

## SCOPE & DEFINITIONS

This chapter contains criteria to plan for, prevent, control, and report spills of petroleum, oils, and lubricants (POL) and hazardous substances. It is DoD policy to prevent spills of these substances due to DoD activities and to provide for prompt, coordinated response to contain and clean up spills that might occur. Remediation beyond that required for the initial response is conducted pursuant to DoDI 4715.8 (Environmental Remediation for DoD Activities Overseas).

**Hazardous Substance** – Any substance having the potential to do serious harm to human health or the environment if spilled or released in reportable quantity. A list of these substances and the corresponding reportable quantities is contained in Appendix A. The term does not include:

- Petroleum (including crude POL or any fraction thereof) which is not otherwise specifically listed or designated as a hazardous substance above
- Natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)

**Facility Incident Commander (FIC)** (previously known as the Installation on-scene coordinator) – The official who coordinates and directs DoD control and cleanup efforts at the scene of a POL or hazardous substance spill due to DoD activities on or near the installation. This official is designated by the installation commander.

**Facility Response Team (FRT)** (previously known as the Installation response team) – A team performing emergency functions as defined and directed by the FIC.

**Oil** – POL of any kind or in any form, including, but not limited to, petroleum, fuel POL, sludge, POL refuse, and POL mixed with wastes other than dredged spoil.

**POL** – Refined petroleum, oils, and lubricants.

**Significant Spill** – An uncontained release to the land or water in excess of any of the following quantities:

- For a hazardous waste or hazardous substance identified as a result of inclusion in Appendix A, any quantity in excess of the reportable quantity listed in Appendix A.
- For POL or liquid or semi-liquid hazardous material, hazardous waste, or hazardous substance, in excess of 400 liters (110 gallons)
- For other solid hazardous material, in excess of 225 kg (500 pounds)
- For combinations of POL and liquid, semi-liquid, and solid hazardous materials, hazardous waste, or hazardous substance, in excess of 340 kg (750 pounds)

- If a spill is contained inside an impervious berm, or on a nonporous surface, or inside a building and is not volatilized and is cleaned up, the spill is considered a contained release and is not considered a significant spill.

**Worst Case Discharge** – The largest foreseeable discharge from the facility, under adverse weather conditions, as determined using as a guide the worst case discharge planning volume criteria at Appendix C.

## CRITERIA

### C18.1 SPILL RESPONSE

Installations will initiate response actions in accordance with their installation Spill Prevention and Response Plan.

C18.1.1 Immediate actions will be taken to eliminate the source of and contain the spill.

C18.1.2 Any significant spill will be reported to the FIC immediately.

### C18.2 PLAN REQUIREMENT

All DoD installations will prepare, maintain, and implement a Spill Prevention and Response Plan that provides for the prevention, control, and reporting of POL and hazardous substances spills. The plan will provide measures to prevent and, to the maximum extent practicable, to remove a worst case discharge from the facility. The plan will be updated at least every 5 years or when there are significant changes to operations or facilities. The plan should be kept in a location easily accessible to the FIC and FRT.

The plan will consist of:

C18.2.1 Prevention Section. The prevention section of the plan will, at a minimum, contain the following:

C18.2.1.1 Name, title, responsibilities, duties, and 24-hour telephone number of the designated FIC and an alternate.

C18.2.1.2 General information on the installation including name, type or function, location and address, charts of drainage patterns, designated water protection areas, maps showing locations of facilities described in C18.2.1.3, critical water resources, land uses, and possible migration pathways.

C18.2.1.3 An inventory of storage, handling, and transfer sites that could possibly produce a significant spill. For each listing, using maps as appropriate include

- a prediction of the direction and rate of flow, and total quantity of POL or hazardous substance that might be spilled as a result of a major failure.
- C18.2.1.4 An inventory of all POL and hazardous substances at storage, handling, and transfer facilities described in C18.2.1.3.
- C18.2.1.5 Arrangements for Emergency Services. The plan will describe arrangements with installation and/or local police departments, fire departments, hospitals, contractors, and emergency response teams to coordinate emergency services for both on- and off-installation spills.
- C18.2.1.6 Means to Contact Emergency Services. The plan will include a telephone number or other means to contact the appropriate emergency services provider (e.g., base fire department) on a 24-hour basis.
- C18.2.1.7 A detailed description of the facility's prevention, control, and countermeasures (including structures and equipment for diversion and containment of spills) for each site listed in the inventory. Measures should permit, as far as practical, reclamation of spilled substances. Chapters governing hazardous materials, hazardous waste, POL (for example, above-ground storage tanks), underground storage tanks, pesticides, and PCBs provide specific criteria for containment structure requirements.
- C18.2.1.8 A list of all emergency equipment (including, but not limited to, fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), personal protective equipment [PPE], and decontamination equipment) at each site listed in the inventory where this equipment is required. This list will be kept up-to-date. In addition, the plan will include the location and a physical description of each item on the list, and a brief outline of its capabilities.
- C18.2.1.9 An evacuation plan for each site listed in the inventory, where there is a possibility that evacuation would be necessary. This plan will describe signal(s) to be used to begin evacuation, evacuation routes, alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires), and a designated meeting place.
- C18.2.1.10 A description of deficiencies in spill prevention and control measures at each site listed in the inventory, to include corrective measures required, procedures to be followed to correct listed deficiencies, and any interim control measures in place. Corrective actions must be implemented within 24 months of the date of plan preparation or revision.

C18.2.1.11 Written procedures for:

- Operations to preclude spills of POL and hazardous substances
- Inspections
- Record-keeping requirements

C18.2.1.12 Site-specific procedures should be maintained at each site on the facility where significant spills could occur.

C18.2.1.13 DoD installations with regular off-installation hazardous substance transport activities will identify those transport routes and associated spill scenarios in their installation Spill Prevention and Response Plan. The installation will provide the off-installation transport route information to the Spanish Base Commander, who may transmit the information to the competent Spanish authorities for the development of the Spanish Transportation Flow Maps and Regional and National Civil Protection Plans.

C18.2.2 Spill Control Section. The control section of the plan (which may be considered a contingency plan) will identify resources for cleaning up spills at installations and activities, and to provide assistance to other agencies when requested. At a minimum, this section will contain:

C18.2.2.1 Provisions specifying the responsibilities, duties, procedures, and resources to be used to contain and clean up spills.

C18.2.2.2 A description of immediate response actions that should be taken when a spill is first discovered.

C18.2.2.3 The responsibilities, composition, and training requirements of the FRT.

C18.2.2.4 Procedures for FRT alert and response to include provisions for:

- Access to a reliable communications system for timely notification of a POL spill or hazardous substance spill
- Public affairs involvement

C18.2.2.5 A current roster of the persons (and alternates) who must receive notice of a POL or hazardous substance spill, including a DESC representative if applicable. The roster will include name, organization mailing address, and work and home telephone numbers. Without compromising security, the plan will include provisions for the notification of the emergency coordinator after normal working hours.

C18.2.2.6 The plan will provide for the notification of the FIC, installation commander, and local authorities in the event of hazard to human health or environment.

- C18.2.2.7 Assignment of responsibilities for making the necessary notifications, including notification to the emergency services providers.
  - C18.2.2.8 Surveillance procedures for early detection of POL and hazardous substance spills.
  - C18.2.2.9 A prioritized list of various critical water and natural resources that will be protected in the event of a spill.
  - C18.2.2.10 Other resources addressed in prearranged agreements that are available to the installation to clean up or reclaim a large spill due to DoD activities, if such a spill exceeds the response capability of the installation.
  - C18.2.2.11 Cleanup methods, including procedures and techniques used to identify, contain, disperse, reclaim, and remove POL and hazardous substances used in bulk quantity on the installation.
  - C18.2.2.12 Procedures for the proper reuse and disposal of recovered substances, contaminated POL, decontamination wastes, and absorbent materials, and procedures to be accomplished prior to resumption of operations.
  - C18.2.2.13 A description of general health, safety, and fire prevention precautions for spill cleanup actions.
  - C18.2.2.14 A public affairs section that describes the procedures, responsibilities, and methods for releasing information in the event of a spill.
- C18.2.3 Reporting Section. The reporting section of the plan will address the following:
- C18.2.3.1 Record-keeping when emergency procedures are invoked.
  - C18.2.3.2 Notification of spill responders when emergency procedures are invoked.
  - C18.2.3.3 The FIC will immediately notify the appropriate In-Theater Component Commander and/or Defense Agency and the Executive Agent and submit a follow-up written report when:
    - C18.2.3.3.1 The spill occurs inside a DoD installation and cannot be contained within any required berm or secondary containment
    - C18.2.3.3.2 The FIC determines the spill meets the definition of “significant”. A “significant spill” (as defined in this chapter) is an uncontained release to the land or water in excess of any of the following quantities:

- For a dangerous waste or hazardous substance identified as a result of inclusion in Appendix A, any quantity in excess of the reportable quantity listed in Appendix A.
- For POL or liquid or semi-liquid hazardous material, hazardous substance, or dangerous waste, in excess of 400 liters (110 gallons)
- For other solid hazardous material, in excess of 225 kg (500 pounds)
- For combinations of POL and liquid, semi-liquid, and solid hazardous materials, hazardous substances, or dangerous wastes, in excess of 340 kg (750 pounds)

Note: If a spill is contained (inside an impervious berm, or on a nonporous surface, or inside a building), is not volatilized, and is cleaned up, the spill is not considered a significant spill.

C18.2.3.3.3 A water resource has been polluted

C18.2.3.3.4 The FIC has determined that the spill is significant

C18.2.3.4 When a significant spill occurs inside a DoD installation and cannot be contained within the installation boundaries or threatens the local Spanish drinking water resource, the appropriate In-Theater Component Commander and/or Defense Agency, Executive Agent, and Spanish Base Commander will be notified immediately.

C18.2.3.5 If a significant spill occurs outside of a DoD installation, the person in charge at the scene will immediately notify the authorities listed in C18.2.3.4, and additionally will notify the Operative Coordination Center (Centro de Coordinación Operativa) of Andalusia and obtain necessary emergency assistance.

The following information will be provided to the Operative Coordination Center of Andalusia and the authorities listed in C18.2.3.4:

- Date, time, and location (road number, municipality, and province) of the event
- Type of transport vehicle and name of transporter (i.e., the DoD installation)
- Type of accident or spill
- Information on the spilled material (material name, code, danger code, danger label)
- Atmospheric conditions (e.g., rain, snow, ice, wind, etc.)
- Consequences of the accident (e.g., spill/leak, fire, explosion, etc. and affected media [e.g., soil, air, surface water, etc.]
- Human impacts, if any (e.g., injuries to the driver, other transporters, or bystanders)

- Emergency response actions, including any need to transport the spilled material to another transport vehicle
- Additional data (e.g., duration of any road detours, etc.)

### C18.3 TRAINING

Installations will provide and document necessary training and spill response drills to ensure the effectiveness of personnel and equipment. The training should include the following elements:

- Use of personal protective equipment
- Decontamination procedures, as necessary
- Hazard communication training
- FIC Notification Exercise
- Emergency Procedures Exercise
- Spill Management Team Tabletop Exercise
- Equipment Deployment Exercise

### C18.4 FURTHER ACTIONS

After completion of the initial response, any remaining free product and/or obviously contaminated soil will be appropriately removed and managed. Further action will be governed by DoDI 4715.8 (Environmental Remediation for DoD Activities Overseas) and EUCOM Directive 80-2 (Environmental Executive Agent Remediation Policy). If further action is necessary, the installation shall consult with the Environmental Executive Agent via the Component chain of command and, in coordination with the Spanish Base Commander, shall seek to engage the competent Spanish authorities in a dialogue to determine the appropriate cleanup response.

## ADMINISTRATIVE ITEMS

1. Installations with regular off-installation hazardous material transport activities will provide the off-installation transport route information to the Spanish Base Commander. The Spanish Base Commander may transmit the information to the competent Spanish authorities for the development of the Spanish Transportation Flow Maps and Regional and National Civil Protection Plans.

2. In the event of an off-installation spill, installations will provide the following information to the Spanish Base Commander and the Operative Coordination Center (Centro de Coordinación Operativa) of Andalusia:

- Date, time, and location (road number, municipality, and province) of the event
- Type of transport vehicle and name of transporter (i.e., the DoD installation)

- Type of accident or spill
- Information on the spilled material (material name, code, danger code, danger label)
- Atmospheric conditions (e.g., rain, snow, ice, wind, etc.)
- Consequences of the accident (e.g., spill/leak, fire, explosion, etc. and affected media [e.g., soil, air, surface water, etc.]
- Human impacts, if any (e.g., injuries to the driver, other transporters, or bystanders)
- Emergency response actions, including any need to transport the spilled material to another transport vehicle
- Additional data (e.g., duration of any road detours, etc.)

3. If further action is required per C18.4, installations will (after consultation with the Environmental Executive Agent via the Component chain of command) notify the Spanish Base Commander of the anticipated remedial action and, in coordination with the Spanish Base Commander, will seek to engage the competent Spanish authorities in a dialogue to determine the appropriate cleanup response.