



Cargill Salt – Road Safety  
P.O. Box B  
Lansing, NY 14882

January 11, 2023

New York State Department of Environmental Conservation  
Division of Environmental Permits  
NYSDEC Region 7 Headquarters  
615 Erie Boulevard W Syracuse, NY 13204-2400

RE: Utilization of Southern mining region for storage of brine water at the Cayuga Salt Mine  
Permit ID#0-9999-00075-00001, MLR 70052  
Towns of Lansing and Ulysses, County of Tompkins  
Town of Covert, County of Seneca

Dear Mr. Rigley:

The NYS DEC MLR Permit # DEC 0-9999-00075, MLR 70052 includes *Reporting and Notifications section 17.a.vi: Information regarding the source and volume of any water inflow into the mine, and the disposition of such water.*

The Cayuga mine's primary water (mine inflow) storage has historically been in abandoned workings on 4-Level. Consistent with historical practice, Cargill plans to establish a water storage area in the abandoned S3 mains and adjacent E3-E9 panels at the south end of the mine. The sources and volumes of water to be stored in S3 workings have not changed and are expected to remain at a combined inflow of 30-35gpm.

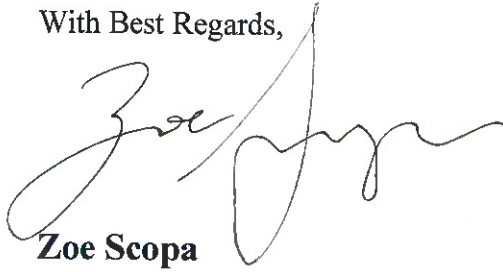
Cargill partnered with Agapito Associates to investigate the geomechanical impacts of flooding the S3 workings. Agapito's work compared a model of gradual localized claystone roof deterioration from water storage to a baseline model without water storage. The investigation indicates that water storage in the south workings will not have an adverse impact on global stability or endanger the interests of the State of New York or the environment. The study results also indicate that confinement pressure from the water storage imparts slightly higher stability to the workings compared to the baseline (no water storage) scenario.

Cargill has sent copies of Agapito's investigation to JT Boyd for their review.

Cargill intends to start storing water in the Southern region in February of 2023.

If any questions arise on the matter please bring them to my attention at your earliest convenience.

With Best Regards,

A handwritten signature in black ink, appearing to read 'Zoe Scopa', written in a cursive style.

**Zoe Scopa**

*Senior Mine Engineer*

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