

STERLING

Sterling Environmental Engineering, P.C.

January 31, 2002

Mr. William J. Clarke
NYS Department of Environmental Conservation
Region 4 – Division of Environmental Permits
1150 N. Westcott Road
Schenectady, New York 12306-2014

Subject: Norlite Corporation
Permit Application #4-0103-00016/00020
STERLING File #21033

Dear Mr. Clarke:

This letter is a follow up to Sterling Environmental Engineering, P.C.'s (STERLING's) letter of December 12, 2001 submitted on behalf of Norlite Corporation (Norlite).

The New York State Department of Environmental Conservation's (NYSDEC's) November 15, 2001 letter to Mr. Tim Lachell of Norlite constituted an Incomplete Notice regarding Norlite's Application #4-0103-00016/00020 for a modification to the existing Industrial State Pollution Discharge Elimination System (SPDES) permit for the facility in Cohoes, New York. The NYSDEC requested a response from Norlite by December 12, 2001. In STERLING's letter of December 12, 2001, an extension to January 31, 2002 was requested so that Norlite could conduct additional analytical testing as outlined in the December 12, 2001 letter.

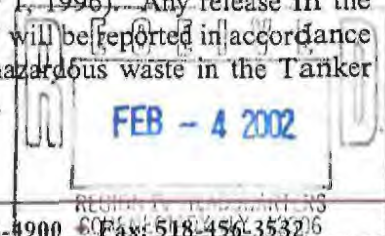
On December 18, 2001, STERLING obtained the required samples from untreated stormwater in the LGF Tanker Staging Area. The results of the analysis are enclosed.

Norlite and STERLING are reviewing the results of the analytical testing of untreated stormwater and an extensive list of materials received by the facility. Based upon this review, Norlite and STERLING will revise the application as required.

Norlite and STERLING intend to submit a modified application and redesign by February 28, 2002.

With regards to spill reporting, Norlite will report any quantity of waste or other oil or mineral spirits spilled in the waste oil containment area to the NYSDEC within 2 hours of discovery unless the spill meets all of the criteria set forth on Page 1.1-2 of the NYSDEC's Technical Field Guide: Spill Reporting and Initial Notification Requirements (May 1, 1996).

Waste oil or other oil spills in the Tanker Staging Area will be reported to the NYSDEC within 2 hours of discovery unless the spill meets all of the criteria set forth on Page 1.1-2 of the NYSDEC's Technical Field Guide: Spill Reporting and Initial Notification Requirements (May 1, 1996). Any release in the Tanker Staging Area of a hazardous substance listed in 6 NYCRR Part 597 will be reported in accordance with regulations set forth in 6 NYCRR Part 595.3. Any release of a hazardous waste in the Tanker Staging Area will be reported in accordance with 40 CFR Part 373-2(g)(4).

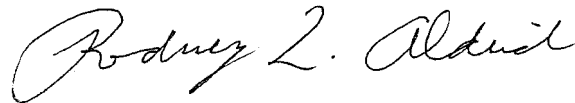


Any impacted water or soils from a release will be disposed of in accordance with all applicable local, State, and Federal regulations. Remediation plans will be prepared on a case-by-case basis, as required, in conjunction with the NYSDEC Office of Environmental Quality, Region 4.

If you have any questions, please call me at 518/456-4900.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.

A handwritten signature in cursive script that reads "Rodney L. Aldrich".

Rodney L. Aldrich, P.E.
Manager, Environmental Services
rod@sterlingenvironmental.com

RLA/bh
Facsimile/Certified-Return Receipt
Enclosure

cc: Carol Lamb-Lafay, NYSDEC Region 4
Tim Lachell, Norlite Corp.
Kevin Young, Esq.
James M. Harrington, Division of Water, NYSDEC Central Office

21033/Inc_Appl_Response_itr



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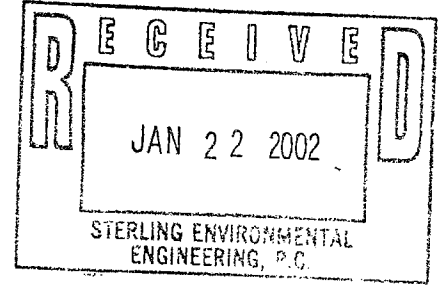
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LABORATORY REPORT

for

Norlite Corporation
62B Saratoga Street
Box 694
Cohoes, NY 12047

Attention: Prince Knight

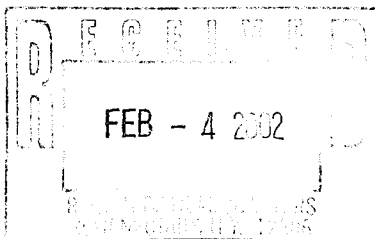


Purchase Order #: N-552
Attachment
Additional Parameters 01/09/02

Report date: 01/15/02
Number of samples analyzed: 3
AES Project ID: 011218 K
Invoice #: 236403

CC: Sterling EEPC

ELAP ID#: 12709



AIHA ID#: 100307

Albany, NY



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CLIENT: Norlite Corporation
CLIENT'S SAMPLE ID: 121801
AES sample #: 011218 K01

Samples taken by: R.Aldrich
MATRIX: Water

Date Sampled: 12/18/01
Date sample received: 12/18/01
Location: Norlite Facilit composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
Phenols, Total	EPA-420.1	0.005	mg/l	LS-B-10	01/15/02
Fluoride	EPA-300.0	0.37	mg/l	SH-ICG-88	01/02/02
Cyanide, Total	EPA-335.3	<0.01	mg/l	MC-I	12/26/01
Sulfide	EPA-376.2	0.2	mg/l	MC-J-24	12/19/01
Aluminum	EPA-200.7	1.0	mg/l	WB-I-4C-53	12/28/01
Antimony	EPA-200.7	<0.06	mg/l	WB-I-4C-53	12/28/01
Arsenic	EPA-200.7	<0.005	mg/l	WB-I-4C-53	12/28/01
Barium	EPA-200.7	0.06	mg/l	WB-I-4C-53	12/28/01
Beryllium	EPA-200.7	<0.005	mg/l	WB-I-4C-53	12/28/01
Boron	EPA-200.7	<0.05	mg/l	WB-I-4C-53	12/28/01
Cadmium	EPA-200.7	<0.005	mg/l	WB-I-4C-53	12/28/01
Calcium	EPA-200.7	42	mg/l	WB-I-4C-53	12/28/01
Chromium	EPA-200.7	<0.005	mg/l	WB-I-4C-53	12/28/01
Chromium, Hexavalent	SM 3500 Cr D	<0.01	mg/l	WB-I-4C-53	12/28/01
Cobalt	EPA-200.7	<0.05	mg/l	WB-I-4C-53	12/28/01
Copper	EPA-200.7	<0.05	mg/l	WB-I-4C-53	12/28/01
Iron	EPA-200.7	1.82	mg/l	WB-I-4C-53	12/28/01
Lead	EPA-200.7	<0.005	mg/l	WB-I-4C-53	12/28/01
Magnesium	EPA-200.7	13	mg/l	WB-I-4C-53	12/28/01
Manganese	EPA-200.7	0.08	mg/l	WB-I-4C-53	12/28/01



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: 121801

Date sample received: 12/18/01

AES sample #: 011218 K01

Samples taken by: R.Aldrich

Location: Norlite Facilit

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-8	12/21/01
Nickel	EPA-200.7	<0.05	mg/l	WB-I-4C-53	12/28/01
Potassium	EPA-200.7	7.5	mg/l	WB-I-4C-53	12/28/01
Selenium	EPA-200.7	<0.005	mg/l	WB-I-4C-53	12/28/01
Silver	EPA-200.7	<0.02	mg/l	WB-I-4C-53	12/28/01
Sodium	EPA-200.7	26	mg/l	WB-I-4C-53	12/28/01
Thallium	EPA-200.7	<0.01	mg/l	WB-I-4C-53	12/28/01
Vanadium	EPA-200.7	<0.05	mg/l	WB-I-4C-53	12/28/01
Zinc	EPA-200.7	0.01	mg/l	WB-I-4C-53	12/28/01
Tin	EPA-200.7	<0.05	mg/l	WB-I-4C-53	12/28/01
Phenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Bis(2-Chloroethyl)ether	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2-Chlorophenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
1,3-Dichlorobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
1,4-Dichlorobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Benzyl Alcohol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
1,2-Dichlorobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
o-Cresol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Bis(2-Chloroisopropyl)ether	EPA-625	<10	ug/l	MT-CC-15	01/04/02
p-Cresol	EPA-625	<10	ug/l	MT-CC-15	01/04/02



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CLIENT: Norlite Corporation
CLIENT'S SAMPLE ID: 121801
AES sample #: 011218 K01

Date Sampled: 12/18/01
Date sample received: 12/18/01
Samples taken by: R.Aldrich
Location: Norlite Facility composite
MATRIX: Water

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
N-Nitroso-di-n-propylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Hexachloroethane	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Isophorone	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2-Nitrophenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,4-Dimethylphenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Bis(2-Chloroethoxy)methane	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,4-Dichlorophenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
1,2,4 Trichlorobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Naphthalene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
4-Chloroaniline	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Hexachlorobutadiene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
4-Chloro-3-methylphenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2-Methylnaphthalene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Hexachlorocyclopentadiene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,4,6 Trichlorophenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,4,5-Trichlorophenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2-Chloronaphthalene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2-Nitroaniline	EPA-625	<50	ug/l	MT-CC-15	01/04/02
Dimethyl phthalate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Acenaphthylene	EPA-625	<10	ug/l	MT-CC-15	01/04/02



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: 121801

Date sample received: 12/18/01

AES sample #: 011218 K01

Samples taken by: R.Aldrich

Location: Norlite Facility

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
3-Nitroaniline	EPA-625	<50	ug/l	MT-CC-15	01/04/02
Acenaphthene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,4-Dinitrophenol	EPA-625	<50	ug/l	MT-CC-15	01/04/02
4-Nitrophenol	EPA-625	<50	ug/l	MT-CC-15	01/04/02
Dibenzofuran	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,4-Dinitrotoluene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,6 Dinitrotoluene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Diethyl phthalate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
4-Chlorophenylphenyl ether	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Fluorene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
4-Nitroaniline	EPA-625	<50	ug/l	MT-CC-15	01/04/02
2,Methyl-4,6-Dinitrophenol	EPA-625	<50	ug/l	MT-CC-15	01/04/02
N-Nitrosodimethylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
4-Bromophenylphenyl ether	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Hexachlorobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Pentachlorophenol	EPA-625	<50	ug/l	MT-CC-15	01/04/02
Phenanthrene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Anthracene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Di-n-butylphthalate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Fluoranthene	EPA-625	<10	ug/l	MT-CC-15	01/04/02



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CLIENT: Norlite Corporation

CLIENT'S SAMPLE ID: 121801

AES sample #: 011218 K01

Date Sampled: 12/18/01

Date sample received: 12/18/01

Samples taken by: R.Aldrich

Location: Norlite Facility

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Pyrene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Butylbenzylphthalate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
3,3'-Dichlorobenzidine	EPA-625	<20	ug/l	MT-CC-15	01/04/02
Benzo(a)anthracene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Bis(2-Ethylhexyl)phthalate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Chrysene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
D:-n-octylphthalate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Benzo(b)fluoranthene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Benzo(k)fluoranthene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Benzo(a)pyrene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Indeno(1,2,3-cd)pyrene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Dibenzo(a,h)anthracene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Benzo(g,h,i)perylene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Acetophenone	EPA-625	<10	ug/l	MT-CC-15	01/04/02
O-Acetylaminofluorene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
4-Aminobiphenyl	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Chlorobenzilate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
m-Cresol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,6-Dichlorophenol	EPA-625	<10	ug/l	MT-CC-15	01/04/02
p-Dimethylaminoazobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: 121801

Date sample received: 12/18/01

AES sample #: 011218 K01

Samples taken by: R.Aldrich

Location: Norlite Facility

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
7,12-dimethylbenz(a)anthracene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
3,3 dimethylbenzidine	EPA-625	<80	ug/l	MT-CC-15	01/04/02
m-Dinitrobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Ethyl Methacrylate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Ethyl-Methanesulfonate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Hexachloropropene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Diphenylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
N-Nitrosodiphenylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Isodrin	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Isosafrole	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Methapyrilene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
3-Methyl-cholanthrene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Methyl Methanesulfonate	EPA-625	<10	ug/l	MT-CC-15	01/04/02
1,4-Naphthoquinone	EPA-625	<10	ug/l	MT-CC-15	01/04/02
1-Naphthylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2-Naphthylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
N-nitrosodi-n-butylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
N-nitrosodi-ethylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
N-nitrosomethyl-ethylamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
N-nitrosopiperidine	EPA-625	<10	ug/l	MT-CC-15	01/04/02



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CLIENT: Norlite Corporation
CLIENT'S SAMPLE ID: 121801
AES sample #: 011213 K01

Samples taken by: R. Aldrich
MATRIX: Water

Date Sampled: 12/18/01
Date sample received: 12/18/01
Location: Norlite Facility composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
N-nitroso-pyrrolidine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
5-nitro-o-toluidine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Pentachlorobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Pentachloro-nitrobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Phenacetin	EPA-625	<10	ug/l	MT-CC-15	01/04/02
p-Phenylenediamine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Safrole	EPA-625	<10	ug/l	MT-CC-15	01/04/02
1,2,4,5-tetra-chlorobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
2,3,4,6-Tetrachloropheno	EPA-625	<10	ug/l	MT-CC-15	01/04/02
o-Toluidine	EPA-625	<10	ug/l	MT-CC-15	01/04/02
sym-Trinitrobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
Nitrobenzene	EPA-625	<10	ug/l	MT-CC-15	01/04/02
EPA-625 TIC'S	EPA-625	See	Attached	MT-CC-15	01/04/02
2,4-D	SM 18 6640B	<1	ug/l	TN-TG-D-15	12/21/01
2,4,5-T	SM 18 6640B	<1	ug/l	TN-TG-D-15	12/21/01
2,4,5-TP (Silvex)	SM 18 6640B	<1	ug/l	TN-TG-D-15	12/21/01
Dinoseb	EPA-8151	<1	ug/l	TN-TG-D-15	12/21/01
Dimethoate	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01
Disulfoton	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01
Methyl Parathion	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: 121801

Date sample received: 12/18/01

AES sample #: 011218 K01

Samples taken by: R.Aldrich

Location: Norlite Facilit

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
Parathion	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01
Phorate	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01
o,o,o-Triethyl-phosphorothioat	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01
Famphur	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01
Thionazin	EPA-8141	<1	ug/l	TN-PES-D12	12/21/01
a-BHC	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
b-BHC	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
d-BHC	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
g-BHC	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
Heptachlor	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
Aldrin	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
Heptachlor Epoxide	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
Endosulfan I	EPA-608	<0.05	ug/l	KF-PES-D11	12/18/01
Dieldrin	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01
4,4'-DDE	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01
Endrin	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01
Endosulfan II	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01
4,4'-DDD	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01
Endosulfan Sulfate	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01
4,4'-DDT	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: 121801

Date sample received: 12/18/01

AES sample #: 011218 K01

Samples taken by: R.Aldrich

Location: Norlite Facility

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Methoxychlor	EPA-608	<0.5	ug/l	KF-PES-D11	12/18/01
Chlordane	EPA-608	<0.5	ug/l	KF-PES-D11	12/18/01
Diallate	EPA-608	<1	ug/l	TN-PES-D12	12/21/01
Toxaphene	EPA-608	<1	ug/l	KF-PES-D11	12/18/01
PCB 1016	EPA-608	<0.065	ug/l	KF-PCBAJ20	12/18/01
PCB 1221	EPA-608	<0.065	ug/l	KF-PCBAJ20	12/18/01
PCE 1232	EPA-608	<0.065	ug/l	KF-PCBAJ20	12/18/01
PCB 1242	EPA-608	<0.065	ug/l	KF-PCBAJ20	12/18/01
PCE 1248	EPA-608	<0.065	ug/l	KF-PCBAJ20	12/18/01
PCB 1254	EPA-608	<0.065	ug/l	KF-PCBAJ20	12/18/01
PCB 1260	EPA-608	<0.065	ug/l	KF-PCBAJ20	12/18/01
Kepon	EPA-608	<0.2	ug/l	TN-PES-D12	12/21/01
Pronamide	EPA-608	<0.2	ug/l	TN-PES-D12	12/21/01
Endrin Aldehyde	EPA-608	<0.1	ug/l	KF-PES-D11	12/18/01



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CLIENT: Norlite Corporation
CLIENT'S SAMPLE ID: 121801
AES sample #: 011218 K02

Samples taken by: R.Aldrich
MATRIX: Water

Date Sampled: 12/18/01
Date sample received: 12/18/01
Location: Norlite Facility
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Bromomethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Vinyl Chloride	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Chloroethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Methylene Chloride	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Acetone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Carbon Disulfide	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1-Dichloroethene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1-Dichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,2-Dichloroethene Total	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Chloroform	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,2 Dichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
2-Butanone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,1,1-Trichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Carbon Tetrachloride	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Vinyl Acetate	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Bromo dichloromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,2 Dichloropropane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
trans-1,3-Dichloropropene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Trichloroethene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: 121801

Date sample received: 12/18/01

AES sample #: 011218 K02

Samples taken by: R.Aldrich

Location: Norlite Facility

MATRIX: Water

grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Dibromochloromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1,2-Trichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Benzene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Bromoform	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
4-Methyl-2-pentanone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
2-Hexanone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Tetrachloroethene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Toluene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Chlorobenzene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Ethylbenzene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Styrene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Xylenes, Total	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Acetonitrile	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Acrolein	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Acrylonitrile	EPA-624	<25	ug/l	JF-BZ-29	12/27/01
Allyl Chloride	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Chloroprene	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
1,2-Dibromo-3-chloropropane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: 121801

Date sample received: 12/18/01

AES sample #: 011218 K02

Samples taken by: R.Aldrich

Location: Norlite Facility

MATRIX: Water

grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTE/BOOK REF</u>	<u>TEST DATE</u>
Dibromomethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Dichlorodifluoromethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Ethylene Dibromide	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Iodomethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Methyl Methacrylate	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,1,1,2-Tetrachloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Isobutanol	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Methacrylonitrile	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Propionitrile	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Bromochloromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,3-Dichloropropane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
2,2-Dichloropropane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,1-Dichloropropene	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,2,3-Trichloropropane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Trichlorofluoromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Tentatively Identified Cmpnds	EPA-624	None	Found	JF-BZ-29	12/27/01



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CLIENT: Norlite Corporation
CLIENT'S SAMPLE ID: Trip Blank
AES sample #: 011218 K03

Date Sampled: 12/18/01
Date sample received: 01/15/02
Samples taken by: R.Aldrich
Location: Norlite Facility
MATRIX: Water
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Bromomethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Vinyl Chloride	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Chloroethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Methylene Chloride	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Acetone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Carbon Disulfide	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1-Dichloroethene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1-Dichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,2-Dichloroethene Total	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Chloroform	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,2 Dichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
2-Butanone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,1,1-Trichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Carbon Tetrachloride	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Vinyl Acetate	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Bromo dichloromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,2 Dichloropropane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
trans-1,3-Dichloropropene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Trichloroethene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01



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CLIENT: Norlite Corporation

Date Sampled: 12/18/01

CLIENT'S SAMPLE ID: Trip Blank

Date sample received: 01/15/02

AES sample #: 011218 K03

Samples taken by: R.Aldrich

Location: Norlite Facility

MATRIX: Water

grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Dibromochloromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1,2-Trichloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Benzene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Bromoform	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
4-Methyl-2-pentanone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
2-Hexanone	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Tetrachloroethene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Toluene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Chlorobenzene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Ethylbenzene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Styrene	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Xylenes, Total	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Acetonitrile	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Acrolein	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Acrylonitrile	EPA-624	<25	ug/l	JF-BZ-29	12/27/01
Allyl Chloride	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Chloroprene	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
1,2-Dibromo-3-chloropropane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01



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CLIENT: Norlite Corporation
CLIENT'S SAMPLE ID: Trip Blank
AES sample #: 011218 K03

Date Sampled: 12/18/01
Date sample received: 01/15/02
Samples taken by: R.Aldrich
Location: Norlite Facility
MATRIX: Water
grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Dibromomethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Dichlorodifluoromethane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Ethylene Dibronide	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Iodomethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Methyl Methacrylate	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,1,1,2-Tetrachloroethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Isobutanol	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Methacrylonitrile	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
Propionitrile	EPA-624	<100	ug/l	JF-BZ-29	12/27/01
Bromochloromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
1,3-Dichloropropane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
2,2-Dichloropropane	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,1-Dichloropropene	EPA-624	<10	ug/l	JF-BZ-29	12/27/01
1,2,3-Trichloropropane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Trichlorofluoromethane	EPA-624	<5	ug/l	JF-BZ-29	12/27/01
Tentatively Identified Cmpnds	EPA-624	None	Found	JF-BZ-29	12/27/01

APPROVED BY: *R. Aldrich*
Report date: 01/15/02



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Client Name: Norlite Corporation
Sample ID: 121801

Sample Date: 12/18/01
Lab Sample ID: 011218K-01

Semi-Volatile Organics Tentatively Identified Compounds

<u>Compound</u>	<u>Retention Time (min)</u>	<u>Estimated Concentration (ug/L)</u>
tert-Butyl Phenol	16.23	4
Unknown Oxygenated	28.24	29

Approved: _____

Lara Danil

01/15/02