

ADDENDUM TO PERMIT  
FOR A SOLID WASTE MANAGEMENT FACILITY

PERMITTEE Norlite Corporation  
Mr. Pual R. Kneuer, President  
ADDRESS P.O. Box 694, Cohoes, NY 12047

PERMIT NO. 0868 ADDENDUM NO. 1

PERMIT EXP. DATE 10/1/86 ADDENDUM ISSUE DATE 10/24/84  
UPA #41830137. Facility #01-H-01

ISSUING OFFICER

SIGNATURE

William R. Adriance

William R. Adriance

Alt. Regional Permit Administrator

NOTICE - The Permit identified above is hereby  
modified by addition of the following Items:

1. The installation and operation of 4 ( four) 24,000 gallon low grade fuel (solvent waste fuels) storage tanks and appurturances according to Stetson-Dale LGE System Plan Sheets 1 to 11 dated 2/24/84, Report for additional LGF Storage Tank installation dated 2/29/84, response to comments on additional LGF storage tank installation dated 7/20/84, Galvanic anode cathodic protection system specification standard (9 pages) and the applications for approval to construct and operate the Norlite Low Grade Fuel Storage received 11/2/83 (attached).
2. The Norlite Special Conditions of NYSDEC Air Resources permit number 01030029600002WI dated June 7, 1983 are made a part of this Part 360 permit by reference.

SEQR NOTE: The review of this permit amendment request has considered its total impact on the environment. The City of Cohoes Department of Community Development has determined that this Unlisted Action will not have a significant effect on the enviroment.

## NORLITE SPECIAL CONDITIONS

### I. On-Site Monitor

- A. Norlite will pay 3, 170.00 semi-annually to D.E.C. for employment of an environmental monitor.

### II. Operating Parameters and Instrumentation

- A. Audible or visual alarms will be tripped and waste fuel feed to the kiln must be stopped in the event of:
  - 1. Burning zone temperature below 2200°F (1200°C) for a period of 5 minutes or more. Shut-off will be automatic.
  - 2. Major loss of draft in firing hood.
  - 3. A power failure. Shut-off will be automatic.
- B. The burning of waste fuel will be monitored by the burner operators assigned to each kiln and the combustion of waste fuel will be stopped in the event of any of the following:
  - 1. Exhaust gas oxygen content is less than 3.0%
  - 2. Exhaust gas carbon monoxide content is more than 0.01% (100 ppm).
  - 3. Water flow to the Venturi Scrubber is less than 80% of design. The flow will be checked and recorded once per day.
  - 4. Water flow to the Multiuane Spray Scrubber is less than 80% of design. The flow will be checked and recorded once per day.
- C. Norlite will maintain full-time continuous monitoring for O<sub>2</sub>, CO, waste fuel feed rate and burning zone temperature.

### III. Testing and Sampling

- A. Until such time that stack test results and air dispersion modeling show that contaminant level changes are appropriate, the following concentrations in the waste fuel will not be exceeded.

<u>CONTAMINANT</u>	<u>CONCENTRATION</u>	<u>PPM BY WEIGHT</u>
Arsenic	Maximum	(by weight) 1.7%
Barium	Maximum	440.0
Beryllium	Maximum	15.0
Cadmium	Maximum	84.0
Chromium	Maximum	490.0
Copper	Maximum	200.0
Lead	Maximum	680.0
Mercury	Maximum	4.5
Nickel	Maximum	440.0
Selenium	Maximum	0.36
PBB, Herbicides, Pesticides	Maximum	5.0
Sulfur	Average	(by weight) 2.0%
Organic Halogens	Maximum	3.0
Heating Value	Maximum	8000 BTU/lb
Ash	Maximum	8.0

B. Waste fuel containing higher contaminant levels, may be burned on a prorated basis at flow rates lower than 600 gallons per hour per kiln provided suitable waste fuel flow rate indicating equipment is installed.

C. No waste fuel subject to PCB hazardous waste regulations, as described in Federal 40 CFR Part 761, Section 761.10, is to be received, blended, or burned.

D. The following sampling and analysis procedure will be followed for all waste fuel shipments received:

1. Two representative samples must be taken from each shipment of waste fuel received.
2. One sample will be properly identified and stored in a glass container with a teflon lid for possible future analysis. This sample must be retained for at least 3 months.
3. The second sample will be added to a composite of samples from 40 shipments. Until the additional fuel storage tanks are in use, a composite of 20 shipments will be analyzed for PCB's and a composite of 40 shipments will be analyzed for heavy metals.
4. Each completed composite will be analyzed for the contaminants listed under III A and reported to the Department of Environmental Conservation's Region IV office within 30 days of the completion of the composite.

5. Each sample taken shall also be analyzed in the Norlite Plant laboratory for:
  - a) Specific Gravity
  - b) Total Organic Halogens
  - c) Heating Value
6. Norlite will pre-screen all waste fuel for PCB's before burning in kiln #1 or #2. This will be accomplished by installing four additional 24, 000 gallon fuel storage tanks. When each tank is filled, a sample will be taken and analyzed for PCB's. The waste fuel in the tank will be burned only when the results of the analyses are received by Norlite. A log will be kept by Norlite personnel indicating; for each tank; shipments received, analyses results, and dates waste fuel was burned. Copies of the analyses results will be provided to the D.E.C. Region IV office.

MSS/djp-2MS36

FACILITY NO. 01-H-01

0868

EXPIRATION DATE

10/1/86

**PERMIT**

Under the Environmental Conservation Law, Article 27, Title 7, Part 360

☐ CONSTRUCTION  
☒ OPERATION☐ INITIAL ISSUE  
☐ RENEWAL☐ REISSUANCE  
☐ MODIFICATION

PERMIT ISSUED TO

Norlite Corp.

ADDRESS OF PERMITTEE

628 S. Saratoga St., Cohoes, NY 12047

TELEPHONE NO.

(518) 235-0401

LOCATION OF PROJECT

Town

Cohoes

County

Albany

Environmental Conservation Regional Office

IV Schenectady

DESCRIPTION OF PROJECT

Storage and Incineration of Low Grade Fuels

ON-SITE SUPERVISOR

M. Bottalico

**GENERAL CONDITIONS**

1. The permittee shall file in the office of the Environmental Conservation Region specified above, a notice on intention to commence work at least 48 hours in advance of the time of commencement and shall also notify said office promptly in writing of the completion of the work.
2. The permitted work shall be subject to inspection by an authorized representative of the Department of Environmental Conservation who may order the work suspended if the public interest so requires.
3. As a condition of the issuance of this permit, the applicant has accepted expressly, by the execution of the application, the full legal responsibility for all damages, direct or indirect, of whatever nature, and by whomever suffered, arising out of the project described herein and has agreed to indemnify and save harmless the State from suits, actions, damages and costs of every name and description resulting from the said project.
4. All work carried out under this permit shall conform to the approved plans and specifications. Any amendments must be approved by the Department of Environmental Conservation prior to their implementation.
5. The permittee is responsible for obtaining any other permits, approvals, easements and rights-of-way which may be required for this project.
6. By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with Part 360 and the special conditions. Any variances granted by the Department of Environmental Conservation to Part 360 must be in writing and attached hereto.

**SPECIAL CONDITIONS**

(SEE ATTACHED SHEET)

ISSUE DATE

October 8, 1981

ISSUING OFFICER

Irving L. Bonsel, P.E.

SIGNATURE

X

PERMITTEE COPY

SPECIAL CONDITIONS

Norlite Corporation  
628 S. Saratoga Street  
Cohoes, New York 12047  
Facility #01-H-01  
Permit #0868

1. This permit supersedes and invalidates N.Y.S. D.E.C. Part 360 Permit #0839, issued November 14, 1980 for operation of your Solid Waste Management Facilities. The scope of this permit will cover both storage and incineration of the Low Grade Fuels (L.G.F.) in Kilns #1 and #2.
2. This facility shall be operated in strict conformance with plans and reports submitted April 30, 1980 (modified on June 12, 1980) and June 22, 1981 except as modified by special conditions contained in this permit.
3. The maximum amount of L.G.F. to be stored on site is 48,000 gallons in the two underground storage tanks. No drummed wastes shall be stored at the facility without first obtaining Departmental approval.
4. Only L.G.F. (solvents) delivered by waste haulers possessing a valid Industrial Waste Collector (Part 364) Permit shall be accepted. Said permit shall be waste and site specific.
5. All sludge and solid residues generated by facility operations shall be considered hazardous waste and disposed of at an approved hazardous waste facility. All provisions of any other applicable part of the Environmental Conservation Law shall be complied with.
6. Operation of the facility shall not cause ambient air quality standards as specified in 6NYCRR Part 257 or your Certificate to Operate an Air Emission Source, to be exceeded.
7. Operation logs, manifests, shipment and laboratory reports shall be maintained on site and made available for Department inspection. In addition, quarterly reports shall be submitted to the Department within 15 days of the first day of January, April, July and October. This report shall include the volumes of waste solvents brought to the site; a breakdown by transporter and source of material shall be provided. Also to be included with the report is a daily breakdown of times when the L.G.F. was being incinerated as compared to fuel oil, material gas and/or coal along with any problems encountered.
8. The two underground storage tanks shall be tested annually for integrity by the Kent-Moore or equivalent. A copy of the test results should be submitted to this office for the record.
9. Inspections of the facility and all records be duly authorized and appointed inspectors of the Department or of the Albany County Health Department shall be allowed by the permittee.

**SPECIAL CONDITIONS**

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10. The surety bond posted for eight thousand dollars (\$8,000.00) as special condition #6 of the now invalid New York State Department of Environmental Conservation Permit #0839 shall hereby remain in effect for this permit.