

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 7
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March 2, 2016

Mr. David Plumeau
Cargill Deicing Technology
PO Box B
191 Portland Point Rd
Lansing, NY 14882

RE: DEC #0-9999-00075/00001
3rd Notice of Incomplete Application
Cayuga Salt Mine Shaft #4
Town of Lansing, Tompkins County

Dear Mr. Plumeau:

This is in response to your submittal received February 1, 2016. Department staff has reviewed that new information and request that a response be made to the following questions.

Please evaluate the potential impacts associated with Shaft #4 water/brine disposal in Units 58 and 60. It is our understanding that a temporary sump will be constructed to collect the pilot hole, construction, and shaft water. This water/brine then will be pumped to U60 and U58 for storage. Up to 75 gpm can be pumped and it is expected that 5.5 million gallons will be generated. It was noted that U58 and U60 can handle over 13 million gallons of water without roofing. Over the history of Department review of the Cayuga Mine, increase in closure rates have been attributed to increased humidity from minor water/brine spills, placement of moist fines, and increased operation of diesel engines in a particular area.

Specifically, please evaluate potential impacts relating to:

1. The location of the Level 5 test panel above U62, and the proximity to the adjacent water/brine disposal area in U60;
2. The historically rapid closure rates to the south in U54C, D, and E, and especially U40;
3. The presence of the anomaly to the north; and
4. What are the anticipated effects on global mine stability due to the increase in moisture.

Also, relating to the muck placement:

5. Can a specific location for placement be identified;
6. What will be the volume of muck, and how will it be placed;
7. What is the estimate of the muck's water content; and
8. Again, due to the moisture content of the muck, what are the anticipated effects on the mine.

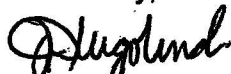


Department of
Environmental
Conservation

This information is deemed necessary for technical review by Minerals staff and to support a SEQR negative declaration. It is anticipated that your satisfactory response will result in a complete application and then public notice may proceed.

If you have any questions concerning this request please contact me at your convenience.

Sincerely,



Joe Dlugolenski
Deputy Regional Permit Administrator
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