

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

**ERG Materials and Aerospace Corp.
 Peru Drive Facility
 Storey County, Nevada
 June 28, 2019**

ERG Materials and Aerospace Corp. (ERG) submitted an application for a new Class II Air Quality Operating Permit, AP3728-3945, FIN A2085, for the Peru Drive facility in Storey County, Nevada. The project is located approximately three miles south of I-80 exit 32 in Clark, Nevada, in all or portions of Section 11, Township 19N, Range 22E, M.D.B.&M.

ERG produces metallic foam. The process involves producing a template of the end product, placing the template through a burnout process utilizing furnaces with thermal oxidizers for control, and the output of that process is then employed to produce the final product.

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>ERG Peru Drive Facility Potential to Emit (PTE)</i>	
	Pollutant	Facility-Wide (tons/year)
	Current emissions estimates indicate ERG 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.	PM
	PM₁₀	Particulate Matter ≤ 10 microns in diameter 1.10
	PM_{2.5}	Particulate Matter ≤ 2.5 microns in diameter 1.10
	SO₂	Sulfur Dioxide 0.023
	NO_x	Oxides of Nitrogen 5.53
	CO	Carbon Monoxide 1.37
	VOC	Volatile Organic Compounds 19.5
	Pb	Lead 0
	HAP (single)	Hazardous Air Pollutants 6.83
	HAPs (all)	Hazardous Air Pollutants 19.3

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 NO₂, PM₁₀ and SO₂. ERG is not subject to federal regulations.

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 ERG, will not violate any air quality standard.

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