

APPENDIX B

Spill Prevention and Emergency Cleanup Plan

APPENDIX B

SPILL PREVENTION AND EMERGENCY CLEANUP PLAN

This appendix describes best management practices (BMPs) to prevent spills that could introduce contamination to stormwater, as well as the emergency equipment that is stored at the Facility and the emergency response procedures that will be followed in the event of a release. In general, the BMPs below are specific to spill prevention that are the same as (or similar to) those found in Sections 3.1 and 3.2 of this SWPPP. Potential contaminants primarily include zinc, petroleum hydrocarbons, aqueous ammonia, and water treatment chemicals including acids and bases. Note that a separate Spill Prevention, Control and Countermeasures Plan (SPCC Plan) has been prepared for this Facility to specifically address oil spill prevention and control.

BEST MANAGEMENT PRACTICES

Material Handling

The following material handling BMPs will be implemented at the Facility:

- Immediately clean up spills and leaks (e.g., using absorbents, vacuuming, etc.) to prevent the discharge of pollutants.
- Use drip containers during petroleum transfers.
- To the extent practicable, perform material handling in areas not exposed to stormwater run-on or run-off (i.e., in buildings or under awnings).
- Maintain the spill log at the end of this appendix.

Storage Requirements

The following storage requirements will be implemented at the Facility:

- Store all chemical liquids, fluids and petroleum products on an impervious surface that is surrounded with a containment berm or dike that is capable of containing 10 percent of the total enclosed tank volume or 110 percent of the volume contained in the largest tank, whichever is greater.
- Prevent precipitation from accumulating in containment areas with a roof or equivalent structure or include a written plan on how it will manage and dispose of accumulated water if a containment area cover is not practical.
- Inspect aboveground storage tank (AST) and/or container storage areas monthly or more regularly as needed for corrosion, structural failure, spills, leaks, overfills and failure of piping systems. Check containers for leaks/spills. Replace tanks and/or containers as needed.
- Locate materials, equipment, and activities so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and mobile equipment awaiting maintenance to protected areas).
- Use grading, berming, or curbing to prevent runoff of contaminated flows and divert run-on away from material storage areas.

Cleanup Equipment and Procedures

Cleanup equipment at the Facility includes spill kits and hand tools. Spill kits include oil absorbents capable of absorbing at least 15 gallons of fuel, a non-water containment boom at least 10 feet long and capable of absorbing at least 12 gallons of fuel, a non-metallic shovel and container(s) with lids that have a total capacity of at least 10 gallons.

A cleanup contractor shall be utilized in the event of a spill that requires additional cleanup equipment beyond what is available at the Facility. The cleanup contractor has other equipment available, up to and including heavy earthmoving equipment and watercraft capable of recovering spills from waterways in the event of a catastrophic failure at the Facility.

Cleanup procedures will be as follows:

- Confine and prevent any further spread of the spill
 - Reduce or eliminate the spread of material by using drain system isolation valves, dikes, channels, dams and/or oil absorbent material.
- Stop the spill at its source, for example:
 - Plug the leak with available material;
 - If a container or piece of equipment is leaking, it may be possible to turn it on its side or upside down to raise the point that is leaking; or
- If rupture or leak cannot be plugged, use bins, pans, barrels or containers to catch the material if possible.
- Clean up the material and any affected media. Dispose of wastes properly.

Spill Log

Maintain the spill log below:

Date	Time	Type and Amount (volume)	Location	Reason for Spill	Date/Time Cleanup Completed	Notifications Made (e.g., Ecology, etc.)	Staff Involved