

Subject: Chemolite Landfill
Meeting Minutes and
Status Report

CC: *D. Pederson/*B. James - #18
*D. Johnson/L. Houdek - #71
*M. Santoro/G. Weum - 22-Chemolite
*L. Ludford - 224-4SW
*L. Cramer/M. Bolduc/J. Ling - #58
*B. Sweet - 220-11E
J. Stoker - #45
*C. Goldsmith/B. Kramer - #45
*H. Van Noordwyk/*R. Susag - #58
*R. Granovsky - 220-2W
*A. Lehman - #67

File: Chemolite Sludge Disposal

May 8, 1978

*Attendees

1. COTTAGE GROVE

On Wednesday, May 3, at 9:30 AM a meeting was held to discuss the permit application for Cottage Grove (a copy of application is attached). At Noon, Clare Goldsmith, Bob Granovsky, Russ Susag, and Mike Santoro had lunch with Rick Lewis, Carl Meissner, and Roger Peterson; discussed our sludge problem; and presented our application to them. A detailed account of the meeting is being issued by R. Granovsky. In summary, the reception was favorable, our permit will go before the Council in early June, and they will postpone consideration of their landfill ordinance until late June.

Action Items: 1. Work with Cottage Grove officials and consultant engineers as required on the permit application.
2. Prepare comments and recommendations on the proposed ordinance.

2. MPCA

A meeting was held Monday, May 1, with the MPCA. Present for 3M were B. Kramer, H. Van Noordwyk, M. Osborne, and M. Santoro. We explained our problem with the Cottage Grove permit application and asked for a letter of approval concerning our planned interim solution with no mention of hazardous. The representatives of the MPCA at the meeting; Jim Hansmeyer, Tom Clark, Dan Comeau, and John Mentor, seemed agreeable, but the letter we will be receiving from Bruce Brott, the acting head of the Solid Waste Division, will mention that some of our material would be considered hazardous by the proposed regulations. It also requests our permit application by May 22. Copies were sent out to Washington County, Cottage Grove, and the Metropolitan Council. Copy of letter is attached.

Exhibit
1171

State of Minnesota v. 3M Co.,
Court File No. 27-CV-10-28862

5/10

Action Items: Prepare MPCA permit application.

3. EXISTING LANDFILLS

Contact was made with Wisconsin DNR. They will send us information on existing landfills, existing regulations concerning landfills, and proposed changes to the regulations.

Waste Management, one of the nation's largest landfill operators, owns a landfill in Anoka and a hazardous waste landfill in Chicago. They would be interested in operating a hazardous waste landfill in Minnesota.

Action Items:

1. Send sludge and ash samples to Waste Management for analysis.
2. Investigate rail transportation instead of truck.
3. Continue to check existing landfills.

4. CHEMOLITE EXISTING LANDFILL

To gather information and protect the plant water supply, two things should be done. First, two monitoring wells should be drilled: one between existing Well No. 4 and the landfill and the second toward the river. Secondly, the bottom of the pit that is still exposed should be clay lined and some form of leachate collection added. This would intercept a majority of the leachate that would come in contact with the sludge and incinerator ash.

Action Item: Estimate cost to install monitoring and leachate collection.

5. NEW SITE EVALUATION

Minimal effort to date.

Action Items:

1. Information on potential sites from Geology.
 - A. Pine County.
 - B. Iron Range.
 - C. East Chemolite Property.
2. Design and cost estimate for facilities.
 - A. Leachate collection and treatment.
 - B. Truck versus rail transport.
 - C. Site capacity.

6. SLUDGE DEWATERING

Samples of wastewater sludge and iron oxide were dewatered using a high pressure pilot filter. Dewatered and original samples were submitted to Environmental Lab for analysis. Rough calculations indicated at least 50% solids. A larger pilot device should arrive within a week or so and additional testing will be done.

The lab has completed the analysis of the BTU value of the dry sludge, and the heat requirement calculations to either incinerator or dry the sludge are underway.

- Action Items:
1. Evaluate samples on the larger pilot pressure filter.
 2. Estimate dryer and/or incinerator costs.

7. WASHINGTON COUNTY

Existing ordinance requires landfill site to be more than 1000 feet from a flowage and 300 feet from a river, stream, or delineated floodplain. It also requires immediate covering of "hazardous" wastes with at least 36 inches of cover material. Permanent records are to be maintained. Fees for a "hazardous" waste facility are as follows: permit application, \$100; first year \$1,000, and subsequent years \$500.

The current Chemolite site falls within 1000 feet of the federal river flowage delineation. It is not likely that we will be able to cover all the "hazardous" material immediately with three feet of flyash in addition to mixing it with flyash.

Action items: Check variance requirements in Washington County.


J. M. Osborne/mk

Attachments

CITY OF COTTAGE GROVE

APPLICATION FOR RUBBISH DUMP

Fee _____
Date _____
Paid by _____
Received by _____

City Council Action
Approved _____
Denied _____
Date _____

1. Applicant 3M Company Phone 458-2129
Address P. O. Box 33131 St. Paul, MN 55133 (Chemolite Plant)

2. Description of site: (Attach copy of site plan.)

Location Chemolite, Cottage Grove, Minnesota

Site plans attached.

3. Zoning classification of property. I-3

4. Specify the type of material to be disposed of in the rubbish dump.
(Chemical analysis may be required.)

Boiler and incinerator ash and wastewater and iron

oxide sludge.

Compositional analysis attached.

5. Is any of the above listed material considered "hazardous" by the
Minnesota Pollution Control Agency? Attachment

6. Operations Plan: Include a description of the procedures to be
used to insure that the rubbish will be disposed of without causing
environmental hazard or nuisance.

7. Reclamation Plan: Include a description, with drawings, of the
reclamation plan of the proposed rubbish dump site.

Signature _____ Date _____
Applicant