



The David J. Joseph Company

July 12, 2001

78589
JRM
1/29/02
D.E.P.
JUL 13 2001
Southwest District Tampa

John
Mr. Kim B. Ford, P.E.
Florida Dept. of Environmental Protection
3804-Coconut Palm Drive
Tampa, FL 33619

SUBJECT: The David J. Joseph Company
Kingsway Road Landfill
Permit #30456-003-SO
Leachate Management Quarterly Report

Dear Mr. Ford:

This letter is intended to fulfill Condition #17 of the above-referenced permit. Enclosed please find the Monthly Leachate Management Summary report and semiannual leachate results.

The Leachate Management spreadsheet was modified slightly to account for rainwater that collects in our truck loading area. Per our permit, this rainwater must be managed as leachate and our initial spreadsheet didn't account for this minimal amount because it was not pumped through a flow meter.

Feel free to contact me if you have any questions concerning this report at (513) 621-8770.

Very truly yours,

THE DAVID J. JOSEPH COMPANY

Eric M. Logsdon
Staff Engineer

EML/mlb
Enclosures

cc: Thomas B. Baker - TMR
Dan L. Bonivich - TMR/TP
Rick D. Kincannon - TMR/TP

STRICT CODES
NOT PROVIDED
OMITTED ATTACHMENT

Executive and
General Offices

300 Pike Street
Cincinnati, Ohio 45202-4214
513/621-8770
Fax 513/345-4396

Mail Address

P.O. Box 1078
Cincinnati, Ohio 45201-1078

District Offices

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Pueblo
Salt Lake City
St. Louis
Tampa

APRIL 2001
SAMPLES
EVENT



Client #: TAM-11-010305
Address: The David J. Joseph Company
Corporate Safety & Env'tl. Services
300 Pike Street
Cincinnati, OH 45202
Attn: Eric M. Logsdon

Page: Page 1 of 8
Date: 04/17/2001
Log #: L51896-1

Sample Description:

Kingsway Road Landfill

Analytical Report: Leachate

Date Sampled: 04/04/2001

Time Sampled: 14:15

Date Received: 04/04/2001

Collected By: M. Patterson

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Appendix II Pesticide Compounds							
Aldrin	BDL	ug/l	3510/8081	0.050	04/10	04/11	GG
alpha-BHC	BDL	ug/l	3510/8081	0.050	04/10	04/11	GG
beta-BHC	BDL MI	ug/l	3510/8081	0.10	04/10	04/11	GG
delta-BHC	BDL	ug/l	3510/8081	0.050	04/10	04/11	GG
gamma-BHC	BDL MI	ug/l	3510/8081	0.15	04/10	04/11	GG
Technical Chlordane	BDL	ug/l	3510/8081	0.50	04/10	04/11	GG
Chlorobenzilate	BDL MI	ug/l	3510/8081	0.30	04/10	04/11	GG
4,4'-DDD	BDL	ug/l	3510/8081	0.10	04/10	04/11	GG
4,4'-DDE	BDL	ug/l	3510/8081	0.10	04/10	04/11	GG
4,4'-DDT	BDL	ug/l	3510/8081	0.10	04/10	04/11	GG
Dieldrin	BDL MI	ug/l	3510/8081	0.10	04/10	04/11	GG
Endosulfan I	BDL	ug/l	3510/8081	0.050	04/10	04/11	GG
Endosulfan II	BDL	ug/l	3510/8081	0.10	04/10	04/11	GG
Endosulfan Sulfate	BDL	ug/l	3510/8081	0.10	04/10	04/11	GG
Endrin	BDL	ug/l	3510/8081	0.10	04/10	04/11	GG
Endrin Aldehyde	BDL	ug/l	3510/8081	0.10	04/10	04/11	GG
Heptachlor	BDL	ug/l	3510/8081	0.050	04/10	04/11	GG
Heptachlor Epoxide	BDL	ug/l	3510/8081	0.050	04/10	04/11	GG
Isodrin	BDL	ug/l	3510/8081	0.050	04/10	04/11	GG
Methoxychlor	BDL	ug/l	3510/8081	0.50	04/10	04/11	GG
Toxaphene	BDL	ug/l	3510/8081	3.0	04/10	04/11	GG
Dilution Factor	1.0		3510/8081		04/10	04/11	GG
Surrogate Recoveries:							
TCMX	58.0	%	3510/8081	41-153	04/10	04/11	GG
DCB	25.0	%	3510/8081	31-170	04/10	04/11	GG

Appendix II Herbicides

2,4-D	BDL	ug/l	8151	25	04/11	04/13	TB
2,4,5-TP	BDL	ug/l	8151	25	04/11	04/13	TB

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Appendix II Herbicides (continued)							
2,4,5-T	BDL	ug/l	8151	25	04/11	04/13	TB
Dilution Factor	50 MI		8151		04/11	04/13	TB
Surrogate Recoveries:							
DCAA	DL	%	8151	30-149	04/11	04/13	TB
Appendix II Phosphorated Pesticides							
Dimethoate	BDL	ug/l	3510/8141	0.50	04/11	04/13	RR
Disulfoton	BDL	ug/l	3510/8141	0.50	04/11	04/13	RR
Famphur	BDL	ug/l	3510/8141	1.0	04/11	04/13	RR
Parathion, Ethyl	BDL	ug/l	3510/8141	0.50	04/11	04/13	RR
Parathion, Methyl	BDL	ug/l	3510/8141	0.50	04/11	04/13	RR
Phorate	BDL	ug/l	3510/8141	0.50	04/11	04/13	RR
Thionazin	BDL	ug/l	3510/8141	1.0	04/11	04/13	RR
Dilution Factor	1.0		3510/8141		04/11	04/13	RR
Surrogate Recoveries:							
Tributylphosphate	101	%	3510/8141	38-143	04/11	04/13	RR
Triphenylphosphate	68.0	%	3510/8141	34-144	04/11	04/13	RR
Appendix II Metals							
Arsenic	0.016	mg/l	3010/6010	0.010	04/06	04/06	WM
Barium	0.052	mg/l	3010/6010	0.010	04/06	04/06	WM
Beryllium	BDL	mg/l	3010/6010	0.0040	04/06	04/06	WM
Cadmium	BDL	mg/l	3010/6010	0.0050	04/06	04/06	WM
Chromium	0.037	mg/l	3010/6010	0.0050	04/06	04/06	WM
Cobalt	0.013	mg/l	3010/6010	0.010	04/06	04/06	WM
Copper	BDL	mg/l	3010/6010	0.010	04/06	04/06	WM
Lead	BDL	mg/l	3010/6010	0.0050	04/06	04/06	WM
Nickel	0.31	mg/l	3010/6010	0.0050	04/06	04/06	WM
Selenium	BDL	mg/l	3010/6010	0.010	04/06	04/06	WM
Silver	BDL	mg/l	3010/6010	0.010	04/06	04/06	WM
Thallium	BDL	mg/l	3020/7841	0.0020	04/06	04/09	SB
Tin	BDL	mg/l	3010/6010	0.050	04/06	04/09	SB
Vanadium	0.036	mg/l	3010/6010	0.010	04/06	04/06	WM
Zinc	0.022	mg/l	3010/6010	0.020	04/06	04/06	WM
Mercury	0.00023	mg/l	245.1	0.00020	04/10	04/10	ZL
Metals							
Iron	3.4	mg/l	3010/6010	0.050	04/06	04/06	WM
Sodium	2900	mg/l	3010/6010	0.50	04/06	04/12	WM

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Field Services							
Conductivity	14000	umhos/cm	120.1	0.10	04/04	04/04	MP
Dissolved O2	4.5	mg/l	360.1	0.50	04/04	04/04	MP
Field pH	7.61	pH Units	150.1	0.10	04/04	04/04	MP
Field Temp	31.9	Deg. C	170.1	0.100	04/04	04/04	MP
Sampling Method 1	Grab		All		04/04	04/04	MP
General Chemistry							
Alkalinity-Bicarb as CaC	5000	mg/l	4500-CO2 D	20	04/05	04/05	MA
Ammonia as N	110	mg/l	350.1	1.0	04/12	04/12	MG
Chloride	1600	mg/l	300.0	25	04/11	04/11	MG
Cyanide	0.032	mg/l	335.3	0.0050	04/05	04/10	PR
NO3 as N	BDL	mg/l	300.0	0.50	04/06	04/06	MG
Sulfide	14	mg/l	376.1	2.0	04/09	04/09	PR
Total Dissolved Solids	12000	mg/l	160.1	500	04/09	04/09	JP
Polynuclear Aromatic Hydrocarbons							
Naphthalene	3.8	ug/l	3510/8270	1.0	04/10	04/12	GM
2-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
1-Methylnaphthalene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Acenaphthylene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Acenaphthene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Fluorene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Phenanthrene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Anthracene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Fluoranthene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Pyrene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Benzo (a) anthracene	BDL	ug/l	3510/8270	0.20	04/10	04/12	GM
Chrysene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Benzo (b) fluoranthene	BDL	ug/l	3510/8270	0.20	04/10	04/12	GM
Benzo (k) fluoranthene	BDL	ug/l	3510/8270	0.50	04/10	04/12	GM
Benzo (a) pyrene	BDL	ug/l	3510/8270	0.20	04/10	04/12	GM
Dibenzo (a, h) Anthracene	BDL	ug/l	3510/8270	0.20	04/10	04/12	GM
Indeno (1, 2, 3- c, d) pyrene	BDL	ug/l	3510/8270	0.20	04/10	04/12	GM
Benzo (g, h, i) perylene	BDL	ug/l	3510/8270	1.0	04/10	04/12	GM
Dilution Factor	1.0		3510/8270		04/10	04/12	GM
Surrogate Recoveries:							
Nitrobenzene-d5	41.0	%	3510/8270	22-117	04/10	04/12	GM
2-Fluorobiphenyl	31.0 MI	%	3510/8270	34-150	04/10	04/12	GM
Terphenyl-d14	36.0 MI	%	3510/8270	58-160	04/10	04/12	GM

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Appendix II Volatiles							
Acetone	160	ug/l	5030/8260	10	04/10	04/10	SV
Acetonitrile	BDL	ug/l	5030/8260	500	04/10	04/10	SV
Acrolein	BDL	ug/l	5030/8260	50	04/10	04/10	SV
Acrylonitrile	BDL	ug/l	5030/8260	50	04/10	04/10	SV
Allyl Chloride	BDL	ug/l	5030/8260	50	04/10	04/10	SV
Benzene	6.4	ug/l	5030/8260	1.0	04/10	04/10	SV
Bromochloromethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Bromodichloromethane	BDL	ug/l	5030/8260	0.60	04/10	04/10	SV
Bromoform	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Bromomethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Carbon Disulfide	BDL	ug/l	5030/8260	10	04/10	04/10	SV
Carbon Tetrachloride	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Chlorobenzene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Chloroethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Chloroform	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Chloromethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Chloroprene	BDL	ug/l	5030/8260	50	04/10	04/10	SV
Dibromochloromethane	BDL	ug/l	5030/8260	0.40	04/10	04/10	SV
DBCP	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Dibromomethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Dichloromethane	BDL	ug/l	5030/8260	5.0	04/10	04/10	SV
Trans-1,4-Dichloro-2-but	BDL	ug/l	5030/8260	50	04/10	04/10	SV
Dichlorodifluoromethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,2-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,3-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,4-Dichlorobenzene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,1-Dichloroethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,2-Dichloroethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,1-Dichloroethene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
cis-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
trans-1,2-Dichloroethene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,3-Dichloropropane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
2,2-Dichloropropane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,1-Dichloropropene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
cis-1,3-Dichloropropene	BDL	ug/l	5030/8260	0.20	04/10	04/10	SV
trans-1,3-Dichloropropen	BDL	ug/l	5030/8260	0.20	04/10	04/10	SV
EDB	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Ethylbenzene	15	ug/l	5030/8260	1.0	04/10	04/10	SV

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Sample Description:

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Appendix II Volatiles (continued)							
Ethyl Methacrylate	BDL	ug/l	5030/8260	50	04/10	04/10	SV
2-Hexanone	210	ug/l	5030/8260	10	04/10	04/10	SV
Iodomethane	BDL	ug/l	5030/8260	50	04/10	04/10	SV
Isobutyl Alcohol	BDL	ug/l	5030/8260	1000	04/10	04/10	SV
Methacrylonitrile	BDL	ug/l	5030/8260	50	04/10	04/10	SV
MEK(2-Butanone)	BDL	ug/l	5030/8260	10	04/10	04/10	SV
Methyl Methacrylate	BDL	ug/l	5030/8260	50	04/10	04/10	SV
MIBK	11	ug/l	5030/8260	10	04/10	04/10	SV
Propionitrile	BDL	ug/l	5030/8260	50	04/10	04/10	SV
Styrene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,1,1,2-Tetrachloroethan	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,1,2,2-Tetrachloroethan	BDL	ug/l	5030/8260	0.20	04/10	04/10	SV
Tetrachloroethene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Toluene	7.4	ug/l	5030/8260	1.0	04/10	04/10	SV
1,1,1-Trichloroethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,1,2-Trichloroethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Trichloroethene	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Trichlorofluoromethane	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
1,2,3-Trichloropropane	BDL	ug/l	5030/8260	0.20	04/10	04/10	SV
Vinyl Acetate	BDL	ug/l	5030/8260	10	04/10	04/10	SV
Vinyl Chloride	BDL	ug/l	5030/8260	1.0	04/10	04/10	SV
Total Xylenes	12	ug/l	5030/8260	1.0	04/10	04/10	SV
Dilution Factor	1.0		5030/8260		04/10	04/10	SV
Surrogate Recoveries:							
Dibromofluoromethane	74.0	%	5030/8260	68-145	04/10	04/10	SV
Toluene-D8	82.0	%	5030/8260	62-133	04/10	04/10	SV
4-Bromofluorobenzene	76.0	%	5030/8260	56-135	04/10	04/10	SV
Appendix II Semi-Volatiles							
Acetophenone	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2-Acetylaminofluorene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
4-Aminobiphenyl	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Benzyl alcohol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Bis(2-Chloroethoxy)metha	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Bis(2-Chloroethyl) Ether	BDL	ug/l	3510/8270	4.0	04/09	04/12	GM
Bis(2-Chloro-1-Methyleth	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Bis(2-Ethylhexyl) Phthala	BDL	ug/l	3510/8270	4.0	04/09	04/12	GM
4-Bromophenylphenylether	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Butylbenzylphthalate	BDL	ug/l	3510/8270	10	04/09	04/12	GM

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Appendix II Semi-Volatiles (continued)							
p-Chloroaniline	BDL	ug/l	3510/8270	10	04/09	04/12	GM
p-Chloro-m-Cresol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2-Chloronaphthalene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2-Chlorophenol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
4-Chlorophenyl-phenyleth	BDL	ug/l	3510/8270	10	04/09	04/12	GM
m-Cresol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
o-Cresol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
p-Cresol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Diallate	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Dibenzofuran	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Di-N-Butyl Phthalate	BDL	ug/l	3510/8270	10	04/09	04/12	GM
o-Dichlorobenzene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
m-Dichlorobenzene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
p-Dichlorobenzene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
3,3'-Dichlorobenzidine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2,4-Dichlorophenol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2,6-Dichlorophenol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Diethyl Phthalate	BDL	ug/l	3510/8270	10	04/09	04/12	GM
p-Dimethylaminoazobenzen	BDL	ug/l	3510/8270	10	04/09	04/12	GM
7,12-Dimethylbenzo(a)ant	BDL	ug/l	3510/8270	10	04/09	04/12	GM
3,3'-Dimethylbenzidine	BDL	ug/l	3510/8270	200	04/09	04/12	GM
2,4-Dimethyl Phenol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Dimethyl Phthalate	BDL	ug/l	3510/8270	10	04/09	04/12	GM
m-Dinitrobenzene	BDL	ug/l	3510/8270	50	04/09	04/12	GM
4,6-Dinitro-o-Cresol	BDL	ug/l	3510/8270	50	04/09	04/12	GM
2,4-Dinitrophenol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2,4-Dinitrotoluene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2,6-Dinitrotoluene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Dinoseb	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Di-N-Octyl Phthalate	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Diphenylamine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Ethyl Methanesulfonate	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Hexachlorobenzene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Hexachlorobutadiene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Hexachlorocyclopentadien	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Hexachloroethane	BDL	ug/l	3510/8270	2.0	04/09	04/12	GM
Hexachloropropene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Isophorone	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Isosafrole	BDL	ug/l	3510/8270	10	04/09	04/12	GM

Client #: TAM-11-010305
 Address: The David J. Joseph Company
 Corporate Safety & Env'tl. Services
 300 Pike Street
 Cincinnati, OH 45202
 Attn: Eric M. Logsdon

Page: Page 7 of 8
 Date: 04/17/2001
 Log #: L51896-1

Sample Description:

Kingsway Road Landfill

Analytical Report: Leachate

Date Sampled: 04/04/2001

Time Sampled: 14:15

Date Received: 04/04/2001

Collected By: M. Patterson

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Appendix II Semi-Volatiles (continued)							
Kepone	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Methapyrilene	BDL	ug/l	3510/8270	2000	04/09	04/12	GM
3-Methylcholanthrene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Methyl Methanesulfonate	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2-Methylnaphthalene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
1,4-Naphthoquinone	BDL	ug/l	3510/8270	10	04/09	04/12	GM
1-Naphthylamine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2-Naphthylamine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
o-Nitroaniline	BDL	ug/l	3510/8270	50	04/09	04/12	GM
m-Nitroaniline	BDL	ug/l	3510/8270	50	04/09	04/12	GM
p-Nitroaniline	BDL	ug/l	3510/8270	50	04/09	04/12	GM
Nitrobenzene	BDL	ug/l	3510/8270	4.0	04/09	04/12	GM
o-Nitrophenol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
p-Nitrophenol	BDL	ug/l	3510/8270	50	04/09	04/12	GM
N-Nitrosodi-n-butylamine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
N-Nitrosodiethylamine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
N-Nitrosodimethylamine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
N-Nitrosodiphenylamine	BDL	ug/l	3510/8270	4.0	04/09	04/12	GM
N-Nitrosodipropylamine	BDL	ug/l	3510/8270	4.0	04/09	04/12	GM
N-Nitrosomethylethylamin	BDL	ug/l	3510/8270	10	04/09	04/12	GM
N-Nitrosopiperidine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
N-Nitrosopyrrolidine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
5-Nitro-o-Toluidine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Pentachlorobenzene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Pentachloronitrobenzene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Pentachlorophenol	BDL	ug/l	3510/8270	50	04/09	04/12	GM
Phenacetin	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Phenol	BDL	ug/l	3510/8270	10	04/09	04/12	GM
p-Phenylenediamine	BDL	ug/l	3510/8270	2000	04/09	04/12	GM
Pronamide	BDL	ug/l	3510/8270	10	04/09	04/12	GM
Safrole	BDL	ug/l	3510/8270	10	04/09	04/12	GM
1,2,4,5-Tetrachlorobenze	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2,3,4,6-Tetrachloropheno	BDL	ug/l	3510/8270	50	04/09	04/12	GM
O-Toluidine	BDL	ug/l	3510/8270	10	04/09	04/12	GM
1,2,4-Trichlorobenzene	BDL	ug/l	3510/8270	10	04/09	04/12	GM
2,4,5-Trichlorophenol	BDL	ug/l	3510/8270	4.0	04/09	04/12	GM
2,4,6-Trichlorophenol	BDL	ug/l	3510/8270	3.0	04/09	04/12	GM
o,o,o-Triethylphosphorot	BDL	ug/l	3510/8270	10	04/09	04/12	GM
sym-Trinitrobenzene	BDL	ug/l	3510/8270	200	04/09	04/12	GM

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Date: 04/17/2001
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Analytical Report: Leachate

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Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Analysis Date	Analyst
Appendix II Semi-Volatiles (continued)							
Dilution Factor	1.0		3510/8270		04/09	04/12	GM
Surrogate Recoveries:							
2-Fluorophenol	25.0	%	3510/8270	10-115	04/09	04/12	GM
Phenol-d5	34.0	%	3510/8270	10-137	04/09	04/12	GM
Nitrobenzene-d5	54.0	%	3510/8270	28-128	04/09	04/12	GM
2-Fluorobiphenyl	32.0 MI	%	3510/8270	45-126	04/09	04/12	GM
2,4,6-Tribromophenol	49.0 MI	%	3510/8270	51-134	04/09	04/12	GM
Terphenyl-d14	73.0	%	3510/8270	50-146	04/09	04/12	GM
EDB/DBCP							
EDB	BDL	ug/l	504	0.020	04/05	04/05	RR
DBCP	BDL	ug/l	504	0.020	04/05	04/05	RR
Dilution Factor	1.0		504		04/05	04/05	RR
APP II Pesticides							
PCB 1016	BDL	ug/l	3510/8082	0.50	04/10	04/11	RR
PCB 1221	BDL	ug/l	3510/8082	0.50	04/10	04/11	RR
PCB 1232	BDL	ug/l	3510/8082	0.50	04/10	04/11	RR
PCB 1242	BDL	ug/l	3510/8082	0.50	04/10	04/11	RR
PCB 1248	BDL	ug/l	3510/8082	0.50	04/10	04/11	RR
PCB 1254	BDL	ug/l	3510/8082	0.50	04/10	04/11	RR
PCB 1260	BDL	ug/l	3510/8082	0.50	04/10	04/11	RR
Dilution Factor	1.0		3510/8082		04/10	04/11	RR
Surrogate Recoveries:							
TCMX	80.0	%	3510/8082	41-153	04/10	04/11	RR
DCB	24.0	%	3510/8082	31-170	04/10	04/11	RR

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect (RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

QAP# 980126 DOH# E86240 NC CERT# 444
SUB DOH# 86122,86109,E86048 ADEM ID# 40850 MA CERT# M-FL449
SC CERT# 96031001 TN CERT# 02985 CT CERT# PH-0122
ELPAT# 13801 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager