

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION  
BUREAU OF SUSTAINABLE MATERIALS MANAGEMENT**

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**FACT SHEET FOR A RCRA HAZARDOUS WASTE PERMIT (REVISION 1)  
21<sup>ST</sup> CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA, LLC  
EPA ID #NVD980895338  
PERMIT NUMBER NEVHW0033**

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The Nevada Division of Environmental Protection (NDEP) has developed this FACT SHEET for the Resource Conservation and Recovery Act (RCRA) Permit (PERMIT) which NDEP intends to issue to the **21<sup>st</sup> Century Environmental Management of Nevada, LLC<sup>1</sup>** facility in Fernley, Nevada. The PERMIT is based on the revision application received by NDEP for the authorization to construct and operate a new Aerosol Processing Unit (APU); permanently close and remove the Silver Recovery Unit; add a new filter press; and replace Tank 303. This FACT SHEET has been prepared in accordance with the public notice requirements of *Nevada Administrative Code (NAC) 444.8632* and *Chapter 40 Code of Federal Regulations (CFR) Section 124.8*. The purpose of this FACT SHEET is to provide interested citizens and other governmental agencies a summary description of the principal facts and significant issues NDEP has considered in reviewing the submitted permit application and developing the PERMIT.

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**FACILITY DESCRIPTION**

The 21<sup>st</sup> Century Environmental Management of Nevada, LLC (21EMN) facility is located approximately 35 miles east of Reno, Nevada on approximately 10 acres of land in Fernley, Nevada. The 21EMN facility is a commercial hazardous waste treatment, storage and recycling facility. The facility contains the following permitted hazardous waste management units:

- Six (6) Container Storage Units;
- One (1) Oxidizer Waste Locker Storage Unit;
- Six (6) Alkaline/Cyanide Storage Tanks;
- Two (2) Alkaline Storage Tanks;
- Eleven (11) Acid Storage Tanks;
- Seven (7) Chemical Treatment Tanks;
- Seven (7) Post Treatment (Storage) Tanks;
- One (1) Evaporator;
- Three (3) Filter Presses;
- Two (2) Trailer Storage Areas;
- Lab Pack and Loose Pack Consolidation Operations;
- One (1) Aerosol Processing Unit;
- One (1) container storage area for the Aerosol Processing Unit; and
- One (1) 600-gallon storage tank for the Aerosol Processing Unit

**Container Storage and Waste Consolidation**

The PERMIT allows the facility to store containerized hazardous waste in six designated hazardous waste storage areas. Additionally, the facility may consolidate compatible wastes into larger or bulk containers.

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<sup>1</sup> The facility's permitted legal entity is 21st Century Environmental Management of Nevada, LLC (21 EMN), whose parent company is CleanEarth, Inc.

### **Tank Storage**

The PERMIT allows the facility to store acid, alkaline, cyanide, and aerosol liquid hazardous wastes in twenty designated storage tanks and post treatment effluent in seven designated post treatment (storage) tanks, not to exceed 179,460 gallons.

### **Tank Treatment**

The PERMIT allows the facility to treat designated hazardous wastes in seven hazardous waste treatment tanks, not to exceed 25,000 gallons per day.

### **Subpart X Units**

The PERMIT allows the facility to dewater treated hazardous waste slurries in three Filter Presses, not to exceed 25,000 gallons each per day. The PERMIT also allows the facility to treat designated hazardous waste effluent in an Evaporator, not to exceed 25,000 gallons per day. The PERMIT allows the facility to treat pre-approved aerosol products, such as paints, coatings, insecticides, cleaners, and air fresheners, in an Aerosol Processing Unit (APU), not to exceed 5,000 cans per hour. The facility was issued a Written Determination in 2002 for the recycling of hazardous waste (electrolytic silver recovery) that was later incorporated into the RCRA Permit.

### **TYPES OF WASTE TO BE HANDLED**

The facility manages acids, alkaline, metal-bearing liquids and sludge, cyanides, batteries, commercial aerosol products, and other hazardous wastes. The facility is authorized to store and/or treat only those waste identified within the permit application. The facility receives wastes in either bulk loads or containers. Wastes with greater than 500ppm Volatile Organic Compounds (VOC) or 100,000ppm Total Organic Compounds (TOC) will only be stored in containers, and may not be stored or treated in the tank systems.

### **MONITORING**

The Permittee is required to conduct quarterly groundwater monitoring due to past releases at the site. Chromium has been observed in the downgradient groundwater monitoring wells, and in response to the observed groundwater trend, the Permittee completed a RCRA Facility Investigation (RFI). The RFI results identified that chromium is limited to a localized zone of perched groundwater at the site. The Permittee has completed a Corrective Measures Study (CMS) to evaluate remedial alternatives and a Corrective Measures Implementation (CMI) workplan was developed and corrective measures implemented. Continued monitoring will be required to verify the effective performance of the installed remedial system.

### **BASIS FOR THE PERMIT CONDITIONS**

The PERMIT conditions are established pursuant to the authority of *Section 3006 of the Resource Conservation and Recovery Act (RCRA) (Chapter 40 Code of Federal Regulations as codified in Part 271), 40 CFR Parts 124, and 260 through 270, Nevada Revised Statutes (NRS) 459-520 and Nevada Administrative Code (NAC) 444.842 through 444.8746, 444.940 through 444.9555, and 444.960*. These laws and regulations govern the management of hazardous waste in the State of Nevada. The NDEP, as the authorized permitting agency for the State of Nevada, has reviewed the permit revision application submitted by 21EMN and has determined that the facility can be reasonably operated under the proposed permit conditions in accordance with applicable

regulations and in a manner which is expected to be protective of public health and the environment.

Unit-specific operation and maintenance requirements in the PERMIT also contain provisions for: waste analysis for proper management of hazardous waste; contingency plan and preparedness requirements to prevent and respond to releases of hazardous waste; personnel training requirements; inspection and record-keeping requirements; and unit-specific closure requirements.

### **REQUESTED VARIANCES**

No variances were requested with this permit modification.

### **PROCEDURES FOR REACHING A FINAL DECISION**

*Section 7004(b) of RCRA, NAC 444.8632, and 40 CFR Section 124.10* require that the public and interested agencies be given at least forty-five (45) days to comment on each DRAFT PERMIT prepared under RCRA. The comment period for the 21EMN facility will end on **January 31, 2025**. Anyone wishing to submit comments on this DRAFT PERMIT must do so within this forty-five day period.

Persons should submit written comments concerning the permit conditions to NDEP either at the Carson City address shown below, through email at [jmoran@ndep.nv.gov](mailto:jmoran@ndep.nv.gov), or through the website at <http://ndep.nv.gov/admin/public.htm>. Comments should include all reasonable available references, factual grounds, and supporting material.

**Nevada Division of Environmental Protection  
Bureau of Sustainable Materials Management  
Attn: Jocelyn Moran  
901 South Stewart Street, Suite 4001  
Carson City, NV 89701-5249**

A public hearing may be held to hear further comments if a written notice of opposition is received and a request for such a hearing is submitted. In the event that such a public hearing is requested, a time and place for the meeting will be scheduled and announced in a separate public notice at least thirty (30) days prior to the hearing.

NDEP will respond in writing to all comments received during the public comment period and statements heard at a public hearing, in the event one is held, when making a final decision.

Under the conditions of the DRAFT PERMIT, should it become final and there is no appeal, the facility will be allowed to continue their waste management operations and conduct the required monitoring activities subject to the terms of the permit and other applicable permits and legal requirements. The facility's waste management units and related activities are designed to comply with current state and federal requirements.

The ADMINISTRATIVE RECORD for the DRAFT PERMIT, which includes the APPLICATION, DRAFT PERMIT, and FACT SHEET, are available for public review by appointment between the hours of **8:00 a.m. and 5:00 p.m., Monday through Friday** at the NDEP address above. Further information and copies of the FACT SHEET may be obtained by contacting **Jocelyn Moran** of NDEP by phone at **(775) 687-9477**, by email at [jmoran@ndep.nv.gov](mailto:jmoran@ndep.nv.gov), or through the website at <http://ndep.nv.gov/admin/public.htm>.

When NDEP makes a final decision to either issue or deny the permit, notice will be given to 21EMN and to each person who has submitted written comments or requested a notice of the final decision. In the event that significant comments are received, the final permit decision shall become effective thirty (30) days after service of the notice of decision unless an appeal is filed with the State Environmental Commission (within 10 days after notice of the action of the Department) under *NAC 445B.340*. If no comments are received regarding the draft permit, the final permit shall become effective immediately upon issuance.

Please bring the foregoing notice to the attention of all persons whom you believe would be interested in this matter.