

PROJECT DESCRIPTION

BURROUGHS MATERIAL CORPORATION.

Proposed Springfield Township Site

May 16, 2025

OVERVIEW

The project objective is to extract natural resources from the Project Site to produce construction grade aggregates for sale to markets in the local metropolitan region, while shaping the land for productive post-mining use. Burroughs Material Corporation (BMC) believes there is a demonstrable internal (i.e., for their own use) and external need for the material at the project site.

The project site contains a reserve of sand and gravel resources which can be mined, processed, and sold with a reasonable expectation of financial return to support the local and regional construction industry. The local and regional market for sand and gravel will support a new operation on this site.

The anticipated short- and long-term environmental impacts are limited in significance, and BMC has proposed measures to reduce or eliminate the impacts that may be inherent in the mining process to ensure the project operates in compliance with applicable federal, state, and local laws and ordinances. There are no serious consequences on the local community and natural environment associated with the proposed sand and gravel mining operation.

The estimated extraction activity will take place in five distinct phases, which will be completed in approximately 20 years, subject to market conditions. Of the ±422-acre Project Site, ±238 acres are included within the Mining Area. The remaining ±184 acres of land are located in preservation areas or setbacks and will not be disturbed by sand and gravel extraction activity except for the construction of screening berms as indicated on the plans.

MINING PROCESS AND EQUIPMENT

Project Start-Up

Once the project is approved by Springfield Township, BMC will obtain the other permits necessary to initiate the project, including:

- General Permit for Industrial Storm Water Discharges, through the Michigan Department of Environment, Great Lakes, and Energy (EGLE).
- Soil Erosion and Sedimentation Permit, through the Oakland County Water Resources Commission
- Site Entrance and Roadway Construction Permit, through the Oakland County Road Commission
- Water Well and Septic Field permits, through the Oakland County Health Department
- Air Quality Permit, through EGLE
- Annual Mining Permit, through Springfield Township

These permits will be renewed and maintained as required by the permitting authority.

During the first year of operation, BMC will focus on constructing the entrance drive (and entry improvement at Ormond Road), installation of the scale, scale office, water well, and septic field, removing topsoil and overburden from Phase One of mining, and using the soils to construct the initial screening berms as indicated on plans. Equipment utilized during the topsoil and overburden stripping will include pan scrapers, excavators, trucks, and bull dozers. Erosion control measures will be implemented

and maintained as required by county permit. No topsoil will be removed from the project site.

A portable processing plant will be used during the initial mining of Phase One. Once the site for the proposed long-term plant is mined out, the new plant will be constructed at the pit floor, to reduce visual and sound impacts. The plant will sort, wash, and crush the raw aggregates to make construction materials meeting state and local specifications. The wash plant utilizes a closed-loop system, which recovers and recycles water used by the processing equipment. Well water is used to supplement the recirculating water as needed, given some process water is lost to moisture content of finished products; however, the closed-loop system significantly reduces the operation's reliance on the well and groundwater.

Subsequent Phases of Work

Prior to the creation of the proposed lake, BMC will be responsible for obtaining the following permit:

- Part 301 Inland Lakes and Streams Permit, through EGLE.

During the second phase of mining, construction of earth berms along the southern and southeastern setback areas will be built to mitigate visual and noise impacts. Prior to Phase Five the final berm along the northern and northeastern setbacks will be built.

Preparation of the land for mining during each phase will be done on an as-needed basis, leaving the existing land cover in place until removal is required for mining activities. Agricultural use of the unmined areas will continue during mining operations. To the extent possible, as soil is stripped from a new mining area it will be used to reclaim areas already mined.

Sand and gravel will be excavated using front end loaders, commencing at the base of the mining face, and working (generally) toward adjacent property lines. This approach uses the face of the mining activity as a noise and visual buffer for neighbors, reducing the observable presence of the mining activity. Front-end loaders will place the aggregate into hoppers, which feed belt conveyors that transport the raw material to the processing plant. Trucks may also be used on occasion to move aggregates to the plant.

To create the proposed lake a dragline crane, hydraulic crane, or floating dredge will be used to remove the raw aggregate, which is stockpiled on the pit floor, allowed to drain, and then loaded onto a conveyor or truck for transportation to the processing plant. This "wet" mining occurs within areas that have been previously mined "in the dry" as described in the paragraph above. The wet mining does not involve the pumping and removal of groundwater from the mining area.

Reclamation will be completed on an ongoing basis such that the area disturbed by mining at any one time will be limited to what is required for efficient, safe, and responsible operations, and as required by township ordinances. Reclamation will include establishing the grade of the site in compliance with township regulations, placing of topsoil, and landscape seed establishment.

At the completion of mining activity, site reclamation will result in a range of landform types and habitats, and a land shape conducive to recreational and/or residential development. During final reclamation work, land within the setbacks and buffer areas may experience minor landscape clearing and earth shaping to ensure a safe and smooth transition of grades; however, no such activity will impact regulated wetlands or land within the Natural Features Overlay District. At the close of mining operations, all reclamation efforts will be finalized and the processing plant, administrative office and related facilities will be removed from the Project Site. No mining equipment or debris related to the operation will remain.