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From: [Dale, Michael, NMENV](#)
To: [Paris, Steven M](#)
Cc: [Wear, Benjamin, NMENV](#); [Dhawan, Neelam, NMENV](#); [Buckley, Jocelyn Yolanda \(jbuckley@lanl.gov\)](#); [Shen, Hai](#); [Tim Goering \(tgoering@lanl.gov\)](#)
Subject: RE: Revisions to the upcoming FY16 Q4 TA-16 260 IFGMP monitoring event
Date: Wednesday, September 21, 2016 8:57:26 AM

Steve,

In response to your e-mail below, NMED approves the request to waive the MY16 Q4 sampling at wells CdV-9-1(i), CdV-16-1(i), CdV-16-2(i)r & R-25b. Please notify NMED as soon as possible if changes or conditions warrant further discussion concerning this issue.

Thank you,

Michael R. Dale
New Mexico Environment Department
1183 Diamond Drive, Suite B
Los Alamos, NM 87544
LANL MS M894
Cell Phone: (505) 231-5423
Office Phone (505) 476-3078

From: Paris, Steven M [mailto:smparis@lanl.gov]
Sent: Tuesday, September 20, 2016 2:56 PM
To: Dale, Michael, NMENV
Cc: Archuleta-Mares, Christina; Goering, Tim J; Buckley, Jocelyn Yolanda; Shen, Hai; Robinson, Bruce Alan; Wear, Benjamin, NMENV; Cobrain, Dave, NMENV; Dhawan, Neelam, NMENV; Fellenz, David; Yanicak, Steve; Longmire, Patrick; Green, Megan; Granzow, Kim
Subject: RE: Revisions to the upcoming FY16 Q4 TA-16 260 IFGMP monitoring event

Michael,

LANL would like to propose one revision to the agreement below.

Since the TA-16 260 Q1 sampling event is currently scheduled to start in early November, we would like to eliminate the October sampling (highlighted below) and sample CdV-9-1(i), CdV-16-1(i), CdV-16-2(i)r & R-25b during the regular scheduled sampling event for TA-16 260 in November. This would result in waiving MY16 Q4 sampling requirements for these four wells.

Please provide your concurrence or comments.

Thanks,

Steve



Steve Paris
Groundwater Monitoring Project Manger
Los Alamos National Laboratories
606-0915

From: Dale, Michael, NMENV [<mailto:Michael.Dale@state.nm.us>]
Sent: Tuesday, August 30, 2016 10:37 AM
To: Paris, Steven M <smparis@lanl.gov>
Cc: Archuleta-Mares, Christina <xtina@lanl.gov>; Goering, Tim J <goering@lanl.gov>; Buckley, Jocelyn Yolanda <jbuckley@lanl.gov>; Shen, Hai <hai.shen@em.doe.gov>; Robinson, Bruce Alan <robinson@lanl.gov>; Wear, Benjamin, NMENV <Benjamin.Wear@state.nm.us>; Cobrain, Dave, NMENV <dave.cobrain@state.nm.us>; Dhawan, Neelam, NMENV <neelam.dhawan@state.nm.us>; Fellenz, David Richard <dfellenz@lanl.gov>; Yanicak, Stephen M <syanicak@lanl.gov>; Longmire, Patrick <plongmire@lanl.gov>; Green, Megan <mgreen@lanl.gov>; Granzow, Kim P <kgranzow@lanl.gov>
Subject: RE: Revisions to the upcoming FY16 Q4 TA-16 260 IFGMP monitoring event

Steve,

NMED is in agreement with the proposed changes in scope concerning the upcoming Q4-IFGMP TA-16 260 monitoring group sampling as present below in your e-mail. Please contact NMED if any additional revisions are needed.

Thank you,

Michael R. Dale
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Office Phone (505) 476-3078

From: Paris, Steven M [<mailto:smparis@lanl.gov>]
Sent: Tuesday, August 30, 2016 8:54 AM
To: Dale, Michael, NMENV
Cc: Archuleta-Mares, Christina; Goering, Tim J; Buckley, Jocelyn Yolanda; Shen, Hai; Robinson, Bruce Alan
Subject: Revisions to the upcoming FY16 Q4 TA-16 260 IFGMP monitoring event

Michael,

LANL would like to implement the following revisions to the FY16 Q4 TA-16 260 IFGMP monitoring event coming up in September:

Postpone Scope:

- Postpone sampling at CdV-9-1(i), CdV-16-1(i), CdV-16-2(i)r & R-25b due to ongoing aquifer test.
- Sample CdV-9-1(i), CdV-16-1(i), CdV-16-2(i)r & R-25b in October 2015 following the aquifer test.

The postponements and subsequent resampling are requested as to not interfere with the ongoing aquifer test at TA-16 260.

Revised Scope:

- CdV-R-37-2 – Sample per Groundwater Sampling SOP IPC 5. This revision deletes the special sampling requirement for a 36 CV plus drop pipe volume. In addition, analyses are modified to exclude all analytical groups presented in IFGMP MY16 Table 6.4-1 with the exception analyzing for Low-Level Tritium and HEXMOD.

This revised MY16 scope for CdV-R-37-1 is consistent with that requested in MY17 by NMED in their approval with modifications IFGMP MY17 letter dated August 29, 2016.

Additional scope:

- R-58 TPH Samples
 - Collect first TPH sample at 1 CV plus drop pipe volume. Analyze for TPH-DRO (WSP-DRO), Sample prep is unfiltered. Sample type "W". No field QA. 15d analytical turnaround time
 - Collect second TPH sample at the same time the IFGMP sample is collected. Analyze for TPH-DRO (WSP-DRO), Sample prep is unfiltered. Sample type "WG". No field QA samples. 15d analytical turnaround time
- R-58 Extended Purge Samples
 - Collect samples at 3, 6, 9, 12, and 15 CVs. Field prep is filtered. Sample type is "W". No field QA samples. Analyze for anions (WSP-EES6-anions), cations (WSP-EES6-met), and alkalinity and pH (WSP-EES6-alk).

Additional sample prep and analysis requirements. Conduct micro-filtration (0.02 micron filter) in the field, prior to acidification, on additional samples collected at 3, 6, 9, 12, and 15 CVs and analyze those samples for cations, (WSP-EES6-met). Unique sample ids shall be assigned to the micro-filtration samples. Identify all non-IFGMP samples as "W" "Test". No QC samples required.

This scope is included to investigate elevated Fe and Mn in groundwater samples at this location and also implements a requirement in NMEDs approval with modifications IFGMP MY17 letter dated August 29, 2016

Please provide your concurrence or comments.

Thanks,

Steve

Steve Paris
 Groundwater Monitoring Project Manger
 Los Alamos National Laboratories
 606-0915