

**NDSU**

**Heating Plant/  
Boiler Equipment**

**JUNE 1997**

**RAIL CAR/RAILROAD TRACK SAFETY**

## Safe Operating Procedure

### 1. Rail car/Railroad Track Safety

#### I. Introduction

With a railroad track running through parts of the NDSU campus, employees are exposed to the hazards of a railroad crossing. By learning and following safe practices, we learn to help prevent injury.

#### II. Procedure

- \* Maintain an awareness for presence of railroad cars/trains at all railroad intersections.
- \* Stop, look and listen for trains at all crossings if barriers, lights, or warnings are not present.
- \* Never drive around lowered gates or barriers, it's illegal and deadly.
- \* Never race a train to a crossing.
- \* Don't stop your vehicle on a railroad crossing.
- \* Get out of your vehicle immediately if it stalls on a crossing . Call local law enforcement for assistance.
- \* Watch for a second train when crossing multiple tracks.
- \* As a pedestrian, never walk, run or cycle on railroad tracks - its trespassing and illegal.
- \* If you work with railroad car or are in the area where railroad cars are used or moved, use the buddy system to perform your job. Let your presence be known.
- \* While working with rail cars, allow the trained railroad personnel to manage or assist whenever possible.

## **Incinerator**

### Safe Operating Procedure

#### **2. Incinerator**

- \* PPE -personal protective equipment is mandatory while cleaning the incinerator. This shall include, but is not limited to:

Goggles	Face Mask	Respirator
Hat	Coveralls	Gloves

- \* NDSU's *Lockout/Tagout Safe Operating Procedures and Confined Spaces Standard* shall be the guidelines followed when inspecting, cleaning, or repairing an incinerator
- \* Thoroughly clean ashes from primary chamber semi-annually or as required.
- \* Inspect primary chamber making sure all air inlets and smoke passages are free of debris and interior is in good condition.
- \* Wind direction and speed must be monitored prior to and during operation.
- \* Lock charging door and ash door when unit is not in use.
- \* After last firing, allow unit to cool before cleaning - this may be several days or weeks - for a complete cooling. Contact the supervisor for further instructions.
- \* Do not quick cool with water.
- \* Leave unit to cool before shutting off electrical power unit.
- \* **CAUTION** - Do not strike refractory with cleaning tools - this will cause the internal chamber to deteriorate quicker.
- \* This unit is equipped with an ash cleaning door, shovel burned debris out this door.
- \* Clean the unit with shovel and broom or with automatic cleaning equipment.
- \* If using the hoist to lift loads of ash out the trap door:
  - check all chains and cable prior to use
  - be aware of and avoid pinch/catch points in the chains and cables
  - do not wear loose clothing around chains or pulleys
  - use the "buddy system" while using this method of ash removal
- \* The cleaning process should be done by a 2 person team for maximum safety.
- \* All federal, state, and local government regulations must be followed for appropriate use

and emissions. This would include disposal of waste - ash and animal waste products. Records must be kept and monthly reports provided.

- \* Work in conjunction with the Physical Plant Grounds Crew for notification and need of separate dumpster for ash holding, cooling and disposal.