

BONNEVILLE BORROW AREA FUGITIVE DUST CONTROL PLAN MEASURES

1. Introduction

In compliance with the NOI submitted to the Utah Division of Air Quality to permit the proposed Bonneville Borrow Area and R307-309, the following report describes dust control measures for the crushed stone processing plant at the Bonneville Borrow Area.

2. Source Specific Dust Control Measures

2.1. Haul Roads

Description:

Haul trucks will be transferring borrow area material from the Bonneville Borrow Area to the Tailings Impoundment Area.

Control Measures:

Dust control measures proposed for the haul roads include application of water and commercial dust suppressants as governed by continual monitoring of road and meteorological (dry) conditions. Maximum number of wheels per ore or waste haul truck shall not exceed six wheels.

Records:

Contractor water truck application logs will be required. Documentation of watering will be kept at the Bonneville Borrow Area onsite office.

2.2. Stockpiles

Description:

Borrow Area Product Stockpiles

Control Measures:

The driving and haulage areas around the stockpiles will be sprayed with water to minimize dust. The stockpile itself will be monitored for dust generation as appropriate and wetted with water as necessary. Stockpiles projected to remain inactive for an extended period of time will be evaluated for application with a commercial dust suppressant as appropriate.

Records:

Contractor water truck application logs will be required. Documentation of watering will be kept at the Bonneville Borrow Area onsite office.

2.3. Crushing and Screening Operations

Description:

Primary, secondary, tertiary and quaternary crushers and screens are used to produce the necessary sized product.

Control Measures:

Water sprays will be used to minimize dust from crushing and screening operations.

Records:

- All records associated with any visual opacity surveys conducted for any aspect of the Bonneville Borrow Area crushed stone processing plant will be kept at the Bonneville Borrow Area onsite office.
- All hours of operation logs to obtain verification of total hours of operation per calendar year will be kept at the Bonneville Borrow Area onsite office.
- Any crushed stone processing plant cone crushers and screens unit shall have water sprays for dust suppression.
- Dust suppression sprays shall be installed for the crushed stone processing plant product conveyors discharge points, monitored, and records maintained at the Bonneville Borrow Area onsite office.
- Dust suppression sprays for all bins and conveyor transfer points shall be observed and observations logged at least twice per day during operation of the crushed stone processing plant.

2.4. Drilling and Blasting Operations

Description:

Drilling and blasting may be necessary to loosen the aggregate for removal by support equipment.

Control Measures:

KUC or its contractor will perform drilling for all blastholes. Drilling dust will be controlled either by dust curtains or a dust vacuum system mounted on the drill. The blasting footprint will be minimized, and the areas will be pre-watered if necessary.

Records:

Documentation of blasting and drilling activities will be kept at the Bonneville Borrow Area onsite office.

2.5. Transfer Points and Truck Loading and Unloading

Description:

Product will be loaded into haul trucks at the Borrow Area site and unloaded from the trucks at the Tailings Impoundment. The process will have transfer points between material transfer conveyors.

Control Measures:

The drop heights will be minimized to reduce dust from transfer points and loading and unloading operations. Additionally, water sprays may be used to minimize dust at interim storage locations. Water trucks will be utilized for all haulage areas associated with truck loading and unloading areas.

Records:

Contractor water truck application logs will be required. Documentation of watering will be kept at the Bonneville Borrow Area onsite office.