

TECHNICAL REVISION (TR-03)
HEINTZELMAN PROJECT (PIT 116): PERMIT NO. M2009018
Varra Companies, Inc.

The purpose of this Technical Revision is to provide updated text and maps of the Heintzelman Project (Pit 116) Mining and Reclamation Plans to reflect the current changes from the originally approved permit in 2009. The site is divided into 3 mining areas: Tract A, Tract B and Tract C. The project permit was previously amended to modify the route of a conveyor belt along the eastern boundary of the site in 2011 as Amendment No. 1 (AM-01). In addition, within Tract C, a Partial Acreage Release of 1.95 acres, as well as, a Technical Revision, that revised the boundary of a single-family residence, were both approved in 2023. Excavation of the site has been completed. The specific status of each tract is outlined below:

Tract A: Pit slopes have been backfilled and sealed with a clay liner. Documentation related to leak testing of the liner (from the State Engineer's Office) is included as Attachment A. The regraded slopes are stable with no evidence of erosion features. Re-vegetation of the perimeter of the pond will occur with final reclamation, consistent with the seed mix specified for ground cover on the original Landscape Plans. Kerr-McGee and Anadarko gas well and lines located in this tract were removed and relocated, and a peninsula in the tract was mined through. The Extraction and Reclamation Plans, included within this Technical Revision accurately show these changes on the maps. Recent (September 13, 2023) topographic and aerial surveys were used as the basis for the updated maps. See Exhibit C-2: Extraction Maps and Exhibit F: Reclamation Maps.

Tract B: The excavated pit has been filled with sand from Tract C to eliminate long-term groundwater exposure. The area that was once a settling pond (northeast portion of Tract B) has been filled with sediment and native fill from the surrounding area. Rather than being reclaimed as a pond, the site will be graded and re-vegetated with the seed mix that is specified for ground cover on the Landscape Plans. See Exhibit C-2: Extraction Maps and Exhibit F: Reclamation Maps.

Tract C: The Operator does not intend to mine gravel from Tract C or to reclaim the area as a pond. The Tract has been used as a borrow area during the mining process. The site will be graded and re-vegetated with seed mix that is specified for ground cover on the Landscape Plans. Oil and gas wells within the tract have been plugged and abandoned, consistent with State requirements. See Exhibit C-2: Extraction Maps and Exhibit F: Reclamation Maps.