

STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

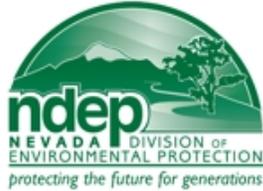
Jim Gibbons, Governor

Allen Biaggi, Director

Leo M. Drozdoff, P.E., Administrator

FACT SHEET EDEN Research Facility

- On Sept. 26, 2008, EDEN Research, LLC formally submitted application materials to the Nevada Division of Environmental Protection (NDEP) for the EDEN Research Facility to be located in an enclosed building within the Dayton Valley Air Park at 10 Air Park Vista Boulevard, Dayton, NV.
- NDEP's part in the process of locating EDEN's Research Facility to Dayton is minimal. NDEP is charged with processing a Water Pollution Control permit and an Air Quality Control Permit. Lyon County is the entity charged with approving a zoning and use permit for the facility to operate at this location.
- NDEP's public comment period ended July 31, but we will gather comments from this hearing to include in the permit process. The public is invited to speak about any concerns specifically regarding the issuance of a Water Control Permit at this meeting. Comments about the company or the location will not be included in NDEP's permit process.
- EDEN intends to use proprietary technology to extract certain minerals and metals (including gold and silver) from mineralized material (e.g. alluvium and mine wastes) using sodium cyanide, oxidizing and reducing agents, proprietary organic compounds and other chemical reagents. The maximum authorized processing rate is 36,000 tons of ore per year.
- The EDEN facility is authorized to operate as a zero discharge facility. **"Zero discharge"** means the standard of performance for the protection of surface waters which requires the containment of all process fluids.
- Ore will be transported to EDEN by truck and all beneficiation and chemical processing will take place in an enclosed building with containment. Facilities are required to be designed, constructed, operated and closed without any discharge or release in excess of those standards established in regulation.
- EDEN is authorized to only process ore obtained from facilities currently permitted and authorized by NDEP.
- For ore feed material from in-state sources currently not permitted by NDEP, and for out of state sources, EDEN must submit to NDEP appropriate application materials and fees for either a separate site-specific Permit for the ore source or incorporation of the ore source into this Permit as a Major Modification.



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- Prior to the transportation of any ore from its source to the process facility, EDEN Research must characterize (analyze) the material.
- The ore will be mixed with water and various reagents in a vibrating mill. The wet material is dewatered, dried and then granulated to finish product size for bagging and shipment to off-site customers. All solid and liquid residues generated are returned back into the process circuit for reuse where practical, depending on the concentration of constituents present.
- Solids and liquids that can no longer be recycled or reused are characterized and removed by a licensed hauler off-site for disposal at a permitted waste facility. The location and disposal must be approved or permitted by applicable federal, state, or local authorities.
- Prior to any expansion or modification to any of the processing operations, approval from NDEP will be required. Any expansion or change will require an engineering review, modification of the permit and payment of additional fees.
- On the basis of preliminary review of the requirements of the Nevada Revised Statutes (NRS), as amended and implementing regulations, the Administrator proposes to issue WPCP NEV2008107 for a five (5) year period, subject to certain limitations.
- As residents of Dayton, you have been invited to attend this hearing and provide comments and information that are pertinent to the WPCP Permit. Please note that comments not related to water quality issues cannot be considered. NDEP may set a five-minute time limit for oral statements based on the number of people who wish to speak. Comments can also be submitted in writing to be fully addressed in the Notice of Decision, but must be submitted by the close of tonight's hearing.
- **All relevant comments and information received in writing during the public notice period and public hearing will be considered in the final determination regarding this draft permit.**
- For more information, visit NDEP's web page regarding the EDEN Research Facility permit at <http://ndep.nv.gov/eden/index.htm>. For public information or media inquiries, contact Jill Lufrano, NDEP's Public Information Officer, at 775-687-9395.