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MEMORANDUM

TO: File

FROM: Sid Brandwein, Environmental Specialist, Permits Management Program

SUBJECT: **FOURTH QUARTER SPLIT-SAMPLING, KAFB BULK FUELS
FACILITY SPILL**

DATE: December 6, 2011 and updated January 26, 2012

During the fourth quarter of 2011, NMED collected groundwater samples with the Shaw sampling team at twelve groundwater monitoring wells associated with the Kirtland Air Force Base Bulk Fuels Facility Spill. The wells sampled included: KAFB-1067, KAFB-106032, KAFB-106033, KAFB-106034, KAFB-106038, KAFB-106066 {actually KAFB-106065 –see addendum below}, KAFB-106082, KAFB-106083, KAFB-106084, KAFB-106105, KAFB-106106, and KAFB-106107. The samples were collected between October 12 and November 7, 2011.

The water samples were sent to ALS's laboratory in Ft. Collins, CO, for analysis.

Analyses and methods included VOCs (8260), PAH-SVOCs (8270 SIMPAHD), GRO (8015), DRO (8015), EDB (8011), anions (300), alkalinity (310.1), ammonia as nitrogen (350.1), nitrate plus nitrite as nitrogen (353.2), sulfide (376.1), total metals (TAL -6010) and dissolved Fe and Mn (6010).

All laboratory results have been received.

Addendum – January 26, 2011

Due to an error (see attached copy of email) the sample labeled KAFB-106066 is actually a sample from KAFB-106065.

From: Moats, William, NMENV
To: Kieling, John, NMENV; Brandwein, Sid, NMENV; McDonald, William, NMENV
Subject: FW: Split sample KAFB-106066
Date: Tuesday, January 10, 2012 8:58:51 AM

FYI.

Sid - please indicate on the lab data sheets the correct well number and attach a copy of this e-mail to the lab data.

- Will

-----Original Message-----

From: Bitner, Ludie W Jr Civ USAF AFMC 377 MSG/CEANR [<mailto:Ludie.Bitner@kirtland.af.mil>]
Sent: Monday, January 09, 2012 4:22 PM
To: Moats, William, NMENV
Cc: Agnew, Diane; Moss, Pamela J; Cooper, Thomas; Migdal, Walter SPA; Carrillo, Ana R Civ USAF AFMC 377 MSG/CEA; Wilson, Brent Civ USAF AFMC 377 MSG/CE; Bohannon, Herbert C Civ USAF AFMC 377 MSG/CE2; Pike, John S Civ USAF AFMC 377 MSG/CEAN; Martinez, Victoria R Civ USAF AFMC 377 MSG/CEANR
Subject: RE: Split sample KAFB-106066

Will

This is the issue I left a phone message concerning. Seems there was a mix up when the samples were collected/labeled at the KAFB 106065 and 066 (Bullhead Park locations). As described below Shaw is taking steps to QC the well ID numbers insuring they are now labeled correctly. Tom assured me the data was reported correctly in the last Quarterly Report, they caught the mistake and matched data accordingly. We wanted to notify you as soon as the base was aware of the mistake, allowing you to account for the mix up in your analytical result. Finally will an explanation via email suffice to correct this mistake or do you require a formal letter?

Wayne

-----Original Message-----

From: Cooper, Thomas [<mailto:thomas.cooper@shawgrp.com>]
Sent: Monday, January 09, 2012 4:12 PM
To: Bitner, Ludie W Jr Civ USAF AFMC 377 MSG/CEANR; Migdal, Walter SPA
Cc: Agnew, Diane; Moss, Pamela J
Subject: FW: Split sample KAFB-106066

Wayne

This email is to follow up on our phone conversation. Please see Pam's email below. We will need to notify NMED about this issue. We (Shaw) have initiated a comprehensive QC check of all well labeling. We developed a master well ID "Book" from our master database. An independent checker (not a member of the field sampling crew) will use this book to confirm the correct well IDs are on the wells. The total depth of the wells will be tagged as part of this effort to confirm the well IDs.

Please let me know if you have any questions or would like to discuss.
Also, let me know if you want Shaw to communicate this issue directly with NMED.

Thanks

Tom Cooper, PG, PMP
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From: Moss, Pamela J
Sent: Monday, January 09, 2012 4:09 PM
To: Cooper, Thomas
Subject: FW: Split sample KAFB-106066

Tom,

NMED requested a split sample from well KAFB-106066 in Qtr 4. This sample was collected on 11/1/11. When I was reviewing the analytical data for the discharge of purge water it came to my attention that the results for KAFB-106066 (which were previously nondetect) were now haz waste for benzene. Investigation at the lab and with Diane O. determined that the tags that were put on wells KAFB-106065 and KAFB-106066 after the Q3 sampling were reversed. NMED actually sampled the haz well KAFB-106065 not KAFB-106066. They will probably be surprised when they get their data back. Plz let me know if you have any other questions regarding this. thx.

Pam

Pamela Moss

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