LEGENDS EXHIBIT

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0457-1**

Container Type: Elevator

Container Capacity: 171 Gallons

Materials Stored: Hydraulic oil

Fail Safe Features: Visual Level indication

Construction Details: Single walled steel tank

Date Installed: 11/16/2016

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: N/A

Secondary Containment Volume: >171 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled iron

Oil Fill and Transfer Details: Hydraulic oil is added or removed from the elevator reservoir in small quantities as part of general maintenance activities.

Secondary Containment Drainage Procedure: Not applicable. Elevator unit is located within a building.

Spill Route Details: A leak in the hydraulic reservoir, or a spill during oil fill and transfer activities would be contained within the building. there are no floor drains in the vicinity. A leak in the piston would be contained in the elevator pit.

Maximum Refueling/Vacuum Truck Capacity: 100 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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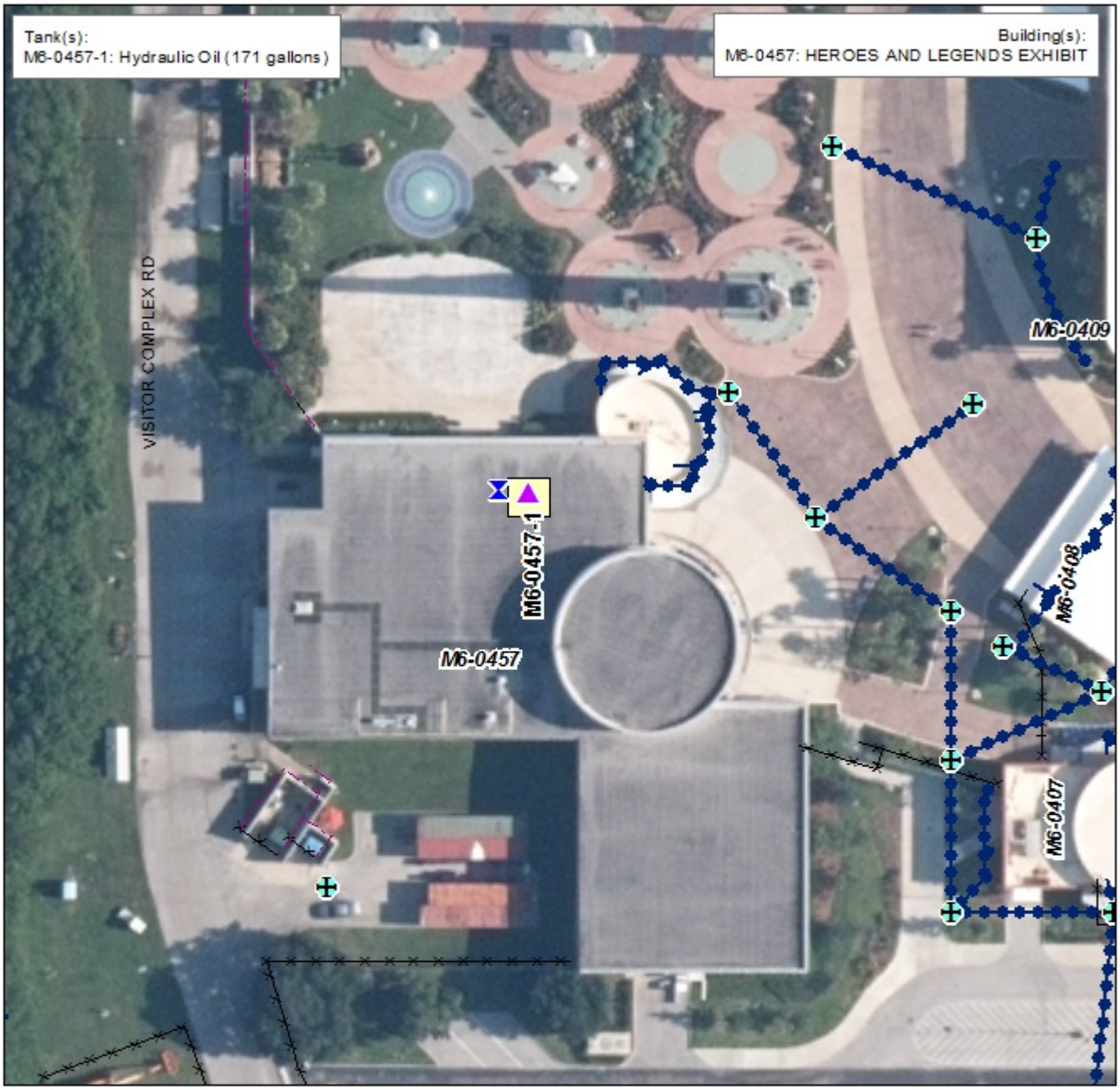
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

0 30 60 120 Feet

MAP #339
Dec 8, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0458

Description: Oil storage associated with this building includes a diesel emergency generator and tank.

Building/Site Name: COMMISSARY WAREHOUSE

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0458-1**

Container Type: Tank

Container Capacity: 79 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Leak detection system

Direct vision gauge

Construction Details: Double walled steel tank

Date Installed: Aug-06

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: 84 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the facilities maintenance mobile fuel trailer (M6-0552-1).

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from this tank would be contained within the interstitial space between the primary and secondary tank walls. Spills exiting the interstitial space would flow west to the parking lot and eventually to the storm drain.

Maximum Refueling/Vacuum Truck Capacity: 100 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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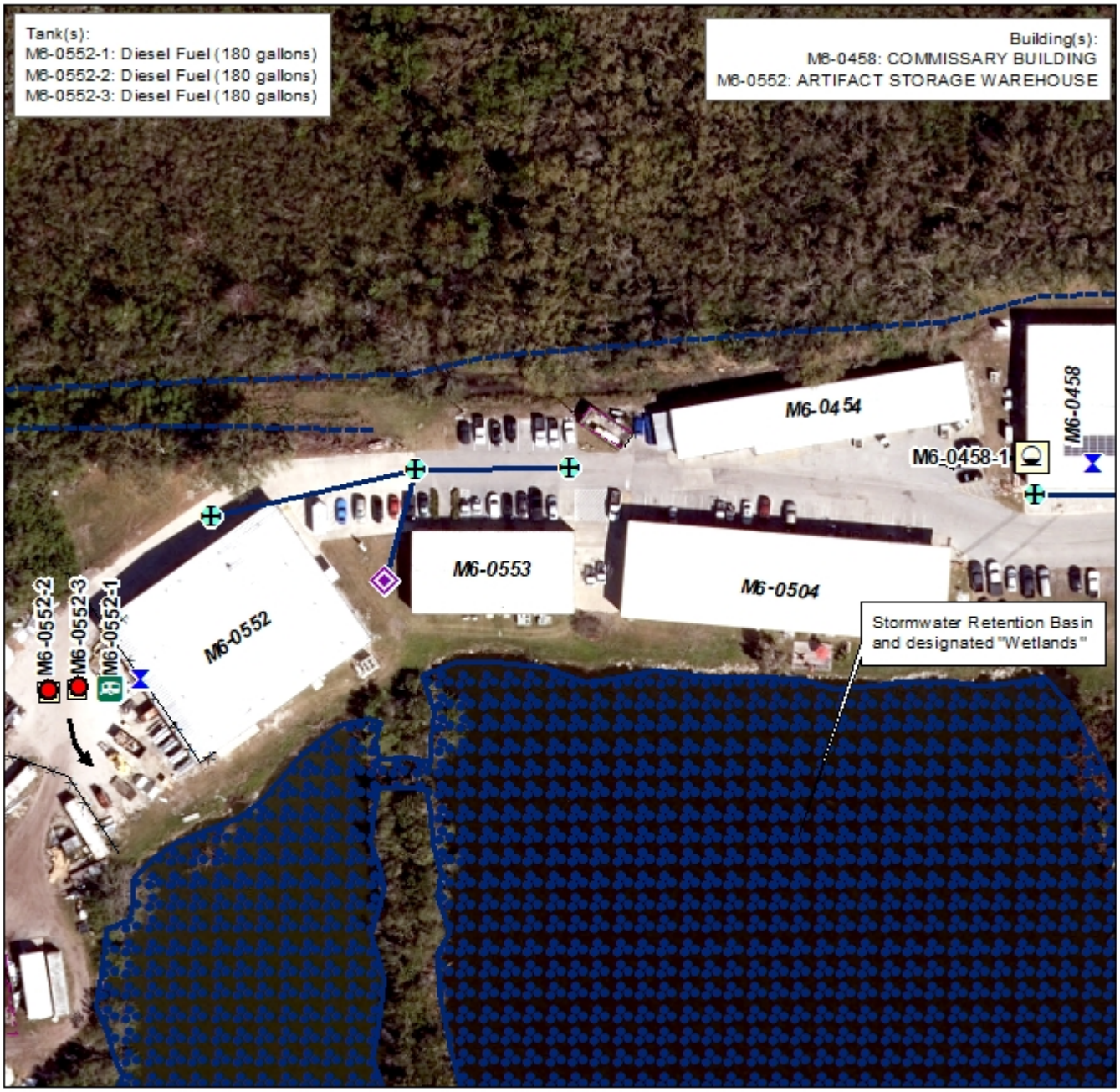
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 50 100 200 Feet

MAP #325
May 31, 2019

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0510

Description: This facility contains a concrete-vaulted aboveground tank and associated fuel filling and transfer equiment.

Building/Site Name: FUELING STATION

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0510-1**

Container Type: Aboveground Tank

Container Capacity: 12000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Interstitial monitor

Overfill protection

Automatic tank gauge

Construction Details: Double walled tank

Date Installed: Sep-06

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete vaulted tank

Secondary Containment Volume: >12000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The tank is filled by an off-site fuels contractor on an as-needed basis. The tank loading/unloading area is located north of the tank. The tank fillport is equipped with an overspill bucket to contain minor leaks during tank filling operations.

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

Spill Route Details: A leak from the tank would be contained within the concrete vaulted outer tank. Any liquid that may escape would flow south toward a drainage canal which discharges to the Indian River. Small leaks in the hose connections during fueling operations would flow to a sump located within the fueling area loading rack. Larger leaks allowed to overflow the loading rack containment sump would flow out onto the paved surface and travel south to an unpaved area of land toward the drainage canal which discharges to the Indian River.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 7000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
3. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks storing fuel.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit

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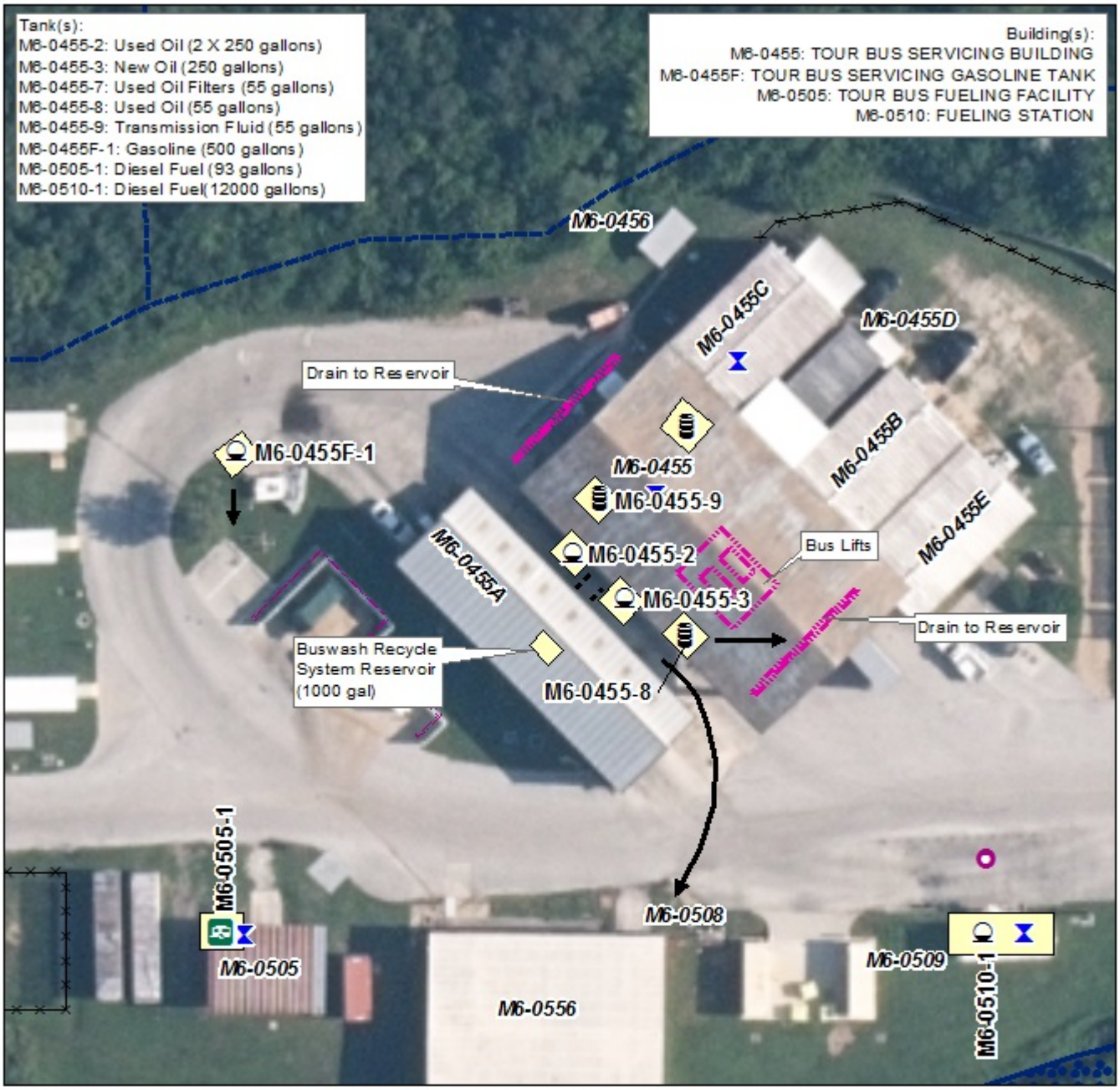
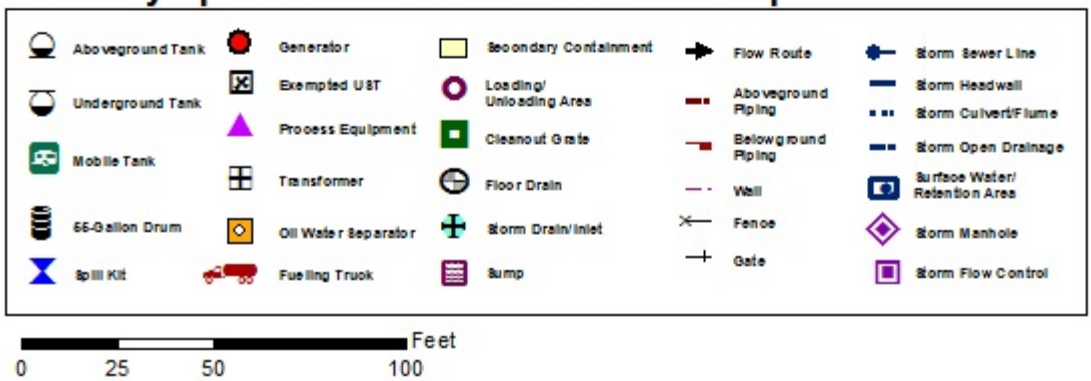
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #328
Jun 10, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0552

Description: Oil storage at this facility consists of diesel fuel contained in a trailer-mounted mobile refueling tanker, and two mobile generator fuel tanks.

Building/Site Name: ARTIFACT STORAGE WAREHOUSE

Operator: Delaware North Companies Parks and Resorts, Inc.

Environmental Contact: 449-4391

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0552-1**

Container Type: Mobile Tank

Container Capacity: 93 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Emergency vent

Level gauge

Leak detection system

Construction Details: Double walled steel tank

Date Installed: 11/2018

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >93 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This mobile tank is fueled by Delaware North personnel from M6-0510-1. Diesel fuel is dispensed from this mobile tank into a tractor, emergency generators, and other small equipment owned by NASA.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

Spill Route Details: A leak from this tank would first accumulate between the primary and secondary walls of the containment tank, and be indicated by the interstitial monitoring gauge. A leak escaping the secondary tank, or dispenser piping would accumulate on the ground surface below the trailer. The trailer is equipped with a spill kit that would be used to contain spills during dispensing or fuel transfers. Large spills would travel southwest to toward a wooded area that drains to to a nearby wet detention basin.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

Container: **M6-0552-2**

Container Type: Mobile Tank

Container Capacity: 180 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Emergency vent

Construction Details: Double walled steel tank

Date Installed: 2006

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >180 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: This mobile generator fuel tank is filled on an as-needed basis by Fleet Maintenance oil handling personnel, utilizing mobile tank M6-0552-1, or by filling directly from tank M6-0510-1.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak from this tank would first accumulate between the primary and secondary walls of the containment tank, which is checked monthly for presence of liquids. A leak escaping the secondary tank, piping, or while fueling, would accumulate on the ground surface below the generator trailer. Larger spills would travel southwest toward a wooded area that eventually drains to to a nearby wet detention basin.

Maximum Refueling/Vacuum Truck Capacity: 10000 Gallons

Container: **M6-0552-3**

Container Type: Mobile Tank

Container Capacity: 180 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

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Kennedy Space Center Site-Specific SPCC Plan Data

	Emergency vent
Construction Details:	Double walled steel tank
Date Installed:	2006
Integrity Test Method:	Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan. Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.
Secondary Containment Details:	Double walled tank
Secondary Containment Volume:	>180 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Steel and poly flex lines
Oil Fill and Transfer Details:	This mobile generator fuel tank is filled on an as-needed basis by Fleet Maintenance oil handling personnel, utilizing mobile tank M6-0552-1, or by filling directly from tank M6-0510-1.
Secondary Containment Drainage Procedure:	Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor. If deemed to be free of oil, accumulated liquid is discharged to the ground surface. If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.
Spill Route Details:	A leak from this tank would first accumulate between the primary and secondary walls of the containment tank, which is checked monthly for presence of liquids. A leak escaping the secondary tank, piping, or while fueling, would accumulate on the ground surface below the generator trailer. Larger spills would travel southwest toward a wooded area that eventually drains to to a nearby wet detention basin.
Maximum Refueling/Vacuum Truck Capacity:	10000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Mobile or portable oil storage containers are provided with secondary containment.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Notify Supervisor and Facility Manager.
4. Cleanup with inhouse capability, if available.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Mobile spill kit

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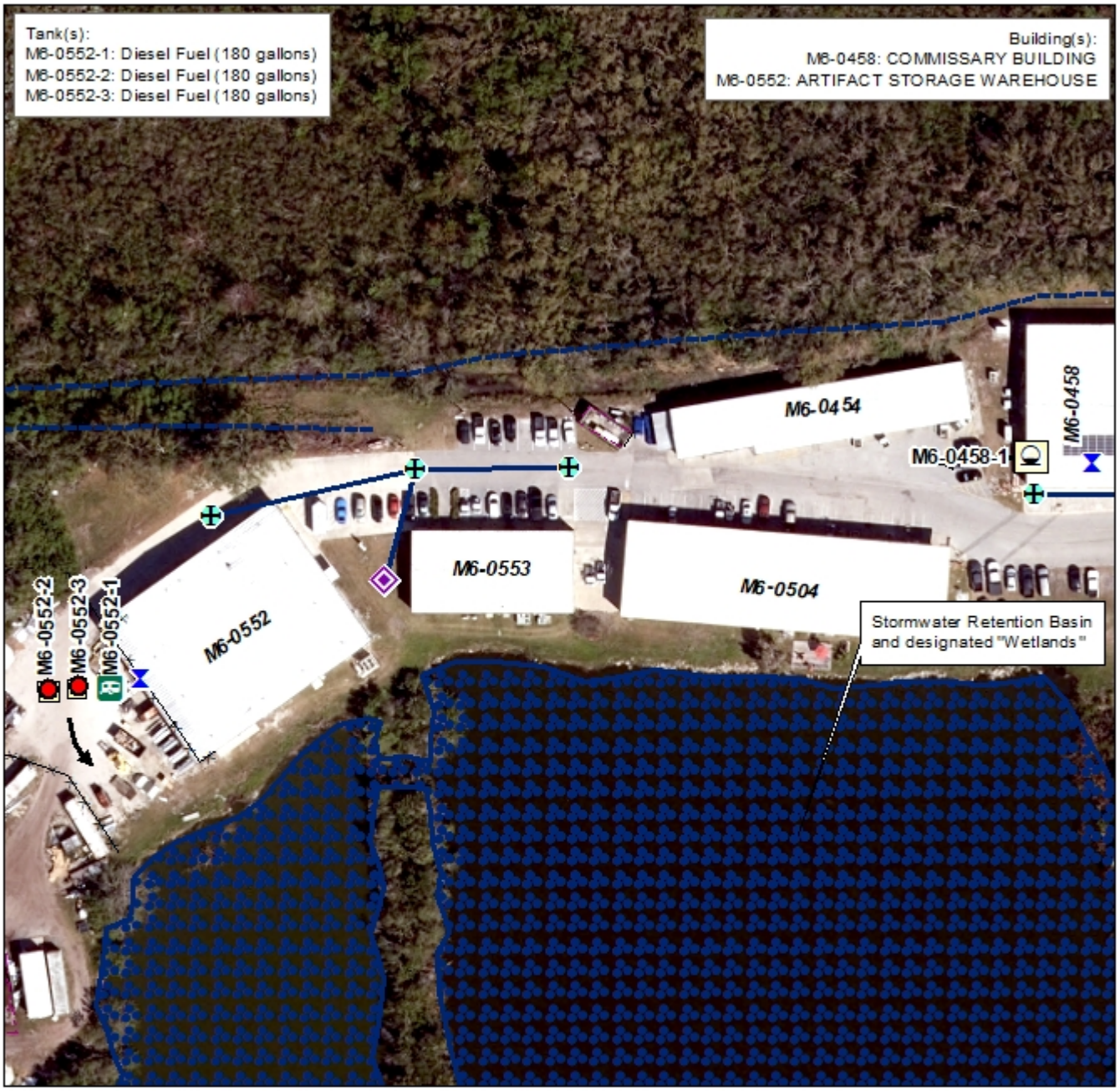
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

Feet
0 50 100 200

MAP #325
May 31, 2019

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B-5 NASA Exchange Council Concessionaires and Vendors

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1345

Description: Oil storage associated with this building includes E-85 in an aboveground storage tank.

Building/Site Name: VAB Gas Station

Operator: NASA Exchange

Environmental Contact: 321-749-9017

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1345-1**

Container Type: Tank

Container Capacity: 10000 Gallons

Materials Stored: E-85

Fail Safe Features: Automatic tank gauge

Interstitial monitor

Emergency vent

Leak sensors in piping sump and under dispenser sump

Construction Details: Double walled steel tank

Date Installed: Aug-06

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Annual operability testing of the leak detection system is performed by a state-certified third party vendor.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >10000 Gallons

Piping Type: Aboveground and underground

Corrosion Protection: Protective Coating

Piping Details: Double-walled with leak detection system.

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by an off-site fuels contractor. All spills during fill or transfer are reported to the 911 system in accordance with Section 5.0 of the SPCC Plan.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A spill or leak from the primary tank would be contained within the secondary containment tank. Spills or leaks from piping or during fuel transfers would flow west to grade or south into a swaled area where it would percolate into the soil.

Maximum Refueling/Vacuum Truck Capacity: 10000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. None provided

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

Map #33
Dec 20, 2010

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0596

Description: Oil storage associated with this building includes E-85 in an aboveground storage tank and oil drum storage area. Underground storage tanks are regulated under 62-761 Florida Administrative Code (FAC).

Building/Site Name: SERVICE STATION

Operator: NASA Exchange

Environmental Contact: 321-749-9017

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0596-1**

Container Type: Tank

Container Capacity: 5000 Gallons

Materials Stored: E-85

Fail Safe Features: Interstitial monitor

Electric tank gauge

Leak sensors in piping sump and under dispenser sump

Construction Details: Double walled steel tank

Date Installed: Aug-03

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >5000 Gallons

Piping Type: Aboveground and underground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by an outside fueling contractor.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A spill from the E-85 ethanol tank would infiltrate into the ground and/or flow south to an open ditch system leading to the Region 1 stormwater detention pond. The stormwater detention pond discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: 10000 Gallons

Container: **M6-0596-5**

Container Type: 55-Gallon Drum

Container Capacity: Up to 2 - 55 Gallons

Materials Stored: Used oil

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Secondary containment pallet

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred to 55-gallon drums by manually pouring from small containers into drums within the drum storage containment area.

Secondary Containment Drainage Procedure: If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment pallet is inspected for oil odor or sheen.

Spill Route Details: Drums are stored inside M6-0596. A spill originating from the drum storage area would flow out the west garage doors and south into the parking area adjacent to M6-0596, then westerly toward the open drainage ditch parallel to Avenue C. This drainage system leads to the Region 1 stormwater detention pond. The detention pond discharges to Buck Creek.

Maximum Refueling/Vacuum Truck Capacity: 2500 Gallons

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #18
Dec 13, 2012

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: P6-1335

Description: This facility is the KARS Park Campground aboveground fuel tank. It is a two compartment tank storing 400 gallons of diesel fuel and 100 gallons of gasoline.

Building/Site Name: KARS PARK ABOVEGROUND FUEL STORAGE TANK

Operator: NASA Exchange

Environmental Contact: 867-3891

2.0 DESCRIPTION OF OIL STORAGE

Container: **P6-1335-1**

Container Type: Aboveground Tank

Container Capacity: 500 Gallons

Materials Stored: Diesel fuel and gasoline

Fail Safe Features: Automatic overfill shut off valve

Direct vision clock gauge

Interstitial monitor

Construction Details: 2 compartment concrete vaulted tank (one 100-gallon compartment and one 400-gallon compartment)

Date Installed: 1999

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuels contractor. All spills during fill or transfer operations are reported to the 911 emergency system in accordance with Section 5.0 of the SPCC Plan.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

The interstitial space is checked monthly for fluid.

Spill Route Details: Spills or leaks from either the 100-gallon gasoline tank or 400-gallon diesel tank compartment would be contained within the interstitial space of the concrete vault and the tank. Leaks exiting the secondary containment or spills occurring during tank loading/unloading would flow onto adjacent grassy areas and infiltrate into the ground. There are no storm drains or ditches in the immediate vicinity.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Secondary containment is provided for all stationary tanks storing fuel.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

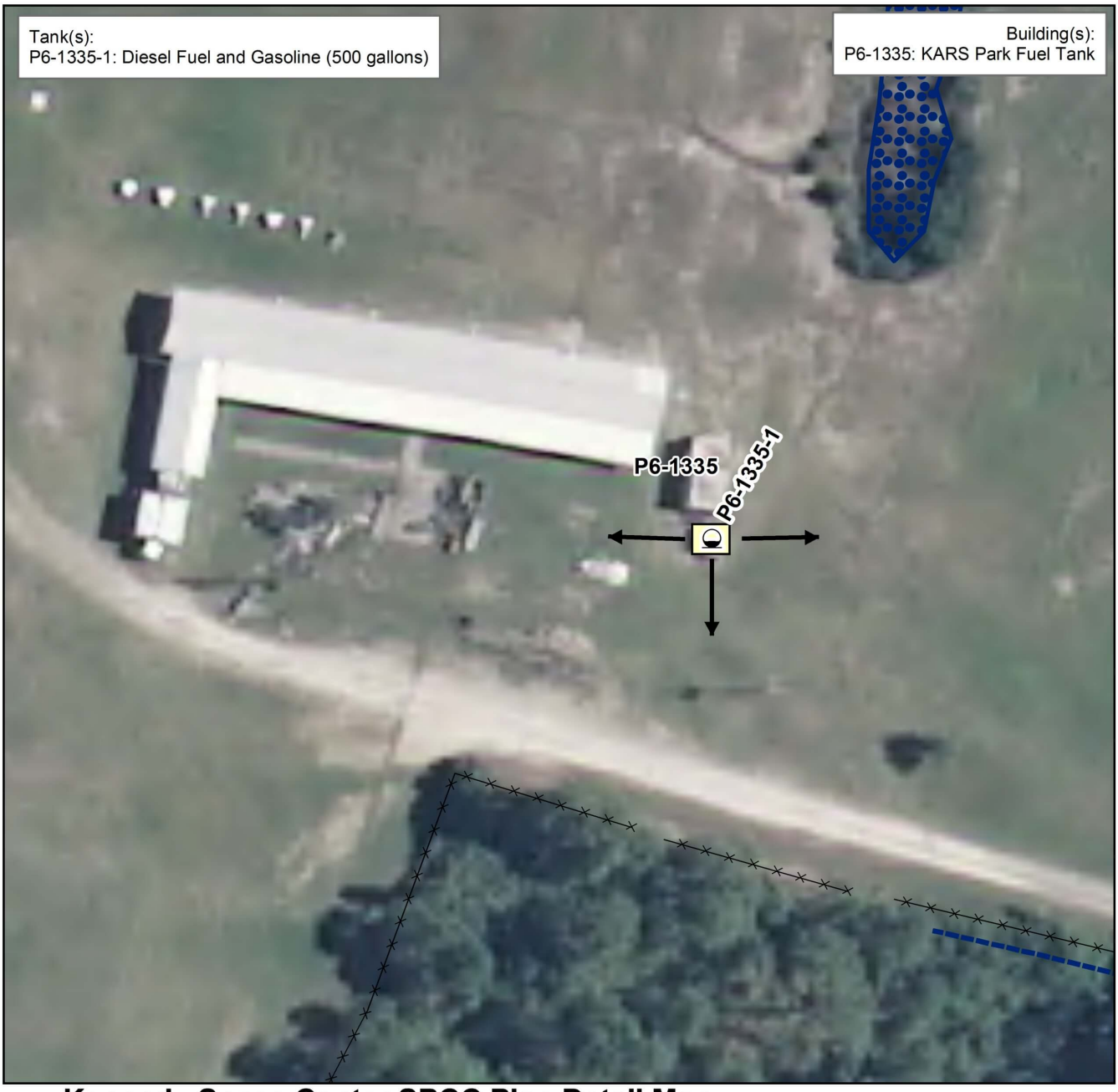
The following spill response materials are located at this building:

1. Absorbent materials

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #501
Dec 7, 2012

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

B-6 Food Service Contractor

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-1145

Description: Oil storage associated with this facility consists of waste cooking oil associated with the building cafeteria.

Building/Site Name: MULTI-FUNCTION FACILITY

Operator: Food Services Contractor

Environmental Contact: 867-3360 or 867-7321

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-1145-1**

Container Type: Aboveground Tank

Container Capacity: 134 Gallons

Materials Stored: Waste cooking oil

Fail Safe Features: Spill bucket

Visual Level indication

Construction Details: Single-walled steel tank within a secondary containment

Date Installed: 2013

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.8 of the SPCC Plan. Check Lists are kept in the Cafeteria Manager's office.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Covered spill pallet

Secondary Containment Volume: >134 Gallons

Piping Type: N/A

Corrosion Protection: Protective Coating

Piping Details: N/A

Oil Fill and Transfer Details: Waste cooking oil is transferred by cafeteria employees on a regular basis. Oil is transferred with a grease pump filter machine. Employees check the amount of available storage capacity in the tank prior to adding the oil. The tank are emptied on an as-needed basis by an offsite waste cooking oil recycler by pumping the contents into a mobile tanker truck.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Spill Route Details: A leak from the secondary containment structure or a spill occurring during fill and transfer operations would flow out onto the paved surface and travel 75 feet northeast towards a storm drain located in the loading area of the cafeteria.

Maximum Refueling/Vacuum Truck Capacity: 3800 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. The mobile tank truck which pumps out waste cooking oil is equipped with an automatic overfill shutoff valve.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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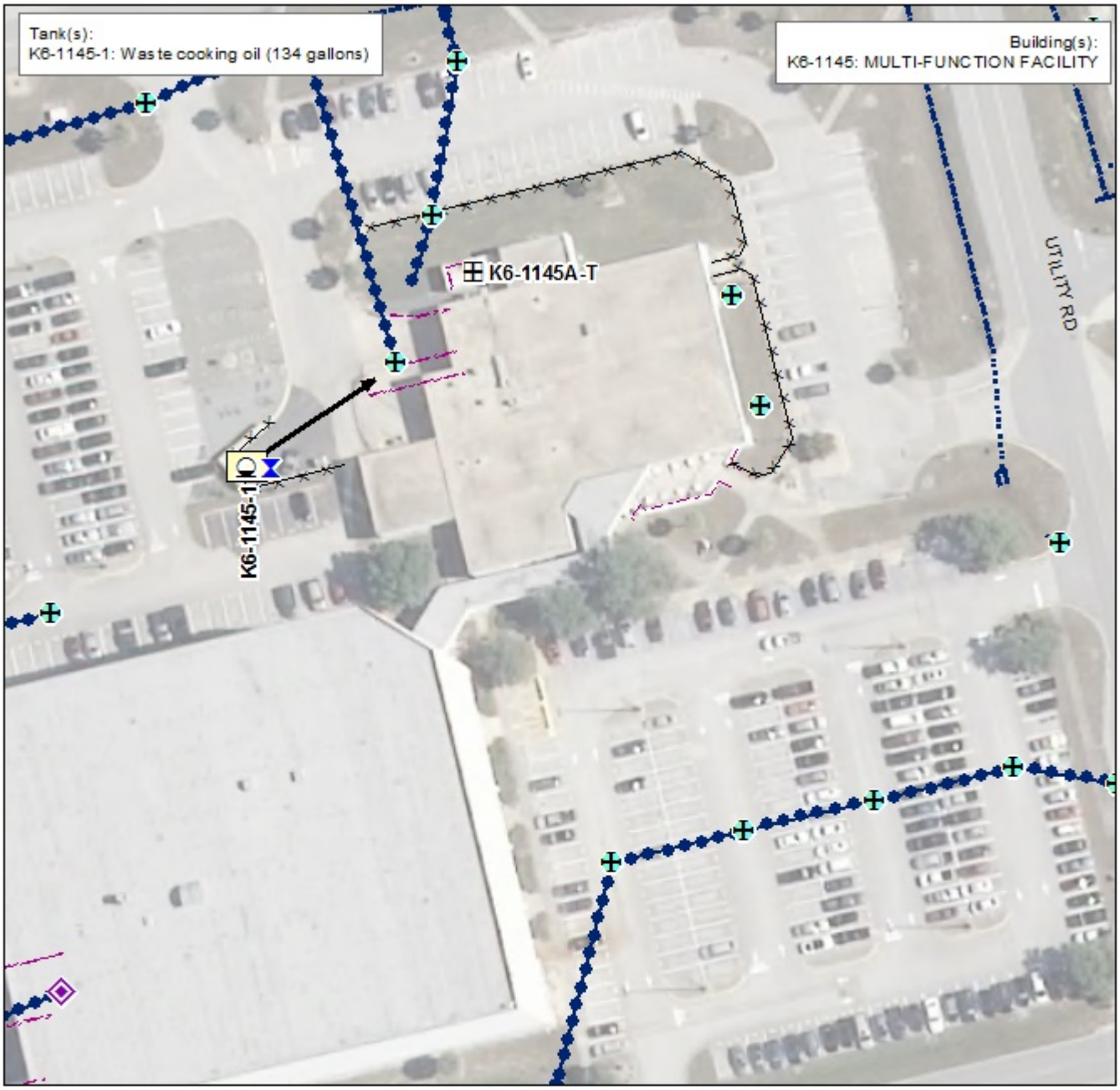
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 40 80 160 Feet

MAP #04
Jul 9, 2014

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0301

Description: Oil storage at this facility includes a diesel fuel aboveground storage tank, lubricating oils associated with an emergency generator system, and waste cooking oil stored in an aboveground tank.

Building/Site Name: KSC CENTRAL CAMPUS HEADQUARTERS

Operator: Food Services Contractor

Environmental Contact: 867-3360 or 867-7321

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0301-3**

Container Type: Aboveground Tank

Container Capacity: 314 Gallons

Materials Stored: Waste cooking oil

Fail Safe Features: Visual Level indication

Construction Details: Steel tank within a secondary containment

Date Installed: 05-19

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Secondary Containment Details: Clamshell-type secondary containment

Secondary Containment Volume: 60 Gallons

Piping Type: N/A

Corrosion Protection: Protective Coating

Piping Details: N/A

Oil Fill and Transfer Details: Oil is manually added to this tank from smaller containers by trained oil-handling personnel. The tank is pumped out periodically by an off-site waste cooking oil recycling company.

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A small spill or leak from the tank would be contained within the tank secondary containment. A tank leak that escapes the containment structure, or a large release during oil transfer activities would flow out onto the concrete pad and flow northwest toward a storm drain inlet. This storm drain empties into the stormwater ditch and retention area northwest of the building's parking lot.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 2500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed when not in use.
3. Each oil storage container is provided with secondary containment.
4. The oil storage area is maintained in a neat and orderly condition.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
2. Place spill containment devices between the spill and the nearest storm drainage channel.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Mobile Equipment
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

N W E S

0 15 30 60 Feet

MAP #340
Nov 9, 2020

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M7-0355

Description: Oil storage associated with this building includes waste cooking oil associated with the building cafeteria, diesel fuel associated with emergency generators, and hydraulic oil associated with building elevators.

Building/Site Name: OPERATIONS AND CHECKOUT BLD

Operator: Food Services Contractor

Environmental Contact: 321-749-9017

2.0 DESCRIPTION OF OIL STORAGE

Container: **M7-0355-7**

Container Type: Aboveground Tank

Container Capacity: 134 Gallons

Materials Stored: Waste cooking oil

Fail Safe Features: N/A

Construction Details: Steel tank within a secondary containment

Date Installed: 2013

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.8 of the SPCC Plan. Check Lists are kept in the Cafeteria Manager's office.

Secondary Containment Details: Covered spill pallet

Secondary Containment Volume: >134 Gallons

Piping Type: N/A

Corrosion Protection: Protective Coating

Piping Details: N/A

Oil Fill and Transfer Details: Waste cooking oil is transferred to this tank by cafeteria employees on a regular basis. Oil is transferred manually from small containers or with a grease pump filter machine. Employees check the amount of available storage capacity in the tank prior to adding the oil. The tank is emptied on an as-needed basis by an offsite waste cooking oil recycler by pumping the contents into a mobile tank truck.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the secondary containment structure or a spill occurring during oil transfer operations would flow out onto the paved surface and travel 75 feet west towards a storm drain.

Maximum Refueling/Vacuum Truck Capacity: 3800 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. The mobile tank truck which pumps out waste cooking oil is equipped with an automatic overfill shutoff valve.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Absorbent materials
2. Small spill kit

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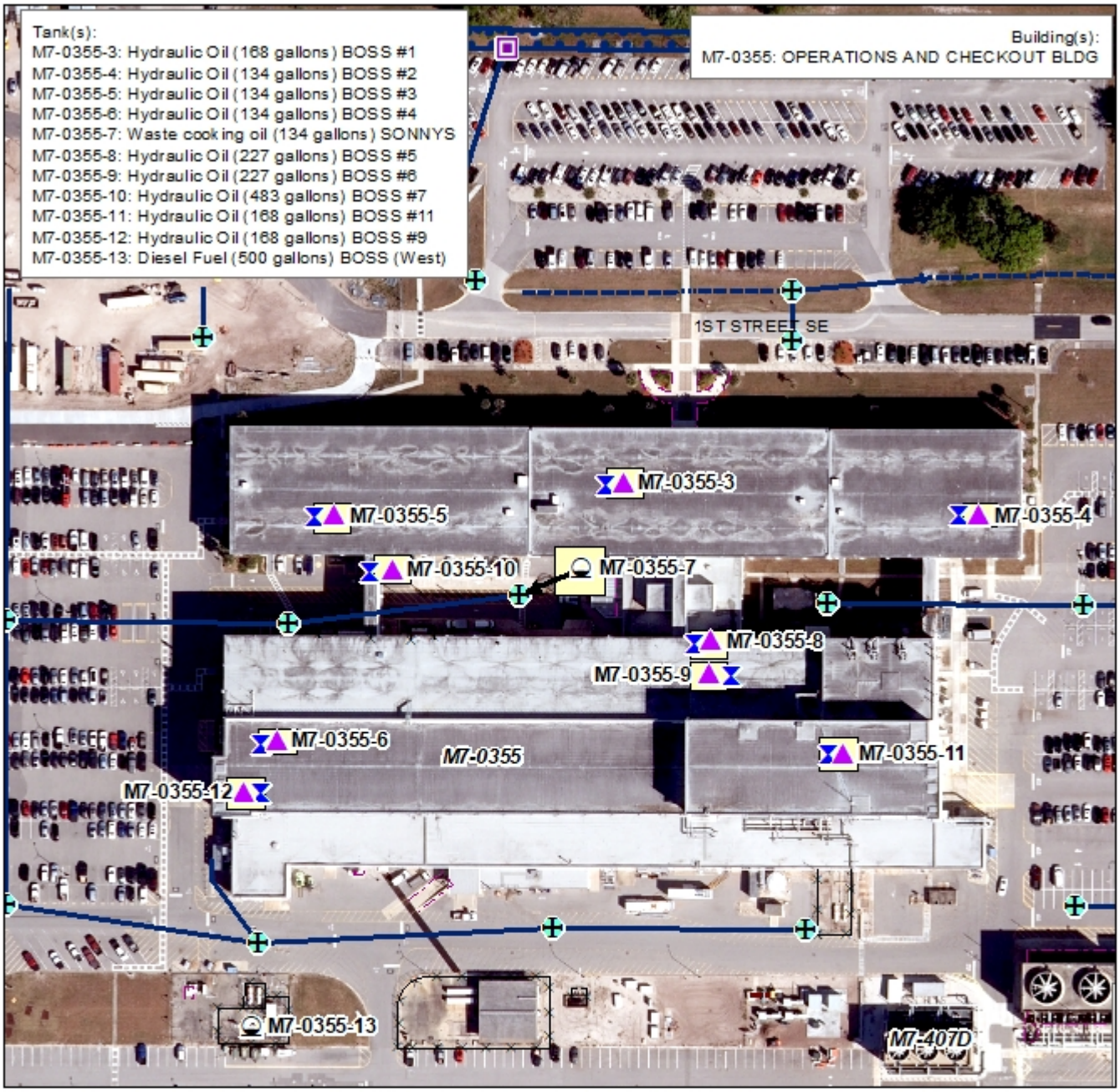
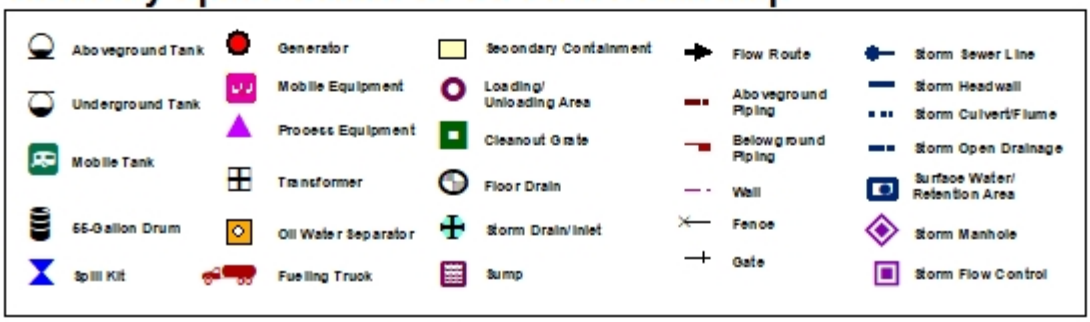
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



Feet
0 75 150 300

MAP #75
Jun 7, 2019

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

B-7 NASA Environmental & Medical Contract (NEMCON)

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K6-0497

Description: Oil storage associated with this building is an emergency generator double-wall tank (belly tank) containing diesel fuel, located on the south side of the building.

Building/Site Name: SURGE BLDG. #1

Operator: NEMCON

Environmental Contact: 321-474-1480

2.0 DESCRIPTION OF OIL STORAGE

Container: **K6-0497-1**

Container Type: Aboveground Tank

Container Capacity: 375 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Direct vision gauge on tank

Leak sensor

Emergency vent

Construction Details: Double walled belly steel tank

Date Installed: 10/15/2020

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >375 Gallons

Piping Type: Aboveground. A combination of flex lines and hard lines

Corrosion Protection: Protective Coating

Piping Details: Steel hard lines and steel flex lines

Oil Fill and Transfer Details: This generator tank is filled by the KSC fuels contractor on an as-needed basis at the tank fill connection. There is a rochester level gauge for filling operations. Filling is not through a mated fill connection.

Secondary Containment Drainage Procedure: The interstitial space is checked monthly for fluid.

Spill Route Details: Spills or leaks from this tank would be contained within the interstitial space between the primary and secondary tank walls. Spills during filling operations or leaks from the secondary tank would spill out onto the concrete pad and surrounding grassy area on the south side of the tank. A large spill from this container would eventually drain sixty feet east toward the stormwater culvert and canal.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Diesel fuel tanks are equipped with high level audible or visual alarms to prevent tank overfilling.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 15 30 60 Feet

MAP #802
Dec 9, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K7-0114

Description: Oil storage associated with this facility includes used oil stored in 55-gallon drums and a used oil vacuum truck.

Building/Site Name: NON-REGULATED WASTE STORAGE BLDG

Operator: NEMCON

Environmental Contact: 861-1330

2.0 DESCRIPTION OF OIL STORAGE

Container: **K7-0114-1**

Container Type: Tank Truck

Container Capacity: Up to 2 - 3500 Gallons

Materials Stored: Used oil

Fail Safe Features: Direct vision gauge on tank

Construction Details: Single walled steel tank

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Dry retention pond

Secondary Containment Volume: N/A

Piping Type: N/A

Corrosion Protection: Protective Coating

Piping Details: N/A

Oil Fill and Transfer Details: Used oil from 55-gallon drums is pumped into the vacuum truck at this location and other locations on KSC property.

Secondary Containment Drainage Procedure: If a tank leak is discovered, the liquid surface is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and transported offsite for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: Leaks or spills occurring during the filling of the vacuum truck at Building K7-0114, K7-0115 or K7-0165 would flow west to a storm drain which discharges into a low retention area north of building K7-0115.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K7-0114-3**

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Kennedy Space Center Site-Specific SPCC Plan Data

Container Type: 55-Gallon Drum

Container Capacity: Up to 40 - 55 Gallons

Materials Stored: Used oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.8 of the SPCC Plan (KSC PLN 1919)

Secondary Containment Details: Closed containment sump within building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred into a vacuum truck on an as needed basis from 55 gallon drums. Other than spill response materials, no containment is provided during truck fill and transfer operations. Up to 40 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the sump holding tanks is inspected for the presence of oil.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A drum leak or spill occurring during oil fill and transfer activities would flow out onto the concrete surface of the building. Larger spills could potentially flow to a closed sump located within the building. A 6-inch high concrete curb surrounds the perimeter of the building floor.

Maximum Refueling/Vacuum Truck Capacity: 3500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Monthly and annual storage tank, container, 55-gal. drum and secondary containment inspection checklists are found in Tables 4-3 through 4-8 of the KSC SPCC Plan (KSC-PLN-1919)
4. Training requirements for SPCC organizations are found in Section 3.1.2 of the KSC SPCC Plan (KSC-PLN-1919)

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Kennedy Space Center Site-Specific SPCC Plan Data

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.
3. Within three (3) working days of a spill, a KSC Pollution Incident Reporting and Notification Form must be submitted to the NASA Environmental Assurance Branch.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit
2. Mobile spill kit

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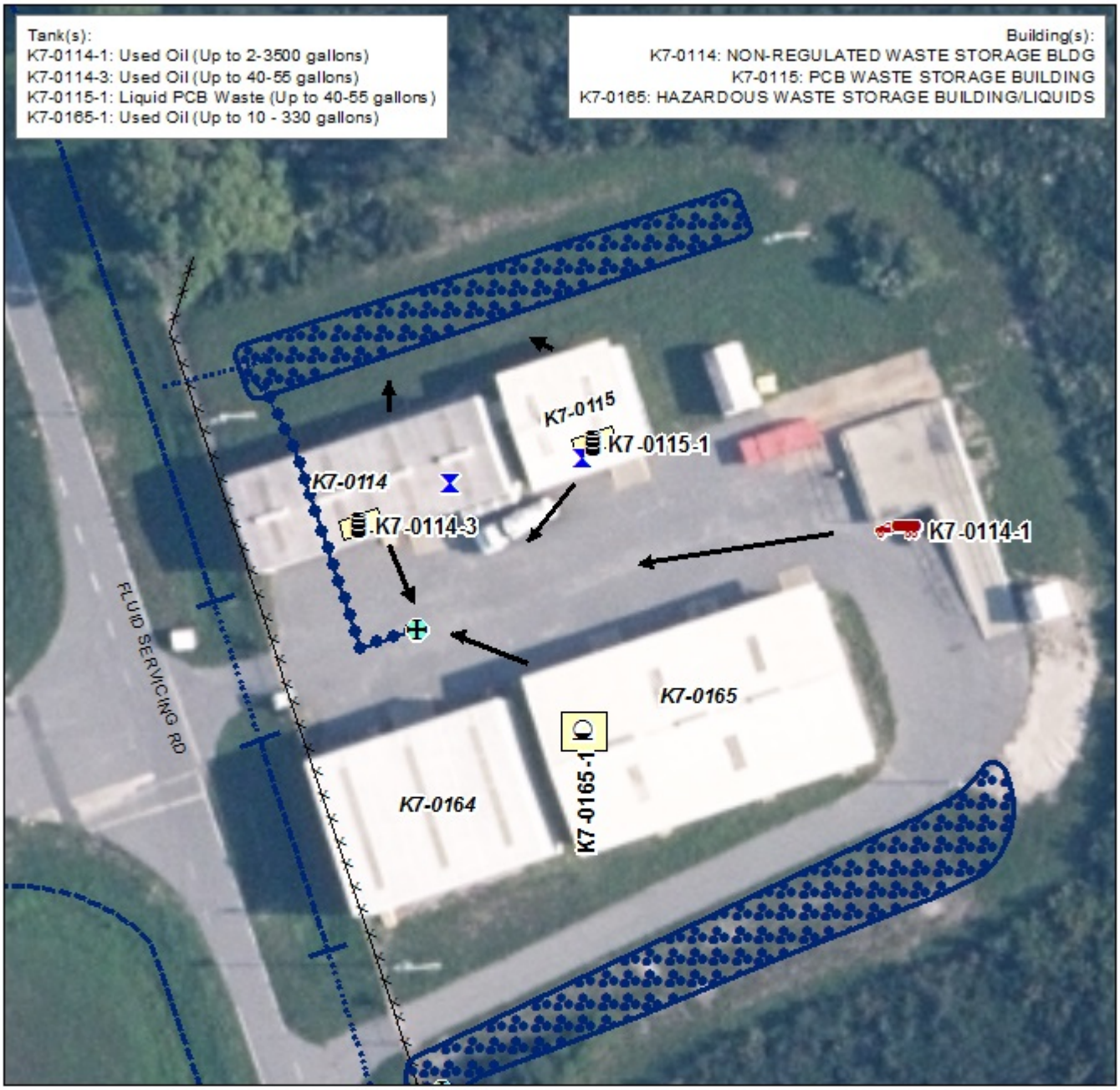
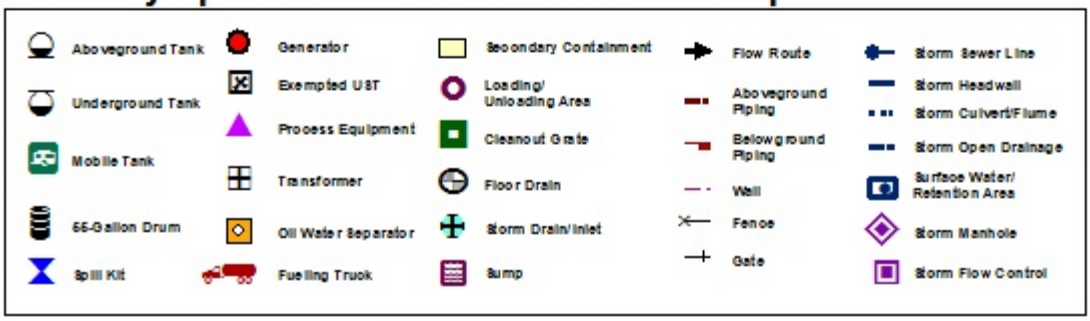
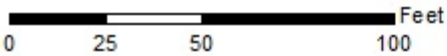
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #06
Jun 2, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K7-0115

Description: Oil storage associated with this building includes liquid PCB-containing waste.

Building/Site Name: PCB WASTE STORAGE BUILDING

Operator: NEMCON

Environmental Contact: 861-1330

2.0 DESCRIPTION OF OIL STORAGE

Container: **K7-0115-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 40 - 55 Gallons

Materials Stored: Liquid PCB wste

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.8 of the SPCC Plan (KSC PLN 1919)

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Sump within building

Secondary Containment Volume: 3927 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Liquid PCB waste is transferred to this facility in 55-gallon or smaller containers.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

Spill Route Details: A drum leak or spill occurring during oil fill and transfer activities would flow out onto the concrete surface of the building and towards a closed sump. A six-inch high concrete curb surrounds the perimeter of the building floor.

Maximum Refueling/Vacuum Truck Capacity: N/A

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Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Monthly and annual storage tank, container, 55-gal. drum and secondary containment inspection checklists are found in Tables 4-3 through 4-8 of the KSC SPCC Plan (KSC-PLN-1919)
4. Secondary containment is provided for all drums storing new and used oil.
5. Training requirements for SPCC organizations are found in Section 3.1.2 of the KSC SPCC Plan (KSC-PLN-1919)

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.
3. Within three (3) working days of a spill, a KSC Pollution Incident Reporting and Notification Form must be submitted to the NASA Environmental Assurance Branch.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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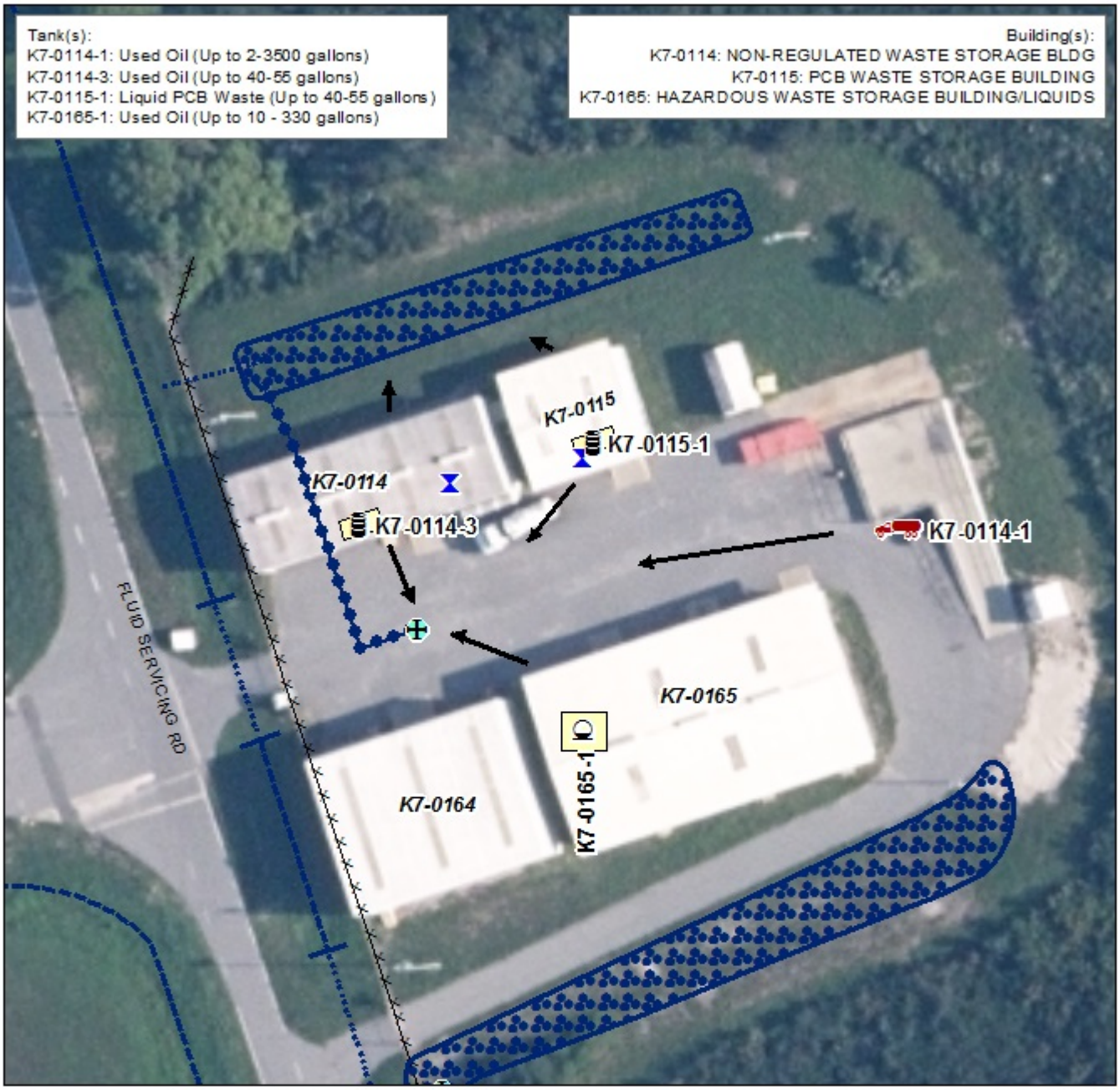
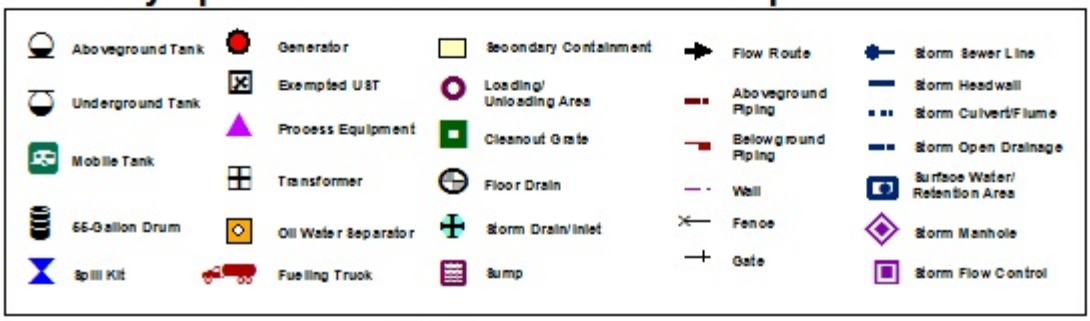
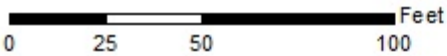
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #06
Jun 2, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K7-0165

Description: Oil storage associated with this facility includes used oil stored in intermediate bulk storage containers (IBCs) Up to 10 IBCs are stored at this facility.

Building/Site Name: HAZARDOUS WASTE STORAGE/LIQUID

Operator: NEMCON

Environmental Contact: 861-1330

2.0 DESCRIPTION OF OIL STORAGE

Container: **K7-0165-1**

Container Type: Aboveground Tank

Container Capacity: Up to 10 - 330 Gallons

Materials Stored: Oils, lubricants, and fuel

Fail Safe Features: Visual Level indication

Construction Details: Single walled polyethylene tank (Intermediate Bulk Container)

Date Installed: Mar-10

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3, utilizing criteria from Table 4.4 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Secondary Containment Details: Closed containment sump within building

Secondary Containment Volume: 7293 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred from/into vacuum trucks from drums and individual 330 gallon intermediate bulk storage containers(IBCs). Up to 10 IBCs are stored at this facility at a time. Transfer vehicles are equipped with mobile spill kits that are readily accessible during transfer operations.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Spill Route Details: A leak or spill occurring inside the facility during oil fill and transfer operations would flow out onto the concrete surface of the building and towards a closed sump. A six-inch high concrete curb surrounds the perimeter of the building floor. Spills or a leak during transfer operations outside the facility would flow west toward a storm drain which discharges into a retenttion area north of buildings K7-0114 and K7-0115.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 3500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.
3. Mobile or portable oil storage containers are positioned away from storm drains and ditches to minimize risk of discharge to navigable water.
4. Monthly and annual storage tank, container, 55-gal. drum and secondary containment inspection checklists are found in Tables 4-3 through 4-8 of the KSC SPCC Plan (KSC-PLN-1919)
5. Tank filling operations are closely supervised to minimize the potential for spills.
6. Training requirements for SPCC organizations are found in Section 3.1.2 of the KSC SPCC Plan (KSC-PLN-1919)

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.
3. Within three (3) working days of a spill, a KSC Pollution Incident Reporting and Notification Form must be submitted to the NASA Environmental Assurance Branch.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit

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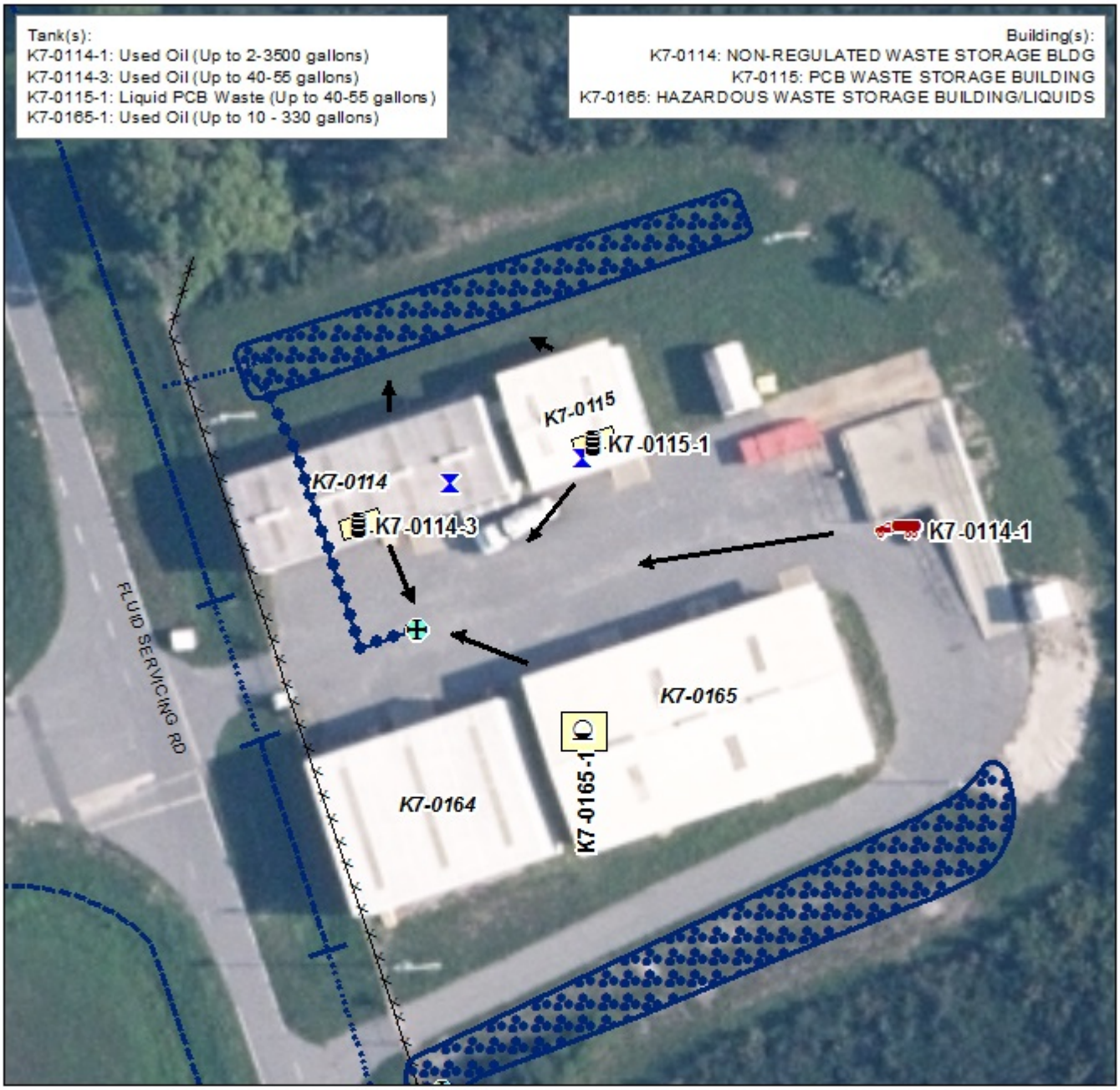
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank
Underground Tank
Mobile Tank
55-Gallon Drum
Spill Kit
Generator
Exempted UST
Process Equipment
Transformer
Oil Water Separator
Fueling Truck
Secondary Containment
Loading/ Unloading Area
Cleanout Grate
Floor Drain
Storm Drain/Inlet
Sump
Flow Route
Aboveground Piping
Belowground Piping
Wall
Fence
Gate
Storm Sewer Line
Storm Headwall
Storm Culvert/Flume
Storm Open Drainage
Surface Water/ Retention Area
Storm Manhole
Storm Flow Control

0 25 50 100 Feet

MAP #06
Jun 2, 2016

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: N6-1010

Description: This building is W-1 Pump Station, which consists of a stand-alone 1,500-gallon double-wall steel tank with aboveground carbon steel supply and return piping fed to a 150-gallon double-wall day tank which feeds an emergency generator.

Building/Site Name: WATER PUMP STATION

Operator: NEMCON

Environmental Contact: 321-474-1480

2.0 DESCRIPTION OF OIL STORAGE

Container: **N6-1010-1**

Container Type: Aboveground Tank

Container Capacity: 1500 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon valve on piping

Automatic overfill shut off valve

High level audible alarm

Interstitial monitor

Spill bucket

Level gauge

Construction Details: Double walled UL-2085

Date Installed:

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tanks

Secondary Containment Volume: >1500 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by the KSC fuel contractor. The fill is a remote fill inside a spill containment box. The fill is adapted with a testable Overfill Prevention Valve. The tank is also equipped with a high level alarm, and pnuemercator level gauge.

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

Any liquid accumulated in between the primary and secondary walls of the tank is drained to a container and inspected for the presence of a sheen or odor.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A spill from the primary tank would fill the tank secondary (interstice) and alert to a release. A spill from the filling operations would be contained within the spill containment. A spill from the piping or overfill of spill containment would collect around the tank system on the concrete pad/pavement and migrate north and east toward a storm water culvert on the east-southeast corner of the site. The spill kit is located inside the pump station building, immediately inside the bay door.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **N6-1010-2**

Container Type: Aboveground Tank

Container Capacity: 150 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Anti-siphon valve on piping

High level audible alarm

Interstitial monitor and alarm

Emergency vent

Construction Details: Double walled steel daytank

Date Installed: 12/01/2020

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: Double walled tanks

Secondary Containment Volume: >150 Gallons

Piping Type: Aboveground. A combination of flex lines and hard lines

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel, iron, and poly flex lines

Oil Fill and Transfer Details: The generator day tank is automatically filled from the 1,500-gallon tank by a pump activated by low and high level switches. If the high level switch fails to turn off the pump, overfill piping will direct the fuel back to the 1,500-gallon tank. The 1,500-gallon tank is also equipped with an anti-siphon valve which would prevent the release of the entire contents of these tanks at Building N6-1010 if the piping were to leak.

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

Any accumulated liquids are removed using spill kit materials, and properly disposed of in accordance with KNPR 8500.1.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills from the tank would be contained within the tank interstitial space. The tank has a solenoid valve on the piping so that the most likely release from the single-walled piping would be less than 10-gallons. A generator, day tank containment, or piping leak inside the building would pool within the genset unit, out onto the concrete pad, and or the nearby soil around the genset unit. A larger discharge may travel down a nearby storm water culvert but would pond in a grassy area adjacent to the culvert. A spill in this area would be cleaned up by the 24 hour spill response team before the discharge could reach navigable water. The spill kit is located inside the pump station building, immediately inside the bay door.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Diesel fuel tanks are equipped with high level audible or visual alarms to prevent tank overfilling.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Tank filling operations are closely supervised to minimize the potential for spills.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit

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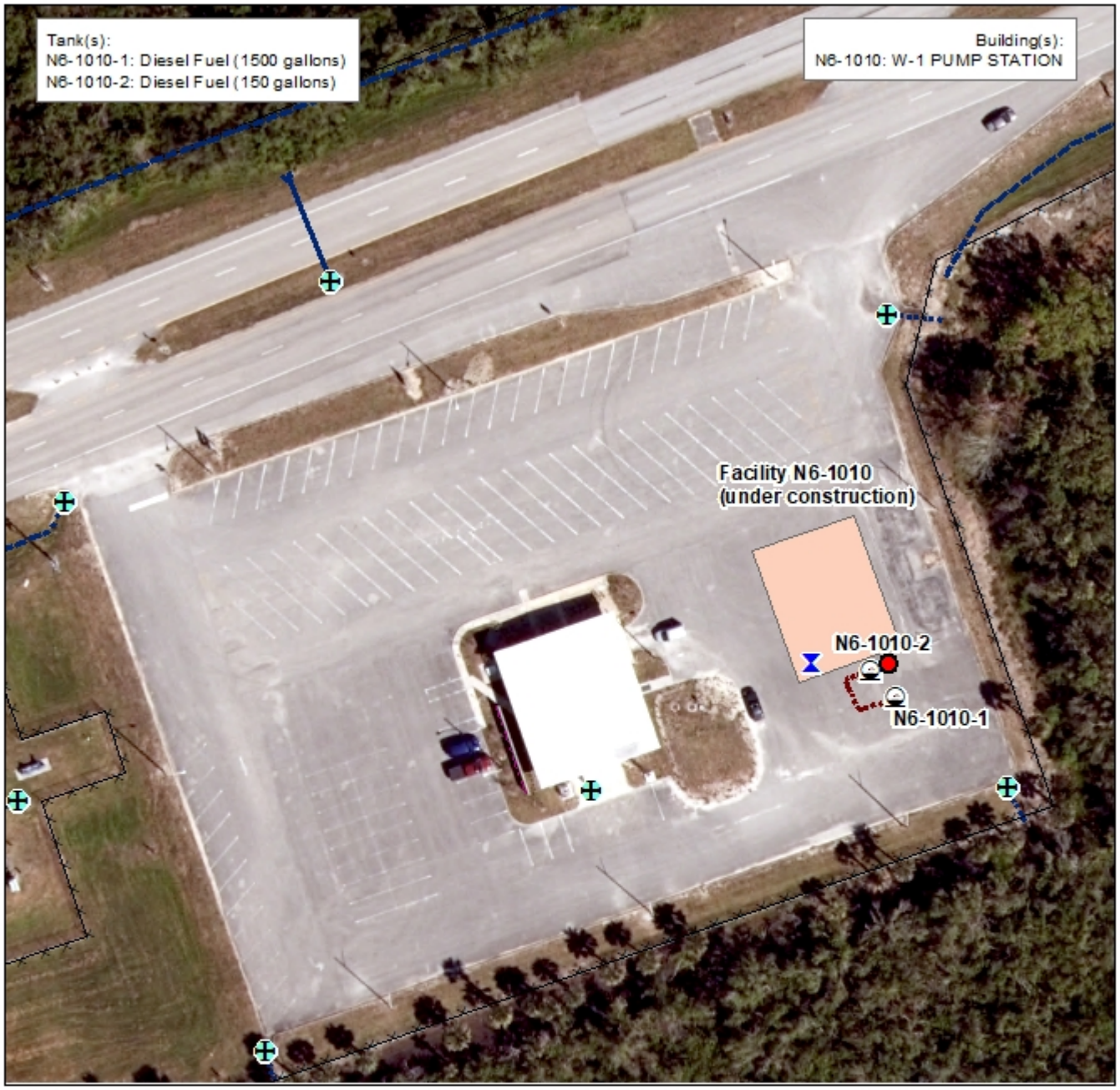
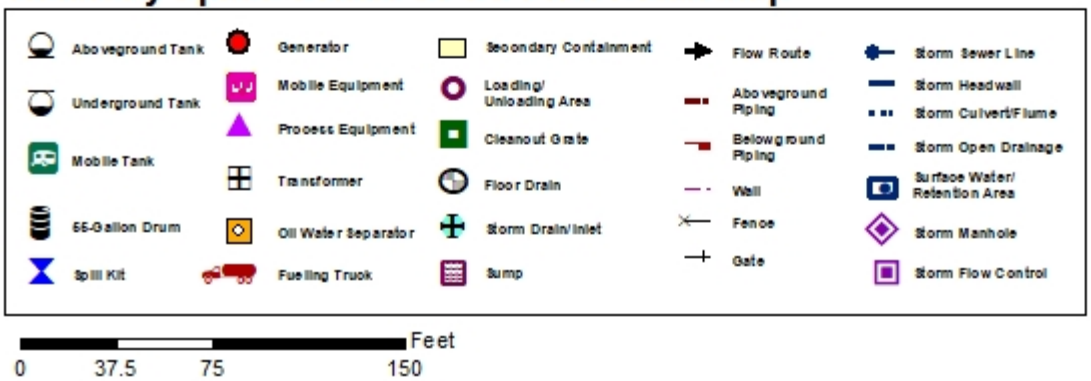
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map



MAP #803
Dec 3, 2020

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

B-8 Protective Services Contract

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K7-0287

Description: The primary function of the Security Boat House is to fuel and dock the KSC security boats.

Building/Site Name: SECURITY BOAT HOUSE

Operator: Security

Environmental Contact: 861-6955

2.0 DESCRIPTION OF OIL STORAGE

Container: **K7-0287-1**

Container Type: Tank

Container Capacity: 500 Gallons

Materials Stored: Gasoline

Fail Safe Features: Direct vision gauge on tank

Interstitial monitor

Construction Details: Steel tank encased in concrete vault

Date Installed: 2003

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >500 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled steel

Oil Fill and Transfer Details: This tank is refilled on an as-needed basis by the KSC fuels contractor.

Secondary Containment Drainage Procedure: If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A tank leak would be contained by the interstitial space between the primary and secondary wall of the tank. A spill occurring during tank filling operations would flow west into the Turn Basin, which is part of the Banana River. Spills during boat refueling operations would enter the Turn Basin.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. Aboveground piping used to transfer oil and associated pipe supports are inspected for signs of abrasion or corrosion on a regular basis in accordance with Section 4.0 of the SPCC Plan.
2. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
3. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

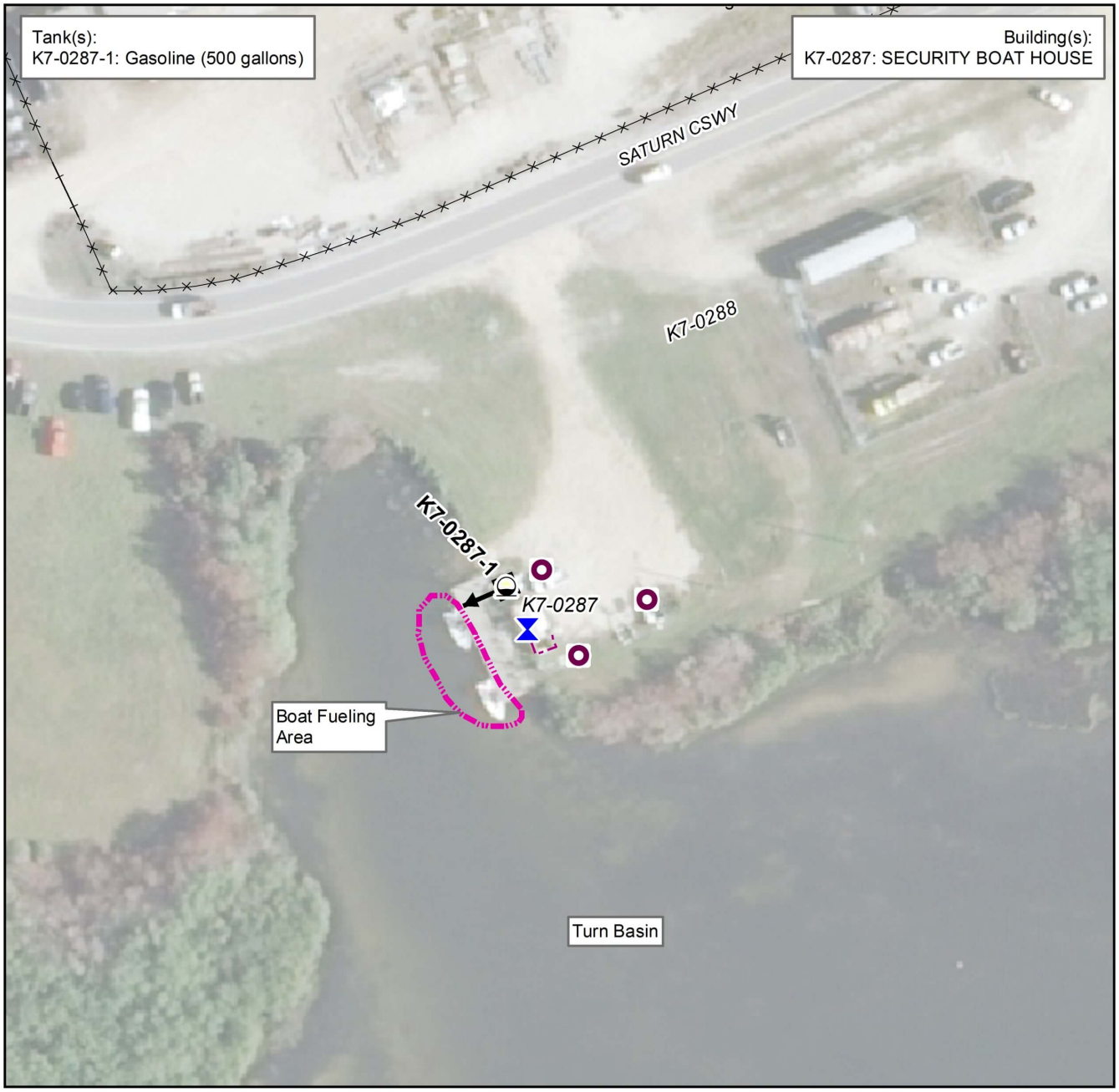
The following spill response materials are located at this building:

1. Large spill kit

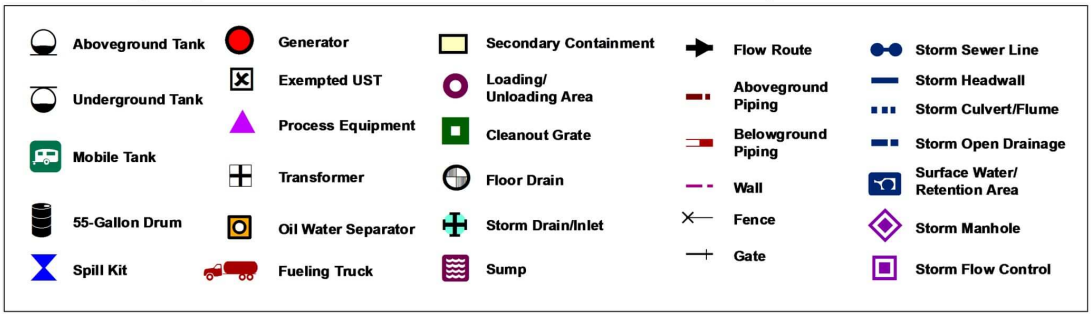
RELEASED - Printed documents may be obsolete; validate prior to use.

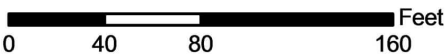
RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #2
Dec 21, 2010

RELEASED - Printed documents may be obsolete; validate prior to use.

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B-9 Cape Launch Operations and Support Contract (CLOIS)

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: 60675

Description: Oil storage associated with this facility includes diesel fuel associated with an emergency generator supporting Missle Hangar AE (Faciltiy 60680).

Building/Site Name: HANGAR AE GENERATOR BLDG.

Operator: CLOIS

Environmental Contact: 482-7276

2.0 DESCRIPTION OF OIL STORAGE

Container: **60675-1**

Container Type: Aboveground Tank

Container Capacity: 4000 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Spill bucket

Automatic overfill shut off valve

Direct vision clock gauge

Interstitial monitor and alarm

Construction Details: Concrete vault tank

Date Installed: 2011

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >4000 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled steel

Oil Fill and Transfer Details: The generator tank is refilled on an as needed basis by the KSC fuel contractor.

Secondary Containment Drainage Procedure: Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A tank leak would be contained within the interstitial space between the primary and secondary tank walls. A leak exiting the secondary tank wall or a spill occurring during tank fill activities would travel southwest following the sloped of the parking lot to an asphalt-lined stormwater ditch. This stormwater ditch discharges to a large retention pond. The retetnion pond empties into the Banana River.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **60675-2**

Container Type: Aboveground Tank (CCAFS No. 60674)

Container Capacity: 200 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Interstitial monitor and alarm

Emergency vent

Float-actuated cutoff valve

Construction Details: Double walled steel daytank

Date Installed: 2011

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >200 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Steel and poly flex lines

Oil Fill and Transfer Details: This tank is filled automatically by supply pumps from the 4000-gallon main tank.

Secondary Containment Drainage Procedure: An alarm sounds if liquid is detected in the interstitial space of the tank.

Spill Route Details: A spill or leak from this tank would be contained within the rupture basin of the daytank. A spill or leak that escapes the rupture basin would flow out onto the concrete pad and west toward a asphalt lined drainiage ditch. This ditch discharges into a retention pond west of the structure.

Maximum Refueling/Vacuum Truck Capacity: 1500 Gallons

Container: **60675-3**

Container Type: Aboveground Tank (CCAFS No. 60674)

Container Capacity: 100 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Float-actuated cutoff valve

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

	Emergency vent
	Interstitial monitor and alarm
Construction Details:	Double walled steel daytank
Date Installed:	2011
Integrity Test Method:	Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.
	Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.
Secondary Containment Details:	Double walled tank
Secondary Containment Volume:	>100 Gallons
Piping Type:	Aboveground
Corrosion Protection:	Protective Coating
Piping Details:	Steel and poly flex lines
Oil Fill and Transfer Details:	This daytank is filled automatically by a supply pump connected to a 4,000-gallon main tank.
Secondary Containment Drainage Procedure:	An alarm sounds if liquid is detected in the interstitial space of the tank.
Spill Route Details:	A spill or leak from this tank would be contained within the rupture basin of the daytank. A spill or leak that escapes the rupture basin would flow out onto the concrete pad and west toward a asphalt lined drainiage ditch. This ditch discharges into a retention pond west of the structure.
Maximum Refueling/Vacuum Truck Capacity:	1500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

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Kennedy Space Center Site-Specific SPCC Plan Data

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

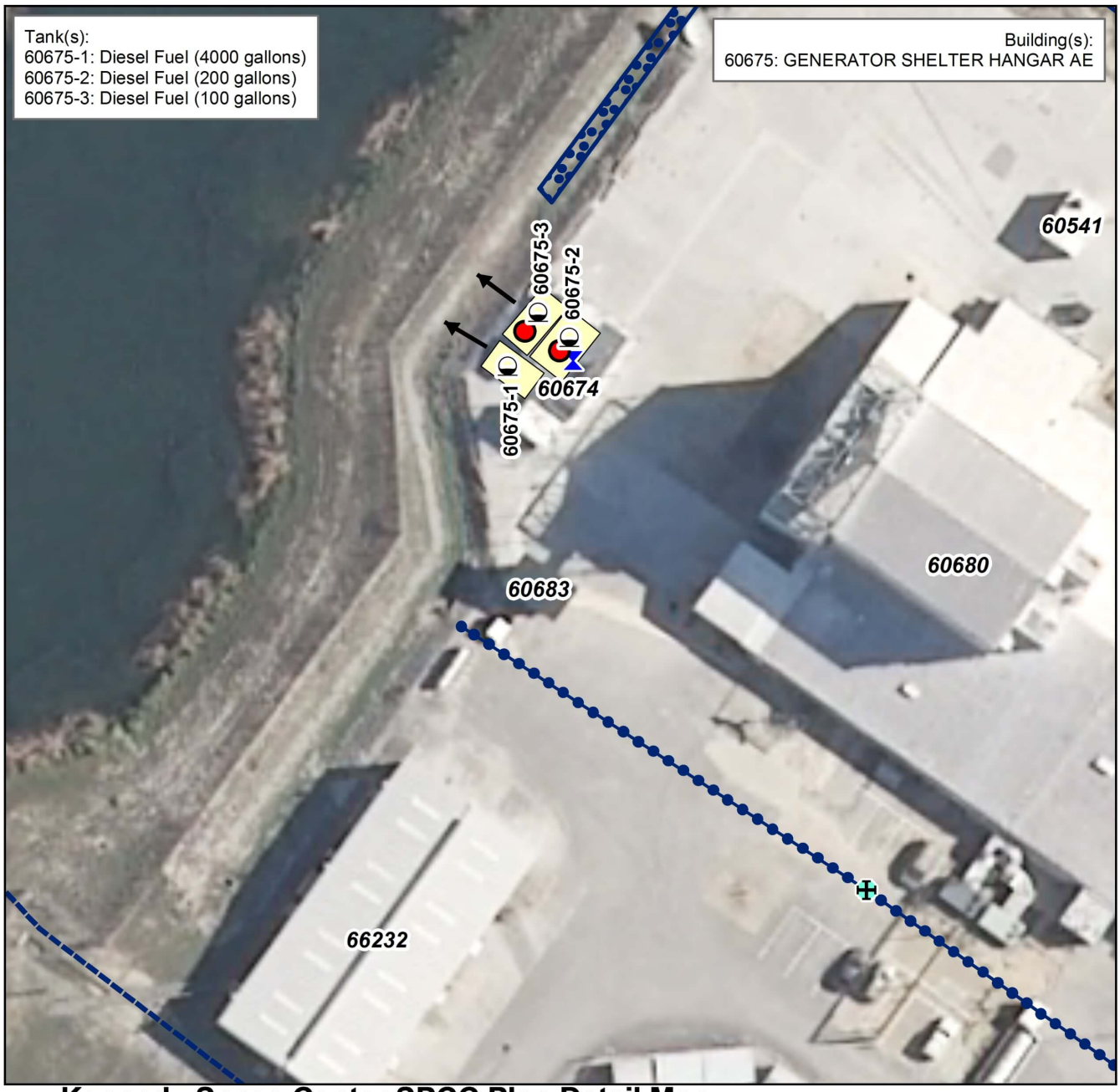
The following spill response materials are located at this building:

1. Large spill kit

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Exempted UST	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 25 50 100 Feet

MAP #115
Mar 13, 2014

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

B-10 Kennedy Propellants and Life Support Services (KPLSS) Contract

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: 73720

Description: Portable secondary containment buildings used for the storage of used oil and diesel fuel generated from Building 73720.

Building/Site Name: HOT MOBILE TANKER MAINTENANCE FACILITY

Operator: KPLSS

Environmental Contact: 867-5718

2.0 DESCRIPTION OF OIL STORAGE

Container: **73720-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 2 - 55 Gallons

Materials Stored: Used oil

Fail Safe Features: N/A

Construction Details: Stainless steel drum

Date Installed: 2009

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Used oil is transferred into 55-gallon drums by manually pouring from small containers within the portable secondary containment building. Up to 2 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment building is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Spills from 55-gallon drums would be collected within the portable secondary containment building. Overflows from the portable secondary containmnet building would flow west across the road to a grassy area where it would be contained, and subsequently cleaned up by the 24-hour spill response team.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **73720-2**

Container Type: 55-Gallon Drum

Container Capacity: 55 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: N/A

Construction Details: Stainless steel drum

Date Installed: 2009

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Portable secondary containment building

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Diesel fuel is transferred into 55-gallon drums via contractor fuel truck pump. FSA#1 technicians utilize a hand pump to retrieve diesel fuel from the drums for use.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Spills from 55-gallon drums would be collected within the portable secondary containment building. Overflows from the portable secondary containmnet building would flow west across the road to a grassy area where it would be contained, and subsequently cleaned up by the 24-hour spill response team.

Maximum Refueling/Vacuum Truck Capacity: N/A

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil as described in Section 3.0 of the SPCC plan.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport.
4. Formal, documented visual inspections are conducted as described in Section 4.0 of the SPCC Plan.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

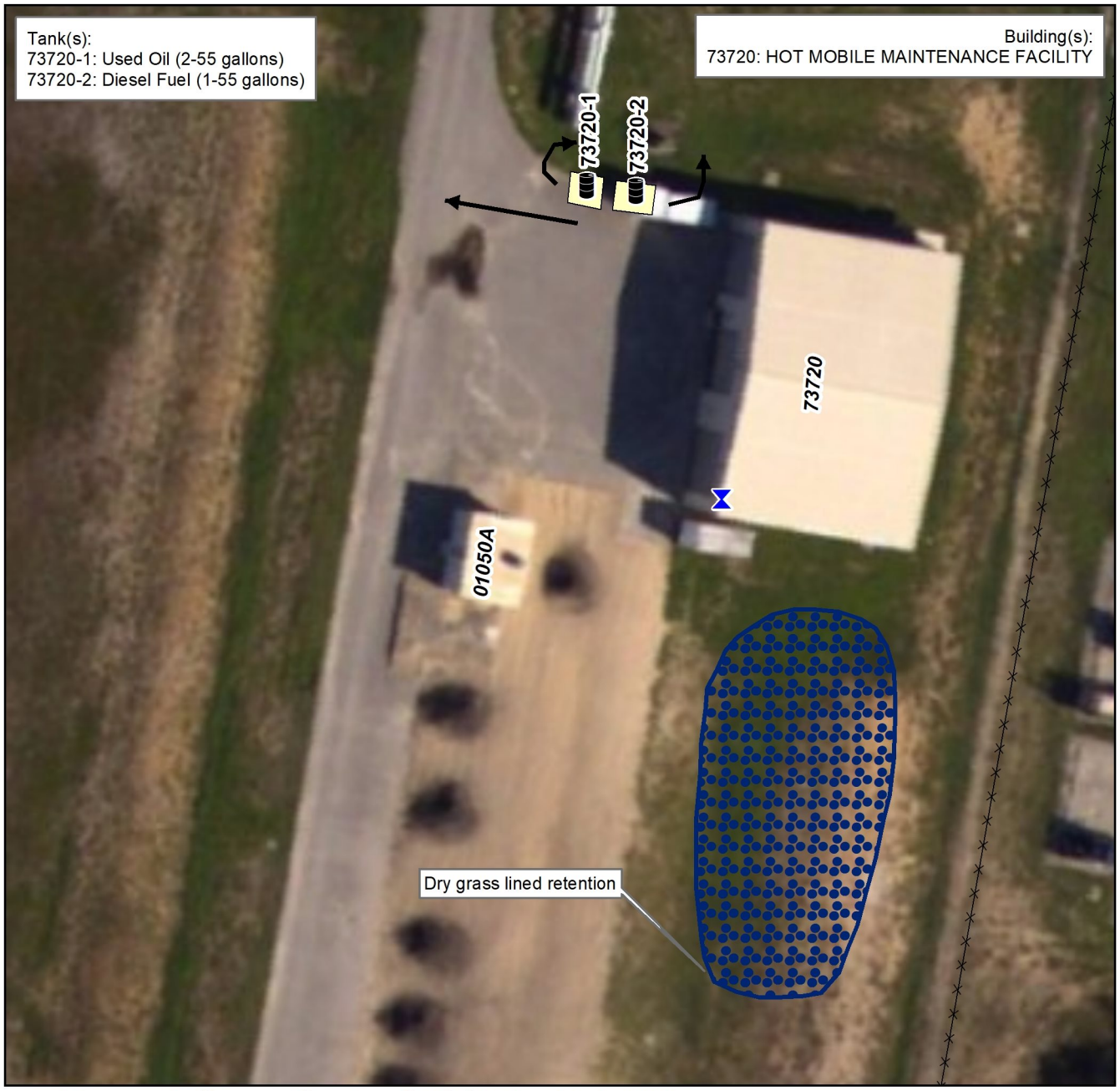
The following spill response materials are located at this building:

1. Small spill kit

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

Feet
0 25 50 100

MAP #700
Jun 1, 2018

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: K7-0468

Description: The primary function of this building is to service compressors.

Building/Site Name: CONVERTER/COMPRESSOR BLDG

Operator: KPLSS

Environmental Contact: 867-5718

2.0 DESCRIPTION OF OIL STORAGE

Container: **K7-0468-1**

Container Type: Tank

Container Capacity: 125 Gallons

Materials Stored: Used oil

Fail Safe Features: Direct vision gauge on tank

Construction Details: Concrete vaulted tank

Date Installed: 1993

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Double walled tank

Secondary Containment Volume: >125 Gallons

Piping Type: Aboveground

Corrosion Protection: Protective Coating

Piping Details: Single-walled stainless steel

Oil Fill and Transfer Details: Used oil is manually transferred from small containers (less than 5 gallons) into this tank. A KSC vacuum tank truck pumps out this tank on an as-needed basis.

Secondary Containment Drainage Procedure: The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

Any liquid accumulated in between the primary and secondary walls of the tank is pumped to a container and inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: A leak from the tank would be contained by the concrete vault surrounding the tank. A spill during tank filling operators or from a rupture of the concrete vault would flow out onto the unpaved ground surface directly north of Building K7-0486, and infiltrate into the ground.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **K7-0468-2**

Container Type: 55-Gallon Drum

Container Capacity: Up to 4 - 55 Gallons

Materials Stored: Oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Plastic clamshell containment

Secondary Containment Volume: 66 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Oil is manually dispensed from the drums into small containers for use at Building K7-0468. Up to 4 drums are stored at this facility at a time.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the clamshell containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: A leak from a drum would be contained within the clamshell secondary containment. Overflows of the containment would flow out of the clamshell secondary containment and travel south to a grassy area.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K7-0468-3**

Container Type: Process Equipment

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Container Capacity: 90 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: Atmospheric vent

Direct vision level gauge on tank

Construction Details: Single walled steel tank on a trailer

Date Installed: 2016

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: None provided

Secondary Containment Volume: 0 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Flex line connects supply reservoir to distribution system

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an as needed basis.

Secondary Containment Drainage Procedure: N/A

Spill Route Details: Any spill would first occur on the trailer surface then onto the ground surface. Spills to ground surface would flow to a nearby storm drain. This storm sewer system discharges to a swale/ditch to the north.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K7-0468-5**

Container Type: Process Equipment

Container Capacity: 90 Gallons

Materials Stored: Hydraulic fluid

Fail Safe Features: Atmospheric vent

Direct vision level gauge on tank

Construction Details: Single walled steel tank on a trailer

Date Installed: 2016

Integrity Test Method: Annual inspections are conducted in accordance with Section 4.8 of the SPCC Plan.

Secondary Containment Details: None provided

Secondary Containment Volume: 0 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Flex line connects supply reservoir to distribution system

Oil Fill and Transfer Details: Small amounts of oil are added to this reservoir on an as needed basis.

RELEASED - Printed documents may be obsolete; validate prior to use.

RELEASED - Printed documents may be obsolete; validate prior to use.

Kennedy Space Center Site-Specific SPCC Plan Data

Secondary Containment Drainage Procedure: N/A

Spill Route Details: Any spill would first occur on the trailer surface then onto the ground surface. Spills to ground surface would flow to a nearby storm drain. This storm sewer system discharges to a swale/ditch to the north.

Maximum Refueling/Vacuum Truck Capacity: N/A

Container: **K7-0468-7**

Container Type: Mobile Tank

Container Capacity: 197 Gallons

Materials Stored: Diesel fuel

Fail Safe Features: Visual Level indication

Direct vision gauge

Construction Details: Single-walled steel tank within a secondary containment

Date Installed: 09/15/2020

Integrity Test Method: Annual walk around inspections are conducted in accordance with Section 4.3, utilizing criteria from Table 4.4 of the SPCC Plan.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3, using criteria from Table 4.4 of the SPCC Plan (KSC PLN 1919)

Secondary Containment Details: Steel containment structure

Secondary Containment Volume: >197 Gallons

Piping Type: Aboveground

Corrosion Protection: N/A

Piping Details: Single-walled flexible

Oil Fill and Transfer Details: This tank is filled on an as-needed basis by a commercial contractor. Because the fuel level display panel is not visible to fuel supply personnel during fuel transfer, a second person is required to monitor the fuel level during transfers to prevent overfilling.

Secondary Containment Drainage Procedure: Any liquid accumulated in the containment is inspected for the presence of a sheen or odor.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: The mobile tank may be stored on the east side or west side of K7-0468 depending on facility operation requirements. A leak from the fuel tank would be captured within the secondary containment. A leak from the secondary containment or a spill occurring during loading/unloading operations would flow onto the paved surface and enter nearby stormwater drop inlet structures located on the east and west side of the facility. The drop inlet discharges to a swale/ditch to the north of the facility, which ultimately discharge to Happy Creek/Banana Creek.

Maximum Refueling/Vacuum Truck Capacity: 1,500 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
4. Secondary containment is provided for all tanks and drums storing oil.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

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Kennedy Space Center Site-Specific SPCC Plan Data

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Large spill kit

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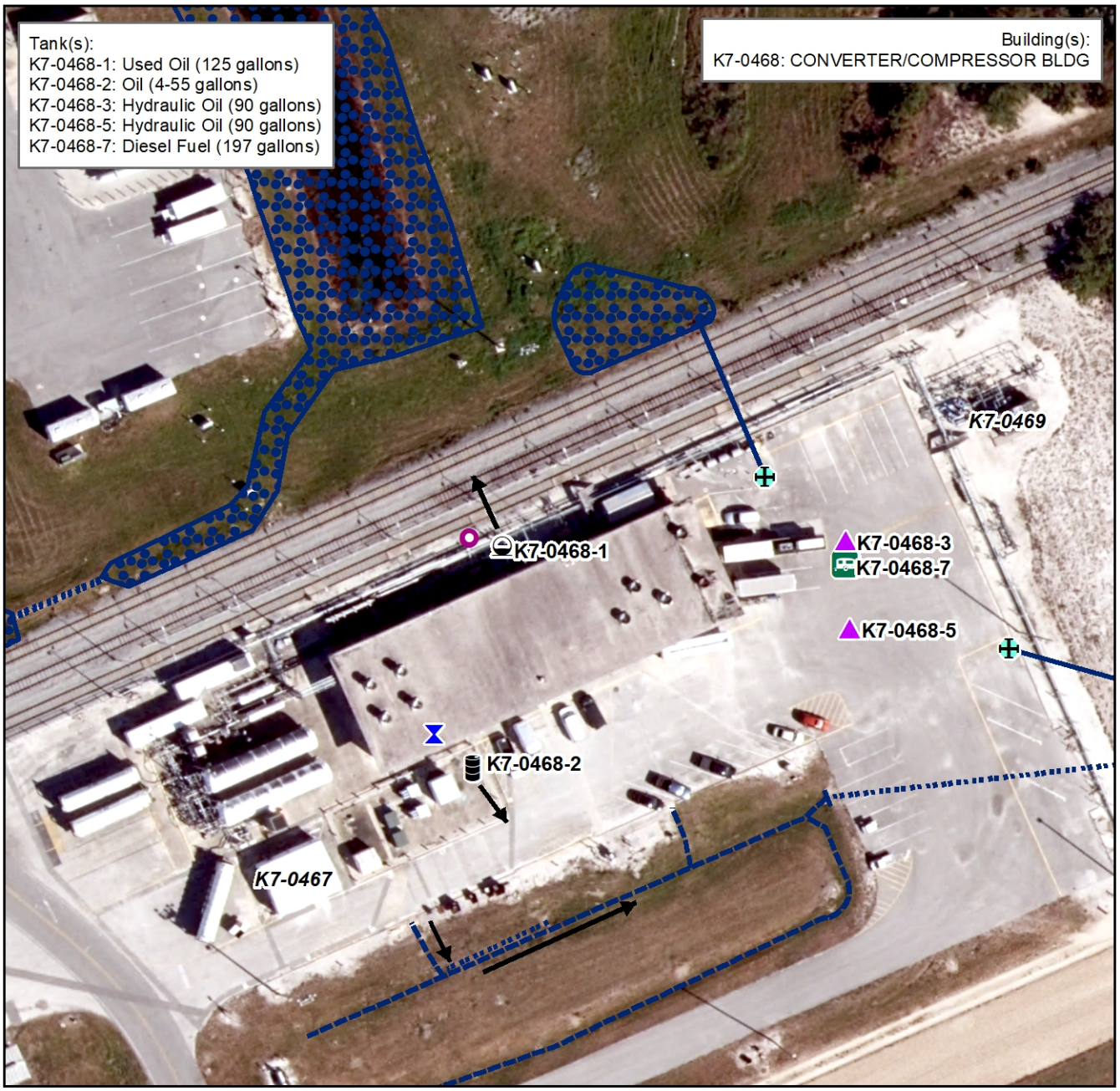
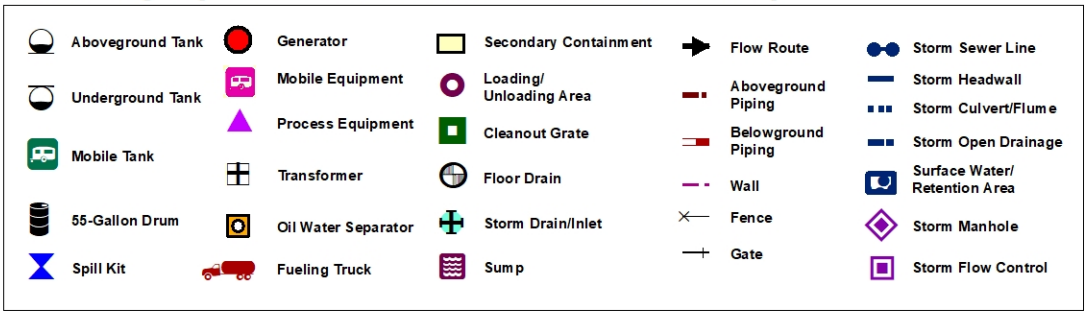
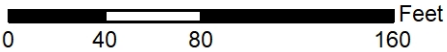
Kennedy Space Center Site-Specific SPCC Plan Data



Kennedy Space Center SPCC Plan Detail Map





MAP #10
Nov 11, 2020

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0688

Description: The primary function of this building is repair and maintain KSC equipment and trailers. Oil storage includes compressor condensate, new and used oil stored in 55-gallon drums. There are also mobile compressor trailers containing diesel fuel and hydraulic oil stored at the facility.

Building/Site Name: PROPELLENTS MAINTENANCE

Operator: KPLSS

Environmental Contact: 867-5718

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0688-1**

Container Type: 55-Gallon Drum

Container Capacity: Up to 3 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: N/A

Construction Details: Steel or plastic drum

Date Installed: N/A

Integrity Test Method: Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Secondary Containment Details: Metal containment tray

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: The used oil drums are filled manually with small containers by shop personnel. Used oil from the drums is pumped into a vacuum truck once the drums are full on an as needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

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Kennedy Space Center Site-Specific SPCC Plan Data

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Spills and leaks from used oil drums would accumulate in the metal containment tray. Overflows of the drum secondary containment would flow south and pool on a concrete surface.

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

Container: **M6-0688-2**

Container Type: 55-Gallon Drum

Container Capacity: Up to 3 - 55 Gallons

Materials Stored: New and used oil

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: N/A

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Metal containment tray

Secondary Containment Volume: >55 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: The used oil drums are filled manually with small containers by shop personnel. Used oil from the drums is pumped into a vacuum truck once the drums are full on an as needed basis.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for the presence of a sheen or odor.

If deemed to be free of oil, accumulated liquid is vacuumed and discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

Spill Route Details: Spills and leaks from used oil drums would accumulate in the metal containment tray. Overflows of the drum secondary containment would flow south and pool on a concrete surface.

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Kennedy Space Center Site-Specific SPCC Plan Data

Maximum Refueling/Vacuum Truck Capacity: 2000 Gallons

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and handling of oil.
2. Containers are kept closed except when in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for all drums.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. Attempt to identify the type of oil that is spilled (gasoline, diesel, transmission fluid, etc.). Refer to SDS to obtain detailed information on properties of the spilled material.
2. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
3. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
4. Place spill containment devices between the spill and the nearest storm drainage channel.
5. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
6. Notify supervisor or facility manager who will follow the procedures outlined below.
7. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

0 40 80 160 Feet

MAP #720
Jun 6, 2018

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Kennedy Space Center Site-Specific SPCC Plan Data

1.0 IDENTIFYING DATA

Building/Site Number: M6-0737

Description: Oil storage at this facility includes oil stored in 55-gallon drums.

Building/Site Name: HAZ. WASTE STAGING SHELTER

Operator: KPLSS

Environmental Contact: 867-5718

2.0 DESCRIPTION OF OIL STORAGE

Container: **M6-0737-2**

Container Type: 55-Gallon Drum

Container Capacity: Up to 6 - 55 Gallons

Materials Stored: Compressor condensate

Fail Safe Features: N/A

Construction Details: Steel drum

Date Installed: 10/01/2015

Integrity Test Method: 55-gallon drums used to store oil are replaced within 10 years and/or when they show signs of visual degradation.

Visual inspections are conducted on a monthly basis in accordance with Section 4.3 of the SPCC Plan.

Secondary Containment Details: Concrete bermed area with roof

Secondary Containment Volume: 2877 Gallons

Piping Type: N/A

Corrosion Protection: N/A

Piping Details: N/A

Oil Fill and Transfer Details: Compressor condensate is transferred directly from a recharger vehicle to the storage drum.

Secondary Containment Drainage Procedure: Any liquid accumulated in the floor of the secondary containment is inspected for oil odor or sheen.

If deemed to be free of oil, accumulated liquid is discharged to the ground surface.

If determined to be contaminated with oil, accumulated liquid is containerized and picked up by the KSC used oil/oily wastewater contractor for recycling and/or disposal in accordance with applicable regulations.

The date and time of drainage and presence or absence of oil is documented in the Secondary Containment and Drainage Log, or similar form provided in Table 4-6 of the SPCC Plan.

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Kennedy Space Center Site-Specific SPCC Plan Data

Spill Route Details: Leaks or spills from drums would be contained within the secondary containment area. Overflows from the secondary containment would flow south into a stormwater ditch system that eventually leads to the Region 1 stormwater retention pond.

Maximum Refueling/Vacuum Truck Capacity: N/A

3.0 SITE-SPECIFIC SPILL PREVENTION

The following site specific spill prevention measures are utilized at this building:

1. All personnel with oil handling responsibilities at the facility will receive training in the management and safe handling of oil.
2. Containers are kept closed when not in use.
3. Drums and other containers storing new and used oils are securely fastened during transport and a portable spill kit accompanies all shipments.
4. Formal, documented inspections are conducted as described in Section 4.0 of the SPCC Plan.
5. Secondary containment is provided for drums.

4.0 SITE-SPECIFIC RESPONSE PROCEDURES

The following site specific spill response procedures are implemented at this building:

1. Personnel safety takes precedence over all other considerations. Upon discovering a spill, determine if spill is an emergency to Safety, Health, or Environment. If yes, secure the site and initiate site evacuation.
2. Refer to Section 5.0 of the KSC SPCC plan for detailed spill, response, control and cleanup measures.
3. Restrict all sources of ignition when flammable substances are involved.

If spill is determined to be an Emergency. Then:

1. Report an "emergency spill" via 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS), radio, OIS, or fire alarm pull station.
2. Notify Supervisor.
3. Fire, Security, EHS, and HazMat Team will be dispatched, as required.

If spill is determined to be "non-emergency" and within facility's capability, call 911 (867-7911 from a cellular phone on KSC, or 853-0911 on CCAFS) and report a "non-emergency spill". Then:

1. If safe, attempt to limit or stop the flow of oil from failed tanks, equipment, or transfer operations.
2. Contain spill near the source area, if possible, to limit the area impacted by the spill incident.
3. Use absorbents of other material to clean up the spill. Request a Spill Cleanup Team if additional assistance is required.
4. Notify Supervisor and Facility Manager.
5. Promptly dispose of any waste derived from the spill cleanup in accordance with KNPR 8500.1 KSC Environmental Requirements

5.0 SPILL RESPONSE MATERIALS

The following spill response materials are located at this building:

1. Small spill kit

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Kennedy Space Center Site-Specific SPCC Plan Data

Kennedy Space Center SPCC Plan Detail Map

Aboveground Tank	Generator	Secondary Containment	Flow Route	Storm Sewer Line
Underground Tank	Mobile Equipment	Loading/ Unloading Area	Aboveground Piping	Storm Headwall
Mobile Tank	Process Equipment	Cleanout Grate	Belowground Piping	Storm Culvert/Flume
55-Gallon Drum	Transformer	Floor Drain	Wall	Storm Open Drainage
Spill Kit	Oil Water Separator	Storm Drain/Inlet	Fence	Surface Water/ Retention Area
	Fueling Truck	Sump	Gate	Storm Manhole
				Storm Flow Control

N W E S

Feet
0 40 80 160

MAP #720
Jun 6, 2018

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