



FACT SHEET

(Pursuant to the Solid Waste Disposal Regulations of the Nevada Administrative Code [NAC] 444.641.3[b])

Permittee Name: Pershing County

Facility Name: Pershing County Landfill

Permit Number: SW108REV02

Description of Proposed Permit Modification

None at this time

Location Information

The location of the landfill property is described by the Public Land Survey system as the NE% SEV* , NWVi SEV* , Lots 2, 3, 5, 6, 7, 8 and 9, sec. 30, T. 27 N, R. 31 E.

Proposed Action

None at this time

Facility Summary

Overview - Site Summary

The Pershing County Landfill currently serves all residents of Pershing County. Solid waste generated in the County is currently being managed through the Pershing County Landfill, the Imlay Transfer Station, the Grass Valley Transfer Station, and the Unionville Transfer Station. However, plans call for the transfer of all waste received at the Grass Valley, Imlay and Unionville Transfer Stations to the Humboldt County Regional Landfill in Winnemucca. The Pershing County Landfill is located approximately 3.5 miles west of the City of Lovelock in Pershing County, Nevada. The location of the landfill property is described by the Public Land Survey system as the NE% SEV* , NWVi SEV* , Lots 2, 3, 5, 6, 7, 8 and 9, sec. 30, T. 27 N, R. 31 E. (Drawing 1, Engineering Report). The property is owned and operated by the County in accordance with Pershing County Code Chapters 13.04 and 13.06 and applicable State of Nevada Administrative Codes.

The landfill is open five days per week, Wednesday through Sunday from 8:00 am to 1:00 pm and 2:00 pm to 5:00 pm. The landfill is closed on eleven major holidays including Christmas, New Year's Day, Thanksgiving and the day after, Nevada Day, Presidents Day, the Fourth of July, Labor Day, Veteran's Day, Memorial Day, and Martin Luther King Day.

Location Restrictions

The Pershing County Landfill is surrounded on the east, south, and west by publicly owned land administered by the Bureau of Land Management (BLM). The parcels immediately north of the landfill site are owned by Nevada Land and Resource. Lot 59, which is approximately 1,000 feet long and located along the west side of the landfill property line, is privately owned by, Ms. Virginia Hill. All of the unincorporated areas of Pershing County which are not otherwise designated, including the landfill property, are designated as open space. The landfill does not lie within one-fourth mile of a residence or place of public gathering, or within 1,000 feet of a highway or surface water body. In addition, subsurface investigations have documented that ground water beneath the site is 240 feet below ground surface . Floodplains

The Pershing County Landfill is situated on the alluvial apron of Lone Mountain, more than 100 feet



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higher in elevation than the Lovelock basin to the east. In addition, there are no major drainage channels or washes which cross the landfill property. Based on this information, the Pershing County Landfill satisfies the location criterion with respect to 100-year floodplains. Wetlands

Lateral expansions of existing municipal solid waste landfills may not be located within 200 feet of a fault which has had displacement in Holocene time unless the owner or operator demonstrates that a lesser setback will prevent damage to the structural integrity of the landfill, according to NAC 444.6791. A review of the Preliminary Map of Young Faults in the United States as a Guide to Possible Fault Activity (USGS, 1978) does not indicate the presence of Holocene faults in the vicinity of the landfill. Published geologic maps of Pershing County which include the Pershing County Landfill area (Johnson, 1977) indicates that the nearest fault is located approximately one mile south of the landfill. Based on this information, it is concluded that the landfill is not located within 200 feet of a fault which has experienced displacement in Holocene time, and that the location of the Pershing County Landfill satisfies the criterion established in NAC 444.679 Seismic Impact Zones

A review of the United States Geological Survey (Algermissen et. al., 1982) Open File Report 82-1033, entitled Probabilistic Estimates of Maximum Acceleration and Velocity in Rock in the Contiguous United States, indicates that the Pershing County Landfill lies in a seismic impact zone which may exhibit a maximum horizontal acceleration on the order of 0.40g. However, Class II Landfills are not required to include provisions or specifications for containment or leachate collection and removal systems.

Unstable Areas

A field investigation was undertaken at the site (Vector, 1994,) which included one exploration drill hole. Information obtained during this investigation indicated that the subsurface geology at the landfill is characterized by unconsolidated fill material to a depth of 15 to 20 feet, underlain by fractured and weathered granodiorite to the total depth of the exploration hole. In a separate investigation, the site operator excavated several test pits on the landfill property to assess the availability of daily cover soil. All excavations showed silty sand and gravel to be the predominant soil type at the site. Based on these investigations and a review of the Geologic Map of Pershing County, Nevada (Johnson, 1977), no soils which may contribute to poor foundation conditions are not known to exist anywhere on the property. In addition, there are no soil or rock types mapped in the vicinity of the landfill which are characteristic of karst terrain.

Equipment And Personnel

Heavy equipment currently utilized at the Pershing County Landfill includes the following:

1. 1995 Caterpillar 93 8F Rubber Tire Front End Loader;
2. 1993 International 10-Wheel End Dump Truck.

The landfill is staffed by one full time, and three part time site attendants under the direction of the Pershing County Director of Public Works.

Personnel positions for the Pershing County Landfill include the following:



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1. Landfill Manager-Overall operations of the facility, maintaining compliance with the Plan of Operations and Report of design and overseeing equipment and personnel.
2. Site Attendants - Recording incoming waste volumes and screening loads for improper wastes, equipment operations, and site maintenance.

Fire Control Programs

The fire control program for the Pershing County Landfill consists of provisions for fire prevention and fire suppression. Contingency plans to be initiated in the event of a fire at the landfill are discussed in Section 14.0 of this document. Combustible materials, such as flammable liquid wastes and soils contaminated with petroleum products, are not accepted for disposal at the site. Load inspection and identification procedures are employed to prevent the disposal of these materials, and are discussed in detail in Section 6.10 (Liquid Waste Exclusion Program) and Section 6.12 (Hazardous Waste Exclusion Program) of this document. Open burning is prohibited at the site in accordance with NAC 444.640. In addition, wastes are compacted and covered daily to reduce the amount of oxygen available for combustion reactions.

Fire suppression measures will be initiated as soon as a fire is discovered at the site. Fire extinguishers are installed in the gatehouse, on each County vehicle, and on each piece of equipment at the site. All extinguishers are periodically checked and serviced to ensure that they function properly at all times. A soil stockpile will be maintained near the active disposal area and will be used to smother burning or smoldering waste when necessary. A water truck is available from the County Road Department as needed.

Litter Control Program

Litter control measures are implemented at the Pershing County Landfill to prevent scattering of papers and other lightweight debris. The primary control measures include daily compaction and covering of waste. A 4-inch by 2-inch wire mesh perimeter fence has been installed on the north and east perimeter to control off-site migration of litter from prevailing southwest winds. If necessary, portable litter fences will be placed downwind and within 100 feet of active disposal areas. The site attendant will pick up litter on a weekly basis, or more often if necessary. Inmate work crews will periodically be coordinated by the Nevada Division of Forestry to pick litter from the surrounding area.

Waste Handling Procedures

NAC 444.684(2c) requires that the Plan of Operations describe provisions for the disposal of any special wastes accepted at a municipal solid waste disposal facility. The majority of the waste accepted at the Pershing County Landfill is comprised of household and commercial waste. Industrial solid waste, yard waste, inert construction and demolition debris, household hazardous waste, and tires may also be accepted for disposal. Medical, putrescible and asbestos wastes are not accepted for disposal at the Pershing County Landfill. Special waste management procedures have been developed for several of the waste types accepted for disposal. A brief discussion of the handling procedures for each type of waste accepted for disposal is presented in the following sections.

Household and Commercial Waste

The majority of the waste stream received at the Pershing County Landfill consists of household and



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commercial wastes. All aspects of household and commercial waste management are performed in accordance with applicable federal and state regulations, as described in this Plan of Operations.

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Industrial Wastes

Industrial wastes may only be accepted at the Pershing County Landfill if the level or quantity of hazard is below regulatory standards established for hazardous or toxic waste disposal. Therefore, all industrial wastes are subject to the restrictions of the Hazardous Waste Exclusion Program Records will be maintained by the landfill attendant of any fires occurring at the site. These records will be entered into the site's operating record, and will include the date and time the fire was reported, the location and suspected cause of fire, measures used to control the event, accidents or injuries sustained in suppressing the fire, and whether or not an emergency response team was required.

Yard Wastes

Yard waste is a general term used to refer to vegetative wastes, which may include cuttings from trees and brush, grass clippings, straw and hay, and wastes from seasonal or special events. Yard wastes are disposed of with the municipal waste stream. According to the provisions of NAC 444.6675, infrequent open burning may be used for the disposal of agricultural or silvacultural wastes, debris from land clearing, diseased trees, or debris from emergency clean-up operations at the discretion of Pershing County. Applicable permits will be obtained prior to initiating a controlled burn of these types of waste.

Construction and Demolition Debris

Construction and demolition debris are screened by the site attendant and must be inert and non-hazardous to qualify for acceptance. All construction and demolition debris is deposited in a separate disposal area and periodically covered with soil to minimize the potential for the spread of accidental fires, in accordance with the requirements of NAC 444.652.

Medical Waste

Medical wastes are not accepted for disposal at the Pershing County Landfill, with the exception of household medical waste. However, the landfill does accept incinerated medical wastes from the Pershing County General Hospital. Incinerated medical waste does not qualify as a special waste, and is buried with the municipal solid waste stream.

Asbestos

Asbestos waste is not accepted at the Pershing County Landfill. Asbestos waste generators will be directed to either the Humboldt County Regional Landfill in Winnemucca, Nevada or the Lockwood Landfill east of Reno, Nevada.

Household Hazardous Waste

The majority of household hazardous wastes are managed as part of the municipal solid waste stream.



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Waste oil will be accepted at the landfill in an above-ground 500 gallon storage tank. Prior to acceptance, the waste oil will be screened for halogen contamination by the landfill attendant. The waste oil collected at the landfill will be used as fuel for a waste oil burner at the County Road Department's shop. Waste antifreeze is not accepted for disposal at the landfill. Automotive batteries will be pulled from the waste stream, stockpiled on pallets in a shed near the gatehouse, and periodically removed for recycling. In addition, local battery suppliers currently accept used automotive batteries for recycling. No other provisions are currently provided for the disposal of household hazardous wastes.

Tires

Tires are accepted at the Pershing County Landfill and are deposited at the base of the active working face with municipal solid waste. Tires are placed on the ground surface at the bottom of the active disposal face and covered with concrete debris or other suitable material before other wastes are placed over them. Disposal of tires by open burning, or by open dumping into ravines, canyons, trenches, or gullies, is prohibited. If large quantities of tires are to be placed in the landfill but not mixed with other wastes, they will be baled, chipped, split, stacked by hand ricking, or otherwise handled in a manner which will prevent migration within the landfill.

Bulky Metal Wastes

White goods, scrap metals, and scrap automobiles are accepted at the Pershing County Landfill. Bulky metal wastes are stockpiled and periodically removed for recycling.

Liquid Waste Management and Exclusion

Procedures for liquid waste management will be implemented at the Pershing County Landfill, in accordance with NAC 444.692. Sewage sludge, septic tank pumpings and raw sewage are not accepted at the facility; only dry waste is allowed. Liquids which are in bulk form or not in containers are not permitted for disposal in the landfill. The Pershing County Landfill periodically receives grease trappings from generators in Lovelock upon acceptance at the landfill, the grease trappings are mixed with borrow soil and either used as daily cover material or deposited at the base of the active working face following a visual verification of the absence of free liquids. Sewage Sludge and Septic Tank Pumpings. Only dried sewage sludge which passes the paint filter test (EPA Method 9095) is accepted for disposal at the Pershing County Landfill. The sludge is mixed with waste and soil and placed at the bottom of the working face. Septic tank pumpings and untreated sewage are not accepted for disposal.

Hazardous/PCB Waste Exclusion Program

Pursuant to NAC 444.6665, the owner or operator shall carry out a program at the landfill which is designed to detect and prevent the disposal of regulated hazardous waste. For the purposes of this provision, hazardous waste is defined as those wastes described in Title 40 of the Code of Federal Regulations (40 CFR) Part 261. The waste exclusion program must also be applied to polychlorinated biphenyl (PCB) wastes as defined in 40 CFR Part 761.3. In addition, the Plan of Operations for a facility must include a description of procedures for excluding the receipt of hazardous waste or waste containing PCBs. These procedures include random load inspection, records maintenance, personnel training, hazardous waste handling, and notification of the solid waste management authority. Pershing County will implement a series of internal procedures, outlined below, to satisfy



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this requirement.

Random Inspection of Incoming Loads

Each incoming load will be visually inspected by the gatekeeper to identify the nature of the waste intended for disposal and estimate the total volume of the load. Incoming loads will be randomly selected for a more detailed inspection by the gatekeeper and equipment operators who are trained and qualified to identify regulated hazardous or PCB wastes. Selected loads will be discharged near the active disposal area, spread with a dozer, and inspected for free liquids and hazardous or PCB wastes by an equipment operator or gatekeeper who has been trained in the identification of these materials.

Load inspections and decisions which determine whether a suspect material can be accepted for disposal will be made according to the following procedure:

1. The waste will be unloaded in an area near, but not immediately adjacent to, the active face;
2. the hauler will be required to wait until the content of the load is verified;
3. the waste will be carefully spread for observation using a dozer or front end loader;
4. containers with contents that are not easily identifiable, such as unmarked 55-gallon drums, will be separated if a visual inspection determines that such movement will not cause the drum to rupture, and will be opened and inspected only by properly trained personnel; and,
5. if the waste is determined to be acceptable, it may be transferred to the working face for disposal.

Wastes that are suspected of being hazardous will be handled and stored as a hazardous waste until proven otherwise. If wastes temporarily stored at the site are determined to be hazardous, and the origin of the waste is unknown, the operator will contact Pershing County Fire Department, which will then be responsible for proper management of the wastes. If hazardous wastes are to be transported from the facility, they must be: stored at the landfill in accordance with the requirements of a hazardous waste generator; manifested; transported by a licensed transporter; and, disposed of at a permitted treatment, storage, or disposal (TSD) facility. NDEP will be notified of the waste characterization of any rejected loads. In addition, NDEP will be contacted to provide guidance on the proper procedures for notifying the waste generator and instructions for proper disposal.

Records of Inspections

A record of each random inspection will be maintained in the facility operating record and made available to NDEP upon request. Inspection records will include the date and time waste loads were received and inspected, the source or generator of the wastes, vehicle and driver identification, observations made by the load inspector, a description of rejected loads, and the rationale for rejection. A copy of the random inspection form used at the landfill is included in Appendix 2.

Training of Facility Personnel

All facility personnel will be trained in the identification of containers and labels typically used for hazardous and PCB wastes. Training for hazardous material screening procedures will address hazardous waste handling, safety precautions, and record-keeping requirements. Documentation of personnel training will be included with the operating record for the facility.



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Handling Procedures for Hazardous or PCB Wastes

According to 40 CFR 262.34, wastes which are determined to be hazardous may be stored at the Pershing County Landfill for up to 90 days.

Personnel at the Pershing County Landfill or the Pershing County Fire Department will perform the following tasks for all stored materials:

1. waste will be placed in tanks or 55-gallon containers;
2. the containers will be clearly labeled with the date of packaging, the words "Hazardous Waste", the hazardous waste number assigned by the United States Environmental Protection Agency; and,
3. the name and telephone number of the emergency response coordinator will be clearly marked on the container.

If waste is transported off-site by a hazardous waste disposal company, a provisional or one-time U.S. Environmental Protection Agency (EPA) identification number will be obtained, the waste will be packaged according to applicable Department of Transportation regulations, and the container will be properly transported and manifested to its point of destination. Proper chain of custody and manifest documents will be obtained from the hazardous materials disposal facility in order to maintain compliance with all applicable Federal and State regulations.

In the event that PCB wastes are identified on-site, the Pershing County Fire Department or landfill personnel will store and insure disposal of the waste in accordance with 40 CFR Part 761. The following activities will occur:

1. an EPA PCB identification number will be obtained; the PCB waste will be properly stored until transported;
2. the container will be properly marked with the words "Caution: Contains PCBs"; and,
3. the container will be manifested for shipment to a permitted disposal facility.

Control Of Explosive Gas

If landfill gas is detected at levels which exceed the LEL for methane at the waste and perimeter monitoring points, or 25 percent of the LEL in permanent facility structures, action will be taken immediately to ensure protection of public health and safety, and NDEP will be notified of the event. The levels of methane gas detected, and a description of the actions taken to protect public health and safety, will be entered into the operating record within seven days after detection. Within 60 days after detection, a plan for remediating the release of methane gas will be placed in the operating record and implemented. The plan will describe the nature and extent of the problem, as well as the proposed remediation plan. NDEP will be notified when the plan has been implemented.

Vector Controls

Disease vector control and prevention at the Pershing County Landfill are accomplished using techniques which provide for the protection of public health and safety and the environment in accordance with NAC 444.6678. The daily application of cover material is the most effective technique used to control vectors. A minimum of six inches of cover is applied to the working face of



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the active disposal area at the end of each working day, minimizing the exposure of wastes to potential disease vectors by reducing available entry space, food sources, and nesting locations. If necessary, rodent populations may be controlled by the use of poisons, smoke devices, or sonar techniques.

Operation And Maintenance

Cover Of Compacted Waste

A minimum of six inches of cover soil is placed over exposed compacted solid waste at the end of each working day. Exposed waste will be covered more frequently to control disease vectors, fires, odors, and litter, if necessary. The use of alternative daily cover materials is not anticipated at this time. With the exception of surfaces which have received a final cover in accordance with NAC 444.6891, all surfaces which will not receive additional waste for a period of 90 days or more will be covered by an intermediate cover comprised of a minimum of 12 inches of native soil. The integrity of daily and intermediate cover will be maintained until filling is resumed or final cover is added. Daily and intermediate cover surfaces will be routinely inspected; all erosion surfaces, cracks, and depressions will be repaired as soon as is practicable. Both daily and intermediate cover will be uniformly graded to promote drainage of surface water; all slopes will have a grade of not less than three percent.

Run-On And Run-Off Control System

The active disposal area will be graded to prevent the run-off of contact waters into the site drainage system. Construction of the surface water control devices described in the Report of Design, in conjunction with dry waste management practices which prohibit the disposal of liquid wastes, the daily compaction of solid wastes, and the application of daily and intermediate cover, will protect waters of the State from a discharge of pollutants or contaminants during landfill operation. The surface water drainage system will be monitored to ensure proper operation and effectiveness. Operational practices at the active face and the design of the site drainage system will be modified if it is determined that discharges from the site contain pollutants or contaminants which may degrade waters of the State.

Closure And Postclosure

Closure and post closure plans have been prepared for the Pershing County Landfill and specify activities required for compliance with NAC 444.6891 through NAC 444.686. These plans are contained in the Engineering Report submitted as part of this Application for a Permit to Operate a Class II Municipal Solid Waste Disposal Facility at the Pershing County Landfill and, as required by NAC 444.6897, will be maintained with the site operating record at the site gatehouse and the offices of the Pershing County Director of Public Works.

Contingency Plans

Fire

Landfill personnel are prepared to provide immediate fire suppression in the event of an active face or structure fire. Fire extinguishers are mounted on all heavy equipment, landfill and County vehicles and in the facility gatehouse. Soil will be stockpiled near the active face; in the event of a fire at the active face or within the waste mass, stockpiled cover soils will be used to smother the burning or smoldering area. Water will only be applied to burning waste as a last resort. Wet waste and soil will be spread and allowed to dry prior to disposal at the active face. In the event of an uncontrolled fire or



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a fire that cannot be managed by on-site personnel, the Pershing County Fire Department will be contacted. The Fire Department is located in Lovelock, approximately one mile from the landfill; estimated response time is 10-15 minutes. On arrival at the facility, the Fire Department will assume responsibility for continued fire abatement activities.

Personnel Safety

The landfill attendant will have a cellular phone at all times and will be able to contact the appropriate outside services in case of emergency. All County vehicles have two-way radios which enable contact with the County Sheriffs office, the Pershing County Fire Department, and the County Road Department.

All workers at the facility will receive basic safety and first aid training on an annual basis. At least one employee with CPR training will be available during each operating day. First aid kits will be maintained in the gatehouse and in County vehicles.

Document Availability

The ADMINISTRATIVE RECORD, which includes the DRAFT PERMIT, and correspondence are available for public review by appointment between 8:00 AM and 5:00 PM, Monday through Friday, at the Division offices located at: 901 S. Stewart St., Suite 4001, Carson City, NV 89701-5249.

Contact: Paul Eckert at (775) 687-9477, or by e-mail at: PEckert@ndep.nv.gov

Procedure for Public Review

Questions or comments may be submitted on or before the end of the public comment period.

In writing: Paul Eckert, P.E.
Nevada Division of Environmental Protection
Bureau of Waste Management
901 S. Stewart St., Suite 4001
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Phone: (775) 687-9477; fax: (775) 687-5856; e-mail: PEckert@ndep.nv.gov; or
web: [News and Public Notices](#)

The Division's Notice of Intent to approve the modified Permit for this facility, subject to the conditions contained in the Permit, will be published in a local newspaper. Additionally, the Public Notice will be mailed to interested persons on our mailing list. The Division will accept written comments on the proposed draft permit from all interested persons until the end of the public comment period.

Will there be a public hearing?

N/A

When does the comment period end?

N/A