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July 31, 1995

SCANNED

Mr. Michael H. Corbin, P.E.
Roy F. Weston, Inc.,
1 Weston way
West Chester PA 19380-1499

Sub: **Closure Plan Approval for Wastewater Ponds at Plants 1 and 2**
3M-American Lava/GE Ceramics/AlSiMag Facility, Laurens County SC.

Dear Mr. Corbin:

Reference is made to Roy F. Weston, Inc.'s Closure Plan Volumes I and II of August 1994 for the above WWTP Ponds and the two Section 5 Addenda dated May 1, 1995 and June 2, 1995.

Following review of the above by this office, the geohydrology section and the Bureau of Solid & Hazardous Waste Management, the closure plan and addenda are hereby approved subject to the following conditions:

1. All groundwater related issues shall be coordinated with and in accordance with requirements of the Bureau's Geohydrologic Section as a part of the on-going groundwater assessment and management at the site.
2. The attached 'Standard Reporting Form For Construction Sites Disturbing 2 Acres or Less' describing applicable erosion control plans (re-grading, sediment control, cover crop establishment and wetland preservation) shall be filed with the Bureau's Stormwater Section before closeout operations are begun.
3. The District office shall be (a) allowed the option of a site inspection before any closeout construction is begun and (b) notified within two (2) days of commencing closeout operations.
4. All stabilized sludges hauled out of the site shall be disposed off in accordance with the Bureau of Solid & Hazardous Waste Management's regulations and as per the receiving facility's approval conditions.

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Control Bureau of Solid & Hazardous
Waste Management

5. All fill material shall be compacted to at least 85 percent of the Modified Proctor Density determined by ASTM D-1557 compaction test and covered by (a) a minimum 18 inch thick layer of clay with a coefficient of permeability less than 1×10^{-6} cm/sec and (b) a minimum 6 inch thick layer of topsoil on which vegetation shall be established. The final grading shall allow positive drainage away from the closed ponds and aesthetically conform with the local terrain.
6. Once closeout operations have begun, they shall be continuous until the closeout is completed. Failure to properly proceed and/or complete the closeout will result in referral to the enforcement section of the Bureau.
7. All closure activities are to be completed within three (3) months of receipt of this approval. Any extension must be requested in writing at least two (2) weeks before expiration and must include justification for the request.
8. Upon completion of operations, the District Office shall be requested for an approval inspection. Areas around the facility shall remain secured until closeout completion is acknowledged by a written approval from the District Office
9. A summary of the closeout operation shall be mailed to the BWPC Enforcement Section at this address and copied to this office within three (3) weeks of issuance of the closeout approval. The summary shall include dates, volumes of water pumped, hazardous / non-hazardous stabilized sludges & soils removed from the ponds & where they were disposed off, volumes of fill used for each pond and a description of vegetation establishment over the topsoil.
10. The Permittee (3M/GE/AlSiMag Technical Ceramics) shall be responsible for (a) any remediation measures proven necessary by groundwater monitoring reports and (b) abatement of any nuisance generated at the facility such as dust, odor, flies etc. within a time frame designated by The Department.

Please feel free to call me at 803/734-4956 if you have any related questions.
I will be glad to assist you.

Sincerely,

Murali C. Koppa

Murali C. Koppa
Environmental Engineer Associate
Industrial Wastewater Section, BWPC;

CC: Upper Savannah EQC District
Gina Lowman, WPC Enforcement
Tom Knight, WPC Geohydrology
Harold Seabrook, BS&HWM