

**From:** [Carl Spadaro](#)  
**To:** [Svitek, Sharon](#)  
**Cc:** [Bob Shawver](#)  
**Subject:** [External] MAX Yukon Landfill 7 Mine Void Question  
**Date:** Monday, January 30, 2023 4:44:20 PM  
**Attachments:** [image001.png](#)  
[MAX letter to DEP on Yukon Facility Mine Void Question.pdf](#)

---

***ATTENTION:** This email message is from an external sender. Do not open links or attachments from unknown senders. To report suspicious email, use the [Report Phishing button in Outlook](#).*

Sharon,

CEC will be submit a complete response to DEP's second technical review letter. Regarding the mine void question included in that letter, we decided that since this is not a Phase 1 siting criteria issue but is of interest to DEP and was raised at the December 1 public meeting that we would address this separately in the attached letter. Any questions on this, please let us know.

*Carl Spadaro*  
Environmental General Manager  
MAX Environmental Technologies, Inc  
McCandless Corporate Center  
5700 Corporate Drive, Suite 425  
Pittsburgh, PA 15237  
412-445-9789 (Cell)  
[cspadaro@maxenvironmental.com](mailto:cspadaro@maxenvironmental.com)  
[www.maxenvironmental.com](http://www.maxenvironmental.com)





January 30, 2023

Via Electronic Delivery

Sharon Svitek  
Program Manager  
Bureau of Waste Management  
Pennsylvania Department of Environmental Protection  
Southwest Regional Office  
400 Waterfront Drive  
Pittsburgh, PA 15222

RE: MAX Environmental Yukon Facility  
Hazardous Waste Landfill No. 7 Permit Application  
Mine Void Stabilization  
I.D. No. PAD004835146

Dear Ms. Svitek:

In its December 16, 2022 comment letter on our Landfill 7 permit application, DEP mentions the presence of coal voids beneath the proposed landfill. The presence of some voids is well documented and initial discussions to address them have been in the planning stage for many months. The specifics of the landfill design will be provided the Phase 2 portion of the permit, as this issue is not part of the Phase 1 sitting criteria.

We will be proposing mine grouting stabilization rather than removal of coal (including the barrier pillar of coal that bisects part of the facility property) and other mine materials. Grouting stabilization of subsurface mine voids is conventionally accepted practice in civil engineering to mitigate the potential for settlement and/or subsidence. DEP has permitted this method for other regional landfills located above deep mine workings. The method to be proposed for the voids beneath Landfill 7 will be similar to the mine stabilization approved by DEP, and performed by MAX, for the construction of the leachate storage tank at our Yukon facility in 2017.



As always, MAX is ready to meet to discuss any outstanding issues DEP has or any clarifications regarding this project. If you have any questions or concerns, please let us know.

Sincerely,

A handwritten signature in blue ink, appearing to read "Carl Spadaro".

Carl Spadaro  
Environmental General Manager

cc: R. Shawver