

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**

**American Battery Technology Company  
Storey County, Nevada  
February 3, 2025**

American Battery Technology Company (ABTC) submitted an application for a revised Class II Air Quality Operating Permit, AP5051-3711.01, FIN A1917, for the ABTC facility in Storey County, Nevada. The project is located at 2500 Peru Drive, Sparks, Nevada, in all or portions of Section 10, Township 10N, Range 22E, M.D.B.&M.

The purpose of this revision is to revise PM2.5, VOC, and HAP emissions for Systems 1 and 4.

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.

	<i>ABTC Potential to Emit (PTE)</i>			
	<b>Pollutant</b>		<b>Facility Total (tons/year)</b>	<b>Revision Net Change (tons/year)</b>
	Current emissions estimates indicate ABTC is a <i>Class II source</i> , because the facility-wide PTE for any individual regulated pollutant is <i>less</i> than 100 tons per year.	<b>PM</b>	Particulate Matter	3.02
<b>PM<sub>10</sub></b>		Particulate Matter ≤ 10 microns in diameter	3.02	0.0058
<b>PM<sub>2.5</sub></b>		Particulate Matter ≤ 2.5 microns in diameter	1.54	0.29
<b>SO<sub>2</sub></b>		Sulfur Dioxide	0.049	0.00
<b>NO<sub>x</sub></b>		Oxides of Nitrogen	8.50	0.00
<b>CO</b>		Carbon Monoxide	6.89	0.00
<b>VOC</b>		Volatile Organic Compounds	68.2	67.7
<b>Pb</b>		Lead	0.00	0.00
<b>HAP (single)</b>		Hazardous Air Pollutants	1.41	1.53
<b>HAPs (all)</b>		Hazardous Air Pollutants	2.01	1.39

The project is located in Air Quality Hydrographic Area (HA) 83 of the Tracy Segment. HA 83 is designated as PSD and is triggered for SO<sub>2</sub>, No<sub>x</sub>, and PM<sub>10</sub> ABTC will be subject to Subpart IIII—Standards of Performance For Stationary Compression Ignition Internal Combustion Engines.

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 ABTC, will not violate any air quality standard.

ABTC must comply with all State and Federal air quality requirements and all conditions established within the proposed draft Class II Air Quality Operating Permit.