

Air → 1994.09.06 Soil Sement Approval

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

REGION 4 HEADQUARTERS
1150 NORTH WESTCOTT ROAD
SCHENECTADY, NEW YORK 12306
(518) 357-2069
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**LANGDON MARSH
COMMISSIONER**

September 6, 1994

Edward Burgher
Director of Compliance
Norlite Corporation
628 So. Saratoga St.
PO Box 694
Cohoes, New York 12047

RE: DEC # 4-0103-16
373 HW/APC, APC, SPDES
Permit Modification-Soil Sement
Light Weight Aggregate Facility
Cohoes-C, Albany Co.

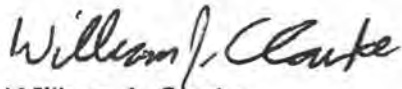
Dear Mr. Burgher,

Your request of 6/29/94 to use Soil Sement as a dust palliative on Norlite's internal roads is approved as a modification to your Fugitive Dust Control and Best Management Practices Plans incorporated by reference into this facility's 373 Hazardous Waste/Air Pollution Control and other APC Permits as well as the SPDES Permit. This approval is subject to the following permit conditions which are in addition to those already found in these permits:

- 1) All fugitive dust sources at the Norlite facility shall meet at all times a performance standard of no greater than 10% opacity at the source and no fugitive dust past the Norlite property line.
- 2) Application of Soil Sement shall be done in accordance with attached special conditions 1 - 4 dated 5/17/90. Given that the entire area is served by public water supplies and the Norlite site does lie near any known water supply wells of any type which could be affected by the use of Soil Sement, Special Condition 5 is being waived at this time but can be imposed at any time if deemed necessary by the Department.
- 3) The use of Soil Sement can be discontinued at any time and the exclusive use of water required at the direction of the Department if it is determined Soil Sement is not effective at meeting the fugitive dust performance standard, complying with the Fugitive Dust Control and Best Management Practices Plans or if its use is causing an impact to surface waters, groundwaters, fish, wildlife, surrounding properties or area residents.
- 4) Norlite must apply for and receive approval from the Department to continue to use Soil Sement past 12/15/94.

If you have any questions please feel free to contact either Bob Warland or myself.

Sincerely Yours,



William J. Clarke
Regional Permit Administrator
Region 4

NORLITEMOD.694\NORLIAPC.001

CC: E. Rich
R. Warland
C. Lamb-LaFay
S. Saraiya

CONDITIONS FOR USE OF SOIL CEMENT (REGISTERED TRADEMARK OF
MIDWEST INDUSTRIAL SUPPLY, INC.)
WITH DETERMINATION OF ENVIRONMENTAL COMPATIBILITY BY NEW
YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION IN
CONSULTATION WITH THE NEW YORK STATE DEPARTMENT OF HEALTH, FOR
THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION
APPROVED MATERIALS LIST (UNTREATED RUNOFF)

May 17, 1990

1. To prevent the movement of uncured SOIL CEMENT into the environment via precipitation, no application shall be conducted when the National Weather Service (or other forecaster with demonstrated 24 hour forecast accuracy of at least 85%) forecasts rain or sleet in the application area to occur with the following time periods after the planned application:
 - (a) 15 hours when the surface air temperature during the time of curing is forecast to be equal to or less than 50°F;
 - (b) 8 hours when the surface air temperature during the time of curing is forecast to be greater than 50°F throughout the 8 hour period.
2. Applications shall only be made on dry* surfaces.
3. The dilution ratio shall be nine parts water to one part SOIL CEMENT.
4. The maximum application rate (for slopes) shall be ten gallons of the diluted product per 40 ft².
5. To minimize the potential for ammonia contamination of ground water resources at the time of application: At least 30 days prior to proposed application, the applicator shall notify, in writing, the DEC Regional Water Engineer (RWE) to ascertain whether the proposed area is a ground water recharge area. If so, the soil type and depth of the aquifer in that area will need to be ascertained. If it is determined that ammonia will not reach the aquifer,

* The DOT definition of "dry" is as follows:

- Fine grain soil (such as clay) is dry if it does not significantly change shape during application of manual pressure.
- Course grain soil (such as sand or gravel) is dry if individual particles flow easily when poured.

application shall be allowed pursuant to the conditions contained herein. The applicator should provide all relevant information to the RWE to assist in the determination.

If the use of SOIL SEMENT is considered urgent, the applicator may phone the RWE prior to application, followed with a letter of explanation (after application, if necessary). That letter shall justify the use and explain the urgency. If the RWE is not available and the urgency is extreme, the applicator may phone the DEC Spill Hotline at 1-800-457-7362 (toll-free in state) or 1-518-457-7362 (from out-of-state) to relay all pertinent information, followed by the letter of explanation to the RWE.

This condition may be eliminated in the future if the company can prove to the DEC Central Office that no constituents of the product (particularly ammonia) will penetrate more than two feet of gravel or sand.

Norlite Corporation



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P.O. BOX 694
COHOES, N.Y. 12047
TEL.: (518) 235-0401
FAX.: (518) 235-0233

June 29, 1994

Mr. William Clarke
New York State Department of
Environmental Conservation
Region 4
1150 North Westcott Road
Schenectady, New York 12306

Dear Mr. Clarke:

Per conversations between the Department's Mr. Robert Warland and Norlite's William Voshell and in correspondence between Mr. Warland and Mr. Voshell, Norlite is providing this notification that we intend to use a dust palliative on plant roadways. The palliative, trade named "Soil Sement" that Norlite has selected was has been previously approved by your department and the New York State Department of Transportation.

Application of this substance is expected to substantially reduce the effort required to water plant roadways, thereby, reducing costs while still providing excellent dust control. Because of the cost savings, Norlite would like to begin using this substance as soon as possible, preferably before the thirty (30) day prior notice period has elapsed. This material has already been procured and use can start immediately upon the Department's approval. Norlite would prefer to start the application during the week of July 5, 1994.

Norlite intends to apply "Soil Sement" at approximately a 9:1 water:"Soil Sement" ratio as recommended by the manufacturer. The palliative will only be applied when weather conditions are expected to be favorable, e.g., at least 24 hours of fair weather conditions after application. To test the efficacy of the palliative, the most heavily traveled roadways in the plant will be coated first, and other routinely traveled roadways will be covered as supplies allow. After the first application, inspection of the roadways will be performed regularly to optimize application rates and frequency.

Norlite appreciates your assistance in our continuing effort to minimize impacts on our neighbors. If any other information is required, or if I can help expedite the approval of





this dust control agent, please call me.

Sincerely,

A handwritten signature in black ink that reads "Edward C. Burgher".

Edward C. Burgher
Director of Compliance

cc:

NYS DEC: R. Warland

Norlite: D. Robinson, C. Woods

file: co-94079.ltr