

AIR POLLUTION CONTROL DIVISION
PRELIMINARY ANALYSIS

DATE: November 18, 2014

PERMIT NUMBER:	13AD2017
APPLICANT:	Union Pacific Railroad
REVIEW ENGINEER:	Sunday Fadeyi
CONTROL ENGINEER:	R K Hancock III, P.E

PROJECT DESCRIPTION

Union Pacific Railroad –Self-Propelled Soda Ash Conveyor - Adams County

The proposed project is the construction of a new Self-Propelled Soda Ash Conveyor, located at 1001 W. 52nd Avenue and 5929 Pecos Street in Adams County, Colorado. The source is proposed to include one (1) Rail Berge Truck, Self-propelled Soda Ash Conveyor, model: 2450, SN: 021132913-361, rated at 100 tons per hour.

The sources' emissions' profile is as follows:

SUMMARY OF FACILITY WIDE EMISSIONS

EMISSIONS (tons/year)	PM_{2.5}	PM₁₀	TSP	SO₂	NO_x	VOC	CO	HAP	REMARKS
Project Emission	2.0	2.0	2.0						Synthetic minor for the Title V & PSD Programs
PTE	2,278	2,278	2,278						

SOURCE'S IMPACTS ($\mu\text{g}/\text{m}^3$)

For the PM emissions, the source's impact analysis is not required at this time per the Colorado Modeling Guideline for Air Quality Permits, Table 1 Modeling Thresholds. Therefore it is assumed the source, as proposed, will not cause or contribute to a violation of the National Ambient Air Quality Standards.

SOURCE CLASSIFICATION

The source has the potential to emit (PTE) of 2,278 tons of Particulate Matter (PM) per year. The draft permit has limitations that will reduce emissions to 2.0 tons of PM. Since this source has the potential to emit greater than 100 tons per year of PM, but is willing to accept limits to bring the emissions below 100 tons per year of PM, this source is considered to be a synthetic minor source and not subject to the Title Five Operating Permit and the Prevention of Significant Deterioration (PSD) programs.