



KAFB BFFS
ST 106 / 111

From: [Murphy, Robert, NMENV](#)
To: sheen.kottkamp.1@us.af.mil
Cc: [Cobrain, Dave, NMENV](#)
Subject: Question regarding Rev 1 Data Gap Well Installation Work Plan
Date: Thursday, October 1, 2020 2:40:26 PM

Hello Sheen,

I have read through the KAFB Rev 1 Data Gap Well Installation Work Plan and noticed a discrepancy regarding geophysical logging. The response to comments states that a dual-induction logging tool will be employed as directed by NMED but the work plan itself refers to a gamma-neutron tool. Please confirm that the contractor will be using a dual-induction tool.

Thank you,

Rob Murphy
Environmental Scientist
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Dr. East, Bldg. 1
Santa Fe, NM 87504
(505) 476-6022 office
(505) 795-1403 cell
Robert.Murphy@state.nm.us
<https://www.env.nm.gov/hazardous-waste/>

KAFB4997



KAFB BFPS
ST 106/111

From: [Murphy, Robert, NMENV](#)
To: [KOTTKAMP, SHEEN T GS-13 USAF AFCEC AFCEC/CZOW](#)
Cc: [Cobrain, Dave, NMENV](#)
Subject: RE: Question regarding Rev 1 Data Gap Well Installation Work Plan
Date: Tuesday, October 6, 2020 11:46:33 AM

Sheen,

NMED provided direction to log the boreholes with the dual-induction tool because of poor quality of the gamma-neutron logs acquired in the past and to limit the scope of additional work required by NMED. The dual-induction logs are at least somewhat helpful with correlation of clay layers across the site. NMED sees the source area borehole(s) as an opportunity to collect a combined data set from core and geophysics that does not yet exist and that can be used to better characterize and understand subsurface conditions across the site. Ideally, both dual-induction and gamma-neutron tools would be employed. If a choice must be made between the two, the dual-induction tool must be used, as directed by NMED and agreed to by KAFB in the response to comments.

Rob Murphy

From: KOTTKAMP, SHEEN T GS-13 USAF AFCEC AFCEC/CZOW <sheen.kottkamp.1@us.af.mil>
Sent: Monday, October 5, 2020 11:10 AM
To: Murphy, Robert, NMENV <Robert.Murphy@state.nm.us>
Cc: Cobrain, Dave, NMENV <dave.cobrain@state.nm.us>
Subject: [EXT] RE: Question regarding Rev 1 Data Gap Well Installation Work Plan

No problem Rob. The gamma-neutron methodology is the preferred methodology for a cased, non-fluid filled hole. The contractor to perform the geophysical logging will be Jet West Geophysical Services. Sheen

From: Murphy, Robert, NMENV <Robert.Murphy@state.nm.us>
Sent: Monday, October 5, 2020 10:20 AM
To: KOTTKAMP, SHEEN T GS-13 USAF AFCEC AFCEC/CZOW <sheen.kottkamp.1@us.af.mil>
Cc: Cobrain, Dave, NMENV <dave.cobrain@state.nm.us>
Subject: [Non-DoD Source] RE: Question regarding Rev 1 Data Gap Well Installation Work Plan

Sheen,

Thank you for the quick response. NMED's direction was to use dual-induction. Why has KAFB decided to use gamma-neutron instead?

Rob Murphy

From: KOTTKAMP, SHEEN T GS-13 USAF AFCEC AFCEC/CZOW <sheen.kottkamp.1@us.af.mil>
Sent: Friday, October 2, 2020 3:23 PM
To: Murphy, Robert, NMENV <Robert.Murphy@state.nm.us>
Cc: Cobrain, Dave, NMENV <dave.cobrain@state.nm.us>
Subject: [EXT] RE: Question regarding Rev 1 Data Gap Well Installation Work Plan

Good afternoon gentlemen. My apologies for the discrepancy. The work plan is correct. We will be employing gamma-neutron methodology for the geophysical logging of the wells. Have a good weekend. Sheen

From: KOTTKAMP, SHEEN T GS-13 USAF AFCEC AFCEC/CZOW
Sent: Thursday, October 1, 2020 3:05 PM
To: Murphy, Robert, NMENV <Robert.Murphy@state.nm.us>
Cc: Cobrain, Dave, NMENV <dave.cobrain@state.nm.us>
Subject: RE: Question regarding Rev 1 Data Gap Well Installation Work Plan

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KAFB BFFS

ST 106 / 114

From: [Murphy, Robert, NMENV](#)
To: [Andress, Lane, NMENV](#)
Subject: FW: Question regarding Rev 1 Data Gap Well Installation Work Plan
Date: Thursday, October 8, 2020 7:23:11 AM

From: KOTTKAMP, SHEEN T GS-13 USAF AFCEC AFCEC/CZOW <sheen.kottkamp.1@us.af.mil>
Sent: Tuesday, October 6, 2020 2:00 PM
To: Murphy, Robert, NMENV <Robert.Murphy@state.nm.us>
Cc: Cobrain, Dave, NMENV <dave.cobrain@state.nm.us>
Subject: [EXT] RE: Question regarding Rev 1 Data Gap Well Installation Work Plan

Understood. I'll share with the Corps and contractors. Thanks Rob. Sheen

From: Murphy, Robert, NMENV <Robert.Murphy@state.nm.us>
Sent: Tuesday, October 6, 2020 11:47 AM
To: KOTTKAMP, SHEEN T GS-13 USAF AFCEC AFCEC/CZOW <sheen.kottkamp.1@us.af.mil>
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