



# Marty Asbestos and Waste Site Update

## USEPA Region 8

Operational Period 01:

Monday, May 16<sup>th</sup>, 2022 – Sunday, May 22<sup>nd</sup>, 2022

### WEBSITE

[response.epa.gov/MartyAsbestosWaste](https://response.epa.gov/MartyAsbestosWaste)

### SITE DESCRIPTION

The Marty Asbestos and Waste site includes two structurally unsound buildings (St. Joseph and St. Katherine) at an active boarding school in Marty, South Dakota, as well as a large unregulated dumping site 2 miles northeast of town. The entire Site is on the Tribal lands of the Yankton Sioux.

The school buildings contain asbestos and lead based paint. School officials have attempted to restrict access to the buildings, but students and trespassers may be exposed. The dumping location is used dozens of times each day and often catches fire.



**School Building Site**



**Unregulated Dump Site**

### SITE OBJECTIVE

EPA is conducting a CERCLA Time Critical Removal Action to:

1. Demolish and removal of two asbestos-containing school buildings.
2. Remove the White Frame Building, which has been recently condemned, to aid in the removal and hauling of the two school buildings. This will allow the St. Katherine's building wall to be separated from the Pacelli Building.
3. Remediate the unregulated dumping location to support future use by the Tribe as a transfer station.



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### SAFETY MESSAGE

Individuals entering the two buildings at the school property are at risk for exposure to asbestos and lead based paint. At the dump location there is potential for chemical hazards, smoldering waste piles, and vermin, which could be a source for spreading disease. EPA's activity is an active construction zone where and moving heavy equipment can be unsafe.

### OPERATIONAL PERIOD OBJECTIVES

#### For the Marty School Location:

1. Mobilize equipment and resources.
2. Establish Command Post.
3. Secure buildings and prevent unauthorized entry.
4. Establish Support, Contamination Reduction and Exclusion Zones.
  - o Utilize fencing covered with poly sheeting for exclusion zone.
  - o Create decontamination area(s) for equipment and personnel.
5. Remove mercury switches and PCB ballasts from buildings.
6. Cut pipes from shared wall between St. Katherine building and the Pacelli Building.
7. Remove stairway on St. Joseph building.
8. Use engineer to develop final plans to separate St. Katherine building from the Pacelli Building.
  - o Include bracing for walls and first floor structure if possible and useful.
  - o Include plywood sheathing for the Pacelli Building roof
9. Develop contingency plans for potential damage to the Pacelli Building.

#### For the Marty Dump Location:

1. Mobilize equipment and resources.
2. Secure location and create temporary dump spot.
3. Crush debris and waste.
4. Remove and stage chemical hazards if discovered.
5. Segregate refrigerators and tires.
6. Begin excavation of pit and stage clean fill material.
7. Maintain dust control.

### PERIOD ACCOMPLISHMENTS

1. All anticipated heavy equipment needed for the Site has been delivered (See [Weekly Work Order](#)).
2. An ERRS Office and the EPA Mobile Command Post have been set up at the Marty Indian School.
3. Site fencing has been established at both locations of the Site (Dump and School) with controls in-place for properly limiting entry and egress.



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### **PERIOD ACCOMPLISHMENTS (continued):**

4. A Decontamination Trailer at the School Site is in-place, along with poly sheeted fencing, and marked CRZ corridors.
5. Both the St. Joseph and St. Katherine Buildings have been cleared of mercury and PCB containing devices (e.g. switches, lighting ballast).
6. All piping, electrical conduits and wail running between the Pacelli Building and the St. Katherine Building have been severed on both sides of the shared wall.
7. The exterior stairway on the St. Joseph Building has been removed (See photo below).
8. The Site Structural Engineer reviewed and approved the planned shoring work, as well as, the efforts to structural disconnect of the Pacelli Building from the St. Katherine Building.
9. The YST has retained the services of a local architect to develop a contingency plan for potential damage to the Pacelli Building, that might occur from the demolition of the St. Katherine Building.
10. Debris at the Dump Site has been consolidated into two piles with crushing and sizing activities begun (See photo below).
11. The repository location has been marked and excavation has begun (See photo below).
12. Anticipated clean soil has been sorted, staged, and sampled for potential use as back-fill and cover material (See photo below).
13. Tires and refrigerators have been segregated from the other debris and staged for further processing. The tires will be sent off-site for disposal. The refrigerators will have the freon drained and switches removed prior to being crushed and placed in the repository.
14. Dust control operations are underway at both Site locations (See photo below).

### **PLANNED ACTIVITES**

#### **For the Operational Period of May 23<sup>rd</sup>- 29<sup>th</sup>:**

1. Complete the construction of the Repository.
2. Begin placing the crushed and consolidated waste at the Dump Site into the repository.
3. Secure a subcontract for tire disposal.
4. Complete the demolition of the White Frame Building (adjacent to St. Katherine Building) and the St. Joseph Building.
5. Prep and size demolition waste for loading and hauling.
6. Begin the demolition of the St. Katherine Building.
7. Maintain dust control operations at both Site locations.



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### OPERATIONAL PERIOD 01 PHOTOS:



**Waste Pile Consolidation Efforts**



**Repository Excavation Activities**



**Consolidation of Waste Tires**



**Stockpiling of Back-fill Material**



**Removal of Exterior Stairs on St. Joseph**



**Particulate Air Monitoring**