

**Intel New Mexico
Community Environmental Working Group
November 2008 EHS Activity Report**

PLANT STATUS:

Production equipment servicing Fab 11X was operating at approximately 95% of capacity.

MONITORING UNDERWAY OR COMPLETED THIS MONTH:

The Q4'08 VOC testing program for the thermal oxidizers began on 11/10/08 at the Fab 11x Bridge Durr thermal oxidizer and will conclude on 11/24/08. Testing of the Fab 11x Fab Durr thermal oxidizer is scheduled to begin 12/3/08 and will conclude on 12/17/08.

INSPECTIONS/MEETINGS:

- Site tour and meeting with NMED

SITE EVENTS :

Date:	Event:	Status/Community Impact:
September 17 – 19, 24 – 30, October 8	Crane northeast side of CUB	Tank installation.
September 25 – October 10	Boom lift on site	Lamp replacement for light poles across site.
October 1 – 3, 6 – 10	Landscaping	Tree pruning and irrigation repairs.
October 2	CUB Scrubber Downtime	The scrubber was brought down in order to replace a fan motor which had vibration and bearing noise. Unit down 2.5 hours.
October 2 – 16	Fab 11X Bridge Durr Thermal Oxidizer Downtime	Mercury switches tripped on the outlet damper due to excess vibration from broken welds between the plenum box and its support beams shutting the unit down. The vibration is caused by increased loads which are within the capacity of the system being directed to the RTO from an area in the factory for which the main support equipment is still under construction (Munters units). The increased loads created additional vibration on the supports to the plenum box. Coordination between Engineering and the Contractors resulted in the plenum box, the outlet duct and the outlet actuator being reinforced to newly added support beams with rivets to reduce the vibration. There was also additional work done by the Instrument and Control Engineers which included changing the code of the mercury switches and adding a five second delay to the code so that the switches would not trip as effortlessly with the increased vibration Unit down 382.82 hours. 545.8 lbs VOC emissions.
October 6 – 10	Trailer move in	Two office trailers will be located on the south end of the site.
October 6 – November 14	East Slope Work	Installing 8 swales including strawbales and cobble as well as new screening plantings and a farm fence to aid in reclamation of the jeep roads on the skyview section of the east slope.
October 13 – 24	East Slope Work	Skid loader and street sweeper being used to clean the asphalt path for safety reasons, as well as general storm clean-up.
October 22 – 31	Landscaping	Skid loader and dump trailer being used to remove and recycle green waste (shrubs) and remove & recycle gravel (walking path).
October 23 – 24	Fab 11X Fab Durr Thermal Oxidizer Downtime	The unit encountered a flame failure which shut down the Thermal Oxidizer. The root cause of the failure to the flame unit was determined to be defective primary and secondary flame monitor sensors which were both replaced by the facilities technicians. Unit down 17.4 hours. 123.7 lbs VOC Emissions
October 23 – 24	Landscaping	Pinic tables being assembled and installed west of RR5.
October 23 – 31	Bus Stops	Installing bus stop overhangs along Intel Drive.
October 27	Fab 11X Fab Durr Thermal Oxidizer Downtime	Unit dropped below temperature for 1.5 hours due to tools being idle. Temperature did not go below 1342°F. 10.7 lbs VOC emissions
October 27 – 31	Landscaping	There will be landscaping work conducted this week on the East Slope. There will be a dump trailer and skid loader in that area. There will also asphalt cutting and

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		replacing on the north end of the site to maintain irrigation lines.
October 29	Parking Garage Repair	There will be jack hammering in the parking garage for repair work.
November 2 – 8	CUB Boiler Rain Cap removal	Worker will be using scaffolding to remove the rain caps from the boiler stacks.
November 6	Fiberglass work in CUB	There will be fibreglassing work in the Central Utility Building.
November 6	Roofing	Roof maintenance on a north campus building.
November 15	Fire pump testing	Annual fire pump testing will be conducted near parking garage.

INFORMATION REQUESTED BY OR PROVIDED TO REGULATORY AGENCIES:

Item:	Permit or Regulatory Requirement/ Regulatory Request:
Administrative Air Permit Revision – removal of 500 BHP boilers from permit	Regulatory Requirement
Notification of removal of Boiler rain caps from 1250 BHP CUB boilers	Permit Requirement
Q4'08 VOC Testing Protocol	Permit Requirement
Notification of Munters Thermal Oxidizer Start Up	Permit Requirement
Notification of Scrubber Start Up	Permit Requirement
Q3'08 Wastewater flow report	Permit Requirement
Q3'08 Quarterly Air Emissions Report	Permit Requirement
Equipment Downtime Report – CUB Scrubber	Permit Requirement
Equipment Downtime Report – F11X Bridge Durr Thermal Oxidizer	Permit Requirement
Equipment Downtime Report – F11X Fab Durr Thermal Oxidizer	Permit Requirement
Equipment Downtime Report – F11X Fab Durr Thermal Oxidizer	Permit Requirement

CALLS RECEIVED: NUMBER OF NEIGHBORS CALLING IN – 5

Comment	Action Taken
October 23- Neighbor in Zone 2 called to report a bad burning odor.	There was no abatement equipment down, no emergency generators being run and no testing of the boiler diesel fuel delivery system during the time of the complaint. There were no incidents with the water treatment systems in the CUB or with the cooling towers.
October 24- Neighbor in Zone 2 called to report thickness of the air and difficulty breathing.	The smell was noticed on the Intel site, and noted that it did not originate on Intel site, but was coming from the west. There was no abatement equipment down, no emergency generators being run and no testing of the boiler diesel fuel delivery system during the time of the complaint. There were no incidents with the water treatment systems in the CUB or with the cooling towers. Additional investigation concluded that there were no other potential sources of odor during that time period. The wind direction was predominantly out of the north west. The External Odor Complaint Notification Protocol is being updated to provide better response by Intel in dealing with odor concerns.
October 24- Neighbor in Zone 2 called to report thickness of the air and a bad acid like odor.	The smell was noticed on the Intel site, and noted that it did not originate on Intel site, but was coming from the west. There was no abatement equipment down, no emergency generators being run and no testing of the boiler diesel fuel delivery system during the time of the complaint. There were no incidents with the water treatment systems in the CUB or with the cooling towers. Additional investigation concluded that there were no other potential sources of odor during that time period. The wind direction was predominantly out of the north west. The External Odor Complaint Notification Protocol is being updated to provide better response by Intel in dealing with odor concerns.
October 30- Neighbor in Zone 2 called to report a bad chemical burning odor similar to that over the prior weekend.	There was no abatement equipment down, no emergency generators being run and no testing of the boiler diesel fuel delivery system during the time of the complaint. There were no incidents with the water treatment systems in the CUB or with the cooling towers. Additional investigation concluded that there were no other potential sources of odor during that time period. The wind direction was predominantly out of the south east. Measures were taken for Intel security to directly call Environmental Relations Manager for site observation if neighbors called with odor complaint over the weekend of November 1. No additional calls received.
November 9- Neighbor in Zone 2 called to report a laundry mat like odor briefly noticed while walking on the walking path.	Investigation still underway.