



Environmental Policy For Salt Storage

ROCKLAND COUNTY HIGHWAY DEPARTMENT

Environmental Policy for Salt Storage

(Re-typed on May 1, 2002)

STATEMENT OF POLICY

The purpose of this environmental policy is to ensure that there is no intrusion of salt into the environment of the County of Rockland. To store all salt in a covered facility which provides protection against leaching, runoff and erosion in all weather conditions.

PROTECTION MEASURES

Storage

- a. Erected an 80' diameter domed storage facility.
- b. Facility built on an impervious foundation to prohibit groundwater leaching.
- c. Facility elevated above existing ground and site regraded to prevent surface water from reaching salt stockpile.

Activities

- a. Salt stockpile is closely monitored and not allowed to exceed rated capacity of domed storage facility.
- b. Salt deliveries are scheduled during dry weather periods to reduce the exposure to precipitation.
- c. No spilled salt is allowed to remain exposed to weather.
 1. All spilled salt is immediately returned to covered stockpile.
 2. A truck mounted vacuum sweeper sweeps area where spillage occurs. All material picked up by the sweeper is returned to covered stockpile.
- d. All loading equipment receives periodic maintenance to ensure proper operation during loading and storing of salt.
- e. All personnel receive an annual training seminar on proper salt loading, storing and spreading procedures to be used by the Department.
- f. Adhere to all written departmental safety procedures as set forth in periodic safety/training seminars.

A clean and safe environment is a primary responsibility of this department. The salt storage dome, loading ramps, loading pads and all adjacent areas must be kept free of spilled material. Any materials not under cover provide a potential to pollute the environment. Piles of material left in loading areas may cause injury or damage to individuals or equipment.

Avoid problems. Keep area clean.

Storage Dome Loading

1. During storage dome loading process, dump delivered material in interior of dome.
2. When unable to dump delivered materials inside dome, deposit materials on impervious pad.
3. All materials placed at exterior of storage dome must be moved inside storage dome by end of daily operations.
4. Temporary storage pad and loading area to be swept by air sweeper to remove any residue.
5. Material picked up by air sweeper to be deposited in storage dome.

Spreader Loading/Haul Truck Loading

1. Position equipment to be loaded to avoid spillage.
2. Do not overload loader bucket. Shake off excess at pile to avoid spillage.
3. Avoid jerking loader. Use slow smooth approaches.
4. Do not overload spreading equipment. All materials must be contained within equipment body to prevent spillage.
5. Keep loading ramps and area clear of spilled material.

Completion of Loading Process

1. Clean and grade loading ramps and area with front-end loader. Areas not able to be cleaned by front-end loader must be hand cleaned.
2. Sweep loading ramps, loading pads and all adjacent areas with air sweeper.
3. Materials picked up by air sweeper to be deposited in storage dome.

IMPORTANT

All clean-up procedures must be completed before the end of each shift or snow/ice event.

Salt Storage and Loading Area Inspection Schedule

The Assistant General Foreman will conduct weekly inspection of salt storage and loading area. Findings and recommendations, in writing, will be delivered to the General Foreman after inspection is completed.

Inspect to assure the integrity of the impervious pad.

Inspect to determine any damage to concrete walls.

Inspect to determine structural safety of dome frame.

Inspect waterproof roof covering.

Inspect exterior grading to assure salt brine runoff will not enter drainage system.

Inspect interior and exterior lighting.

Safety in and around the salt storage and loading area must be of paramount importance.

We must remember most loading is being done during poor weather conditions.

All personnel should use extra caution when entering the salt storage and loading area.

Observe the following steps:

1. Use interior and exterior lighting at all time.
2. Keep windshields and windows. Clean
3. Make sure all warning devices are working properly.
4. Do not move equipment until you are sure area is clear.
5. Keep loading area clean and level
6. Load only from loading ramp.
7. No one on exterior of vehicles while loading.
8. Make eye contact and understand what each other is doing.
9. Do not overload loader or spreaders.
10. Do not drive with bucket raised.
11. Use safe speed.
12. Keep alert at all times.

In the interest of employee safety, visitor safety and the overall economic operation of this department, a policy of "Good Housekeeping" must be adhered to.

All employees will be responsible for maintaining a clean work area.

1. Return all tools to proper storage area.
2. Remove waste. Deposit waste in proper receptacle.
3. Keep floors free of slippery spots. Use prescribed absorption materials as needed.
4. Contain and report to your supervisor any spill of hazardous materials.
5. Identify and remove all trip points.
6. Cover all containers. Make sure all containers are properly identified.

Weekly inspections will be conducted by Assistant General Foreman to determine that our "Good Housekeeping" program is being complied with.

Supervisors of specific operations must complete daily inspections.

Clean and well maintained loading and spreading equipment will provide an economical and environmentally safe means of applying snow and ice control materials. Immediately following a snow or ice event the following procedures must be implemented.

1. All spreading equipment to be emptied of all materials inside salt storage dome.
2. Any materials deposited outside the salt storage dome must be cleaned up and placed under cover by end of daily operations.
3. Unloading areas to be cleaned with air sweeper. Materials picked up to be deposited in salt storage dome.
4. Loaders and spreading equipment must have complete washing with clean water. Use wash area only.
5. Upon completion of wash electrical, brake and tire safety check to be administered at inspection and service bays. Any problems detected by inspection must be corrected immediately.
6. Check spreader controls, adjustments and tie downs.
7. Lubricate all designated spreader and plow grease fittings.
8. When dry, check and lubricate spreader drive chains, gears and material control chute. This procedure to be done by two experienced individuals. Use extra caution. Close material control chute.
9. Check all hydraulic fittings, connectors and filters.
10. Clean windshield and cab interior.