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Mr. David P. Turner, RPM (3HS22)
Western PA Section
United States Environmental Protection Agency, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

November 13, 2009

Reference: LORD-Shope RA Monthly Progress Report

Dear Mr. Turner:

LORD is hereby submitting two copies of the monthly progress report for the period of October 1, 2009 through October 31, 2009.

The following work was conducted during this period:

REMEDIAL ACTION

NPDES Report:

The October report will be submitted under a separate cover.

Thermal Oxidizer:

The thermal oxidizer was shut down on October 28th for 2009 after the planned two month operation. The ISVS influent VOC was 0.39 ppm with 20% removal (Acetone, a common lab contaminant showed up in the effluent but not in the influent). A copy of the laboratory report is attached for your review.

Groundwater Treatment:

The groundwater treatment system was operating normally during this interim.

The groundwater TOC effluent concentration was 1.9 mg/l.

Sincerely,

LORD Corporation

George M. Kickel
Director, Environment, Safety, Health, and Regulatory Compliance

GMK09028/cmf

cc: [redacted] ARCADIS G & M, Inc.
John Morettini, PADEP

Sample Number	Sample Date/Time	Method	Analyte	Result	Detection Limit	Units	Dilution Factor	Analyzed Date/Time	Qualifier
TOE/100709	10/7/2009 9:55	TO-15	Ethylbenzene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Styrene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	cis-1,3-Dichloropropene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	trans-1,3-Dichloropropene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,4-Dichlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,2-Dibromoethane (EDB)	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,3-Butadiene	ND	4	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Acrolein	ND	8	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	3-Chloropropene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,2-Dichloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Acrylonitrile	ND	20	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Vinyl acetate	ND	10	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	4-Methyl-2-pentanone (MIBK)	1.7	5	PPB(V/V)	10	10/13/2009 9:50	J
TOE/100709	10/7/2009 9:55	TO-15	1,3,5-Trimethylbenzene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Toluene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Chlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Pentane	ND	10	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	n-Hexane	2.7	5	PPB(V/V)	10	10/13/2009 9:50	J
TOE/100709	10/7/2009 9:55	TO-15	n-Octane	2.5	4	PPB(V/V)	10	10/13/2009 9:50	J
TOE/100709	10/7/2009 9:55	TO-15	Propene	ND	5	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,2,4-Trichlorobenzene	ND	10	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,4-Dioxane	ND	5	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Dibromochloromethane	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Tetrachloroethene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	m-Xylene & p-Xylene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Ethyl acetate	3.1	20	PPB(V/V)	10	10/13/2009 9:50	J
TOE/100709	10/7/2009 9:55	TO-15	n-Heptane	2.9	5	PPB(V/V)	10	10/13/2009 9:50	J
TOE/100709	10/7/2009 9:55	TO-15	cis-1,2-Dichloroethene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	trans-1,2-Dichloroethene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Methyl tert-butyl ether	ND	10	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	4-Bromofluorobenzene	132		%	10	10/13/2009 9:50	
TOE/100709	10/7/2009 9:55	TO-15	2,2,4-Trimethylpentane	ND	5	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,3-Dichlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Carbon tetrachloride	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	2-Hexanone	18	5	PPB(V/V)	10	10/13/2009 9:50	
TOE/100709	10/7/2009 9:55	TO-15	4-Ethyltoluene	ND	4	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Acetone	80	50	PPB(V/V)	10	10/13/2009 9:50	
TOE/100709	10/7/2009 9:55	TO-15	Chloroform	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Benzene	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	1,1,1-Trichloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Bromomethane	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Chloromethane	ND	5	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Dibromomethane	ND	4	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Chloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Vinyl chloride	ND	2	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Acetonitrile	ND	10	PPB(V/V)	10	10/13/2009 9:50	U
TOE/100709	10/7/2009 9:55	TO-15	Methylene chloride	3.2	5	PPB(V/V)	10	10/13/2009 9:50	J B
TOE/100709	10/7/2009 9:55	TO-15	Carbon disulfide	ND	5	PPB(V/V)	10	10/13/2009 9:50	U

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TOI/100709	10/7/2009 9:45	TO-15	n-Heptane	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	cis-1,2-Dichloroethene	110	2	PPB(V/V)	10	10/13/2009 9:08
TOI/100709	10/7/2009 9:45	TO-15	trans-1,2-Dichloroethene	0.81	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	Methyl tert-butyl ether	ND	10	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	4-Bromofluorobenzene	120		%	10	10/13/2009 9:08
TOI/100709	10/7/2009 9:45	TO-15	2,2,4-Trimethylpentane	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,3-Dichlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Carbon tetrachloride	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	2-Hexanone	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	4-Ethyltoluene	ND	4	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Acetone	ND	50	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Chloroform	1.6	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	Benzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,1,1-Trichloroethane	1.3	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	Bromomethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Chloromethane	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Dibromomethane	ND	4	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Chloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Vinyl chloride	73	2	PPB(V/V)	10	10/13/2009 9:08
TOI/100709	10/7/2009 9:45	TO-15	Acetonitrile	ND	10	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Methylene chloride	3.1	5	PPB(V/V)	10	10/13/2009 9:08 J B
TOI/100709	10/7/2009 9:45	TO-15	Carbon disulfide	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Bromoform	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Bromodichloromethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,1-Dichloroethane	0.84	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	1,1-Dichloroethene	0.95	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	Chlorodifluoromethane	0.84	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	tert-Butyl alcohol	ND	20	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Trichlorofluoromethane	0.45	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	Dichlorodifluoromethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,1,2-Trichloro-1,2,2-trifluor	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,2-Dichloro-1,1,2,2-tetrafluo	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,2-Dichloropropane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	2-Butanone (MEK)	ND	10	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,1,2-Trichloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Trichloroethene	60	2	PPB(V/V)	10	10/13/2009 9:08
TOI/100709	10/7/2009 9:45	TO-15	1,1,2,2-Tetrachloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Methyl methacrylate	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Hexachlorobutadiene	ND	10	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	o-Xylene	1.9	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	1,2-Dichlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,2,4-Trimethylbenzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Cumene	ND	4	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	alpha-Methylstyrene	ND	4	PPB(V/V)	10	10/13/2009 9:08 U

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TOE/100709	10/7/2009 9:55	TO-15	Bromoform	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	Bromodichloromethane	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,1-Dichloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,1-Dichloroethene	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	Chlorodifluoromethane	0.76	2	PPB(V/V)	10	10/13/2009 9:50 J
TOE/100709	10/7/2009 9:55	TO-15	tert-Butyl alcohol	8.7	20	PPB(V/V)	10	10/13/2009 9:50 J
TOE/100709	10/7/2009 9:55	TO-15	Trichlorofluoromethane	0.36	2	PPB(V/V)	10	10/13/2009 9:50 J
TOE/100709	10/7/2009 9:55	TO-15	Dichlorodifluoromethane	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,1,2-Trichloro-1,2,2-trifluor	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,2-Dichloro-1,1,2,2-tetrafluo	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,2-Dichloropropane	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	2-Butanone (MEK)	56	10	PPB(V/V)	10	10/13/2009 9:50
TOE/100709	10/7/2009 9:55	TO-15	1,1,2-Trichloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	Trichloroethene	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,1,2,2-Tetrachloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	Methyl methacrylate	ND	5	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	Hexachlorobutadiene	ND	10	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	o-Xylene	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,2-Dichlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	1,2,4-Trimethylbenzene	ND	2	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	Cumene	ND	4	PPB(V/V)	10	10/13/2009 9:50 U
TOE/100709	10/7/2009 9:55	TO-15	alpha-Methylstyrene	ND	4	PPB(V/V)	10	10/13/2009 9:50 U
TOI/100709	10/7/2009 9:45	D 1946/E	Methane	ND	0.17	%	1.68	10/19/2009 1:03 U
TOI/100709	10/7/2009 9:45	TO-15	Ethylbenzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Styrene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	cis-1,3-Dichloropropene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	trans-1,3-Dichloropropene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,4-Dichlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,2-Dibromoethane (EDB)	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,3-Butadiene	ND	4	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Acrolein	ND	8	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	3-Chloropropene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,2-Dichloroethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Acrylonitrile	ND	20	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Vinyl acetate	ND	10	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	4-Methyl-2-pentanone (MIBK)	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,3,5-Trimethylbenzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Toluene	0.71	2	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	Chlorobenzene	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Pentane	ND	10	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	n-Hexane	1.6	5	PPB(V/V)	10	10/13/2009 9:08 J
TOI/100709	10/7/2009 9:45	TO-15	n-Octane	ND	4	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Propene	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,2,4-Trichlorobenzene	ND	10	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	1,4-Dioxane	ND	5	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Dibromochloromethane	ND	2	PPB(V/V)	10	10/13/2009 9:08 U
TOI/100709	10/7/2009 9:45	TO-15	Tetrachloroethene	10	2	PPB(V/V)	10	10/13/2009 9:08
TOI/100709	10/7/2009 9:45	TO-15	m-Xylene & p-Xylene	2.1	2	PPB(V/V)	10	10/13/2009 9:08
TOI/100709	10/7/2009 9:45	TO-15	Ethyl acetate	ND	20	PPB(V/V)	10	10/13/2009 9:08 U

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