

CAMP DENALI



Spill Prevention, Control & Countermeasure Plan



Photo: Camp Denali Aerial

September 2022

DMVA INSTALLATION SPILL CONTINGENCY PLAN

CAN YOU CLEAN UP WITH THE MATERIALS AND PERSONNEL YOU HAVE ON HAND?

This includes a leak, fuel spill, or a finding of fuel-stained soil.

YES

Incidental Release

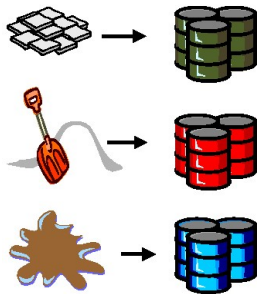


Put on personal protective equipment, such as gloves and goggles, found in the spill response kits.

Remove ignition sources and avoid vapors.



Stop flow of spill by closing valves, up-righting container, or creating a berm with boom, dirt, or snow. (See page 3 for location of piping shut-off valves.)



Place pooled material and contaminated sorbent, snow, soil, and debris into 55-gallon drum(s) or onto plastic sheeting using non-sparking tools. This should be done as quickly as is feasible after a spill to prevent further migration of oil.

Label drum(s). Example:



Contact AKARNG/DMVA Environmental Office to arrange for disposal: (907) 428-7182.

Use the adjacent notification chart for spill reporting once the spill response is complete.

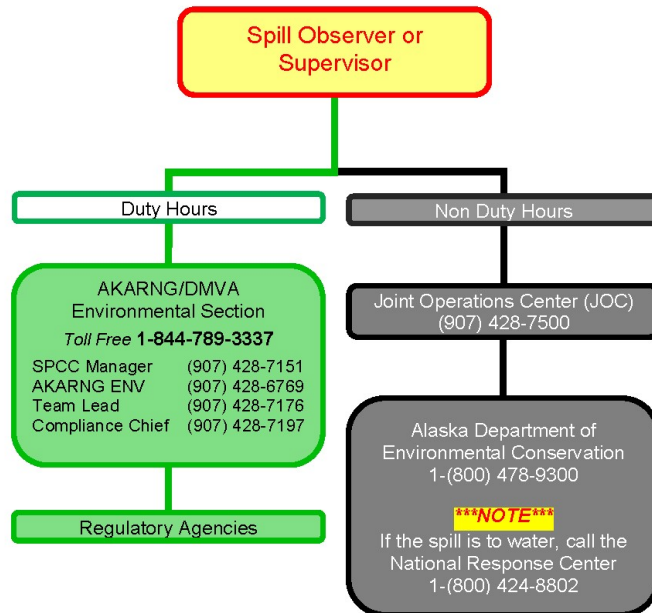
NO

Uncontrolled Release

Evacuate Personnel if Necessary.



Use the following flow chart to notify Chain of Command and Environmental Section.



Do not leave only a voice mail. Notification is not complete until speaking with a person.

AKARNG Environmental Office will contract outside resources for cleanup when necessary.

Camp Denali RC Contact List	
<u>DMVA Office / Personnel</u>	<u>Telephone Number</u>
Camp Denali Armory Joint Operations Center	(907) 428-7500
United States Property and Fiscal Office Material Handler Supervisor Alternate: Joint Operations Center	(907) 428-7484 (907) 428-7500
Combined Support Maintenance Shop (CSMS) General Foreman SPCC Coordinator	(907) 428-6950 (907) 428-6960
Facilities Maintenance Branch AKARNG Facilities Operations Manager Anchorage Shop Foreman Building Maintenance Superintendent	(907) 428-6123 (907) 428-7180 (907) 428-7159
Environmental Branch SPCC Manager Team Lead Haz-Waste Manager State Environmental Program Manager (EPM)	(907) 428-7151 (907) 428-7176 (907) 428-7182 (907) 428-7197
AKARNG Environmental Manager	(907) 428-6769
Public Affairs Officer	(907) 428-6031
If a spill occurs outside normal business hours, immediately notify:	
Joint Operations Center	(907) 428-7500
or Alaska Department of Environmental Conservation	(800) 478-9300
If oil enters or threatens a navigable waterway, also immediately notify:	
National Response Center - Washington D.C.	(800) 424-8802

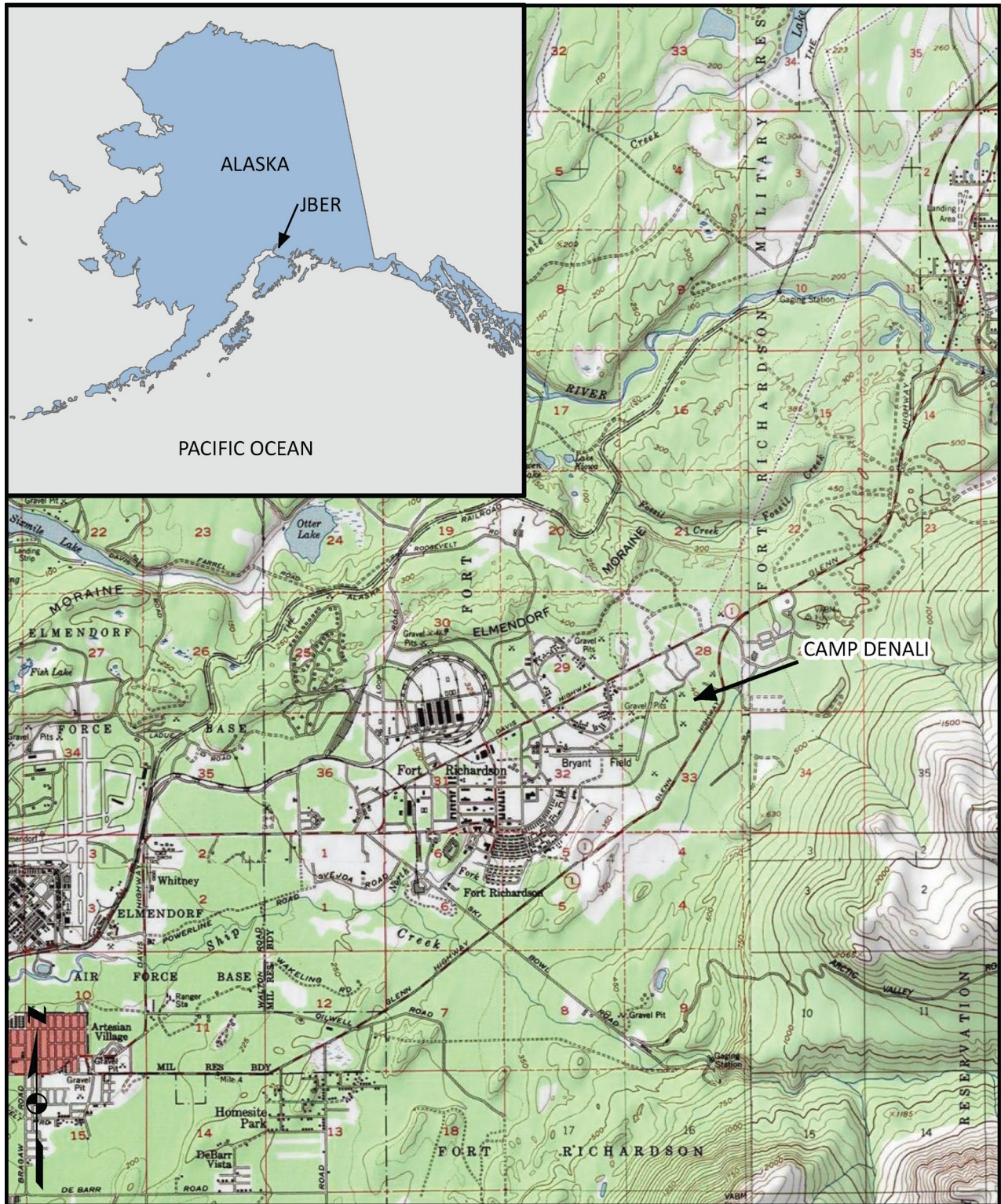
The Spill Response Point of Contact (POC) for Camp Denali is the AKARNG Environmental Branch SPCC Manager.



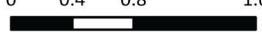
Spill Reporting

Even minor leaks or spills that are contained and cleaned up by the spiller or the first person on the scene must be reported to the Environmental Section. By doing so, mistakes or problems that caused the spill may be corrected.

The Spill Response POC should conduct spill notification following the flow chart on Page 1. In addition, the Environmental Section will need the information on the form at the back of this SPCC Plan completed in order to document the spill, report to regulatory agencies, and prevent reoccurrence. A release notification placard is posted on-site. Spill records will be maintained at Camp Carroll for a minimum of three years.

CAMP DENALI



	<p>CAMP DENALI VICINITY MAP SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN</p>	
<p>JOINT BASE ELMENDORF RICHARDSON (JBER), ALASKA</p>		
<p>JOB NO: 2018 DATE: October 2018</p>	<p>DRAWN BY: PML FILE: AKARNG MAPPING</p>	<p>0 0.4 0.8 1.6 Miles</p> 
		<p>FIGURE 1</p>



Location Map
Camp Denali

Borough, Municipality of Anchorage Date: 4/19/2022

Scale 1:2,000 1 inch = 167 feet

0 115 230 490
Feet

Gate
 Fence
 Installation Area
 Building

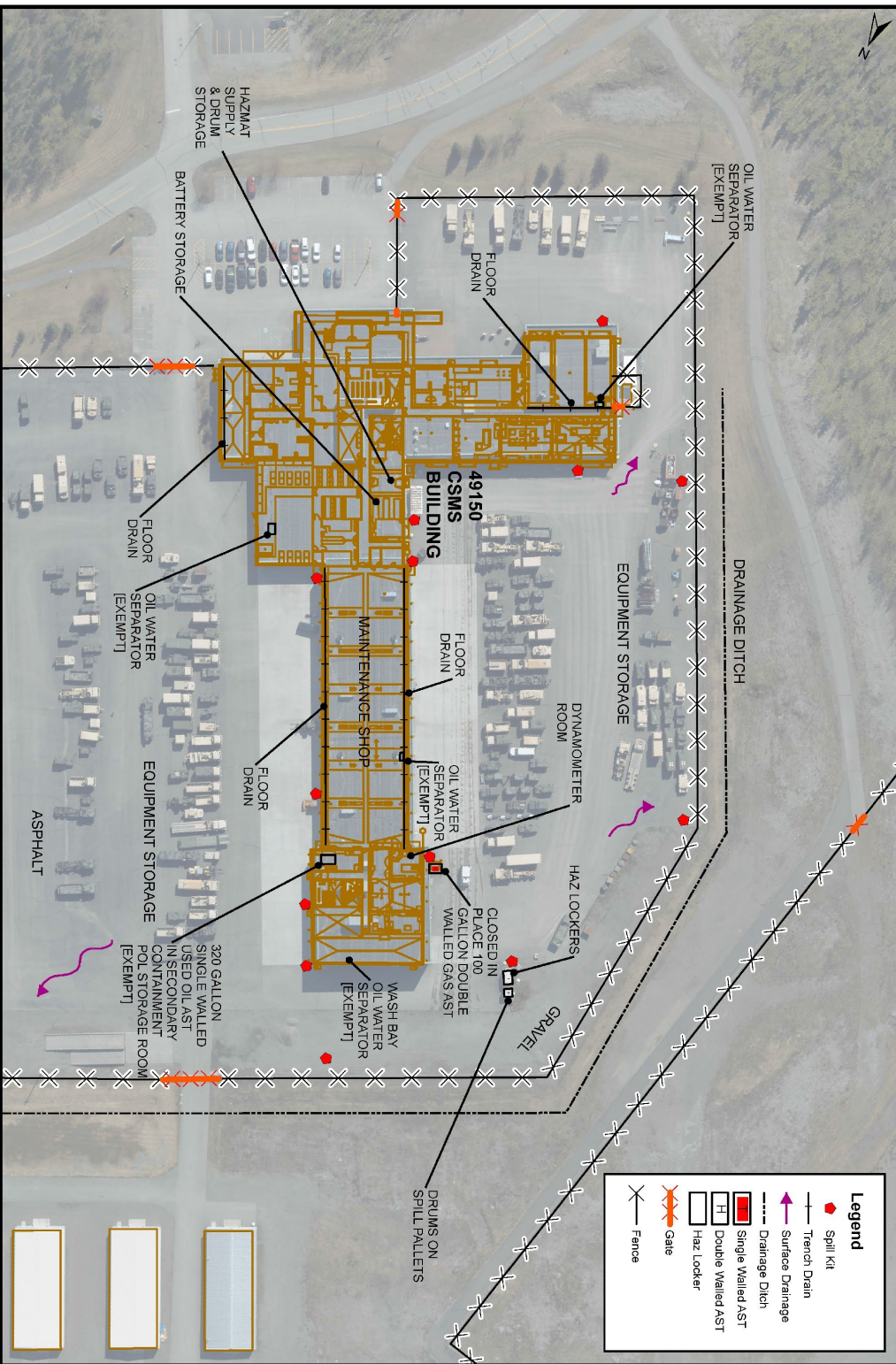
Reference Map


ANCHORAGE

Location Area

THIS MAP IS A PRELIMINARY MAP AND IS NOT TO BE USED FOR CONSTRUCTION OR OTHER PURPOSES. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION SHOWN ON THIS MAP. THE MUNICIPALITY OF ANCHORAGE AND THE DEPARTMENT OF TRANSPORTATION MAKE NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, OR SUITABILITY OF THE INFORMATION SHOWN ON THIS MAP. THE MUNICIPALITY OF ANCHORAGE AND THE DEPARTMENT OF TRANSPORTATION SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS MAP. THE MUNICIPALITY OF ANCHORAGE AND THE DEPARTMENT OF TRANSPORTATION SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS MAP. THE MUNICIPALITY OF ANCHORAGE AND THE DEPARTMENT OF TRANSPORTATION SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS MAP.

CAMP DENALI BUILDING 49150





**CSMS BUILDING 49150 FACILITY LAYOUT
SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN**

JOINT BASE ELMENDORF RICHARDSON (JBER), ALASKA


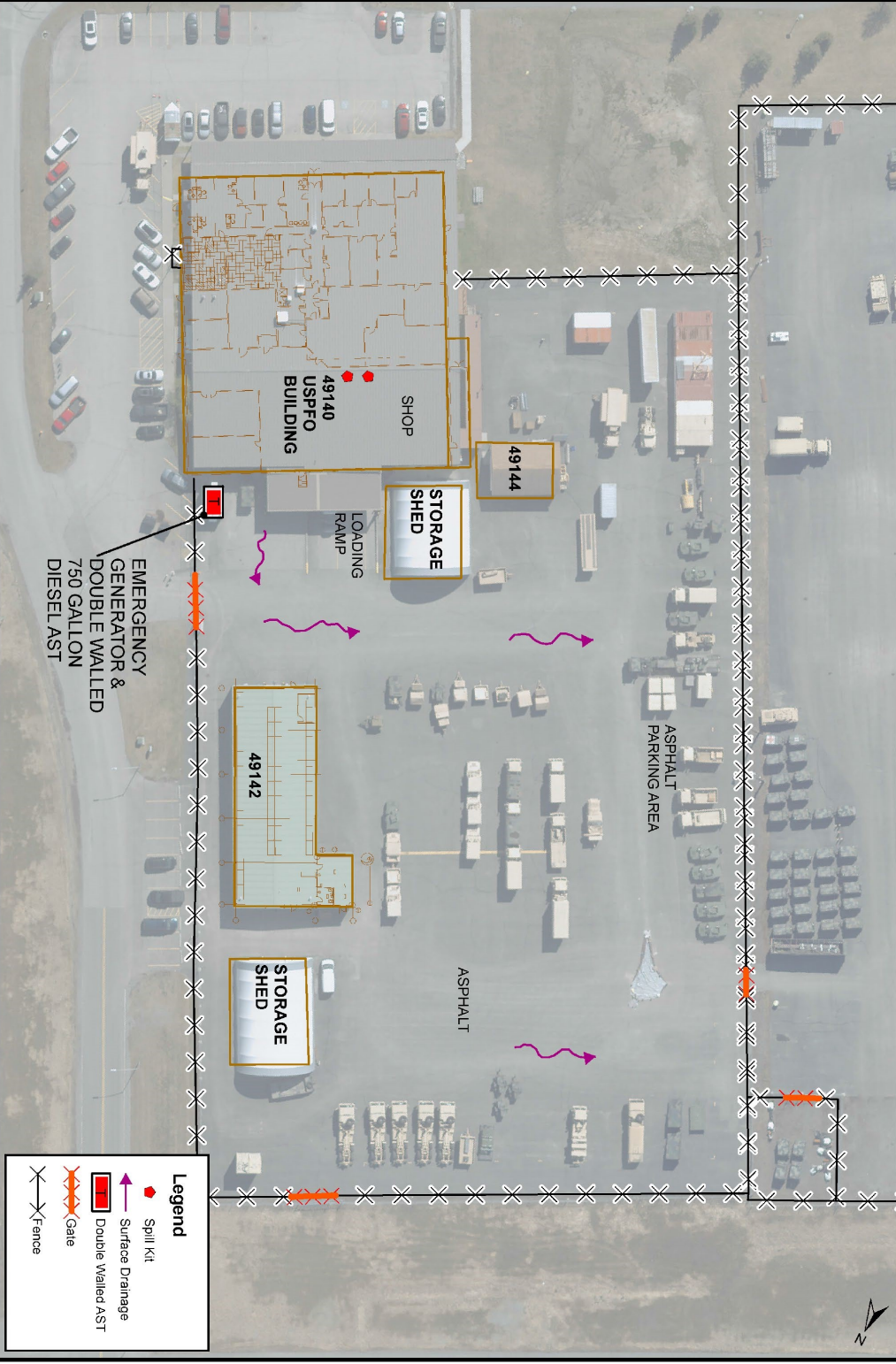




FIGURE 4

JOB NO: 190000294	DRAWN BY: JCR	NOT TO SCALE
DATE: NOVEMBER 2018	FILE: NGAJ MAPING	

CAMP DENALI BUILDING 49140



			
USFPO BUILDING 49140 FACILITY LAYOUT SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN		JOINT BASE ELMENDORF RICHARDSON (JBER), ALASKA	
JOB NO.: 190000294	DATE: NOVEMBER 2018	DRAWN BY: JCR	FILE: NGA-K MAPPING
NOT TO SCALE		FIGURE 5	

SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN

This Spill Prevention Control and Countermeasure (SPCC) Plan has been prepared to conform to requirements set forth under 40 CFR 112 as provided in the Federal Register, Volume 67, Number 137 dated July 17, 2002 and SPCC Plan amendments through the most recent amendment dated October 24, 2010 in Federal Register Volume 75, No. 198, page 63093.

Site Description

Site Name: Camp Denali

Physical Layout: The facility is located on Joint Base Elmendorf-Richardson (JBER), approximately nine miles northeast of downtown Anchorage. It consists of the following site features:

- **Armory (Building 49000):** A two-story, 210,000-square-foot building, constructed in 1991. It houses the Office of the Adjutant General/Commissioner of the Department of Military and Veterans' Affairs, Headquarters of the AKARNG and subordinate commands, Headquarters of the State Defense Force, the Alaska Division of Emergency Services, and the State Division of Veterans' Affairs. In 2013-2014, an addition known as G-Wing was constructed on Building 49000 extending the building to the southwest and providing an additional 30,000-square-feet. G-Wing houses the United States Coast Guard Sector Anchorage. A 3,000-gallon double-wall AST that provides fuel to a generator for a large antenna is located in the southwest corner of the fenced-in area west of Building 49000. Additionally, an emergency generator with a 550gallon aboveground storage tank (AST) is located immediately west of the armory building.
- **CSMS (Building 49040):** A one-story, 18,000-square-foot concrete building with a small basement, constructed in 1991. It contains 10 maintenance bays, 2 lubrication bays, and 2 wash bays. A 310-gallon used-oil AST and associated burner is located in the north end of the building. The building also features a petroleum, oil, and lubricant (POL) storage room in the basement.
- **CSMS (Building 49150):** A one-story building constructed in 2002. It contains a POL storage room, and a 320-gallon used-oil AST and associated burner.
- **USPFO Warehouse (Building 49140):** A one-story building with a partial second-story used for storage of office equipment and supplies, built in 1979. The emergency generator has a generator 'belly' 750-gallon diesel AST that is encapsulated by a generator enclosure and is normally locked. The AST is located north of the building.
- **USPFO (Building 49139):** [WNI(1)]A two-story building constructed in 2020. The emergency generator has a generator "belly" 850-gallon diesel AST that is encapsulated by a generator enclosure. The AST is located south of the building.

Fuel Storage

Bulk quantities of fuel are stored on-site at the following locations:

Armory Building 49000 Antenna Generator AST

- UL-142 listed double-walled diesel tank for a generator module providing antenna power supply. Located in southwest corner of fenced-in area west of Building 49000.
- Capacity: 3,000 gallons
- Overhead steel supply and return piping provides fuel to emergency generator module.
- Inner tank vented to the atmosphere. Inner and outer tanks provided with emergency vents.



- Tank has clock gauge, leak detection for interstitial space, and vent whistle to notify when tank is becoming full.

Armory Building 49000 Emergency Generator Diesel AST

- One ANSI/NFPA Type II, UL-142 listed, self-diked tank.
- Capacity: 550 gallons
- Tank features level gauge, interstitial space monitoring port, normal vent, and emergency vent.
- Located to the west adjacent to Armory Building 49000.



Armory Building 49000 Emergency Generator 1150-gallon

- Doubled-walled diesel tank located inside generator module west of the center of Armory building in asphalt parking area
- Capacity: 1,150 gallons
- Installed in current location in 2009
- Outer tank has a drain port fitted with a butterfly valve and a threaded steel cap
- Inner and outer tank are vented to the atmosphere
- Inner tank has external fuel tank sight glass level gauge

Armory Building 49000 Hazmat Lockers

- Six Hazardous Materials (hazmat) storage lockers with integral containment sumps located on north side of CSMS Building 49040.
- Used to store 55-gallon drums and small containers of fuel and hazmat.



CSMS Building 49040 Used Oil Tank and Burner

- Single-walled rectangular tank.
- Capacity: 310 gallons
- Tank situated over spill pan with approximate capacity of 50 gallons.
- Located in northwest corner of building in wash bay.
- Building floor or wash rack sump would provide secondary containment in event of a spill.



CSMS Building 49040 POL Storage

- Room in basement of CSMS houses drums of oil and lube for equipment and vehicle maintenance.
- Oil and lube are pumped from drums via pressurized hoses to maintenance bays on the main floor of the building.
- Floor is sloped to the center of room and provides adequate containment.

CSMS Building 49040 Used Oil Underground Storage Tank

- Oil water separator in Work Bay 5 receives fluids from building trench drains. Water drains to sewer system and oil to 550-gallon double-walled underground storage tank below ground in Work Bay 5.
- Tank has leak detection and high-level alarm.
- Tank is exempt from SPCC regulation but is noted for spill prevention purposes.

CSMS Building 49150 Used Oil Tank

- Single-walled steel tank.
- Nominal capacity: 320 gallons
- Tank located in building POL storage room.
- Floor is sloped to the center of room and provides adequate containment.
- Steel piping provides fuel to used oil burner.



CSMS Building 49150 Used Oil Underground Storage Tanks

- Oil water separators are located in four locations throughout the building. Oil water separators receive fluids from building trench drains. Water drains to the sewer system and oil to 550-gallon double-walled underground storage tanks below the floor slab in the building.
- Tanks have leak detection and high-level alarm.
- JBER contractor pumps and cleans the tanks on an as-needed basis.
- Tanks are exempt from SPCC regulation but are noted for spill prevention purposes.

CSMS Building 49150 Used Oil Storage Room

- POL storage located next to Used Oil Burner with floor that slopes to center, providing containment
- Used to store 55-gallon drums, Used Antifreeze, and small containers of fuel or potentially hazardous material awaiting disposal. Maximum of 550 gallons of fuel stored here at a time.

CSMS Building 49150 Hazmat Lockers

- Two Hazardous Materials (hazmat) storage lockers with integral containment sumps are located northwest of CSMS Building 49150.
- Used to store 55-gallon drums and small containers of fuel and hazmat.



CSMS Building 49150 Hazmat Storage Room

- Hazardous Materials (hazmat) storage room with floor that slopes to center, providing containment.
- Located adjacent to battery storage room.
- Used to store 55-gallon drums and small containers of fuel and hazmat. Maximum of 550 gallons stored in 55-gallon drums or larger at a time.

USPFO Building 49140 Emergency Generator Diesel AST

- UL-142 listed, double-walled steel generator base tank located beneath generator module northwest of USPFO building in asphalt parking area.
- Capacity: 750 gallons
- Tank has high-level and leak detection alarms, and overfill prevention valve.



USPFO Building 49139 Emergency Generator Diesel AST

- UL-142 listed, double-walled steel generator base tank located beneath generator module near parking area.
- Capacity: 850 gallons
- Tank has high-level and leak detection alarms.



Tank Inventory

Aboveground Storage Tanks

Storage Unit	Product Stored	Capacity (gallons)	Container Material	Overfill Protection	Release Detection Method	Secondary Containment
49000 Antenna Generator	Diesel	3000	Steel	Direct reading gauge	Visual	Integral containment (double-wall)
49000 Emergency Generator	Diesel	550	Steel	Direct reading gauge	Visual	Integral containment (self-diked)
49000 Emergency Generator	Diesel	1150	Steel	Sight glass level gauge	Visual	Integral containment (double-wall)
49040 Used Oil Tank	Used Oil	310	Steel	Direct reading gauge	Visual	Building floor and spill kits
49150 Used Oil Tank	Used Oil	320	Steel	Liquid level gauge	Visual	Building floor (sloped)
49140 Emergency Generator	Diesel	750	Steel	Direct reading gauge	Visual	Integral containment (double-wall)
49139 Emergency Generator	Diesel	850	Steel	Direct reading gauge	Visual	Integral containment (double-wall)

Portable Container Storage Areas						
Storage Unit	Product Stored	Capacity (gallons)	Units (max)	Overfill Protection	Release Detection Method	Secondary Containment
49000 Hazmat Lockers	Fuel, hazmat	110	2 drums (55-gallon)	Visually monitored	Visual	Integral containment sump
49040 POL Storage	Oil and lubricants	330	6 drums (55-gallon)	Visually monitored	Visual	Building floor (sloped)
49150 Used Oil Storage	Used oil, fuel, antifreeze	550	10 drums (55-gallon)	Visually monitored	Visual	Building floor (sloped)
49150 Hazmat Lockers	Fuel, hazmat	110	2 drums (55-gallon)	Visually monitored	Visual	Integral containment sump
49150 Hazmat Storage Room	Fuel, hazmat	550	10 drums (55-gallon)	Visually monitored	Visual	Building floor (sloped)

Total containment on site: 8,580 gallons

Potential Spill and Predicted Flow

The largest active stationary spill source on-site is the Armory Building 49000 Antenna Emergency Generator tank. The amount of fuel that could potentially spill is 3,000 gallons, a full tank volume. The rate of flow from a potential spill ranges from 0.1 gallons per minute (gal/min) for a leak and up to 300 gal/min for a tank rupture. A mobile refueler HEMTT (fuel truck) could potentially spill 5,000 gallons.

The on-site topography at Camp Denali is generally relatively level. Camp Denali is located on a series of built-up asphalt-surfaced pads. Drainage generally flows to the edges of each pad onto surrounding gravel or vegetated surfaces. Figures 3, 4, and 5 illustrate potential spill flow.

On the east side of the Armory, surface runoff is intercepted by a paved channel that leads to an unpaved open area south of the complex. Two drainage ditches (one primary and one secondary) west of the Armory receive storm water runoff from the Armory military vehicle parking area. The secondary ditch, about 300 feet south of the south end of the bulk fuel and containment parking area, receives runoff from the south half of the parking area and conveys runoff to the primary ditch. The primary ditch, immediately south of the bulk fuel and containment parking area, receives runoff from the north half of the parking area and flow from the secondary ditch. The primary ditch conveys storm water to the west and eventually infiltrates into well-draining sand and gravel soils.

Small spills at Camp Denali would most likely pool and flow across the asphalt pad surrounding the particular building/tank that the spill originated from. In the event of a large spill at Camp Denali, the neighboring gravel or vegetated areas would likely be impacted. Ship Creek is the nearest

surface water to the facility, located approximately 1.5 miles south of Camp Denali. Surface waters of the US would be unlikely to be impacted in the event of a spill.

Discharge Prevention

Armory Building 49000

- The antenna generator 3,000-gallon diesel AST is located in the southwest corner of the fenced area west of Building 49000. The tank is double-walled and constructed of steel appropriate for storage of petroleum products. An overflow bucket and an automatic flow restrictor (90% overflow prevention valve) are installed. The tank features a vent whistle overflow alarm, clock liquid level gauge, and leak detection gauge.
- A 550-gallon self-diked diesel AST is located adjacent to the west of Building 49000. The tank is constructed of steel appropriate for storage of petroleum products. An overflow bucket, automatic flow restrictor, and interstitial space monitoring port are present on the tank.

Armory Building 49050

- The fuel truck containment area (Armory Building 49050) is a covered containment area located in the northwest corner of the fenced area west of Armory Building 49000 with approximate holding capacity of 30,000 gallons. Mobile refuelers HEMTT trucks are typically stored in this area when not in use.

CSMS Building 49040

- A used-oil burner, 310-gallon AST, and drums storing lubricants are located inside CSMS Building 49040. The building floor or wash rack sump provide adequate secondary containment were a spill to occur. The drums of lubricants are stored in the basement POL room which is sloped to the center and provides adequate containment capacity.
- The CSMS Building 49040 used oil underground storage tank is a double-walled tank and has leak detection and a high-level alarm. The tank is exempt from SPCC regulations due to its underground storage tank status, but has been included for general spill prevention purposes.

CSMS Building 49150

- A used-oil burner, 320-gallon AST, and drums storing lubricants are located inside the CSMS Building 49150. The POL room floor, which is sloped to drain to the center, will provide adequate secondary containment were a spill to occur.
- The CSMS Building 49150 features four used oil underground storage tanks that receive oil from oil water separators throughout the facility building. The tanks are double-walled and have leak detection and a high-level alarm. The tanks are exempt from SPCC regulations due to their underground storage tank status, but have been included for general spill prevention purposes.
- The CSMS Building 49150 includes a hazardous materials storage room with a floor that slopes to its center, providing adequate secondary containment. Drums of various fuel, oil, and other hazardous materials are stored in the room.

USPFO Building 49140

- The USPFO Building 49140 750-gallon emergency generator diesel AST is a base tank located beneath a modular generator building adjacent to the USPFO building. The tank is double-walled and constructed of steel appropriate for storage of petroleum products. An automatic flow restrictor (90% overflow prevention valve) is installed. The tank features an audible overflow alarm and leak detection alarm. The tank fuel levels are physically measured with a gauging stick prior to refueling to ensure the tank is not overfilled.

USPFO Building 49139

- The USPFO Building 49139 850-gallon emergency generator diesel AST is a base tank located beneath a modular

generator building adjacent to the new USPFO building. The tank is double-walled and constructed of steel appropriate for storage of petroleum products. The tank features an audible overfill alarm and leak detection alarm. The tank fuel levels are physically measured with a gauging stick prior to refueling to ensure the tank is not overfilled.

Piping Armory Building 49000

- Fuel is transferred between the antenna generator AST and the antenna generator via steel supply and return piping. If a leak occurs in the piping, it would likely spill onto the gravel area surrounding the tank and potentially reach the vegetated drainage ditch west of the tank. Spilled fuel would be unlikely to reach water due to the distance that would need to be traveled (see Figure 1), and the fact that fuel would pool on the concrete pad until cleanup could occur. Automatic pumps are set to operate when the emergency generator requires fuel, minimizing the potential for human error during routine fuel transfers.
- Fuel is transferred between the emergency generator 550-gallon AST and the generator via steel supply and return piping.

CSMS Building 49040

- Fuel is transferred between the used oil tank and burner located directly above it. Piping is located along the wall and is away from where it could be impacted by people or equipment in the area. Spills from the piping would be contained in the wash rack sump.
- Fuel is transferred between POL storage drums and lubrication stations throughout Building 49040 via overhead steel piping and flexible hoses by pneumatic air pressure. If a spill were to occur from the hoses, it would be contained in the building floor drains and drain to the oil water separator and underground used oil storage tank.

CSMS Building 49150

- Fuel is transferred between the used oil tank and burner in the adjacent room through

steel piping via an inline pump set that operates automatically when the burner requires fuel, minimizing the potential for human error during routine fuel transfers.

USPFO Building 49140

- Fuel is transferred between the emergency generator AST and the generator via steel supply and return piping located within the generator module building. If a leak occurs in the piping, it would likely be captured by

Fuel Transfer into ASTs

Fuel is transported and pumped to facility fuel tanks by a third-party fuel vendor. Procedures include manually gauging the tanks prior to filling and only transferring enough fuel to fill the AST to 80% capacity. Overfill buckets are in place around some of the fill pipes to capture spilled or overfilled fuel.

Camp Denali Facility Wide Discharge Prevention

- Provisions in place to meet the overall intent of 40 CFR 112 include establishment of an integrity assessment program; installation spill contingency plans for both individual sites and state-wide emergency spill response; and management commitment of manpower, equipment, and materials that provide on-site spill kits for small spills and contracts for cleanup of large spills.
- Mobile and portable tanks are located at the facility. Any mobile and portable tanks at the facility will be stationed in a location where general secondary containment will prevent potential discharges from reaching waters of the US. If stationed for an extended period of time, mobile and portable tanks will be stored in secondary containment large enough to capture the contents of the largest tank as well as sufficient freeboard to contain precipitation from a 2-yr 24-hr storm event.

Miscellaneous Hazmat

In support of minor maintenance conducted at the facility, small quantities of oils and hazardous chemicals can be stored in one of the many hazmat lockers and storage rooms located throughout the facility. The lockers are constructed of heavy gauge steel for storage of hazardous materials. The bases consist of a secondary spill containment sump. The hazardous materials storage rooms drain to the center of the room with no drain. Any spilled materials would be contained within the room. Containers with a capacity below 55 gallons are not regulated under 40 CFR 112, but are noted here for informational purposes.

All containers with a capacity of 55 gallons or greater and contain any oil product must be stored with secondary containment of adequate capacity to hold the contents of the largest single container. AKARNG policy is to provide secondary containment as required. Fuel storage beyond the secondary containment capacity of the site must be immediately contained or removed.

Security

Spill prevention security features at Camp Denali include the following:

- Light fixtures are mounted on the buildings to illuminate the exterior of the facility, the entryways, and the ASTs.
- Camp Denali is staffed on a full-time basis and locked when not attended.
- The majority of fuel control valves and pumps are located inside the buildings.
- All access to the ASTs is from the top

of the tanks. AST fill pipes are normally capped, but not locked. There are no accessible drain ports to the main tanks.

- The location of the ASTs within fenced areas, within modular buildings, and next to facility buildings reduces potential approach by vehicles at speeds that may result in tank damage.

All facility fuel storage areas are fenced.

Countermeasures

Spill Response Resources

In the event of a spill, the local Spill Response POC must determine whether the spill can be cleaned up with materials on hand. Spill kits are located in many areas throughout the facility. Materials on-hand consist of spill response kits which include the following items:



- Absorbent Pads
- Absorbent Booms
- Protective Eyewear
- Overboots
- Shovels
- Garden Rake
- Duct Tape
- Emergency Response Guidebooks
- Gloves (latex, nitrile, PVC/butyl, & silver shield)
- Tyvek & Saranex Suits
- Wringers (manual, drum-mounted)
- Caution Tape
- Contractor's Bags (45-gallon)

The Environmental Office will provide for outside resources if the cleanup requires activity beyond on-site capabilities.

Spill Residue Disposal

To dispose of spill residue and used cleanup materials, contact the DMVA Environmental Section. Phone numbers are listed in the contact list on page 2. The Environmental section will arrange for disposal through the Defense Logistics Agency (DLA) or private contractors.

Inspections

DMVA utilizes Steel Tank Institute (STI) *Standard for Inspection of In-Service Shop Fabricated Aboveground Tanks for Storage of Combustible and Flammable Liquids*, STI SP001 to meet AST integrity assessment requirements. Tank inspection records are maintained in Environmental Section files at Camp Carroll. Records will be kept for a minimum of three years.

- Annual inspections are conducted by knowledgeable personnel (including AKARNG Environmental and JBER Environmental) and include visual inspection of the tanks, piping, and other connected equipment in accordance with STI SP001. Needed repairs are corrected as soon as feasible.

Owner inspections are conducted by knowledgeable personnel on a minimum annual basis, with additional periodic inspections performed on an opportunistic basis. Periodic tank inspections are conducted by personnel that are knowledgeable of storage facility operations, characteristics of the liquid stored, the type of AST, and its associated components.

- Inspections are conducted to STI SP001 as appropriate for the tank construction,

age, and condition. ASTs at DMVA facilities are repaired, maintained, or replaced as determined by these procedures. Inspections include a visual inspection of the tank's exterior surfaces including evidence of leaks, shell distortions, signs of settlement, corrosion, condition of foundation, paint coatings, appurtenances, and piping.

If liquid is found to be in the interstitial space during inspections, it is inspected for a sheen, treated if required, and then discharged. Valves, pumps, or other methods may be used to drain interstitial space. Records of containment dewatering will be maintained with inspection records.

Soldiers are instructed to maintain an active awareness of tank conditions by visually checking the tank for any problems during drills at Camp Denali. Documentation of these inspections is only recorded if a problem is noted.

Training

In accordance with 40 CFR 112.7(f), oil handling personnel are trained annually by the DMVA FMO-ENV Office and/or AKARNG ENV, or its agent, in the following:

- Operation and maintenance of equipment to prevent discharges;
- Discharge procedure protocols, including reporting;
- Applicable pollution control regulations and the content of this SPCC Plan.

Attendees include oil handling and facility personnel needing to know and implement SPCC-required response and reporting procedures. Official training records are kept at the Camp Carroll Environmental Section.

REGULATORY CROSS-REFERENCE

CITATION	DESCRIPTION	PLAN SECTION
§112.3(d)	Professional Engineer Certification	Page 16
§112.5(b)	Management of Five-Year Review	Page 16
§112.7	General requirements for SPCC Plans	Pages 1-17
§112.7(a)(1)	Discussion of facility's conformance with general requirements	Page 8
§112.7(a)(2)	Non-conformance and alternate methods to achieve equivalent environmental protection	Page 8
§112.7(a)(3)	Physical layout and facility diagrams	Pages 3-7
§112.7(a)(3)(i)	Type of oil in each container and its storage capacity	Pages 5-10
§112.7(a)(3)(ii)	Discharge prevention measures	Pages 11-13
§112.7(a)(3)(iii)	Discharge or drainage controls – secondary containment	Pages 11-13
§112.7(a)(3)(iv)	Countermeasures for discharge discovery, response, and cleanup	Pages 1, 13-14
§112.7(a)(3)(v)	Methods of disposal	Pages 13-14
§112.7(a)(3)(vi)	Contact list and phone numbers	Page 2
§112.7(a)(4)	Notification procedures and phone numbers	Pages 1, 2
§112.7(a)(5)	Discharge response procedures	Page 1, ISCP
§112.7(b)	Discharge analysis	Pages 11-12
§112.7(c)	Secondary containment	Pages 11-12
§112.7(d)	Impracticability and contingency planning	Not Applicable
§112.7(e)	Inspections, tests, and records	Pages 14
§112.7(f)	Personnel training and discharge prevention procedures	Pages 1, 11-14
§112.7(g)	Security (excluding oil production facilities)	Page 13
§112.7(h)	Tank car and tank truck loading/unloading rack (excluding offshore facilities, farms, and oil production facilities)	Not Applicable
§112.7(i)	Brittle fracture evaluation requirements	Not Applicable
§112.7(j)	Conformance with State requirements	Pages 1, 2 (ADEC)
§112.7(k)	Oil-filled Operational Equipment	Not Applicable
§112.8	SPCC Plan requirements for onshore facilities (excluding production facilities)	Pages 1-17
§112.8(a)	General and specific requirements	Pages 1-17
§112.8(b)(1)	Restrain drainage from diked storage areas	Not Applicable
§112.8(b)(2)	Use of valves for drainage of diked areas	Page 14
§112.8(b)(3)	Drainage from undiked areas	Not Applicable
§112.8(b)(4)	Non-engineered drainage from undiked areas	Not Applicable
§112.8(b)(5)	Treatment of drainage waters	Page 14
§112.8(c)(1)	Bulk storage container material and construction	Pages 8-13
§112.8(c)(2)	Bulk storage container secondary containment	Pages 8-13
§112.8(c)(3)	Drainage of secondary containment	Page 14
§112.8(c)(4)	Coatings or cathodic protection for completely buried metallic storage tanks	Not Applicable
§112.8(c)(5)	Coatings or cathodic protection for partially buried or bunkered metallic tanks	Not Applicable

§112.8(c)(6)	Integrity testing of aboveground containers	Page 14
§112.8(c)(7)	Leak detection and control of internal heating coils	Not Applicable
§112.8(c)(8)	Overfill protection (liquid level detection) for containers	Pages 8-13
§112.8(c)(9)	Inspection of effluent treatment facilities	Not Applicable
§112.8(c)(10)	Clean-up of discharge accumulations in diked areas	Pages 13-14
§112.8(c)(11)	Positioning and secondary containment for mobile or portable containers	Pages 11-12
§112.8(d)(1)	Wrapping or coating and cathodic protection for buried oil transfer piping, and inspection	Not Applicable
§112.8(d)(2)	Out-of-service buried oil transfer piping	Not Applicable
§112.8(d)(3)	Piping supports for oil transfer piping	Pages 8-13
§112.8(d)(4)	Inspection of oil transfer piping, valves, and appurtenances	Page 14
§112.8(d)(5)	Protection of oil transfer piping from vehicle damage	Pages 8-14

Spill Prevention Control and Countermeasure Plan
Compliance Inspection Review History

In accordance with 40 CFR 112, a management review and evaluation of this SPCC Plan is required at least once every five (5) years. As a result of this review and evaluation, this SPCC Plan will require amendment within six (6) months of the review to include more effective prevention and control technology if (1) such technology will significantly reduce the likelihood of a spill event from the facility, and (2) such technology has been field-proven at the time of review. If any changes to the facility design, construction, operation, or maintenance occurs which materially affects the facility's potential for the discharge of oil into or upon navigable waters of the United States or adjoining shorelines, an amendment is required for this SPCC plan as soon as possible. Any amendment to this SPCC Plan shall be certified by a Registered Professional Engineer as soon as possible and within six (6) months after facility changes take place. Non-technical SPCC Plan revisions are permitted by the facility Owner/Operator without engineer certification.

40 CFR 112.4 requires submittal of all information listed in 40 CFR 112.4 (a) 1-9 within 60 days to the United States Environmental Protection Agency (EPA) Regional Administrator and the appropriate state agency in charge of oil pollution control activities whenever the facility discharges more than 1,000 gallons of oil in a single event, or discharges more than 42 gallons of oil in each of two discharge incidents within a 12-month period that reaches navigable waters of the U.S. There is no standard reporting form.

Management Approval

The State of Alaska is committed to the prevention of discharges of oil to navigable waters and the environment, and maintains the spill prevention control and countermeasures readiness in accordance with 40 CFR 112 through regular review, updating, training, and implementation of this Spill Prevention Control and Countermeasures Plan for:

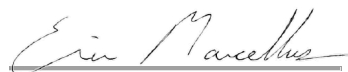
- Camp Denali

I hereby certify that this SPCC Plan will be implemented as described herein.

Authorized Representative

LTC Eric Marcellus

Signature



Title

Construction and
Facilities Management
Officer

Date

Attachment C-II-Certification of the Applicability of the Substantial Harm Criteria

Facility Name: Camp Denali Readiness Center

Facility Address: Buildings 49000, 49040, 49050, 49139, 49140, and 49150, Joint Base Elmendorf Fort Richardson, Alaska 99505

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

Yes _____ No X

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground storage tank area?

Yes _____ No X

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using formula in Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula¹) such that a discharge from the facility could cause injury to fish and wildlife and sensitive areas? For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Environments" (Section 10, Appendix E, 40 CFR 112 for availability) and the applicable area Contingency Plan.

Yes _____ No X

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance as calculated using the appropriate formula (Attachment C-III, Appendix C, 40 CFR 112 or a comparable formula¹) such that a discharge from the facility would shut down a public drinking water intake²?

Yes _____ No X

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?

Yes _____ No X

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate and complete.

Printed Name: LTC Eric Marcellus Title: Construction and Facilities Management Officer

Signature *Eric Marcellus* Date 23 SEP 2022

¹ If a comparable formula is used, documentation of the reliability and analytical soundness of the comparable formula must be attached to this form.

² For the purposes of 40 CFR 112, public drinking water intakes are analogous to public water systems as described at 40 CFR 143.2(c)

Attachments

Alaska Department of Environmental Conservation Spill Notification Form

Containment Dewatering Log

SPCC Personnel Training Form SPCC

Plan Revisions/Annual Review Log

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPILL NOTIFICATION FOR OIL AND HAZARDOUS MATERIALS
(Written reports required by 18 AAC 75.307)**

Mailing Address: Alaska Army National Guard
P.O. Box 5169
Bldg. 49000
JBER, AK 99505

Name of Operator of Facility: Department of Military and Veterans' Affairs
Construction and Facilities Management Office

Contact Phone Number: Environmental Office (907) 428-7151

Fax: (907) 428-7192

Name of facility: _____ **Phone:** _____

Date and time of notification: _____

Person reporting discharge: _____

Date and time of discharge: _____

Discharge source: _____

Cause of discharge: _____

Type and amount of oil or hazardous substance(s) discharged: _____

Description of cleanup actions taken: _____

Estimated amount of hazardous substances or oil cleaned up: _____

Estimated amount of hazardous waste generated: _____

Description of any environmental damage caused: _____

Description of actions taken to prevent recurrence of the discharge: _____

Method of ultimate disposal or current location of material: _____

Names of individuals and organizations contacted: _____

Other information that the Department may require to fully assess the cause and impact of the discharge:

**Alaska Army National Guard
SPCC Personnel Training Form Checklist**

Annual SPCC Training Refresher Checklist

This form is designed to guide personnel in conducting Spill Prevention Control and Countermeasure Training. Address each item in sequence.

All personnel attending the spill meeting should be recorded at completion of the training meeting.

1. Record location, date and time of SPCC training meeting.
2. Record name and title of person leading the SPCC training meeting.
3. Discuss location(s) of spill response equipment.
4. Review location(s), type(s) and proper operation of spill response equipment.
5. Discuss the possible spill sources direction(s) and flow rate of a potential spill.

Any release actually or threatening to enter waters of the United States is a reportable spill, reference contact numbers in the SPCC Plan.

6. Discuss potential spill containment actions.
7. Discuss potential spill collection and disposal actions.
8. Discuss contractors available to help provide equipment and manpower.
9. Discuss the condition, use, and proper operation of hoses, pumps, piping and valves in the product transfer and storage systems.
10. Discuss preventative actions that can be taken to reduce the chance of a spill.
11. Discuss the definition of a spill or release and agency contact procedures.
12. Record SPCC training meeting action items.
13. Record personnel attending SPCC training meeting; have them sign their names as record of attendance.

Record of Plan Review

Review Trigger (check one)	Result of the Plan Review (check all that apply)
<input type="checkbox"/> 5 Year Review (EPA SPCC Plan) <input type="checkbox"/> Facility modifications (tank/piping changes, etc.) <input checked="" type="checkbox"/> Annual review <input type="checkbox"/> Post Spill	<input type="checkbox"/> Administrative changes – DMVA can complete <input checked="" type="checkbox"/> Technical amendments – PE certification required <input type="checkbox"/> No plan changes needed
Reviewer Name & Title (PRINT): _____ Kelley Tu	
Certification of Plan Review: <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;"><i>Kelley Tu</i></p> <hr style="width: 80%; margin: 0 auto;"/> <p style="text-align: center;">Signature</p> </div> <div style="width: 60%;"> <p>I completed a review and evaluation of the SPCC Plan for this facility on the date provided below and <input checked="" type="checkbox"/> will / will not (circle one) amend the plan.</p> <p style="text-align: right;">Review Date: _____ 19DEC2019</p> </div> </div>	
Description or summary of required revisions: See Annual Review log above, page 23.	
Review Trigger (check one)	Result of the Plan Review (check all that apply)
<input type="checkbox"/> 5 Year Review (EPA SPCC Plan) <input type="checkbox"/> Facility modifications (tank/piping changes, etc.) <input checked="" type="checkbox"/> Annual review <input type="checkbox"/> Post Spill	<input type="checkbox"/> Administrative changes – DMVA can complete <input type="checkbox"/> Technical amendments X– PE certification required <input type="checkbox"/> No plan changes needed
Reviewer Name & Title (PRINT): _____ Nicole Warner, Water Resources Program Manager	
Certification of Plan Review: <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;"><i>Nicole Warner</i></p> <hr style="width: 80%; margin: 0 auto;"/> <p style="text-align: center;">Signature</p> </div> <div style="width: 60%;"> <p>I completed a review and evaluation of the SPCC Plan for this facility on the date provided below and will / will not (circle one) amend the plan.</p> <p style="text-align: right;">Review Date: _____ 1/11/2021</p> </div> </div>	
Description or summary of required revisions: See Annual Review Log, page 23.	
Review Trigger (check one)	Result of the Plan Review (check all that apply)
<input type="checkbox"/> 5 Year Review (EPA SPCC Plan) <input type="checkbox"/> Facility modifications (tank/piping changes, etc.)X <input type="checkbox"/> Annual review <input type="checkbox"/> Post Spill	<input type="checkbox"/> Administrative changes – DMVA can complete <input type="checkbox"/> Technical amendments X– PE certification required----- ----- <input type="checkbox"/> No plan changes needed
Reviewer Name & Title (PRINT): _____ Nicole Warner, Environmental Program Specialist III	
Certification of Plan Review: <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;"><i>Nicole Warner</i></p> <hr style="width: 80%; margin: 0 auto;"/> <p style="text-align: center;">Signature</p> </div> <div style="width: 60%;"> <p>I completed a review and evaluation of the SPCC Plan for this facility on the date provided below and will / will not (circle one) amend the plan.</p> <p style="text-align: right;">Review Date: _____ 4 APR 2022</p> </div> </div>	
Description or summary of required revisions: Figure 3 updated to reflect current conditions (1150-gallon tank is double-walled and no longer perm. closed). Camp Denali qualifies as self-certifiable site.	

Record of Plan Review

Review Trigger (check one)	Result of the Plan Review (check all that apply)
<input type="checkbox"/> 5 Year Review (EPA SPCC Plan) <input type="checkbox"/> Facility modifications (tank/piping changes, etc.) <input type="checkbox"/> Annual review <input type="checkbox"/> Post Spill	<input type="checkbox"/> Administrative changes – DMVA can complete <input type="checkbox"/> Technical amendments – PE certification required <input type="checkbox"/> No plan changes needed
Reviewer Name & Title (PRINT): _____	
Certification of Plan Review: _____ Signature	I completed a review and evaluation of the SPCC Plan for this facility on the date provided below and will / will not (circle one) amend the plan. Review Date: _____
Description or summary of required revisions:	

Review Trigger (check one)	Result of the Plan Review (check all that apply)
<input type="checkbox"/> 5 Year Review (EPA SPCC Plan) <input type="checkbox"/> Facility modifications (tank/piping changes, etc.) <input type="checkbox"/> Annual review <input type="checkbox"/> Post Spill	<input type="checkbox"/> Administrative changes – DMVA can complete <input type="checkbox"/> Technical amendments – PE certification required <input type="checkbox"/> No plan changes needed
Reviewer Name & Title (PRINT): _____	
Certification of Plan Review: _____ Signature	I completed a review and evaluation of the SPCC Plan for this facility on the date provided below and will / will not (circle one) amend the plan. Review Date: _____
Description or summary of required revisions:	