

STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION  
BUREAU OF AIR POLLUTION CONTROL

**Director's Review and Preliminary Determination to Issue Permit  
for  
Barrick Gold Exploration, Inc.  
February 2, 2017**

Barrick Gold Exploration, Inc. has submitted a Class II application to the Nevada Division of Environmental Protection, Bureau of Air Pollution Control (BAPC) for a revision to existing Class II Air Quality Operating Permit AP1041-3336, FIN A1447. The revision consists of the addition of three non-emergency diesel generators as well as the addition of a shotcrete plant.

The application materials related to the revised Class II Air Quality Operating Permit were received by the BAPC on May 20, 2016. The permit application was deemed administratively complete on June 6, 2016. The Barrick Gold Exploration, Inc. facility is located approximately 35 miles south of I-80 between SR 306 and SR 278, in both Eureka and Lander Counties, Nevada, at approximately 544.46 km East by 4,439.66 km North; UTM Zone 11, NAD 83; (Sections 1-2, T25N, R48E; Sections 1 & 12, T25N, R48.5E; Sections 1-10, 15-18, T25N, R49E; Section 6, T25N, R50E; Sections 1-17, 20-29, 32-36, T26N, R48E; Sections 1-36, T26N, R49E; Sections 4-9, 16-21, 29-32, T26N, R50E; Sections 14, 15, 20, 22, 23, 26-29, 32-36, T27N, R48E, MDB&M) in Hydrographic Areas 53, 54 and 138). The Standard Industrial Classification (SIC) number for the facility is 1041 – Gold Ores.

As proposed, Barrick Gold Exploration, Inc. will remain a Class II source under the revised permit. The potential-to-emit (PTE) of each regulated air pollutant is less than the 100 ton per year threshold for major source designation. The facility will be subject to 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart CCCCCC.	<i>Proposed Annual Emissions</i>		
	Pollutant(s)		tons/yr
	<b>PM<sub>10</sub></b>	Particulate matter <10 microns in diameter	<b>2.37</b>
	<b>PM<sub>2.5</sub></b>	Particulate matter <2.5 microns in diameter	<b>2.26</b>
	<b>NO<sub>x</sub></b>	Nitrogen Oxides	<b>52.46</b>
	<b>SO<sub>2</sub></b>	Sulfur Dioxide	<b>1.35</b>
	<b>VOCs</b>	Volatile Organic Compounds	<b>17.87</b>
	<b>CO</b>	Carbon Monoxide	<b>16.96</b>

An ambient air impact analysis was completed to support the proposed determination to issue the revised Class II Air Quality Operating Permit. The analysis demonstrates compliance with the Nevada and National Ambient Air Quality Standards. The ambient air quality analyses demonstrated that the emissions from the proposed source will not cause or contribute to a violation of any applicable federal or state ambient air quality standards.

The BAPC has made a preliminary determination to issue this revised Class II Air Quality Operating Permit. The proposed source must comply with all State and Federal air quality requirements and all conditions established within the revised Class II Air Quality Operating Permit.