

VINTON CONSTRUCTION COMPANY PROJECT DESCRIPTION

A temporary concrete batch Conditional Use Permit application has being requested to allow a batch plant to be sited to supply concrete for the Dane County Regional Airport South Terminal Project. The project has been awarded and is scheduled for construction in 2022 and 2023.

Siting:

The proposed location of the temporary concrete batch plant is located within the SW ¼ of the SE ¼ of Section 24, Town of Burke, Parcel ID# 0810-241-9000-4. The physical address of the site is 3262 Nelson Road. This portion of the property is located within the 200+ acre, a current permitted nonmetallic mining site owned by Madison Crushing and Excavating, Inc. The special permit area is comprised of approximately 10 acres in size.

Schedule:

Based upon the most recent project schedule from the General Contractor, Miron Construction, the batch plant will be in operation May 3 through May 23, 2022. In addition, Phase II was scheduled for January 11 through January 17, 2023. In reality, we anticipate Phase II to be completed in May of 2023.

The majority of the batching will be performed within four days of the first Phase of production in May of 2022.

Temporary Batch Plant Set Up:

Site grading and plant set up is typically completed within one business week. Typically, two to three employees will be onsite for this assemble. A mobile crane will be required to be on site for one day to assist in the assemble of the fly ash auger and the aggregate bin.

The setup of the batch plant is comprised of the moving of the parts of the batch plant which is comprised of 13 semi-truck loads – plant pieces and accessory equipment.

Water Requirements:

Typically, water for the temporary concrete batch is obtained on-site from exiting surface water or municipal water from nearby fire hydrants. For this project, we are planning to withdrawal water from an 9.4 acres pond to the north of the proposed plant location.

The water source will be required to be tested for suitability by the Wisconsin Department of Transportation (WDOT) to assure the source meets the WDOT standards for aggregate mix.

The water will be pumped utilizing an electric suction pump suction set up under a floating strainer. The water will be pumped to the plant utilizing 3.0-inch flexible fire hose.

Concrete Wash Containment Area:

Vinton Construction Company provides concrete washout containment systems for their portable batch plants. The wash water containment systems had been a recommendation by the Wisconsin Department of Natural Resources, for the General WPDES Industrial Stormwater Discharge Permit for our mobile unit 104. Permit No. WI-S067857-05.

Vinton Construction Company has implemented the use of constructed basins for the collection and settling of wash water from trucks hauling concrete for paving operations and the daily cleanup of concrete batch plants.

The basins are constructed of concrete at Vinton Construction Company owned properties and steel at temporary locations for portability.

Trucks pull up to the basin and utilize a water hose to wash residual concrete out of the truck box or drum. Water and aggregate materials are collected into the basin. Fresh water is utilized for washing until there is sufficient water in the basin. Once there is sufficient water, a pump draws water from basin to wash the next truck. Once truck is washed with recycled water, a low volume amount of fresh water may be used again to give a final rinse.

Sediment is allowed to settle into the basin and water is then pumped into a water truck to apply to yard or jobsite for surface dust suppression. The volume of water applied to these areas is at a sufficient rate to control dust, but not run off or seep into groundwater.

The solids that settle out in the basin are collected and placed onto recycle concrete pile for crushing and placement as road base aggregate or hauled to appropriate dump site.

Fuel Storage:

Vinton Construction Company will secure a third-party fuel vendor to provide a small portable fuel storage tank for equipment fueling requirements. The fuel vendor will direct fuel the generator. The third-party vendor will be required to follow Vinton Construction Companies Pollution and Prevention and Spill Response Plan or their plan whichever is more restrictive.

Plant Dust Control:

The portable batch plant utilizes a closed vacuum system for cement and fly ash transfer. In addition, the plant contains bag houses for the collection of the dust during the transfer from the bulk dry tanker trailer to the hopper bins. The bag house is dumped daily. The bag house

empties into the product hoppers. No discharges to the atmosphere. The batch plant operator is trained to operate and maintain the bag hose operation.

Dust Control, Road Maintenance:

Dust generation associated with the portable temporary batch plant may result during the redi-mix and aggregate trucks entering and leaving the site, and material being placed onto the plants conveyors. Emission calculations for this type of operation *without control* may emit up to 2.5 pounds of particulate matter per hour. The WDNR established a maximum standard of 5.7 pounds per hour. This operation will be below the WDNR emission standards.

Vinton Construction Company will have a water truck and sweeper broom on-site to mitigate dust issues associated with the unpaved haul road from Nelson Road to the plant location. The water truck will be used to water the haul road to dampen the unpaved roadway to minimize the dust generation from truck traffic. The sweeper broom will be utilized to remove any dirt that may be tracked onto Nelson Road. Truck drivers will monitor the road conditions along with the plant operator to address any material on Nelson Road, in order to remove the material as quickly as possible.

Traffic Management:

Portable WDOT approved truck entering and exiting road signs will be placed within the right-of-way of Nelson Road to the east and west of the Madison Crushing and Excavating entrance road, to notify the traveling public of the truck traffic, during the active concrete batching process.

Stormwater Management:

Vinton Construction Company has a Wisconsin Department of Natural Resources, General WPDES Industrial Stormwater Discharge Permit for mobile unit 1074. Permit No. WI-S067857-05. A copy of the permit has been previously submitted.

Prior to the relocation of the portable plant, Vinton Construction Company will notify the WDNR of the relocation per the permit requirements.

Spill Prevention and Pollution Plan:

Vinton Construction Company has prepared plan and have previously submitted this document as a part of the Conditional Use Application.

Environmental Issues:**Noise:**

Noise associated with the proposed temporary concrete batch are consistent with equipment typically found in a nonmetallic mining site. The proposed plant location has been relocated to northwest corner of the property based upon discussions with property owners during the town of Burke Public Hearing to provide a greater separation distance to the residential properties located to the east of the plant. We will maintain a 1,000-foot setback from the closest residential structure,

Groundwater:

Based upon the WDNR water supply well logs obtained for numerous private water supply wells in the immediate area of interest, the static water level was identified at depths ranging from 41 to 62 feet below the grounds surface. Pumping levels ranged in depths from 60 to 126 feet below the ground surface.

The proposed operation will not be withdrawing water from the ground water table. No impact to the groundwater quality or any impacts to the groundwater table are anticipated based upon the proposed activities.