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TDD 687-4678

Administration

Water Pollution Control

Facsimile 687-5856

Mining Regulations & Reclamation

Facsimile 684-5259

State of Nevada  
KENNY C. GUINN  
*Governor*



Waste Management  
Corrective Actions  
Federal Facilities

Air Quality  
Water Quality Planning

Facsimile 687-6396

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
**DIVISION OF ENVIRONMENTAL PROTECTION**

333 W. Nye Lane, Room 138

Carson City, Nevada 89706

April 23, 2001

Mr. Art Fisher  
Naval Air Station, Fallon  
Public Works Department  
Environmental Division-Code 187JD  
4755 Pasture Rd.  
Fallon, NV 89496

**Subject:** Conceptual Design for Biopile Soil Bioremediation at the Fallon Naval Air Station

The Nevada Division of Environmental Protection (NDEP) has received and evaluated your April 13, 2001 facsimile submittal. This document was prepared by Pintail Systems, Inc. (PSI) (contractor) in response to a NAS-Fallon Request for Proposal. The purpose of this document is to develop the conceptual designs for treatment of total petroleum hydrocarbons (TPH) impacted soil using a biopile with laboratory cultures prepared at the contractors Aurora, Colorado facility. The following comments represents NDEP's concerns that need to be addressed prior to initiation of the project.

Comment No. 1, General: The introduction of laboratory-produced cultures historically have been successful in Nevada only when the bioremediation plot is properly maintained. Maintenance typically consists of limited soil thickness (1 to 3 feet), proper temperature, moisture, and routine tilling.

Comment No. 2, General: The document title states "Conceptual Design for Biopile Soil..."; however, the document does not provide design or construction information of the biopile, impermeable barrier, or leachate/runoff collection, testing or disposal, if necessary.

Note: This letter is for electronic distribution. The original signed letter is on file at the address shown on the letterhead.

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Comment No. 3, Sampling and Analysis: NDEP will be on-site during the collection of the 12 pre-culture introduction samples.

Comment No. 4, Report Submittals: NDEP needs to be provided copies of interim reports provided by the contractor.

If you have any questions, or need further clarification, please do not hesitate to contact me at (775) 687-4670, extension 3029.

Sincerely,

Ken Scarbrough.  
Bureau of Federal Facilities

KS/REN/js

cc:

Douglas Bonham, NAS Fallon  
Jim Brown, EFA Northwest, Naval Facilities Engineering Command  
Bill Stephens, RAB Community Co-Chair  
Karen Beckley, NDEP/BFF  
Eric Noack, NDEP/BFF