

Construction Progress Report

Period: 3/24/08 – 3/30/08

Health & Safety

- Lost time injuries to date: 0
- OSHA recordable to date: 0
- First aid/injuries to date: 0

Weather Delays

- Adverse weather delays in March 2008: 0.5 days
- Adverse weather delays to date: 2 days

Union/Township Delays

- NOV from Township and Union issues: 2 days
- Union Negotiations: 3.5 days
- NOV rescinded by Town on 12/10

Community Air Monitoring

- No exceedances of community air monitoring were observed during the reporting period.

Project Work Performed:

- Continued Long Term OM&M of Soil Gas IRM
- Continued backfilling and compaction.
- Completed installation of underground insulation
- Loaded out six trucks of impacted soil and sent to Model City (Waste Management).
- Placed warning tape over buried piping within trench.
- Continue to address punch list items related to the Soil Gas IRM.

Work Scheduled for Next Period:

- Continue long term OM&M of Soil Gas IRM.
- Continue load out of impacted soils.
- Complete road crossing.
- Continue backfilling and compaction (southern access road/coordinate with GW IRM activities).
- Continue to address punch list items related to the Soil Gas IRM.

Action Items / Other:

- Continue VC data investigation.
- Continue to balance the system.

Prepared By Lucas Cullen, 4/1/08



Installation of Insulation



Installation of Insulation



Southern Trenching

**Privileged and Confidential
Preliminary Data**

Table 1. Preliminary Data Summary of Vapor Sample Analytical Results, Northrop Grumman Operable Unit 3, Soil Gas Interim Remedial Measure, Bethpage, New York.

Preliminary Data							
Compound	CAS No.	Date Sampled:	Carbon Influent				
			02/18/08 ($\mu\text{g}/\text{m}^3$)	02/19/08 ($\mu\text{g}/\text{m}^3$)	02/25/08 ($\mu\text{g}/\text{m}^3$)	03/03/08 ($\mu\text{g}/\text{m}^3$)	03/17/08 ($\mu\text{g}/\text{m}^3$)
Dichlorodifluoromethane (CFC 12)	75-71-8		ND	ND	ND	13	NA
Chloromethane	74-87-3		ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4		ND	ND	ND	200	980
1,3-Butadiene	106-99-0		ND	ND	ND	ND	ND
Bromomethane	74-83-9		ND	ND	ND	ND	ND
Chloroethane	75-00-3		ND	ND	ND	ND	ND
Acetone	67-64-1		ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4		ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4		ND	ND	ND	ND	ND
Methylene Chloride	75-09-2		ND	ND	ND	ND	ND
Trichlorotrifluoroethane	76-13-1		ND	ND	ND	ND	ND
Carbon Disulfide	75-15-0		ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	156-60-5		120	71	ND	ND	10
1,1-Dichloroethane	75-34-3		43	33	45	47	59
Methyl tert-Butyl Ether	1634-04-4		ND	ND	ND	ND	ND
2-Butanone (MEK)	78-93-3		16	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2		5,800	4,600	2,900	1,600	1,400
Chloroform	67-66-3		34	24	ND	27	35
1,2-Dichloroethane	107-06-2		ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6		110	71	35	26	34
Benzene	71-43-2		67	22	ND	ND	ND
Carbon Tetrachloride	56-23-5		ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5		ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4		ND	ND	ND	ND	ND
Trichloroethene	79-01-6		14,000	9,400	5,100	2,500	1,500
cis-1,3-Dichloropropene	10061-01-5		ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1		ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6		ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5		ND	ND	ND	ND	ND
Toluene	108-88-3		92	98	34	61	140
2-Hexanone	591-78-6		ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1		ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4		340	200	82	45	39
Chlorobenzene	108-90-7		ND	ND	ND	ND	ND
Ethylbenzene	100-41-4		ND	ND	ND	ND	ND
m,p-Xylenes	179601-23-1		ND	ND	ND	ND	ND
Bromoform	75-25-2		ND	ND	ND	ND	ND
Styrene	100-42-5		ND	ND	ND	ND	ND
o-Xylene	95-47-6		ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5		ND	ND	ND	ND	ND
Total VOCs ⁽⁴⁾			20,622	14,519	8,196	4,519	4,197

Notes and Abbreviations:

120 Concentration of compound detected

CAS No. Chemical abstract number

NA Not analyzed

ND analyte not detected at, or above its laboratory quantification limit

$\mu\text{g}/\text{m}^3$ micrograms per cubic meter

1. Samples collected by ARCADIS personnel for the periods shown and analyzed for volatile organic compounds (VOCs) using Method TO-15 and project specific analyte list with top 15 TIC's as specified in OU-3 SGIRM SAP.
2. Analysis performed by Columbia Analytical Laboratory, Semi, CA for February 18 through March 3, 2008 time period. Analysis performed by Columbia Analytical Laboratory, Rochester, NY for March 17, 2008 to present time period.

**Privileged and Confidential
Preliminary Data**

3. Total VOCs calculated by summing individual analytes.

**Privileged and Confidential
Preliminary Data**

Table 1. Preliminary Data Summary of Vapor Sample Analytical Results, Northrop Grumman Operable Unit 3, Soil Gas Interim Remedial Measure, Bethpage, New York.

Preliminary Data							
Compound	CAS No.	Date Sampled:	Carbon Effluent				
			02/18/08 (µg/m ³)	02/19/08 (µg/m ³)	02/25/08 (µg/m ³)	03/03/08 (µg/m ³)	03/17/08 (µg/m ³)
Dichlorodifluoromethane (CFC 12)	75-71-8		ND	0.71	5.7	8.3	NA
Chloromethane	74-87-3		ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4		ND	ND	1.1	40	910
1,3-Butadiene	106-99-0		ND	ND	ND	ND	ND
Bromomethane	74-83-9		ND	ND	ND	ND	ND
Chloroethane	75-00-3		ND	ND	ND	ND	ND
Acetone	67-64-1		ND	ND	ND	ND	ND
Trichlorofluoromethane	75-69-4		ND	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4		ND	ND	ND	ND	ND
Methylene Chloride	75-09-2		ND	ND	ND	ND	ND
Trichlorotrifluoroethane	76-13-1		ND	ND	ND	ND	ND
Carbon Disulfide	75-15-0		ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	156-60-5		ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3		ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	1634-04-4		ND	ND	ND	ND	ND
2-Butanone (MEK)	78-93-3		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2		ND	ND	ND	ND	ND
Chloroform	67-66-3		ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2		ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6		ND	ND	ND	ND	ND
Benzene	71-43-2		ND	ND	ND	ND	ND
Carbon Tetrachloride	56-23-5		ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5		ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4		ND	ND	ND	ND	ND
Trichloroethene	79-01-6		ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5		ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1		ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6		ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5		ND	ND	ND	ND	ND
Toluene	108-88-3		ND	ND	ND	ND	ND
2-Hexanone	591-78-6		ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1		ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4		ND	ND	ND	ND	ND
Chlorobenzene	108-90-7		ND	ND	ND	ND	ND
Ethylbenzene	100-41-4		ND	ND	ND	ND	ND
m,p-Xylenes	179601-23-1		ND	ND	ND	ND	ND
Bromoform	75-25-2		ND	ND	ND	ND	ND
Styrene	100-42-5		ND	ND	ND	ND	ND
o-Xylene	95-47-6		ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5		ND	ND	ND	ND	ND
Total VOCs ⁽⁴⁾			0	0.71	6.8	48.3	910

Notes and Abbreviations:

120 Concentration of compound detected

CAS No. Chemical abstract number

NA Not analyzed

ND analyte not detected at, or above its laboratory quantification limit

ug/m³ micrograms per cubic meter

1. Samples collected by ARCADIS personnel for the periods shown and analyzed for volatile organic compounds (VOCs) using Method TO-15 and project specific analyte list with top 15 TIC's as specified in OU-3 SGIRM SAP.
2. Analysis performed by Columbia Analytical Laboratory, Semi, CA for February 18 through March 3, 2008 time period.
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3. Total VOCs calculated by summing individual analytes.

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Table 2. Preliminary Data Summary of Tentatively Identified Compounds Vapor Sample Analytical Results, Northrop Grumman Operable Unit 3, Soil Gas Interim Remedial Measure, Bethpage, New York.

Preliminary Data - Results Estimated											
Tentatively Identified Compounds	Date Sampled:	Carbon Influent					Carbon Effluent				
		02/18/08 (ug/m ³)	02/19/08 (ug/m ³)	02/25/08 (ug/m ³)	03/03/08 (ug/m ³)	03/17/08 (ug/m ³)	02/18/08 (ug/m ³)	02/19/08 (ug/m ³)	02/25/08 (ug/m ³)	03/03/08 (ug/m ³)	03/17/08 (ug/m ³)
Chlorodifluoromethane + Propene + Propane		--	--	--	--	NA	6	4	--	--	NA
Hexamethylcyclotrisiloxane ⁽¹⁾		--	--	--	--	NA	5	--	--	--	NA
2-Ethyl-1-hexanol		--	--	--	--	NA	20	--	--	--	NA
n-Nonanal		--	--	--	--	NA	4	--	--	--	NA
Freon 22		NF	NF	NF	100	NA	NF	NF	20	70	NA
Ethanol		2,000	800	--	--	NA	--	60	800	1,000	NA
Acetophenone		80	--	--	--	NA	--	--	--	--	NA
alpha-Cumyl Alcohol		--	60	--	--	NA	--	--	--	--	NA
Chloroethene		--	--	--	80	NA	--	--	--	20	NA
Methylcyclohexane		--	--	--	100	NA	--	--	--	--	NA
Propane		--	--	--	--	NA	--	--	20	20	NA
Acetaldehyde		--	--	--	--	NA	--	--	--	5	NA

Notes and Abbreviations:

-- Not Reported during this sampling event.

NA TICs Not Available for this sampling period

NF Compound was searched for, but not found.

ug/m³ micrograms per cubic meter

1. Possible artifact

2. Tentatively identified compound list for 3/17 analysis not available as of 3/26/08.