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Certified Mail - Return Receipt Requested

April 25, 2022

Tim Davis
Chief Environmental Officer
National Aeronautics and Space Administration
White Sands Test Facility
P.O. Box 20
Las Cruces, NM 88004-0020

Attention of: RE-21-139

**RE: APPROVAL WITH MODIFICATION
WORK PLAN FOR DRILLING AND INSTALLATION OF MONITORING WELL 600B-001-GW
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHNSON SPACE CENTER WHITE SANDS TEST FACILITY
DOÑA ANA COUNTY, NEW MEXICO
EPA ID #NM08800019434
HWB-NASA-21-015**

Dear Mr. Davis:

The New Mexico Environment Department (NMED) has received the National Aeronautics and Space Administration Johnson Space Center White Sands Test Facility (Permittee) *Work Plan for Drilling and Installation of Monitoring Well 600B-001-GW* (Work Plan), dated August 31, 2021. NMED has completed review of the Work Plan and hereby issues this Approval with following modification.

MODIFICATION

Introduction and Background, Page 1

Permittee Statement: "Groundwater samples from well BLM-28 contained some of the highest nitrate concentrations at WSTF; up to 37.7 mg/L [milligrams per liter] from sample collected from the open hole on May 8, 2020, using a QED® Snap Sampler."

NMED Comment: The use of passive groundwater samplers such as the QED® Snap Sampler is not appropriate for the collection of groundwater samples at monitoring wells at White Sands Test Facility. All groundwater samples for compliance with Hazardous Waste Permit

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Hazardous Waste Bureau - 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico 87505-6313
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Mr. Davis
April 25, 2022
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requirements must be collected with purgeable sampling systems. However, based on the proposed use of a purgeable system for groundwater sample collection at the nested monitoring wells at 600B-001-GW following well development, no changes to the Work Plan are required.

The groundwater monitoring well completion report for monitoring well 600B-001-GW must be submitted to NMED for review no later than **April 28, 2023**. No changes to the Work Plan are required in response to this comment.

This approval is based on the information presented in the document as it relates to the objectives of the work identified by NMED at the time of review. Approval of this document does not constitute agreement with all information or every statement presented in the document.

If you have any questions regarding this letter, please contact Gabriel Acevedo at (505) 690-5760.

Sincerely,

Rick Shean

Digitally signed by Rick
Shean
Date: 2022.04.25 09:14:06
-06'00'

Rick Shean
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
B. Wear, NMED HWB
G. Acevedo, NMED HWB
L. King, EPA Region 6 (GLCRRC)
A. Sanchez, NASA WSTF

File: NASA 2022 and Reading

HWB 3391
New Mexico Environment Department
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