
Memorandum

Date: March 28, 2024
Prepared By: John W. Morast, PE
Project: City of St. Augusta, MN
Rice Contracting Pit
Subject: Rice Contracting Mining Re-Review Memo

Following the application from an engineering perspective, the SWPPP plans submitted 21MAR24, have been review against the 23FEB24 engineering review memo and the 23FEB24 planning review memo.

Plans were reviewed including SWPPP plans and report, stormwater calculations, legal description and previous memos requestions additional information.

Engineering offers the following comments:

- The General NPDEA construction permit has an estimated completion date of 05MAY2023, with no termination date shown
 - o Provide current MPCA documentation the permit is still current.
- For MS4 permit requirements
 - o Applicant shall comply with all applicable City stormwater requirements
- Applicant has indicated they are a sand and gravel operation
 - o Applicant shall comply with all MPCA Aggregate – sand and gravel requirements.
- Provide contact information for the SWPPP Coordinator, as listed on sheet C1.
- Temporary Berm for Screening
 - o Berm scales at 48-feet wide. The typical perimeter berm profile in the standard details shows a 4:1 slope. For a 6-foot tall berm including the 4-foot top of berm, the minimum berm width is 52-feet.
 - o Provide a screening berm detail, show the correct size berm on the plans and locate it within the boundary of the site (or provide written authorization to provide it outside the site if that location is necessary.
- All equipment access to the site shall be via the gravel pad entrance at the northeast corner of the site. If additional access are required, additional construction access will need to be submitted for approval prior to use.
- All sediment ponds and berms shall be constructed prior to any surface water runoff is directed of flows in the direction they are required.
- Provide a noise and dust plan.
- Maintain berms with a 100-foot buffer from property line, unless specifically allow by City.
- Entrance area slopes are less than 20%. However, western property line slopes are approximately 25%. Confirm slopes can be greater than 20% or reduce slopes to 20% or less.

The submitted revised SWPPP includes Existing Conditions (Plan A), Proposed Operations (Plan B) and End Use Plan (Plan C) elements.

Plan A

- Existing drainage patterns are required. While drainage flow arrows were not provided, existing contours are included on the SWPPP plan to help determine drainage patterns. In addition, no drainage is leaving the site during operations and will be collected in the proposed temporary sediment ponds.

Plan B

- Mining staging and progression is to be shown. A narrative has been added that mining operations will be conducted from the southeast to the northwest to help maintain drainage to the sediment ponds.

Plan C

- A reclamation staging plan is required.
 - o Notes have been added to the plans that the entire area will be mined before reclamation begins. Reclamation will include grading to the proposed contours and 6-inches of topsoil to be added. Once completed, site will be restored to agricultural cropland.