



City of Omaha

Industrial Best Management Practices

Sector O - Steam Electric Generating Facilities

SIC Codes: SE



Steam Electric Generating Facilities

- ♣ Store materials and waste inside or in covered, bermed areas
- ♣ Use drip pans and others measures to contain leaks in loading/unloading areas
- ♣ Maintain a clean facility to prevent off-site tracking of coal dust and ash
- ♣ Inspect incoming vehicles, equipment and containers for leaks
- ♣ Immediately clean up spills using appropriate methods

DUST AND ASH CONTROL

- ♣ Minimize offsite tracking of coal dust, ash, and residue.
- ♣ Consider specially designed tires, or washing vehicles in a designated area before they leave the site, and controlling the wash water.
- ♣ Where practicable, clear the ash building floor and roadways of spillage, debris and excess water before each loaded vehicle departs.
- ♣ Reduce ash residue on exit roads leading into and out of residue handling areas.
- ♣ Inspect all residue-hauling vehicles for proper covering over the load, adequate gate sealing and overall integrity of the body or container.
- ♣ Repair vehicles without load covers or adequate gate sealing, or with poor body or container conditions as soon as practicable

DELIVERY VEHICLES

- ♣ Inspect delivery vehicles arriving on the plant site, and ensure overall integrity of the body or container.
- ♣ Control leakage or spillage from vehicles or containers, and ensure that proper protective measures are available for personnel and environment.



LIQUID AND MATERIAL STORAGE AREAS

- ♣ Use protective guards around tanks, and containment curbs around storage areas.
- ♣ Minimize stormwater run on by constructing an enclosure or building a berm around the area.
- ♣ Consider collecting runoff in graded swales or ditches, providing erosion protection measures at steep outfall sites (e.g., concrete chutes, riprap, tilling basins), and covering lay down areas.
- ♣ Store materials indoors or cover with a permanent or temporary covering made of polyethylene, polyurethane, polypropylene, or hypalon.
- ♣ Use spill and overflow protection (drip pans, drip diapers, and/or other containment devices) beneath chemical connectors to contain any spillage due to leaks at connectors.
- ♣ Use dry cleanup methods for any spills that do occur.
- ♣ Comply with applicable State and Federal laws for large bulk fuel storage tanks, including Spill Prevention Control and Countermeasures (SPCC).
- ♣ Inspect the structural integrity of all above ground tanks, pipelines, pumps and other related equipment on a weekly basis.
- ♣ Immediately repair any problems found during inspections.



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LOADING / UNLOADING AREAS

- Use containment curbs in unloading areas.
- Minimize stormwater run on to the loading area by grading, berming, or curbing the area around the loading area to direct storm water away from the area.
- Locate the loading/unloading equipment and vehicles so that leaks can be controlled in existing containment or flow diversion systems.
- Where practicable, loading/unloading areas should be covered.
- During deliveries have station personnel familiar with spill prevention and response procedures present to ensure that any leaks or spills are immediately contained and cleaned up.
- Use spill and overflow protection (drip pans, drip diapers, and/or other containment devices beneath fuel oil connectors) to contain any spillage that may occur during deliveries or due to leaks at connectors.

OIL BEARING EQUIPMENT IN SWITCH-YARDS

- Consider level grades and gravel surfaces to retard flows and limit the spread of spills.
- Collect storm water runoff in perimeter ditches.

TRAINING

- All employees shall be trained in the following areas and on BMPs in the SWMP at least once per year.
- Proper washing procedures.
- Proper disposal practices for all materials.
- Procedures for storage and inspection items.
- Proper filling and transfer procedures.
- Spill response
- Good housekeeping
- Material management practices
- Procedures for equipment and container washing.

INSPECTIONS

- Conduct an inspection of the facility at least quarterly.
- Complete the storm water BMP checklist.
- Immediately inspect all vehicles upon arrival for leaks.
- Look for signs of leakage quarterly.
- Inspect all equipment containing oily parts, hydraulic fluids, or any other type of fluids.
- All liquid storage areas, including antifreeze, oil, brake, transmission fluid, etc.
- Review BMPs after each inspection and modify them and the SWPPP or SWMP as needed.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) OR STORM WATER MANAGEMENT PLAN (SWMP)

- Develop and implement a SWPPP or SWMP.
- All regulated facilities must submit a Notice of Intent (NOI) to NDEQ.



If spills occur:

- Stop the source of the spill immediately.
- Contain the liquid until cleanup is complete.
- Deploy oil containment booms if the spill may reach the street or waterways.
- Cover the spill with absorbent material.
- Keep the area well ventilated.
- Dispose of clean-up materials properly.
- Do not use an emulsifier or dispersant.



Contacts

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