



USAG-HI Spill Prevention, Control and Countermeasures (SPCC) Plan

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Our mission is to provide sustainable installation support and services for Soldiers, Families, and the military community that meets current and future mission requirements, promotes community well-being and enhances the natural environment



USAG-HI SPCC Plan



AGENDA

- SPCC Plan Overview
- Spill Prevention
 - Secondary Containment
 - Drum Storage
 - Filling/Handling
 - Mobile Refuelers
- Spill Response
- Fueling Operations Request



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SPCC PLAN OVERVIEW

- USAG-HI required to prepare a SPCC Plan based on quantity of stored petroleum products (Reference: 40 CFR 112 and AR 200-1)
- SPCC Plan (2009) includes the following:
 - Locations and activities that have potential to discharge petroleum, oil and lubricants (POL) to the environment
 - General spill prevention program and guidelines
 - Spill response procedures



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SPILL PREVENTION

- Unit Environmental Compliance Officer (ECO) responsible for ensuring assigned personnel are familiar with SPCC Plan
- Submit job requests to DPW for repair of permanent containment structures and POL storage facilities (656-6741)
- Ensure secondary containment and spill provisions are maintained at facilities
 - Drip pans under tactical vehicles and tank filling connection points





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SECONDARY CONTAINMENT

- Secondary containment for mobile refuelers/fuel pods shall be capable of containing 110% of storage tank capacity
- Trained personnel shall drain accumulated rainwater from secondary containment only after inspecting and removing any oily sheen and complete “Secondary Containment Drainage Log” (ECO Binder). **ONLY RAINWATER SHALL BE RELEASED INTO THE ENVIRONMENT**
- Empty fuel cans can be returned to motor pool complex, filled cans shall be stored in secure, marked storage point on secondary containment



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DRUM STORAGE

- Drums should be properly labeled and in good condition
- Regularly inspect drums/storage containers for leaks, damage and corrosion
 - ECO shall inspect drum storage areas at least monthly
- Store POL on secondary containment (capable of containing 100% of the largest container or 10% of the combined containers, whichever is larger)
- Store POL in secure area



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FILLING/HANDLING

- Only trained personnel are authorized to handle POL
- When single or multiple transfers of POL (> 55 gallons), block all down gradient storm sewer inlets/drains within a 50' radius prior to fuel transfer and remove prior to rain and after operation complete
- During tank filling:
 - Inspect truck compartment(s) and hose(s) for leaks
 - Close secondary containment valve
 - Place drip pans under connection points
 - Place wheel chocks
 - Observe by trained personnel





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MOBILE REFUELERS

- When in garrison and not in active use, store empty
 - HEMTTs considered empty with less than 300 gallons
- Drivers and operators required to have Fuel Handlers Certification
- Fuel operations requests for fueling shall be submitted to SPCC Program Manager for approval
 - Complete and submit memorandum, mobile fuel operations spill response prevention and response plan with checklist and site map (template available on ECO website)



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MOBILE REFUELERS

- Secondary containment requirements
- Compatible with material it will contain
 - Impervious cover placed inside soil berm
 - Collapsible containment berm
 - Secondary containment unit made of metal





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SPILL RESPONSE

- Minor spill (25 gallons or less)
 - Contain spill
 - Report to DPW (656-1111)
 - Notify ECO
 - Clean up
 - Submit spill report (fax 656-1039)
 - Provide name, location of spill, substance (if known), amount, source, surface on which spill occurred, cause, action to stop/control





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SPILL RESPONSE

- Major spill (>25 gallons or and/or potential to enter navigable water)
 - Evacuate non-essential personnel
 - Call Fire Department, Military Police
 - Report to DPW (656-1111)
 - Major spill entering navigable waters must be reported to the National Response Center (800-424-8802)
 - Notify ECO
 - Remove potential ignition sources
 - Stop flow and contain if safe
 - Submit spill report (fax 656-1039)



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SPILL RESPONSE

- Minor spill cleaned up by personnel who caused spill with oversight of DPW-Environmental Division
 - Spill coordinator is typically ECO
- Major spill cleaned up by the Installation Response Team (DPW-Environmental Division)
- Clean up shall be accomplished in a timely manner
- Used spill response material can be picked up by contacting DPW-Environmental Division (479-4367)
- Tenants responsible for fines levied by regulatory agencies

SPILL RESPONSE

- Dry absorbent shall be used to remove POL from surfaces, **NO PRESSURE WASHING ALLOWED**
- Spill response supplies include:
 - Granular absorbent (dry sweep)
 - Absorbent pillows, pads, socks, rags and booms
 - Drip pans
 - Straight-edge, non-sparking shovel
 - Brooms
 - Salvage drums





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FUEL OPERATIONS REQUEST

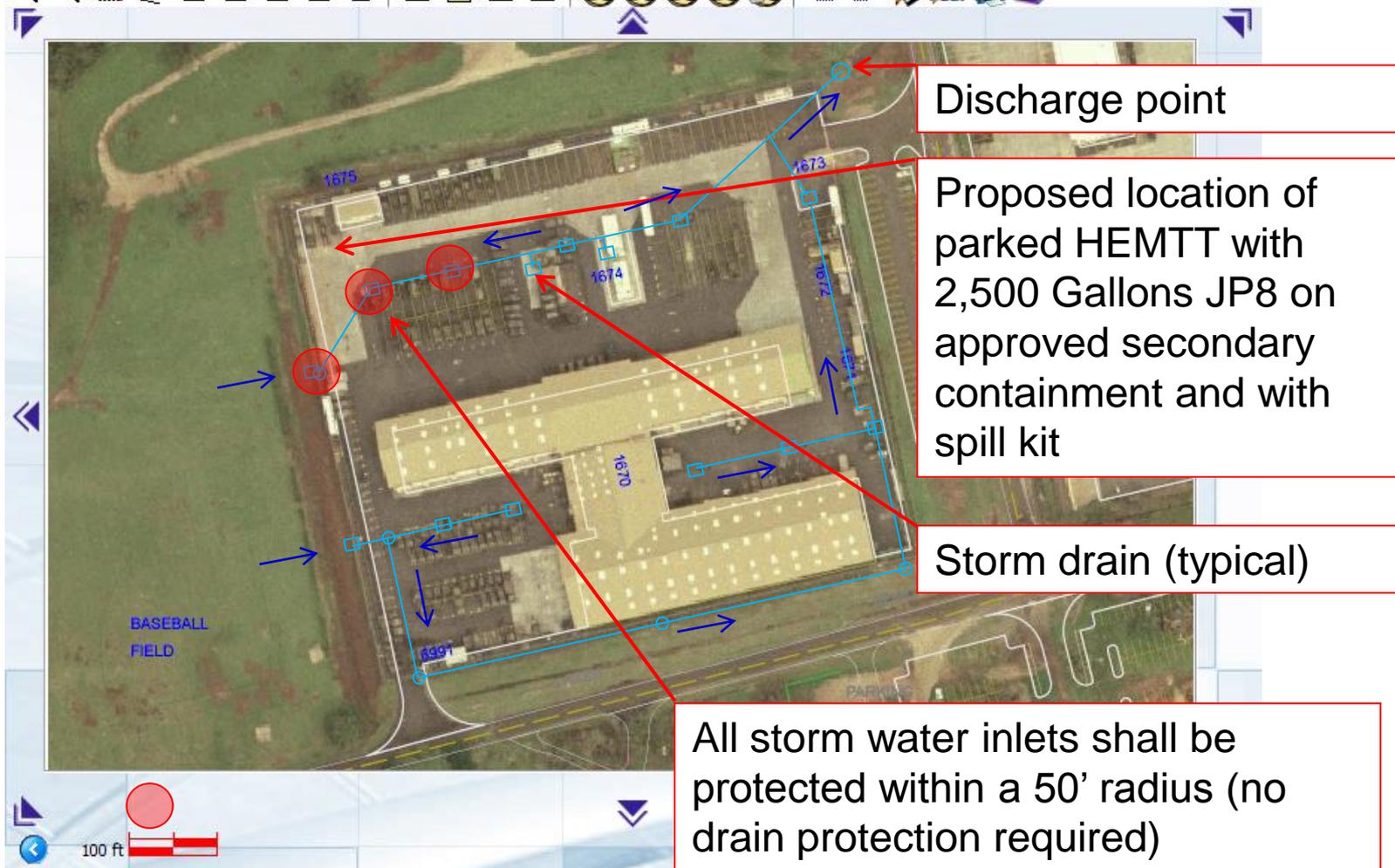
- Fuel operations requests for fueling shall be submitted to SPCC Program Manager for approval
 - Complete and submit memorandum, mobile fuel operations spill response prevention and response plan with checklist and site map (template available on ECO website) or at:
<http://www.garrison.hawaii.army.mil/sustainability/SpillPreventionResponse.aspx>



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SAMPLE MAP





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CHECKLIST

Mobile Fuel Operations Spill Prevention and Response Plan Checklist

	Yes	No	N/A
Above ground Storage Tanks and POL Containers:			
1. Has all ASTs, including their associated fittings, piping, transfer lines and valves inspected for corrosion, damage, overfill protection and tested to ensure they are functioning properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. If fuel is being dispensed is a secondary containment system in place?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is the secondary containment valve in the closed position to ensure no leakage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the second containment capable of containing the entire contents of the largest container or 10% of the total volume of all containers, whichever is greater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mobile Refuelers and Transportable Fuel Storage Tanks/Bladders:			
5. Is the secondary containment system in place?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the secondary containment system able to hold 110% of the storage capacity of the tank?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
During Transfer/filling Operations POL:			
7. Are all loading/unloading connections securely capped or blank-flanged when not in service or when in standby service for an extended time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Have all loading/unloading vehicles been inspected prior to filling and departure in prevent discharges while in transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. If transferring more than 55 gallons of POL, are all down gradient storm or drainage openings within a 50-foot radius blocked before beginning transfer operations? Drains and openings may be blocked by attaching a cover or dikes of absorbent booms.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Are adequate supplies of absorbent materials such as socks, pillows, booms and pads readily available before beginning POL transfer operations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Has tank truck compartments and hoses been inspected to ensure no potential for leaks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Is the tank secondary containment valve in the closed position?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Are drip pans placed under connection points and other points where leakage can occur?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Have wheel chocks or other system been put in place to prevent trucks from moving prior to disconnection of transfer line?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Is the entire tank filling operation being observed by a trained employee?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

General Spill Prevention

16. Are drip pans available for spills caused by overfill?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Are drip pans emptied on a daily basis?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Are drip pans containing used fuel (non-regulated diesel waste) emptied into the proper used fuel container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Are drip pans containing used fuel (non-regulated mogas waste) emptied into the proper used fuel container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Are containers of the new dry sweep or dry absorbent peat available for the clean-up of spills or leak?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Are containers holding new dry sweep or dry absorbent peat marked "NEW DRY SWEEP?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Are new dry sweep/absorbent peat containers covered when not in use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Are containers of used dry sweep or dry absorbent peat available for the clean-up of spills or leaks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Are containers holding used dry sweep or dry absorbent peat marked "USED DRY SWEEP?"	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Are used dry sweep/absorbent peat containers covered when not in use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. Are all personnel aware of the proper procedure for disposing of contaminated (EPA listed or RCRA characteristic) dry sweep?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. Are all personnel aware of the proper procedure for disposing of non-regulated waste contaminated dry sweep?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Do spill kits contain the following items, compatible with the wastes stored in the facility (Quantities listed in parenthesis are minimums.)

28. a. Granular absorbent in new dry-sweep container with lid (50 lbs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29. b. Straight edge, non-sparking shovel or dustpan (1 ea)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30. c. Broom (1 ea)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. d. Used dry sweep container with lid (1 ea)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. e. Rubber gloves (2 pair)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33. f. Rubber boots (2 pair)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:



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END OF BRIEF

INSTALLATION MANAGEMENT COMMAND



“Sustain, Support and Defend”