

MORASH, MELANIE

From: MORASH, MELANIE
Sent: Tuesday, March 01, 2016 2:14 PM
To: Niemeyer, Linda (CO) (Contr); Hadlock, Holly; Levine, Herb; Ledbetter, Ray
Cc: Mora, Rebecca; Holbrook, Holly; Kwan, Joseph P (CO); Shaffer, Caleb; DIAZ, ALEJANDRO; Elizabeth Brown; Heather O'Cleirigh; Joseph Innamorati; Michele Yuen; Morgan Gilhuly; Nancy-Jeanne LeFevre; Peter Bennett; Peter Scaramella; Shau Luen Barker; Shaun Moore; Todd Maiden; Wendy Feng; Wes Hawthorne
Subject: EPA Approval - TRW Microwave Site (Sunnyvale, CA) - Tech Memo & Tech Memo Addendum

Good afternoon, Linda,

Thank you for submitting this addendum and the original Tech Memo referenced below.

EPA has reviewed these documents and generally concurs with your evaluation and findings. These findings include the following conclusions:

- Zone B2 contamination at the TRW Microwave Site may be at least partially attributed to off-site sources, including the Philips Site at 811 Arques Avenue;
- Demonstration of contaminant pathways from off-site sources using Environmental Sequence Stratigraphy;
- Recommendation that well 38-C (Zone A), T-17B, T-4B, and T-9B (Zone B1), and T-10C (Zone B2), shown to be impacted by off-site sources, not be used to evaluate on-site contamination concentration trends or effectiveness of on-site remediation;
- Data analysis that supports the reclassification of existing downgradient well T-9C to a Zone B3 well, which will continue to be monitored annually;
- Additional source area remediation activities, including source area excavation and enhanced anaerobic bioremediation injections, which have resulted in improved downgradient groundwater quality; and
- Need for continued monitoring to evaluate trends in groundwater concentrations and assess the need for additional remedial action.

We look forward to continuing to work with you on this important project.

Regards,

Melanie Morash

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From: Niemeyer, Linda (CO) (Contr) [<mailto:Linda.Niemeyer@ngc.com>]
Sent: Monday, January 25, 2016 7:55 PM
To: MORASH, MELANIE <morash.melanie@epa.gov>; Hadlock, Holly <Hadlock.Holly@epa.gov>
Cc: Mora, Rebecca <Rebecca.Mora@aecom.com>; Holbrook, Holly <Holly.Holbrook@aecom.com>; Kwan, Joseph P (CO) <Joe.Kwan@ngc.com>
Subject: RE: TRW Microwave Site Meeting

Hi Melanie,

Attached is our addendum to the *Tech Memo in Response to the 2014 Five Year Review Report* that we submitted in 2015. As discussed in Item No. 1 of my email below, the addendum provides an update on groundwater quality following the late 2014 source area remediation activities and also incorporates the results of the stratigraphic/contaminant pathways study that we presented during our December 2015 meeting with you. We understand that USEPA plans to prepare a response to our 2015 tech memo, so we wanted this supplemental information to be considered in that response.

We are currently working on an updated conceptual site model document (Item No. 2 in my email below) and expect to get that to you soon. Please let us know if you have questions on the attached addendum or any other aspects of our project activities.

Thanks,
Linda

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