

Nevada Division of **Environmental Protection**

Public Hearing - New Solid Waste Management
Facility Permit for the MediWaste Medical
Waste Pyrolysis Facility

July 7, 2026

Presented by
**Bureau of Sustainable Materials
Management (Solid Waste Branch)**



MediWaste Medical Waste Pyrolysis Facility Permit

Overview:

- Proposed Permitting Action
- Facility Details
- BSMM Solid Waste Jurisdiction
- Permitting Process
- MediWaste Permitting Review
- Next Steps



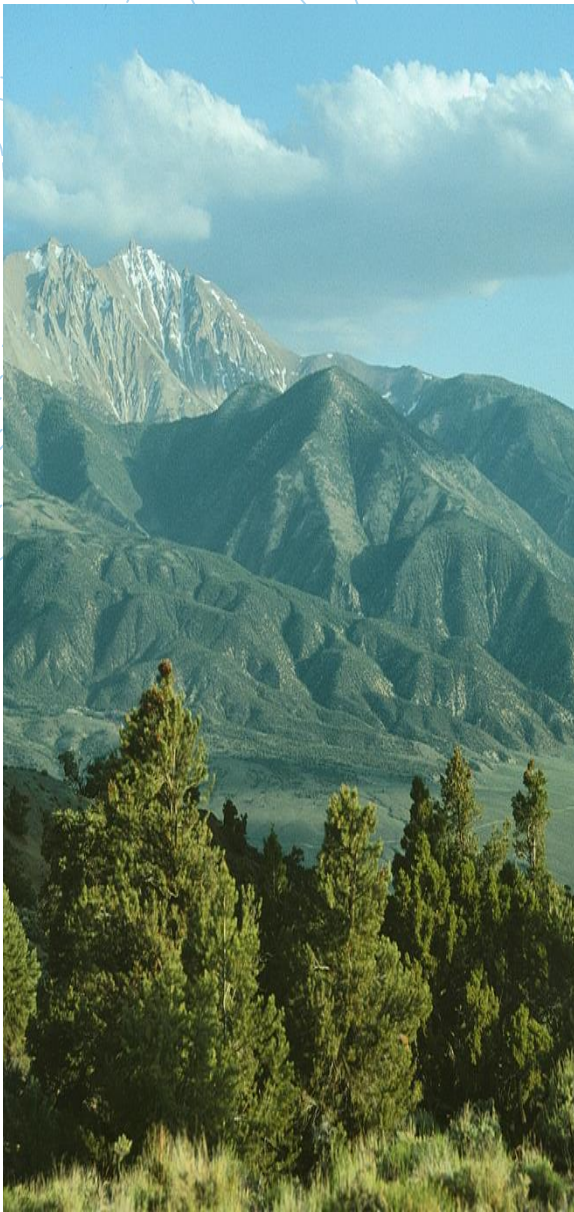
Proposed Action

BSMM Jurisdiction and Permit Action

The Bureau of Sustainable Materials Management (BSMM) is the solid waste management authority outside of Washoe and Clark Counties. The BSMM is responsible for the permitting of solid waste management systems and/or facilities, and the implementation of solid waste regulations found in Nevada Revised Statutes (NRS) / Nevada Administrative Code (NAC) requirements in 444.

The applicant, MediWaste, is required to apply for and obtain a permit from the BSMM, for the management of both incoming and outgoing solid waste. It is the BSMM's intent to issue a "System to Process Waste: Other Methods" permit, pursuant to NAC 444.676, as MediWaste has met the regulatory requirements.





Proposed Action (continued)

Air Requirements:

- Air emissions from this facility are regulated under Air Quality Operating Permit AP4953-4771 issued by NDEP's Bureau of Air Pollution Control.

Local Jurisdiction's Requirements:

- The BSMM permit requires that MediWaste may not begin construction and/or operations until all required local, state, and federal authorizations have been obtained and submitted to NDEP for review. Issuance of a solid waste permit does not authorize operations absent required local requirements as specified in NAC 444.658 and 444.660.

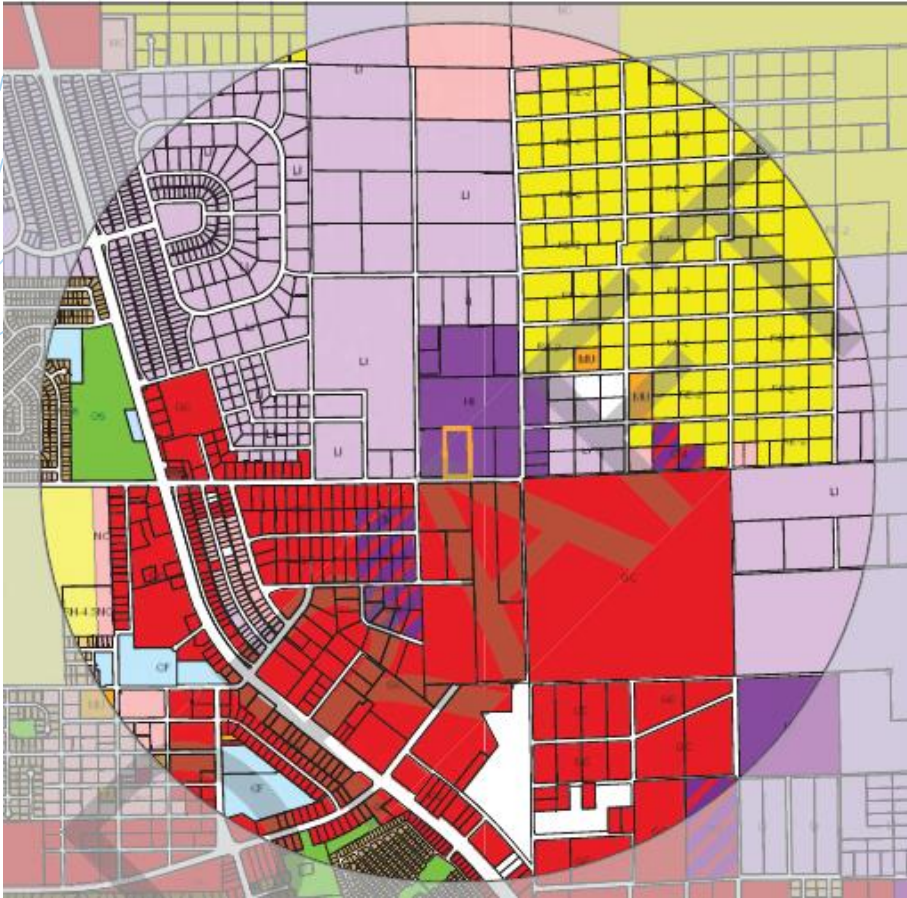


Figure 1. Facility Zoning Map
[MediWaste Submittal, April 2, 2026]

Facility Description

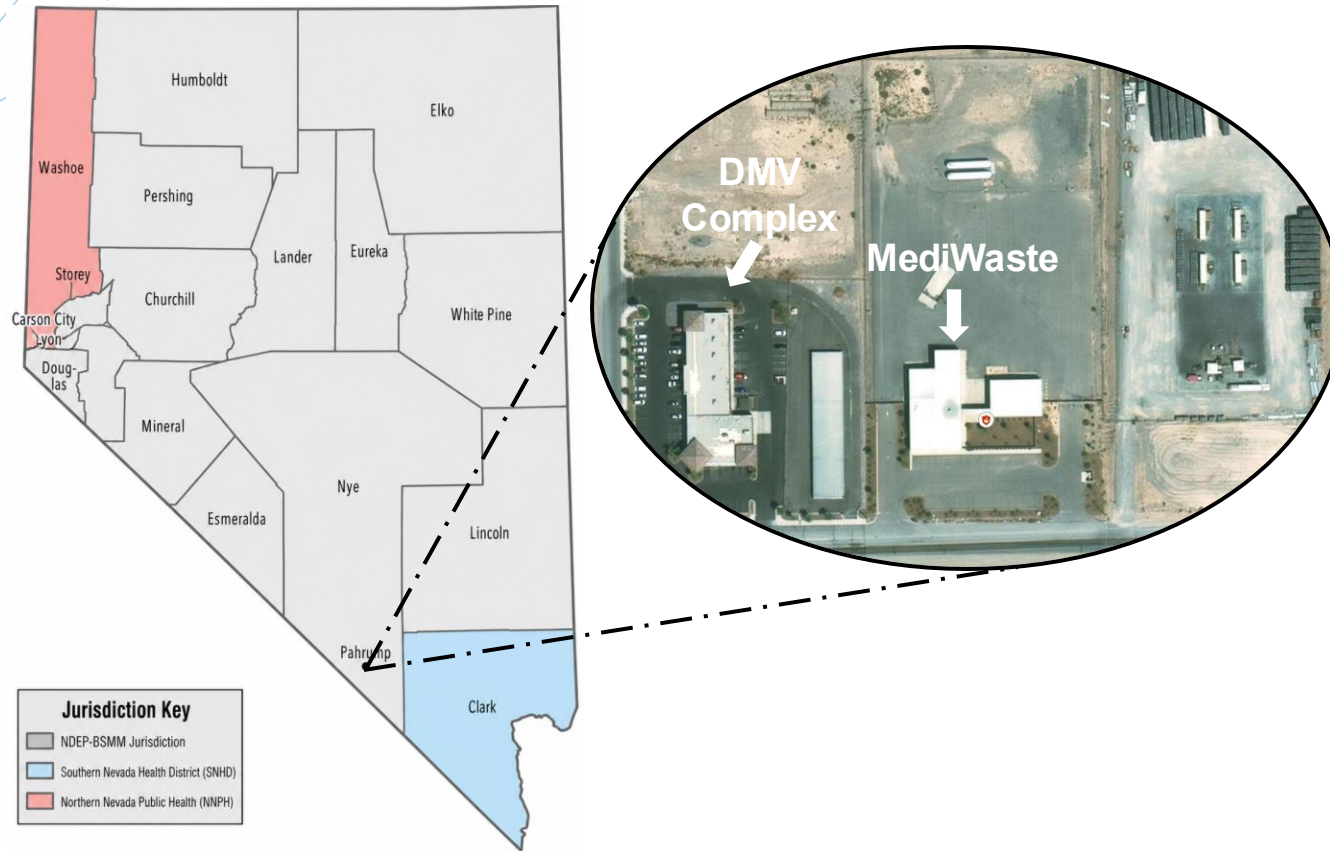
Permit Action & Facility Description

- MediWaste Disposal, LLC is applying for a new Solid Waste Management Facility Permit (SWMF) under NAC 444.676 “System to process waste: Other methods”
- The proposed facility will consist of two existing structures, an incoming and outgoing waste storage staging area, seven (7) pyrolysis units, and ancillary equipment.
- The MediWaste Pyrolysis Facility is a facility owned and operated by MediWaste Disposal LLC. The facility will serve California, Nevada, and other regional generators.

Facility Location

Location Overview:

- Located in Nye County at 1850 East Basin Avenue, Pahrump, NV 89060
- The MediWaste Pyrolysis Facility is located approximately 370 feet West of the urban center which contains the Nevada Department of Motor Vehicles (DMV) and other businesses.
- The site parcel is zoned for heavy industrial.



Facility Process

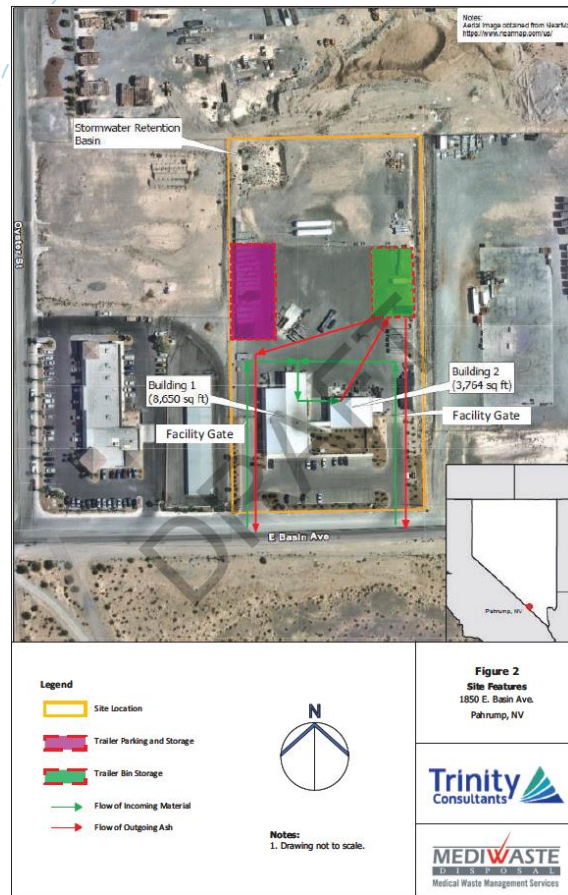


Figure 2. Overall Site Flow Diagram
[MediWaste Submittal, April 2, 2026]

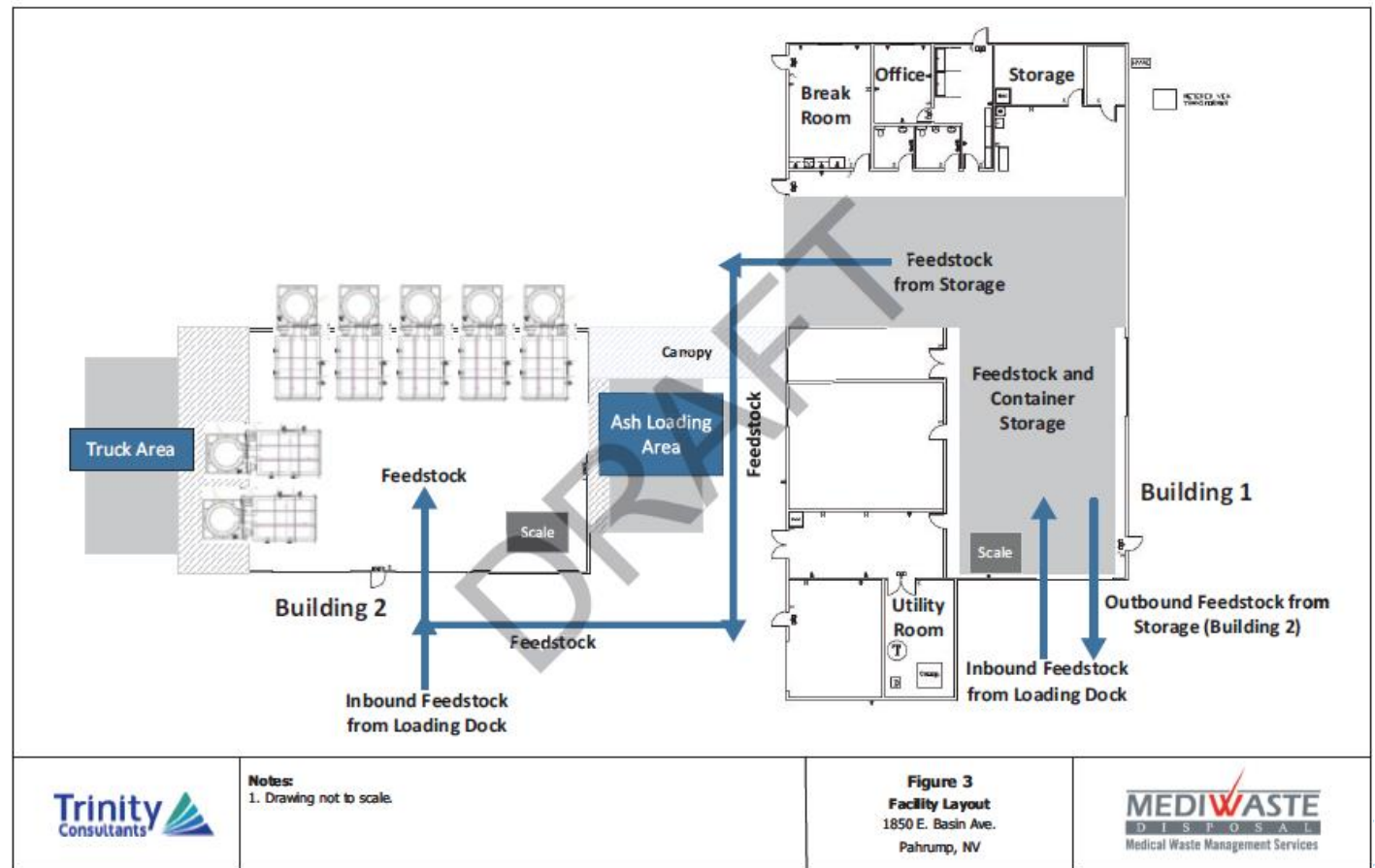


Figure 3. Process Flow Diagram
[MediWaste Submittal, April 2, 2026]



How to Access MediWaste Files

All MediWaste application files, correspondence, and other facility files can be accessed online through:

- <https://ndep-onbase.nv.gov/>
 - Search Type = “NDEP-BSMM Facility Files”
 - Facility Name = “MediWaste”

NAC 444.676 “Other Methods” Permitting Process



Facility Type Determination

MediWaste is not subject to Incinerator regulations pursuant to NAC 444.672 – “System to Process Waste: Incineration” due to:

- *“The units at the MediWaste facility will operate using endothermic gasification using indirect and external energy in the absence of oxygen. Incineration requires the presence of oxygen. Therefore, the units are pyrolysis units, not incineration units”* [MediWaste Submittal, October 8, 2025].
- On April 3, 2025, the Bureau of Air Pollution Control (BAPC) determined that the proposed MediWaste process does not meet the definition of “Hospital/Medical Infectious Waste Incinerators” under federal Clean Air Act requirements.

Application Completeness Review

Application Completeness Review:

- a. Per NAC 444.641.1 a determination of completeness must be based on *“whether the application contains all specified documents and supporting information required by NAC 444.677 [Class I Landfill], 444.705 [Class II Landfill] or 444.733 [Class III Landfill], as applicable.”*
- b. NAC 444.676 does not prescribe the same detailed application requirements applicable to landfill categories or certain other specifically regulated solid waste management facilities; however, per NAC 444.641.1 *The solid waste management authority may require the submittal of any such additional documents or information as it deems necessary and may specify the period within which the documents or information must be submitted to the authority.*

Application Technical Review

Application Technical Review:

Applicable general technical solid waste provisions include, but are not limited to:

- NRS 444.553 - Permits to operate solid waste management facilities
- NRS 444.563 - Activities relating to solid waste management systems
- NRS 444.566 - Requirements for owner or operator of solid waste management facility; claims relating to financial responsibility
- NAC 444.594 - “Nuisance” defined
- NAC 444.644 - Systems for solid waste.
- NAC 444.660 - Standards for storage, collection and transportation set by ordinances NAC 444.662 - Storage of solid wastes before collection
- NAC 444.664 - Collection and transportation of solid wastes
- NAC 444.668 - System to process waste: Hazards, nuisances and impairment of environment prohibited
- NAC 444.676 - System to process waste: Other methods

Site Restrictions

In evaluating the proposed facility under the applicable provisions of NAC Chapter 444, including nuisance-related standards under NAC 444.594 and NAC 444.668, BSMM considered:

- The facility's location within an area zoned for heavy industrial use
- MediWaste's statements regarding the exclusion of putrescible waste, solvents, and other high vapor-pressure materials
- Proposed operational controls related to waste handling, storage, screening, and containment
- Permit conditions limiting waste types, storage practices, and operational activities.

Groundwater

BSMM considered the following regarding groundwater and stormwater exposure:

- The pyrolysis process does not require water and does not generate wastewater.
- MediWaste represented that incoming medical waste packaging is leakproof, watertight, and rodent proof.
- MediWaste proposed reusable diking systems for staged trailers containing incoming medical waste.
- Hydrated ash generated from the process is proposed to be stored in covered 40-cubic-yard roll-off containers pending disposal.
- MediWaste stated that best management practices and onsite stormwater controls would be utilized to minimize the potential for spills, stormwater contact, and offsite migration.

Storage of Solid Waste

BSMM has included the following in the permit conditions:

- Received medical waste will not be onsite for more than 15 days prior to processing; including a detailed verifiable method for tracking the exact amount, type, and storage time of waste stored in each onsite trailer.
- A reusable diking system will surround the trailers while staged and awaiting processing.
- The exclusion of putrescible waste and prohibition of storage of putrescible waste, means no refrigeration would be required.
- No hazardous waste, including radioactive waste above the background limit, shall be accepted and/or stored
- MediWaste will utilize Department of Transportation (USDOT) approved, packing group II packaging materials which are leakproof and rodent proof, and engage the services of a pest control company.

Processing of Solid Waste

Facility Design Parameters:	
Facility Area (acres)	4.70
Maximum Design Processing Rate (tons/yr/unit)	2,160
Maximum Annual Permitted Throughput (tons/yr)*	15,120
Maximum Average Daily Permitted Throughput (tons/day)	41.4
Maximum Design Staging Capacity for Incoming Material in Building 1 (tons)	250
Maximum Design Staging Capacity for Incoming Material Outside on Paved Lot (tons)	200
Maximum Amount of Enclosed Tractor Trailers (20-ton capacity/trailer)	10
Maximum Design Staging Capacity for Outgoing Residue**	One 40-yard roll off container***

* All seven units operating

** Where (cy) is cubic yards

*** There is a possibility of two 40-yard roll-off containers while one is being scheduled for pickup.

Disposal of Solid Waste

Storage of Hydrated Ash:

- The hydrated ash is immediately transferred from the pyrolytic chamber into a 40-yard roll-off container with “a tarp or lid for storage” until transported for disposal. The ash transfer and storage will be conducted using best management practices to mitigate risk of stormwater or groundwater exposure.

Sampling of Hydrated Ash:

- The Ash Sampling Frequency Plan and Dioxin and Furan Analytical Limit are schedule of compliance items inside the Permit under Section “G Compliance Schedule” of the DRAFT Permit. SOC items will be submitted and approved before operations may commence.

Disposal of Hydrated Ash:

- Any thermal treatment residue, products, and wastes must be disposed of at a solid waste management facility appropriately permitted to accept such waste.

Permit Condition Updates/Corrections

BSMM will require the updates/corrections on the Permit:

- On-site storage limit reduced from **30** to **15** days
- “Maximum Average Daily Permitted Throughput” corrected from **16.8** tons/day to **41.4** tons/day.
- Reporting frequency changed from **annual** to **quarterly** (Section D.1)
- MediWaste will **provide all** emergency plans, and any updates to those plans, with the local fire department and first responders.
- Parcel ID# number to be confirmed.
- The prohibited-waste list will be amended to add “embryos” under NRS 451.015.
- MediWaste will provide the Spill Prevention, Control, and Countermeasure (SPCC) and Stormwater Pollution Prevention (SWPP) plans referenced in the application for review.
- MediWaste will address what measures are in place to prevent wind-driven release or migration of materials, including any wind-speed operational limits, enclosed or controlled handling procedures, physical containment, and housekeeping protocols.
- MediWaste will address dust generation, accumulation, and whether ignition risks have been evaluated or mitigated.

Note, the preliminary conditions listed above are not exhaustive and may change.



Next Steps

1. **Public Period:** The public notice and comment period will end at Close of Business (COB) tomorrow.
2. **Response:** BSMM will consider and respond to all comments received.
3. **Decision:** BSMM will then decide to Issue or Deny the Permit pursuant to NAC 444.6425.
 - Per NAC 444.6425.2 conditions or modifications may be placed on a permit issued, based on public comments received concerning the permit.

Tips for Providing Effective Public Comments

Tips on Commenting

Provide reasons for support or dissent:

- Identify specific permit provisions, regulatory concerns, technical information, or proposed permit modifications.
- Cite contents of the permit/application that do not meet specific, applicable regulations (NAC 444).
- Alternatives to proposed requirements.
- Specific actions the agency should take.

Ways to Comment

To Publicly Comment Today:

- Fill out comment card to state comment publicly after presentation

Thank You

**Bureau of Sustainable Materials
Management**

Solid Waste Branch

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