



State of Delaware

Department of Natural Resources & Environmental Control
Division of Air & Waste Management, Tank Management Branch
Office (302) 395-2500 Fax (302) 395-2555

Underground Storage Tank Facility Registration Certificate

Facility #

1-000767

Issue Date

Mar 2012

Dover Air Force Base AAFES Service Station

This certifies that

Facility has been duly registered with the State of Delaware. This certificate will renew upon payment of annual tank registration fees. New Certificates will be issued only upon tank removal, installation, change in service, or change in facility name or ownership. **This Certificate MUST BE POSTED at the Facility.**

Facility Name & Address:

Dover Air Force Base AAFES Service
Station
517 Atlantic Street
Dover DE 19902

Owner Name & Address:

Dover AFB, 436 CES/CEAN
600 Chevron Avenue
Dover DE 19902

TankID	Capacity	Compartment / Substance	Status
1	20000	(20000) Gasoline - Regular	In Service
2	22000	(12000) Gasoline- Premium (10000) Diesel	In Service

Stage I Permit #

APC2010/4119.OI

Stage II Permit #

apc2010/4120

CARB Executive Order #

G-70-153-AD

Program Manager, Tank Management Branch



State of Delaware

Department of Natural Resources & Environmental Control

Division of Waste and Hazardous Substances

Compliance and Permitting Section

Underground Storage Tank Facility Registration Certificate

Facility #

1-000286

Issue Date

Jun 2022

Dover Air Force Base

This certifies that

Facility has been duly registered with the State of Delaware. This certificate will renew upon payment of annual tank registration fees. New Certificates will be issued only upon tank removal, installation, change in service, or change in facility name or ownership. **This Certificate MUST BE POSTED at the Facility.**

Facility Name & Address:

Dover Air Force Base
600 Chevron Avenue
436th Sptg/CEVR Dover AFB DE
199025600

Owner Name & Address:

Dover Air Force Base
600 Chevron Avenue
436th Sptg/CEVR
Dover AFB DE 199025600

TankID

Capacity

Compartment / Substance

Status

20

10000

(10000) Diesel

In Service

22

10000

(10000) Diesel

In Service

23

10000

(10000) Jet Fuel #8

In Service

Stage I Permit #

Stage II Permit #

CARB Executive Order #

Environmental Program Administrator
Compliance and Permitting Section

**EMERGENCY RESPONSE ACTION PLAN
(ERAP)
DOVER AFB, DOVER, DELAWARE**



January 2023

**EMERGENCY RESPONSE ACTION PLAN
DOVER AFB, DELAWARE**

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**EMERGENCY RESPONSE ACTION PLAN
DOVER AFB, DELAWARE**

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**EMERGENCY RESPONSE ACTION PLAN
DOVER AFB, DELAWARE**

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EMERGENCY RESPONSE ACTION PLAN

DOVER AFB, DELAWARE

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ERAP Attachment 1 Spill Notification Form

**EMERGENCY RESPONSE ACTION PLAN
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1 QUALIFIED INDIVIDUAL AND INCIDENT COMMANDER INFORMATION¹

Incident Commander (IC) and Alternate IC	
Position	Fire Chief Senior Fire Official On-Duty
Work Address	Building 140, Dover AFB
Emergency Telephone Number	911 302-677-4401 (24 hrs/7 days)
Specific Response Training	IC Training
Qualified Individual (QI)	
Position	436th Mission Support Group (MSG) Commander
Work Address	Building 639 bay 19, Dover AFB
Emergency Telephone Number	911 302-677-4201 (24-hr, Command Post)
Specific Response Training	Trained to implement the ICP
Alternate QI	
Position	Base Civil Engineer, 436th Civil Engineer Squadron (CES)
Work Address	Building 639 bay 19, Dover AFB
Emergency Telephone Number	911 302-677-4201 (24-hr, Command Post)
Specific Response Training	Trained to implement the ICP

¹ 40 CFR §112.20(h)(1)(i)

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2 EMERGENCY NOTIFICATIONS LIST²

Upon discovery of an incident, the discoverer evaluates the type of emergency, the immediate impact of the incident, and what initial response actions are necessary. If the incident can be handled with available resources, the initial discoverer will respond to the spill and will immediately notify Fire & Emergency Services (FES) at **911** or 830-298-5110.

Table 1. External Mandatory Notifications

Organization/Person	Phone Number
National Response Center (NRC)	1-800-424-8802
Delaware Department of Natural Resources and Environmental Control (DNREC)	(800) 662-8802
Kent County Local Emergency Planning Committee (LEPC)	(302) 735-3465 (866) 274-0884
Federal On-Scene-Coordinator 24-hour number (Regional Response Center, Philadelphia, PA)	215-814-3225
Delaware State Police (Troop 3)	(302) 697-4454 (302) 739-5901 (Headquarters)
Delaware Emergency Management Agency (DEMA)	(302) 659-3362 (24-Hour) (877) 729-3362

Table 2. Other External Notifications

Organization/Person	Phone Number
Delaware Storage and Pipeline Company (DSPC)	302-736-1774
U.S. Coast Guard Sector Delaware Bay	(215) 271-4940
Kent County Engineering Office	(302) 744-2430
Kent County Wastewater Treatment Plant	(302) 335-6000 (302) 363-4537 (24 hours)
Chemical Transportation Emergency Center (CHEMTREC)	(800) 262-8200

3 SPILL RESPONSE NOTIFICATION FORM³

The IC, with the assistance of CEIE, will maintain a spill incident log detailing actions taken during the course of the spill response. The log will satisfy the written notice requirements of Superfund Amendments and Reauthorization Act (SARA) Title III. Additionally, a *Spill Response Notification Form* must be completed for all spills and provided to CEIE by the next working day after the incident. The *Spill Response Notification Form* is provided in **Appendix B**. A copy of

² 40 CFR §112.20(h)(1)(ii)

³ 40 CFR §112.20(h)(1)(iii)

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the spill incident log will be provided to Bioenvironmental Engineering for incident reporting into the Defense Occupational and Environmental Health Readiness System, as applicable.

4 RESPONSE EQUIPMENT LIST AND LOCATION⁴

SPILL RESPONSE EQUIPMENT AVAILABLE AT DOVER AFB

The tables below provide a typical inventory of emergency response equipment available at Dover AFB.

Skimmers and Pumps

Table 3. Skimmers/Pumps

Type	Model	Quantity	Capacity (gal/min)	Storage Location	EDRC (gal/day)
Surface Water Pump	Not available	1	158 gal/min	BS Environmental, Keymar, MD	45,504 gal/day
Surface Water Pump	Not available	2	30 gal/min	BS Environmental, Keymar, MD	8,640 gal/day
Total EDRC					54,144 gal/day
EDRC (estimated daily recovery capacity) = gpm x 60 min/hour x 24 hour/day x 20% efficiency factor					

Booms

Booms maintained at Dover AFB, used for spills on open water, are summarized in **Table A3-15**. Additional booms would be obtained from the OSROs.

Table 4. Booms

Type	Model	Quantity	Absorbency	Size (Length)	Storage Location
Absorbent Boom	Varies (disposable)	25	24 gallons each (total 600 gallons)	20 feet (8-inch diameter)	Building 922
Containment Boom	Hard Boom	1	See Note	~100 feet	Permanently deployed at Outfall 003
Containment Boom	Plastic Boom	1	See Note	50 feet	Building 922
Absorbent Boom	Varies (disposable)	1	24 gallons	20 feet (8-inch diameter)	Permanently deployed at Outfall 003
Absorbent Boom	Varies (disposable)	1	24 gallons	20 feet (8-inch diameter)	Permanently deployed on flightline
Note: Containment boom is designed to contain, rather than absorb, oil.					

⁴ 40 CFR §112.20(h)(1)(iv)

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Dispersants Listed on EPA's NCP Product Schedule

Dover AFB is not authorized to store and does not maintain dispersants on base.

Dispersant Dispensing Equipment

Dover AFB does not maintain dispersant dispensing equipment.

Absorbent Materials

Absorbent materials are located throughout Dover AFB shops where appropriate. CES and the Fire Department maintain an inventory of spill response materials that can be used when these organizations respond to a spill (typically when a shop supply is insufficient for the volume released).

Typical absorbent materials maintained on-site at Dover AFB by CES WFSM and the Fire Department are shown in the table below.

Table 5. Oil Absorbents

Type	Typical Quantity	Typical Absorption Capacity (gal)	Total Absorption Capacity (gal)	Storage Location
PIG Dark Oil Only Boom (8" x 10')	16	12 gal./boom	192 gal.	Building 922
PIG Oil Only Boom (8" x 10')	9	12 gal./boom	108 gal.	Building 922
PIG Super Absorbent Socks (3.25" x 21')	3 boxes, 48 per box	24 gal./box	72 gal.	Building 922
PIG Original Absorbent Socks (3" x 24")	2 boxes, 36 per box	7.88 gal./box	15.75 gal.	Building 922
PIG Oil Only Lite-Dri Loose Absorbent (22 lbs.)	2 bags	8 gal./bag	16 gal.	Building 922
PIG Peat Absorbent	7 bags	8 gal./bag	56 gal.	Building 922
PIG Oil Only Absorbent Mat Roll (20" x 300')	1 roll	32 gal./roll	32 gal.	Building 922
PIG Blue Absorbent Mat Pads (15" x 19")	2 boxes, 100 per box	24 gal./box	48 gal.	Building 922
Absorbent (PEAT SORB)	11 bags	8 gal./bag	88 gal.	Building 922
Yellow Boom Socks (12")	13 bags	1 gal./sock	13 gal.	Building 922
ULINE Oil Only Absorbent Pads (15" x 19")	20 boxes, 100 per box	28 gal./box	560 gal.	Building 922
Big Oil Pads	8 bags	~30 gal./bag	240 gal.	Building 922
Yellow Pad Absorbents (15" x 19")	15 bags	22 gal./bag	330 gal.	Building 922
Absorbent Blanket (38" x 144')	6 rolls	~32 gal./roll	192 gal.	Building 922

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Type	Typical Quantity	Typical Absorption Capacity (gal)	Total Absorption Capacity (gal)	Storage Location
Large Black Blanket Absorbent	5	Unknown	Unknown	Building 922
PIG Original Absorbent Socks (3" x 24")	4 boxes	8 gal/box	32 gal.	Building 140
PIG Blue Absorbent Mat Pads (15" x 19")	8 boxes, 100 per box	34 gal/box	272 gal.	Building 140
ULINE Oil Only Absorbent Pads (15" x 19")	4 boxes	26 gal/box	104 gal.	Building 140
Dry Sand	1 bucket	NA	NA	Building 140
Lime	1 bucket	NA	NA	Building 140
Absorbent Pillows	2 boxes	~2 gal/pillow	Unknown	Building 140
Operational status and type and year purchased: Oil sorbent materials are in stock and restocked, as needed, when materials are used or expire.				

Hand Tools

Hand tools for spill response are located at Dover AFB in the Fire Department HazMat Trailer. Additional hand tools are located in other facilities on the installation and available for emergency response actions. The table below lists the hand tools available from the Fire Department for overall base response actions.

Table 6. Inventory of Hand Tools

Type	Quantity	Storage Location
Drum Dolly	2	FES Building 140
Flat Head Shovels	2	FES Building 140
Spade Shovels	2	FES Building 140
Brushes and Brooms	6	FES Building 140
Exact date of purchase for hand tools is not tracked. Tools are replaced as needed.		

Communications Equipment

Communications equipment available for use by CES and the Fire Department during emergency response actions at Dover AFB is shown in the table below.

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Table 7. Communications Equipment

Type	Quantity	Storage Location
Handheld Radios (400 MHz)	40	FES Building 140
Notes: Security Forces also maintain a sufficient number of radios for security personnel. Exact date of purchase for communications equipment is not available. Communications equipment is replaced as needed.		

Security Forces have both vehicle and handheld radios that allow instant emergency communications. Additionally, Fire Department monitors the fuel operations net and the local community response net.

During transfer operations, day, or night, the fuel operations crewmembers at each transfer and pumping station have hand-held radios for contact with each other and fuel operations control desk. Fixed stations also have telephone communications as an alternate means.

Personal Protective Equipment and Other Safety Equipment

The table below identifies the personal protective equipment (PPE) and other safety equipment that are located at Dover AFB and available for emergency response actions.

Table 8. Fire Fighting and Personal Protective Equipment

Type of Equipment	Quantity	Storage Location
Protective Clothing		
Chemical Boots, Rubber (Pair)	25 pairs	WFSM Building 922
Face Shield	2	WFSM Building 922
Glasses, Eye	8	WFSM Building 922
Goggles, Eye	6	WFSM Building 922
Latex Disposable Gloves (box)	24 boxes	WFSM Building 922
Nitrile Gloves	34 pairs	WFSM Building 922
DUPONT Coveralls	6 boxes, 12 per box	WFSM Building 922
Chemical Boots	20 pairs	FES Building 140
Goggles	10 pairs	FES Building 140
Latex Disposable Gloves	20 boxes	FES Building 140
Nitrile Gloves	40 pairs	FES Building 140
Coveralls (chemical protective)	20	FES Building 140
Tyvek Level A Suits	40	FES Building 140

EMERGENCY RESPONSE ACTION PLAN DOVER AFB, DELAWARE

Other Equipment

Dover AFB has assorted roads and grounds maintenance equipment that may be used to support an emergency response action. The table below identifies the equipment (e.g., heavy equipment, boats, motors) that is located at Dover AFB and available for emergency response actions.

Table 9. Other Miscellaneous Equipment

Type of Equipment	Quantity	Storage Location
Airfield sweepers	4	Building 922
Backhoes	2	Building 922
Loader	1	Building 922

5 RESPONSE EQUIPMENT TESTING AND DEPLOYMENT⁵

As required by the OPA 1990, Dover AFB will conduct deployment exercises, unless supplemented by actual events, of response equipment on an annual basis. These exercises require that response equipment identified in this Plan be deployed and operated within the intended operating environment. The purpose of the equipment deployment exercise is to make sure that the response equipment identified in this Plan is operable and that personnel responsible for operating the equipment are capable of doing so.

Dover AFB spill response contractor is B.S. Environmental. As part of the annual testing, Dover AFB will request documentation from the OSRO that equipment has been deployed and tested at a simulated or actual spill site. It is not necessary that every piece of equipment identified in the Plan or the OSRO inventory be deployed and operated, as only a representative sample of each type of equipment needs to be included.

At the termination of the equipment deployment and/or testing exercise, documentation will be completed, using the checklists below (also located in **ICP Annex 5**). Keep completed forms and logs for at least 5 years after the date of the exercise.

⁵ 40 CFR §112.20(h)(1)(iv)

EMERGENCY RESPONSE ACTION PLAN
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Qualified Individual Notification Exercise Log				
1. Date performed:		2. Exercise or actual response?		
3. Facility/Pipeline Initiating Exercise:				
4. Exercise Coordinator (name, title, organization):				
5. Name of person notified:				
6. Is this person identified in your response plan as QI or designee?				
7. Time Initiated:		8. Time in which QI or designee responded:		
9. Method used to contact (check all that apply):	Telephone (Land Line)	Telephone (Cell)	Pager	Radio
	Other:			
10. Description of emergency scenario:				
11. Evaluation:				
12. Changes to be implemented (lessons learned):				
13. Timetable for implementation:				
14. Certifying Signature:				
Retain this form for a minimum of 5 years at Dover AFB CES (for USEPA).				

**EMERGENCY RESPONSE ACTION PLAN
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SMT Tabletop Exercise Log			
1. Date performed		2. Exercise or actual response:	
If an exercise, announced or unannounced:			
3. Location of tabletop:			
4. Time started:		5. Time completed:	
6. Emergency scenario used (check one):		Small discharge (100 gallons or less)	
		Medium discharge (>2,100 – 36,000 gallons)	
		Worst case discharge	
7. Size of (simulated) spill (gallons):			
8. Describe the emergency scenario:			
9. Describe how the following objectives were exercised:			
a) Spill management team's knowledge of oil-spill response plan:			
b) Proper notifications:			
c) Communications system:			
d) Spill management team's ability to access contracted oil spill removal organizations:			
e) Spill management team's ability to coordinate spill response with On-Scene Coordinator, state, and applicable agencies:			
f) Spill management team's ability to access sensitive site and resource information in the ACP:			
10. Evaluation:			
11. Changes to be implemented (lessons learned):			
12. Timetable for implementation:			
13. Certifying Signature:			
<i>Attach a description of the lesson(s) learned and person(s) responsible for follow up of corrective measures.</i> Retain this form for a minimum of 5 years at Dover AFB CES (for USEPA).			

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Internal Exercise - Equipment Deployment Exercise Log			
1. Date performed:		2. Exercise or actual response:	
3. If an exercise, announced or unannounced:			
4. Deployment location(s):			
5. Time started:		6. Time completed:	
7. Equipment deployed was:		Facility-owned	
		OSRO-owned (include OSRO name):	
		Both	
8. List type and amount of all equipment (e.g., boom and skimmers) deployed and number of support personnel employed:			
9. Describe goals of the equipment deployment and list any ACP strategies tested. (Attach a sketch of equipment deployments and booming strategies)			
10. For deployment of facility-owned equipment, was the amount of equipment deployed <u>at least</u> the amount necessary to respond to the average most probable spill:			
11. Was the equipment deployed in its intended operating environment?			
12. For deployment of OSRO-owned equipment, was a representative sample (at least 1,000 feet of each boom type and at least one of each skimmer type) deployed?			
13. Was the equipment deployed in its intended operating environment?			
14. Are all facility personnel that are responsible for response operations involved in a comprehensive training program, and all population response equipment involved in a comprehensive maintenance program? If so, describe the program:			
15. Date of last equipment inspection:			
16. Was the equipment deployed by personnel responsible for its deployment in the event of an actual spill?			
17. Was all deployed equipment operational?		Yes	No
If no, why not:			

**EMERGENCY RESPONSE ACTION PLAN
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Internal Exercise - Equipment Deployment Exercise Log	
18. Identify which of the 15 core components of your response plan were exercised during this particular exercise:	
19. Changes to be implemented (lessons learned), including timetable for implementation:	
20. Certifying Signature:	
<i>Attach a description of the lesson(s) learned and person(s) responsible for follow up of corrective measures.</i> Retain this form for a minimum of 5 years at Dover AFB (for USEPA).	

Government-Initiated Unannounced Exercise Log			
1. Date performed:			
2. Time started:		Time completed:	
3. Description of the exercise:			
4. Describe what objectives were met in the exercise:			
5. Changes to be implemented (lessons learned):			
6. Timetable for implementation:			
7. Certifying Signature:			
<i>Attach a description of the lesson(s) learned and person(s) responsible for follow up of corrective measures.</i> Retain this form for a minimum of 5 years at Dover AFB CES (for USEPA).			

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Discharge Prevention Meeting Log	
Date:	Instructor:
Office/Agency:	
Agenda and Subjects/Issues Identified:	
Required Actions and Implementation Dates:	
Attendees:	
Name	Position

**EMERGENCY RESPONSE ACTION PLAN
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Personnel Response Training Log

Name	Position/Title	Response Training Received			Prevention Training Received/Hours/Date		
		Training	Date	Hours	Training	Date	Hours

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Response Equipment Testing and Deployment Drill Log

Date of Last Update: _____

Last Inspection or Response Equipment Test Date	Inspection Frequency	Last Deployment Drill Date	Deployment Frequency	Oil Spill Removal Organization Certification (if applicable)

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Response Equipment Inspection Checklist			
Date:		Inspector:	
Location:			
1. Pumps – Operational Status:			
Type:	Model:	Year:	
Quantity:	Capacity:		
Daily Effective Recovery Rate:			
Accessibility (time to access and respond):			
Actual use/testing (last test date and frequency of testing):			
Shelf life/present age (expected replacement date):			
2. Boom – Operational Status:			
Type:	Model:	Year:	
Quantity:	Size (length in feet):		
Containment Area (square feet):			
Storage Location:			
3. Sorbents – Operational Status:			
Type:		Year Purchased:	
Amount/Quantity:		Absorption Capacity (gallons):	
Storage Location(s):			
4. Hand Tools – Operational Status:			
Type:	Year Purchased	Quantity	Storage Location
5. Communication Equipment – Operational Status:			
Type (include operating frequency and channel and/or cellular phone numbers):	Year Purchased	Quantity	Storage Location

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6. Boats and Motors – Operational Status:			
Type	Year Purchased	Quantity	Storage Location

**EMERGENCY RESPONSE ACTION PLAN
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6 FACILITY RESPONSE TEAM LIST⁶

Table 10. Emergency Notifications List – Key Spill Management Team Members

Team Member	Duty Position and/or Organization	Contact Number
Qualified Individual (QI)	Commander, MSG	911 302-677-4201
Alternate QI	Base Civil Engineer, CES	911 302-677-4201
Incident Commander (IC)	Fire Chief or Senior Fire Official On Duty, CES FES	911 302-677-4401
Initial Response Team (IRT)	CES FES	911 302-677-4401
Emergency Communications Center (ECC)		302-677-4401
Command Post		302-677-4201
Emergency Operations Center (EOC)		302-677-2085
Chief, Environmental Compliance	CES CEIE	302-677-4753 (duty hours) 302-592-9206 (after hours)
Tanks Program Manager	CES CEIE	302-677-6840
Water Program Manager	CES CEIE	302-677-5415
Spill Response Team (SRT)	CES WFSM	302-677-4786
Bioenvironmental Engineering	OMRS/SGXB	302-677-2595 (duty hours) 302-363-9155 (after hours emergencies)
Fuels	Fuels Management Flight (LGRF)	302-677-6729
Security, Traffic Control	Security Forces Squadron (SFS)	911 302-677-6664
Safety	Occupational Safety Office	302-677-3369
Contracting Manager (for off-base resources)	Contracting (CONS)	302-677-5204
	U.S. Air Force, HQ, AMC	618-265-1110
Weather	Weather Flight	302-677-4175
Emergency Medical Services	Bayhealth Medical Center — Kent Campus	302-674-4700
	Bayhealth Medical Center — Milford Campus	302-422-3311
Oil-Spill Response Organization (OSRO)	B.S. Environmental	410-549-5409

⁶ 40 CFR §112.20(h)(1)(v)

EMERGENCY RESPONSE ACTION PLAN

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7 EVACUATION PLAN⁷

7.1 General

When required, the evacuation plan will be implemented IAW the Dover AFB Installation Emergency Management Plan (IEMP) 10-2 and generally as described below. All evacuation decisions are determined during the emergency.

For spills and releases, the FES Senior Fire Official or Fire Chief is the responsible person ordering an evacuation of the immediate and surrounding areas. If evacuations become necessary, the Fire Chief will contact the installation's EOC and issue an evacuation order or shelter-in-place order by either email and/or through the use of the installation-wide public address system ("Giant Voice").⁸

Security Forces will assist in the evacuation of threatened areas and will direct traffic to specific safe evacuation regrouping areas. Security Forces will deploy barricades where necessary. Portable barricades and police vehicles can both be used to redirect traffic.

7.2 Prevailing Wind Directions and Speed

During the winter months, the prevailing winds are primarily from the northwest where outbreaks of cold, dry air from the north alternate with warmer moist air from the south. During the warmer months, the prevailing winds are from the southwest, giving warm, moist air over Delaware most of the time with associated air mass thunderstorms. The wind speed averages 8 to 13 miles per hour.

7.3 Water Currents, Tides, and Wave Conditions

Pipe Elm Branch, Little River and St. Jones River are influenced by tides and seasonal rainfall. Pipe Elm Branch, Little River and St. Jones River are located within the 100-year flood plain. Moderate wave action is expected along Little River and into Pipe Elm Branch, and along the St. Jones River.

Flood stages established by the National Oceanic and Atmospheric Administration (NOAA) for the St. Jones River are shown in the table below. Flood stages and descriptions were not available for Pipe Elm Branch or Little River.

⁷ 40 CFR §112.20(h)(1)(vi)

⁸ 40 CFR Part 112 Appendix F 1.3.5.1

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Table 11. St. Jones River Flood Stages

Flood Category	Height at Silver Lake Recreation Area Station (ft)	Description of Potential Effects
Major Flood Stage	10.5	Severe flooding will cause extensive inundation and flooding of numerous roads and buildings resulting in a significant threat to property and life. Water will be 2 to 3 feet or more above ground level in some areas. Severe flooding will extend inland from the waterfront and shoreline flooding homes, businesses and isolating some neighborhoods. Numerous roads will be impassable under several feet of water and cars submerged. Some areas will need to be evacuated.
Moderate Flood Stage	8.5	Widespread flooding of vulnerable areas will result in an elevated threat of property damage to homes and businesses near the waterfront and shoreline. Water will be 1 to 2 feet above ground level in some areas resulting in a sufficient depth to close numerous roads and threaten homes and businesses. Flooding will extend inland from the waterfront along tidal rivers and bays resulting in some road closures and flooding of vehicles
Flood Stage	6.5	Shallow flooding is expected in the most vulnerable locations near the waterfront and shoreline resulting in a low threat of property damage. Expect up to one foot of water above ground level in low lying, vulnerable areas. Some roads and low-lying property including parking lots, parks and lawns near the waterfront will experience shallow flooding.
Action Stage	5.5	<No description>
Low Stage	-1	<No description>

7.4 Evacuation Routes and Sites

Evacuation operations will be coordinated by the EOC and conducted by Security Forces IAW the IEMP 10-2. FES will determine initial cordon size from which the Security Forces will evacuate non-essential personnel and control entry. Evacuation will proceed out of the danger area based upon prevalent weather conditions, wind speed, and direction, the location of the incident, and accessible routes out of the affected area. Evacuation will continue along major roads to the nearest gate from the base (North Gate, Main Gate, or South Gate). The gate on the east side of the base (near the Hot Cargo facility) may be opened by Security Forces, if necessary. Evacuation routes and ingress routes for emergency vehicles are presented on **Figure 3**.

Alternative evacuation routes will be established based upon the same considerations as the primary routes. The EOC, with recommendation from the IC, will make the final determination as to what evacuation routes will be used.

Security Forces will assist in the evacuation of threatened areas and will direct traffic to specific safe evacuation routes and regrouping areas.

Evacuation routes are as follows:

- POL Yard– Personnel will exit the POL Yard through either the flightline gate or the gate on Orly Street to the designated regrouping area.

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- Hot Cargo Facility – Personnel will exit the facility via the main facility gate and proceed to the designated regrouping area

Injured personnel will be triaged by FES or MDG personnel and, if needed, will be transported by ambulance to the appropriate medical facility.

7.5 Evacuation Regrouping Areas

The locations of the evacuation regrouping areas are:

- The Base Exchange and/or Base Exchange parking lot (Building 268, Galaxy Street),
- The Commissary and/or Commissary parking lot (Building 266, Galaxy Street),
- Patterson Dining Facility (Building 403, Evreux Street),
- Dover AFB Gymnasium (Building 423, Chevron Avenue)
- Dover AFB Park (Reno Road, near Family Camp), or
- Air Force Inns and/or parking lot (Buildings 800 and 801, Lebanon Road in Base Housing)

Personnel accountability checks will be performed by supervisors at the designated evacuation regrouping areas.

7.6 Mitigation Command Center Location

The EOC primary and alternate locations are at Building 639 bay 19 and Building 203, respectively.

7.7 Shelters

Facilities on the installation with sufficient space to provide temporary shelter or housing are available, if needed. The following locations may serve as shelters:

- Dover AFB Gym (Building 423)
- Patterson Dining Facility (Building 403)
- Air Force Inns (Buildings 800 and 801 in Base Housing)
- Aerial Port (Building 550)
- Airlift Squadron (Building 206)
- Self Help Center (Building 639)
- Command Post (Building 203)
- Civil Engineering (Building 600)
- Equipment Maintenance (Building 714)

7.8 Actions by Fuel System Operators

During the evacuation, fuel operations personnel will shut off the master power switch for the fuel facility and coordinate with FES before departure. It is likely that a designated fuel operations individual would remain on site with FES and their emergency vehicles to ensure that information on the fuel facility status is readily available and that the type of emergency and risks involved are understood by the responding units. In evacuation efforts, the fuel facility main gate will be left open for access by supplementary firefighting and emergency support units. Security Forces will remain nearby to control access to the vacated facility.

7.9 Individual Evacuation

Installation personnel have been given supervisory authority to evacuate an area when in the personnel's judgment, a dangerous situation has developed at their facility. They will make reasonable efforts to communicate the danger to other personnel by whatever means are available and then depart the area immediately to a nearby safe area.

7.10 Community Evacuation Plans

Evacuation of the local community would be conducted by the Kent County Division of Emergency Management and/or Dover Emergency Management Office. Some assistance from Dover AFB Security Forces and FES personnel would likely be provided for evacuation of communities closest to the installation or in most immediate danger.

8 IMMEDIATE ACTIONS⁹

8.1 Discovery

Discovery of a spill, discharge, release, etc. (hereafter referred to as "spill") involves identification that a spill has occurred. Spills must be reported to FES immediately, regardless of the quantity discharged, the location, or media affected. The discovery of a spill will most likely be reported by the discoverer using a telephone or cell phone or by the Security Forces using a dedicated radio channel to contact FES. Assessing the scope of the problem will consist of the evaluation of a combination of elements.

The procedures below will be followed in case of an oil (including fuel) spill at the installation. These steps are applicable if a reportable quantity of oil is spilled on land, storm drain, catch basin, or has reached a surface water.

The person discovering a release or spill will take the following steps:¹⁰

1. Stop the product flow.

Act quickly to secure pumps, valves, etc., *if safe to do so*. Stop transfers.

2. Warn personnel.

Sound alarms. Enforce safety, evacuation, and security measures.

3. Shutoff ignition sources.

Motors, electrical circuits, open flames, hot work, etc.

4. Initiate containment.

Place oil absorbent materials around the leaking container and/or an oil containment boom in the water. Block drains.

5. Make notifications.

Contact:

- FES (911) or (302-677-4401)

⁹ 40 CFR §112.20(h)(1)(vii)

¹⁰ 40 CFR Part 112 Appendix F 1.7.1.2A

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- CEIE (302-677-4753)

CEIE will notify other regulatory agencies, as appropriate.

6. Begin clean up.

Begin clean up of spill and response materials if within capabilities *and safe to do so*. (See responsible unit actions.)

8.2 Response Resources for Small, Medium, and Worst Case Discharges

The QI and IC will identify whether sufficient local resources are available to control the spill. The QI and IC have the flexibility to select the resources necessary to properly respond to an incident and what course of action to follow.

The QI and IC will decide, based on available information, if it is necessary to contact the contracted OSRO to respond to the release. Due to the sensitive environments potentially affected by a major release at Dover AFB, this notification will be completed early in the response process.

A list of spill response equipment available at Dover AFB is presented in **ERAP Section 4**. If additional spill response resources are required, the QI or IC will designate an individual to perform notifications for mobilization. The specific resources to be mobilized are left to the discretion of the QI and IC.

Dover AFB's OSRO consists of a contracted spill response contractor and access to the U.S. Navy Supervisor of Salvage (SUPLSALV). These organizations, along with the DNREC Emergency Response Branch and its resources, will fulfill cleanup requirements.

If a spill occurs on land or is confined to a secondary containment area, the QI or IC will mobilize cleanup resources through the SMT, with support from FES. Equipment and supplies maintained on Dover AFB will be used for this category of spills. If outside resources are required, the QI and IC will request additional support from the OSRO who can deploy vacuum trucks, additional cleanup crews, and supplies to the spill site.

For spills that reach surface water, Dover AFB has boom stocks and personnel trained to deploy the boom within 1 hour of spill notification. The installation maintains at least 500 feet of boom at Building 922 and has equipment at FES and CEOIU capable of deploying the boom. Pipe Elm Branch, Little River, and St. Jones River are relatively narrow, and boats are not necessary to deploy the boom. One 20-foot absorbent boom is permanently deployed on the west side of the flightline and extends across a ditch that also discharges to Outfall 003. An additional 20-foot absorbent boom and an approximate 100-foot containment boom are permanently deployed at Outfall 003 and extend across Pipe Elm Branch. The OSRO is capable of deploying an additional 1,000 feet of boom within 1 hour of notification. The OSRO will also be contacted if additional deployment vessels are required.

8.3 Training, Exercises, and Drills

Training for Dover AFB spill personnel is functional in nature and is tailored to personnel depending on their organization and responsibilities. Refer to ICP Annex 5 for an extensive description of personnel training.

Dover AFB will implement a program of facility response drills and exercises, including evaluation procedures following the *National Preparedness for Response Exercise Program*

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(PREP) Guidelines. The *PREP Guidelines* specify that internal and external drills and exercises be conducted. Descriptions of the spill response exercises and drills can be found in the *PREP Guidelines* and also in ICP Annex 5. An annual spill response tabletop exercise and field exercise is hosted by the Defense Logistics Agency and the performance of exercise personnel is evaluated by Dover AFB Inspector General (IG) office.

9 DIAGRAMS¹¹

Facility Diagrams are included as follows:

- Figure 1 Site Plan Diagram
- Figure 2 Site Drainage Plan Diagram
- Figure 3 Site Evacuation Plan

¹¹ 40 CFR §112.20(h)(1)(viii)

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Figure 1. Site Plan Diagram

(Insert large map here)

**EMERGENCY RESPONSE ACTION PLAN
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Figure 2. Site Drainage Plan Diagram

(Insert large map here)

**EMERGENCY RESPONSE ACTION PLAN
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Figure 3. Site Evacuation Plan Diagram

(Insert large map here)

ERAP ATTACHMENT 1
SPILL NOTIFICATION FORM

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Dover AFB Spill Notification Form

This form must be completed and submitted to CES Environmental (CES/CEIE) for any spills of hazardous materials, unknown chemicals, or oils (including fuel). Persons failing to report spills may be held criminally and/or civilly liable under federal and state law.

Reporter Information

Name (Last, First, Middle): _____ Phone: _____

Position: _____ Office Symbol or Company: _____

Address: _____

Spill Details

Location of spill: _____

Date (MM/DD/YYYY): _____ Time (military): _____

Substance(s) spilled: ☐ Gasoline ☐ Diesel ☐ Jet A ☐ Oil/POL ☐ Other: _____

Cause of spill: ☐ Operator Error ☐ Act of Nature ☐ Equipment Failure ☐ 3rd Party ☐ Other: _____

Spill surface: ☐ Soil ☐ Concrete ☐ Asphalt ☐ Storm Drain ☐ Sewer
☐ Waterway*: _____

*Discharge to a waterway such as ditch, creek, river, or lake: MUST contact CEIE *immediately* at 302-677-4753 (duty hours) or 302-592-9206 (after hours).

Amount Spilled (est.): _____ gallons	Amount entered waterway (est.): _____ gallons
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Number of injuries: _____	Number of deaths: _____	Number evacuated: _____
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Description of spill: _____

Detailed description of clean-up actions: _____

Preventive actions taken: _____

Notification (to be completed by CEIE only)

NRC notified? ☐ Yes ☐ No Date: _____ Time: _____
800-424-8802 Report Number: _____ By: _____

DNREC Notified? ☐ Yes ☐ No Date: _____ Time: _____
800-662-8802 Report Number: _____ By: _____

Reviewed by Spill Manager: _____ Date: _____

CEIE Chief: _____ Date: _____ Copy to Commander (Responsible Organization)

Email completed form to: jason.beck.8@us.af.mil Commander Name: _____

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