

Memo

To: Jamie Lancaster, EPD Surface Mining Unit Manager
From: Don Dotson
cc: Saunders Demonstration Mine Project Team
Date: 2/25/2022
Re. Minutes of 23 Feb 2022 Meeting

Meeting Attendees:

EPD	TTL	Wood
Richard Dunn	Cindy House-Pearson	Don Dotson
John Eunice	Sheryl Reeves	Philip Marcum
Jamie Lancaster	Mark Tanner	
Audra Dickson	Jim Smith	
William Cook	Keith Reaves	
Sara Visser	Christopher Terrell	
Anna Truszczynski		
Chuck Mueller		

The meeting began at 11:00 am EST in the main conference room at the Georgia Environmental Protection Division (EPD). The purpose of the meeting was to clarify EPD requirements for the information needed to advance the mining land use plan (MLUP) to Public Notice. Director Dunn stated that since the MLUP will be for zero process water discharge, EPD was looking for sufficient documentation to address how this will be achieved. Specifically, EPD is expecting:

1. 100% Plans and Specifications for the Process Water Ponds to include:
 - a. Drawings:
 - i. Plan view of each pond
 - ii. Typical Cross-sections and details
 - iii. Liner Details
 - iv. Piping and Pump Details
 - v. Overflow alarms, pumping schemes, and generator locations/sizes
 - b. Specifications:
 - i. 312000 Earth Moving
 - ii. 331166 Site Water Distribution Piping
 - iii. 334713 Pond and Reservoir Liners

Continued...

(A detailed specification for pumps is not necessary if the pump number, type, and capacity are shown on the drawings.)

2. In addition, EPD would like to see changes to the Mine Land Use Plan to incorporate:
 - a. Water balance calculations for pond sizing including detention time in each pond
 - b. Contingency plan for managing process water
 - c. Water Use Management/Operation Plan addressing
 - i. Schedule for onsite personnel and activities
 - ii. Dredging of ponds. Include schedule, discussion of where dredged material will be stored and/or disposed
 - iii. Operation and Maintenance standard operating procedures that will specify step by step details for maintaining freeboard. Include discussion for management before, during, and after adverse weather, such as hurricanes, tropical storms, etc.
 - iv. Groundwater management plans during and after construction of the ponds.
 - v. Liner flotation
 - vi. Disposition of liner at project closeout
 - vii. Removal of statements required additional design to be performed by “the Engineer of Record” as the additional specifications will be included in the Land Use Plan.
3. Remediation & abandonment plan
 - a. Including disposition of remaining water in ponds.
 - b. Include the timeline for final closure of the ponds as discussed in the remediation plan.

Once the above items have been received and reviewed and EPD has no follow up questions to the documentation received, EPD will be ready to proceed to Public Notice with the MLUP.