

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

**Director's Review and Preliminary Determination of Permit Issuance for**

**ORNI 39 LLC/ORNI 41 LLC  
McGinness Hills Geothermal Development Project  
Lander County, Nevada  
September 23, 2025**

ORNI 39 LLC/ORNI 41 LLC (McGinness Hills) submitted an application for an administrative renewal of Class I Air Quality Operating Permit AP4911-4212.01, FIN A1271, for the McGinness Hills facility in Lander County, Nevada. The project is located approximately 10 miles northeast of Austin, NV, in all or portions of Sections 15, 16, 21 and 22, Township 20N, Range 45E, M.D.B.&M.

McGinness Hills is a series of geothermal power plants and a geothermal well field. The facility includes power generation facilities, geothermal resource facilities, geothermal fluid production and injection well pads and wells, access roads, geothermal pipelines and ancillary support facilities. McGinness Hills is proposing to renew their operating permit.

The Nevada Division of Environmental Protection – Bureau of Air Pollution Control (BAPC) has reviewed the application for the above-referenced operating permit, and has made a preliminary determination to issue the operating permit. The facility-wide Potential to Emit (PTE), including emissions from Non-Permit equipment are given in the table below.

Current emissions estimates indicate McGinness Hills is a Class I (Title V) Source, as emissions of one or more criteria pollutant are less than 250 tons per year (TPY). McGinness Hills is classified as an area source of HAPs as the PTE for a single HAP is less than 10 TPY and combined HAPs are less than 25 TPY.	<i>McGinness Hills Potential to Emit (PTE)</i>		
	Pollutant		Facility-Wide (tons/year)
	PM	Particulate Matter	0.026
	PM <sub>10</sub>	Particulate Matter ≤ 10 microns in diameter	0.026
	PM <sub>2.5</sub>	Particulate Matter ≤ 2.5 microns in diameter	0.026
	SO <sub>2</sub>	Sulfur Dioxide	0.064
	NO <sub>x</sub>	Oxides of Nitrogen	1.72
	CO	Carbon Monoxide	0.20
	VOC	Volatile Organic Compounds	174.8
	Pb	Lead	0.00
	Hg	Mercury	0.00
	HAP (single)	Hazardous Air Pollutants	< 10
	HAPs (all)	Hazardous Air Pollutants	< 25
	GHG (CO <sub>2e</sub> )	Greenhouse Gases (Carbon Dioxide Equivalent)	202.9

The project is located in Air Quality Hydrographic Area (HA) 137B of the Big Smoky Valley/Northern Part. HA 137B is not a triggered basin for an increment analysis. McGinness Hills will be subject to 40 CFR Part 60 Subpart IIII requirements for Stationary Compression Ignition Internal Combustion, 40 CFR Part 63 Subpart ZZZZ requirements for Stationary Reciprocating Internal Combustion Engines and 40 CFR Part 63 Subpart CCCCCC requirements for Gasoline Dispensing Facilities

Air dispersion modeling conducted by the applicant and the Nevada Division of Environmental Protection – Bureau of Air Quality Planning (BAQP) demonstrates that continued operation of McGinness Hills will not violate any air quality standard.

Prevention of Significant Deterioration (PSD) review is not triggered for this permit action. No adverse air quality impacts are anticipated as a result of the proposed action. McGinness Hills shall comply with all State and Federal air quality requirements and all conditions established within the proposed draft operating permit.