

**Intel New Mexico
Community Environmental Working Group
September 2011 EHS Activity Report**

PLANT STATUS:

Production equipment servicing Fab 11X was operating at approximately 93.4% of capacity.

MONITORING UNDERWAY OR COMPLETED THIS MONTH:

- H2Q3'11 VOC testing scheduled to be complete end of September 2011
- H2Q3'11 Ammonia Treatment System Testing complete and report submitted August 2011

INSPECTIONS/MEETINGS:

NM Occupational Safety and Health Administration – Voluntary Protection Program application review

SITE EVENTS :

Date:	Time	Event:	Status/Community Impact:
8/11/11-8/12/11	03:31-08:12	F11F-VOC-138-1-120 Thermal Oxidizer had scheduled downtime for PM.	No unabated emissions.
8/16/11	7:00-17:00	Concrete pumper truck used for construction of concrete pad	Possible noise impact
8/16/11	03:20-19:34	F11F-VOC-138-1-120 Thermal Oxidizer went down for manufacturer tuning.	No unabated emissions.
8/17/11	09:49-16:24	F11F-VOC-138-2-120 Thermal oxidizer went down for manufacture tuning.	No unabated emissions.
8/17/11	7:00-19:00	Crane activity to help install and remove nitrogen tanks	Visual impact and possible noise impact
8/18/11	12:44-15:49	F11F-VOC-138-1-120 Thermal Oxidizer went down for manufacture tuning.	No unabated emissions.
8/19/11	08:55-10:05	F11F-VOC-138-2-120 Thermal Oxidizer went down for manufacture tuning.	No unabated emissions.
8/21/11	01:24-2:18	The site experienced power sag at approximately 01:25 and Fab 7 generator ran for 5 minutes and shut off at 1:30. Fab 11X generators ran for 53 minutes and shut off at 2:18	Possible noise and odor impact
8/24/11	7:00-17:00	240 ton crane on site to remove fan	Visual impact and possible noise impact
8/24/11-9/24/11	03:00 -17:00	Herbicide application across the site	Visual and possible odor impact
8/26/11	7:00-17:00	Boom lift to replace a light on pole# 0612 in Parking Lot K	Visual impact
8/28/11	21:58-22:21	The site experienced power sag at approximately 21:58. F11X generators started and ran until 22:21 run time of 23 minutes, F7 generator Ran until 22:03run time of 5 minutes.	Possible noise and odor impact
8/30/11	09:25-11:34	F11F-VOC-138-1-120Thermal Oxidizer went down for scheduled maintenance.	No unabated emissions.
8/31/11	11:00-1:40	Boiler blr-32-gd3-3 replaced controller and re-commissioned boiler on fuel oil for 30 minutes.	Visual and possible odor impact
9/1/11	7:00-17:00	120 Ton Crane use to support construction on concrete pad	Visual impact and possible noise impact
9/2/11	09:00-12:00	Crane setup by CUB cooling towers to set cooling tower fan motor.	Visual impact and possible noise impact

INFORMATION REQUESTED BY OR PROVIDED TO REGULATORY AGENCIES:

Date	Item:	Permit or Regulatory Requirement/ Regulatory Request:
8/12/11	NMED, Quarterly Air Emissions Report	Regulatory Requirement
9/12/11	NMED, Trimix Initial Compliance Test Report	Regulatory Requirement

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CALLS (e-mails) RECEIVED: NUMBER OF NEIGHBORS CALLING IN – 1

Date	Time	Comment	Action Taken
8/13/11	3:47	Neighbor in Zone 2 reported 9/5/11 a situation that occurred 8/13/11 that caused this person to have nausea and burning eyes. Wind blowing from the north 333 degrees at on average 4 mph.	Intel was notified by e-mail 3 weeks after the occurrence. Therefore the response was not real-time. No house call was made to verify the situation described in the complaint. All scrubbers and RTOs were operating in spec.
8/21/11	1:31	Neighbor in Zone 2 reported a diesel odor causing this person to have a headache. Wind blowing from the north 317 degrees at on average 13 mph.	Intel verified diesel generators were started at 0124 and some ran for 53 minutes during unstable power situation on site. No home visit was made. Thom Little responded to caller @ 0150 am and told them what was happening.
8/26/11	1:10	Neighbor in Zone 2 reported a "gooky medicinal stuff" odor. Closed doors and windows Wind blowing from the northeast 328 degrees at 4 mph.	Intel was notified by e-mail 2 weeks after the occurrence. Therefore the response was not real-time. No house call was made to verify odor. All scrubbers and RTO were operating in spec.
8/30/11	20:15	Neighbor in Zone 2 reported 9/5/11 a situation that occurred 8/30/11. It was an acrid medicinal chemical odor. Caused headache, nausea and burning eyes and nose. Wind blowing from the east and north 257-322 degrees at on average 4 mph.	Intel was notified by e-mail one week after the occurrence. Therefore the response was not real-time. No house call was made to verify odor. All scrubbers and RTO were operating in spec.
9/3/11	8:36	Neighbor in Zone 2 reported 9/5/11 a situation that occurred 9/3/11. It was a strong acrid alcohol odor. Wind blowing from the northwest avg 328 degrees at on average 4 mph.	Intel was notified by e-mail so the response was not real-time. No house call was made to verify odor. All scrubbers and RTO were operating in spec.
9/5/11	6:03	Neighbor in Zone 2 reported 9/5/11 a strong chemical smell throughout the house causing this person to have a headache. Wind blowing from the northeast avg 37 degrees at 5 mph.	No request for follow up according to message from command center. Drive by the area 20 minutes after the call did not reveal any unusual odors as reported.

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Acronyms/Abbreviations

Acronym/Abbreviation	Full Name	Description
ABCWUA	Albuquerque Bernalillo County Water Utility Authority	The New Mexico Legislature adopted legislation in 2003 creating the <u>Albuquerque Bernalillo County Water Utility Authority</u> (Authority) and transferred all functions, appropriations, monies, records, equipment and other real and personal property pertaining to the City of Albuquerque's Water/Sewer System to the Water Authority. The Authority governed by a <u>board</u> of three City Councilors, three County Commissioners and the Mayor of the City.
avg	average	The result obtained by adding several quantities together and then dividing this total by the number of quantities
CUB	Central Utilities Building	The CUB houses boilers and other utilities to support the factory.
EHS	Environment, Health and Safety	EHS is the abbreviation for Environment, Health and Safety Department. This is a common abbreviation although other corporations commonly use ESH.
EPA	Environmental Protection Agency	EPA's mission is to protect human health and the environment.
H1	First half of the year	This is the abbreviation Intel uses to denote the first half of the calendar year. Commonly used in air emissions reports to the state.
H2	Second half of the year	This is the abbreviation Intel uses to denote the second half of the calendar year. Commonly used in air emissions reports to the state.
HAP	Hazardous Air Pollutant	Hazardous air pollutants are air pollutants that may reasonably be expected to cause or contribute to irreversible illness or death. EPA has a list of them at their website.
mph	miles per hour	Measurement of velocity.
MSDS	Material Safety Data Sheet	A Material Safety Data Sheet (MSDS) is a document that contains information on the potential health effects of exposure to chemicals, or other potentially dangerous substances, and on safe working procedures users should adhere to when handling chemical products. (http://www.translinknet.be/msds_translation_en.html)
NMED	New Mexico Environment Department	The Department's mission is to provide the highest quality of life throughout the state by promoting a safe, clean and productive environment. They perform integrated program of outreach, permitting, inspection and regulatory enforcement. (http://www.nmenv.state.nm.us/Common/mission.htm)
RTO	Recuperative Thermal Oxidizer	Thermal oxidizers are used as a method of pollution control for process air containing small particles of combustible solids or liquids.
VOC	Volatile Organic Compound	Volatile organic compounds (VOC) means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions. (http://www.epa.gov/ttn/naaqs/ozone/ozonetech/def_voc.htm)
Zone 2	Quadrant of the community	CEWG and Intel decided to divide the area into quadrants to provide a general location from which complaints originated. There are Zones 1 through 4.