

PSI Daily Reports

VISUAL INSPECTION AND CLEARANCE REPORT

Date: 2-20-91
Project: Union Carbide
Location: Union Carbide Braumsville
Building: Bldg #166
Area:

CHECKLIST:

Residual dust on:

	YES	NO		YES	NO
a. Floor	___	✓	d. Ventilation	___	✓
b. Horizontal Surfaces	___	✓	e. Ducts	___	✓
c. Pipes	___	✓	f. Register	___	✓
			g. Lights	___	✓

FIELD NOTES:

Record any problems encountered here.

A visual inspection was conducted on the interior of bldg #166. Small amounts of A.C.M insulation debris was found during the walk through. On site supervision was notified that more cleaning was needed and that the work area would be required to be reinspected. A recon inspection was conducted on the work area. during the inspection it was noted that areas of concern were cleaned and area was made ready for clearance sampling

FINAL AIR SAMPLE RESULTS: North end - 0.0044 f/cc East central area - 0.0028 f/cc, south end 0.0022 f/cc (Samples collected inside of bldg.)

CLEARANCE FOR UNCONTROLLED OCCUPANCY IS HEREBY GRANTED

SIGNED: A.M
Industrial Hygienist

During the shut down of work activities by abatement contractor on that occurred on 9/20/91, abatement contractor was notified to stop all abatement activities due to contract negotiations. During the work shift, contractor limited his activities to the cleaning and picking up of loose poly and bagged materials at the different regulated work areas. Contractors regulated areas at the time of work stoppage included boilers #1 and #3 at energy systems plant, bldg #364, and the salt water intake bldg. At the end of the work shift on the day of work stoppage (9/20/91), none of the regulated work areas in with abatement work was being performed were totaly clean, or clean enough to consider the removing of the barricade tape to de-regulate the areas of work. This included the open-air abatement bin at the north end of Zone #26 in wich a large exhaust duct was left partialy completed. At the end of the work shift, the supervisor to the abatement contractor was notified to leave all abatement work areas as regulated areas, assuming that the work activities would continue the following week.

the abatement contractor agreed to leave all work areas secured by means of barricade tape until commencement of work activities

Frame Number

5-22 shows large number of pipes insulated with Non-Regulated mineral wool, it also shows the degree of damage caused to the insulation during the extraction ~~cross~~ of the pipes from the structure and also shows the damage to the insulation during the transport of the pipes by crane

64-200 It shows the results of the demolition activities to the structure of bldg #360. It is also visible that transite panels still exist on the mentioned bldg, and that the abatement work, including final cleaning, is not totaly finished and that the area should be still secured by barricade tape. The mayority of the clutter around the bldg. is made up of structural steel debris caused during and by the demolition work

201-223 These frames show the damage done to the pipe insulation during the extraction, transport, and poor stacking of the insulated pipes. Of this type of damage to the insulation, debris from the damaged areas of insulation are lost and fall to the ground when dislodged during the transport. By the time the abatement contractor retrieves this material, large amounts of debry are scattered throughout the road area.

Frame Number

228-340 Shows the north end of the energy systems plant, along with the north wall to boiler #1 and the east wall to boiler #6. It could also be seen that boiler #1 is partially abated and that the area should be barricaded-off to secure the unfinished work. Frames #254 → 257 show large amounts of insulating debris, at the southwest corner of boiler #1, caused ~~&~~ during the extraction of the overhead exhaust duct to boiler #5. These frames also show large amounts of structural steel debris caused during demolition activities at the north end of Zone #26.

325-325 Shows the inicial stages of the abatement of the overhead exhaust duct to boiler #5. There is very large amounts of debris on the poly as a result of the abatement activities. During the shut-down of the abatement work activities of 9/20/91, contractor was unable to retrieve the dirty poly from under the partially abated exhaust duct. Contractor was advised by P.S.I Rep not to cut the poly from underneath the duct because of possible "Leeching" of insulating materials on to the uncovered pavement. And also not to try to pick up the duct by means of a crane, because ~~there~~ of the loose pieces of insulating materials on the surface of the duct..

It was thought, by P.S.I Rep, that by leaving the poly in place that clean-up of the loose debris that would be dislodged would be easier to clean up and that the immediate area around the duct would be protected until re-comencement of work activities. Abatement workers did fail to thoroughly clean the [redacted] and encapsulate the areas because they were being asked to leave the job site. Abatement contractor was notified to leave the areas secured by means of barricade tape because of unprotected insulating materials.

397-522 Shows areas at the north end of Zone #36, energy systems plant, wich include the north ends of boiler #1, #2, #3, and the exhaust stack to boiler #6. the smoke stack to boiler #6 is another area wich should of been secured by means of barricade tape because it consist of another unfinished work area, as well as the [redacted] north ends of boiler #1, and #3. Abatement work was being performed at these areas at the time of the work stoppage. At no time were these areas considered to be totaly complete, as seen large amounts of detailing during final clean-up [redacted] are still necesary, and these areas should be still secured by barricade tape.

Frame Number

522-552 Shows the salt water intake bldg. wich was aprox 70% finished including final cleanup and detailing. The east end of the bldg also shows large number of abated pipes

555-730 Shows the East end entrance to the energy systems plant. The area shows large amounts of conduit and other metal scrap product of the on-going demolition work. It is also noted that the work on the south wall to boiler #3 is unfinished and the area should be protected by means of barricade tape. The frames also show large amounts of scatered metal debris at the south end of bldg #261.

732-807 Shows the interior of bldg #164 and the poorly stacked transite bundles. It also shows the complete disregard by I.E.C workers on broken transite debris on floor area. It shows the poor attitude and complete lack of respect by I.E.C personal to their job and responsibilities to their employer. The frames also show the poor handeling of materials by Midwest steel operators during the transport and storage of transite panels causing further damage to the materials.

The frames also show the storage of wraped insulated pipes at the interior of one of the office spaces to bldg #164

Frame Number

808-870 It shows pipes stockpiled on the west side and north side of boiler #s. The frames show how the pipe insulation is further damaged during the stockpileing of insulated pipes before abatement takes place

876-1010 Shows the state of the transite panels at the east central area of bldg #364. The frames also show transite panels wich were not wraped on the final day of work activities. It is also noted the large amount of cluter made up by large amounts of structural steel debris scatered throughout the bldg #364 area.

In conclusion to the viewing of the tape, all the damage shown to the R.A.C.M insulating materials is the direct cause of the extracting of the insulated pipes from the pipe racks, and the transport of the pipes to the stockpiled area. It is also known that the condition of the insulating materials is weathered and in very poor state and that with

any further handeling of the insulated pipes, pieces of insulation will become disloged and drop to the ground. In view of the tape, the majority of the clutter and unconfortable aspect of the site, is due to the large amounts of structural steel debris scattered throughout the work areas.

Another aspect of the abatement work was the poor attitude of a few workers from I.E.C. On three occasions, meetings were held to adress the situation and work activities were stopped to correct anomalities.

The tape also shows the amount of work that there is left to complete the job. Scince the startup of work activities I.E.C has completed some areas of work, but the majority of the work areas are still incomplete.