Beshada, Eshetu (SD)

From: Matthew Haresign <mharesign@wintecbuildingservices.com>
Sent: March 3, 2020 10:52 AM
To: Beshada, Eshetu (SD) <Eshetu.Beshada@gov.mb.ca>
Subject: RE: Mobile Asphalt Plant - EAP

Eshetu,

Thank you for reviewing our EAP and providing your input. Please see additional information requested below. We very much appreciate a prompt review of our file, as we would like to be in operation for May of 2020.

1) The cut out demonstration shown in the proposal is to illustrate the bag house filtering process. Our bag house is a Barber Greene Portable Pulsejet style baghouse dust collector, featuring over 10,000 sq/ft (930m2) of cloth and approximately 58,000 ACFM @ 5:1
2) There is no defined duration for our occupancy at 727 Mission, because the plant is mobile it allows us the flexibility to bid work across the Province of Manitoba. As we have existing carry over contracts from 2019 for the City of Winnipeg, it is expected that the plant will remain at 727 Mission for the entire 2020 paving season. We have already met with a City of Winnipeg development officer, completed a development application, and obtained permission from the City of Winnipeg to occupy this site.
3) Please see attached
4) Our transport trucks are all Tier 4 diesel, as such the emissions output is among the lowest of any transport vehicle. The haul route on Mission is an asphalt road, which would not produce any fugitive emissions. Within the property of 727 Mission the existing granular surface will be treated with a dust suppression solution to eliminate any emissions from traffic or equipment on site. Emissions released from the aggregates are minimal, but will be continually monitored, especially during periods of very dry weather, or strong prevailing winds. As required, emissions from the aggregates will be controlled by moistening the aggerate stockpiles.
5) It is important to note that the reclaimed asphalt pavement (RAP) gets introduced into the heating drum at the very last stage, immediately before the aggregates mix with the oil. Furthermore, while in the drum, the baghouse is continually filtering the exhaust air from the drum. With this method of production the VOC's product from introducing RAP are considered negligible.

Please let me know if you need any further clarification or additional information.

Matt Haresign

Make: ADM **Model:** DM149 **Type:** Portable Parallel Flow Drum Plant

DESCRIPTION: Complete ADM Portable Parallel Drum Plant. Features of this plant include the following:

- Portable ADM Three (3) Cold Feed Bin System with 9' x 13' Bins, nominal 24" wide x 10' long feeders, 5 HP shaft mounted drives and a nominal 30" wide integral collecting conveyor as well as single axle portability.
- Kolman 2' x 4' skid mounted single deck Scalping Screen.
- Portable ADM Model DM149-87, 6' x 28' Parallel Flow Drum. The drum is equipped with a 5 HP slinger feed conveyor, trunnion driven with four (4) 20 HP Drives, a Hauck StarJet 360 burner, Recycle Collar with divert calibration chute, support stands to grade and dual axle suspension.
- Barber-Greene Portable Pulsejet style baghouse dust collector with over 10,000 sq./ft. of cloth and approximately 58,000 ACFM @ 5:1. Twin 125 HP motors power the exhaust fan, brand new chain in the drag slat bottom and tandem axle portability.
- Two (2) nominal 15,000 Gallon stationary electrically heated liquid AC Tanks with 15HP 3" unloading pump.
- Process Heating electric fuel oil preheater.
- ADM all-in-one Portable Recycle System consisting of a single 8' x 13' RAP Bin with a 30" wide 7.5 HP feeder conveyor, top mounted Grizzly and Air Cannon. A 24" x nominal 30' collector conveyor feeds a Deister 3' x 8' Single Deck Scalping Screen with oversized reject chute. A 24" x nominal 30' Scale Conveyor with gravity take-up feeds the drum and all are mounted on a common tandem axle frame.
- Bituma® Portable 100 Ton capacity Weigh Batching silo with a 5 ton weigh batcher, top mounted anti-segregation batcher, high-low-mid-mix level indicator, and bolt-on axles.
- Bituma® Portable heavy duty Main Drag Slat Conveyor, 32" wide x 36" deep and a nominal 75' long. Slat contains single strand 6" pitch chain with 7" tall flat bar style slats, cast floor wear liners, on-board air compressor, 75 HP drive package and tandem axle portability.
- One (1) ADM Model CM-149-12 Portable Control House with Systems® Drum Plant Controls and single axle portability all new in 2012.
- This plant comes equipped with two (2) Caterpillar Model SR4 800 KW generators, both housed in a 53' trailer