



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us



DAVE MARTIN
Cabinet Secretary

BUTCH TONGATE
Deputy Secretary

THOMAS SKIBITSKI
Acting Director
Resource Protection Division

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

January 16, 2013

Radel Bunker-Farrah
Chief, Environmental Office
National Aeronautics and Space Administration
White Sands Test Facility
P.O. Box 20
Las Cruces, NM 88004-0020

Attention of: RE-12-148

**RE: APPROVAL
300 AREA CLOSURE SOIL VAPOR SAMPLING
SECOND FOLLOW-UP REPORT
NATIONAL AERONAUTICS SPACE ADMINISTRATION (NASA)
JOHNSON SPACE CENTER (JSC) WHITE SANDS TEST FACILITY (WSTF)
DOÑA ANA COUNTY, NEW MEXICO
EPA ID #NM08800019434
HWB-NASA-12-017R**

Dear Ms. Bunker-Farrah:

The New Mexico Environment Department (NMED) has received the NASA WSTF (Permittee) *300 Area Closure Soil Vapor Sampling Second Follow-up Report* (Report), dated October 2012 and received October 24, 2012. The Report summarizes the results of the analyses of soil vapor samples collected in July 2012 from monitoring points located in the 300 Closure Area. NMED has completed its review of the Report, hereby approves the Report and provides the following comments.

Review Comments:

1. Figure 3.1, 300 Area Closure Map with MSVM Well Locations:

NMED Comment: While the figure is useful in terms of showing the locations of the multiport soil vapor monitoring (MSVM) wells located in and adjacent to the 300 Area Closure, similar figures showing estimated iso-concentration lines for various chemicals of concern (COCs) during each sampling event would be even more useful. Provide those types of figures in the third follow-up report for sampling that will be performed in January 2013.

2. COC Concentration Changes:

NMED Comment: Table 4.1 provides summaries of COC concentrations in samples collected from the MSVM wells in January/February 2011, February 2012 and July 2012. NMED noted substantial (nearly an order of magnitude to over an order of magnitude) increases in Freon 11 and 113 concentrations at several MSVM locations in July 2012 as compared to results from the February 2012 sampling. At some locations, Freon 21 and trichloroethylene (TCE) also increased by relatively large concentrations during the July 2012 sampling compared to the February 2012 sampling. In many cases, it appears that the highest COC concentrations were from the deepest well sampling ports. Provide a discussion of the significance of these increases (or decreases, if applicable) in the April 2013 third follow-up report on sampling that will be performed in January 2013. As appropriate, compare the overall 300 Area Closure COC concentrations with results found at monitoring locations in the 200 Area, between the 200 and 600 Area Closures, and the 600 Area Closure.

If you have any questions regarding this letter, please contact Daniel Comeau at (505) 476-6043.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
D. Comeau, NMED HWB
R. Isaac, NMED GWQB
J. Dyer, NMED SWB
L. King, EPA 6PD-N
T. Davis, NASA WSTF
M. Zigmund, NASA WSTF

New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg.1
Santa Fe, New Mexico 87505

CERTIFIED MAIL™



7011 3500 0002 1601 1914



Hasler

016H26523547
\$05.95
01/17/2013
Mailed From: 87505
US POSTAGE

Radel Bunker-Farrar
Chief, Environmental Office
NASA/WSTF
P.O. Box 20
Las Cruces, New Mexico 88004-0020

880040020 8900

