

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

**MediWaste Disposal LLC
MediWaste Disposal LLC – Pahrump Facility
Nye County, Nevada
February 2, 2026**

MediWaste Disposal LLC (MediWaste) submitted an application for a new Class II Air Quality Operating Permit, AP4953-4771, FIN A2651, for the MediWaste facility in Nye County, Nevada. The project will be located at 1850 E. Basin Avenue in Pahrump, Nevada. The project is located in a portion of Section 11, Township 20S, Range 53E, M.D.B.&M.

MediWaste Disposal LLC is proposing to construct and operate a medical waste treatment facility that consists of seven (7) stand-alone pyrolysis systems that will thermally destroy medical waste by the process of pyrolysis. Pyrolysis is an endothermic process that does not require air oxygen. Each pyrolysis system shall consist of a pyrolysis chamber, plasma chamber, and thermal oxidizer. Each pyrolysis chamber is externally heated by four (4) natural gas fired burners, each rated at 0.5 MMBtu/hr. Each thermal oxidizer is rated at 2.0 MMBtu/hr. An ash handling system will be used to transfer any ash material from the pyrolysis units to a dumpster. The dumpsters will be transferred to an approved landfill.

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>MediWaste Potential to Emit (PTE)</i>		
	Pollutant	New (tons/year)	Facility-Wide (tons/year)
PM	Particulate Matter	6.54	6.54
PM₁₀	Particulate Matter \leq 10 microns in diameter	4.32	4.32
PM_{2.5}	Particulate Matter \leq 2.5 microns in diameter	4.32	4.32
SO₂	Sulfur Dioxide	13.49	13.49
NO_x	Oxides of Nitrogen	20.56	20.56
CO	Carbon Monoxide	2.40	2.40
VOC	Volatile Organic Compounds	3.54	3.54
Pb	Lead	0.034	0.034
HAP (single)	Hazardous Air Pollutants	0.065	0.065
HAPs (all)	Hazardous Air Pollutants	2.40	2.40

Current emissions estimates indicate MediWaste is a *Class II source*, because the facility-wide PTE for any individual regulated pollutant is *less than 100 tons per year*.

The project is located in Air Quality Hydrographic Area (HA) 162 of the Pahrump Valley. HA 162 is not a triggered basin for an increment analysis. MediWaste is **not** subject to any 40 CFR Part 60 New Source Performance Standards or 40 CFR Parts 61 and 63 National Emission Standards for Hazardous Air Pollutants.

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 MediWaste, will not violate any air quality standard.

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