Ex. 5 Deliberative Process (DP)

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Sent: Friday, September 30, 2016 10:18 AM
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Subject: ST012 Containment Field Variance Memo

BCT members

On behalf of the Air Force (AF), please find attached the ST012 Containment Field Variance Memo (FVM). The AF and Amec Foster Wheeler are preparing to start implementing the construction for containment as described in the FVM the week of October 10, 2016. To support this schedule, it would be appreciated if EPA and ADEQ could identify any comments or concerns with the FVM by 10 October 2016. If we do not hear from the EPA or ADEQ by October 10, 2016 construction activities will proceed. Please let Cathy know if additional information is needed or it would be useful to have a conference call prior to mobilization.

Additionally, The AF offers the following responses to the elements requested for the work plan in the email from EPA dated 15 September 2016.

* which wells will be used; **Response: The wells are listed.**

* well construction details; **Response: Well construction diagrams are included.**

* intended extraction rates; **Response: Wells will be level controlled rather than flow controlled. Estimates of overall extraction rates are discussed but will be refined during optimization.**

* hydraulic capture model; **Response: Hydraulic capture modelling is not necessary at this time. AF expects to establish containment through active extraction and monitoring as was conducted during the pre-SEE containment extraction period. The evaluation of containment effectiveness would be based on post-SEE characterization results, the new monitoring network, and the observed hydraulic response after startup of the containment extraction system.**

* pumps to be used and contingency for backup replacement pumps; **Response: Pump model numbers and number of backups are indicated.**

* consideration of accumulated NAPL recovery in pumped wells; **Response: Discussion of considerations for accumulated LNAPL are included.**

* treatment system design and configuration; **Response: Treatment system design and configuration from Addendum 2 is included.**

* field logistics/ personnel; and **Response: An estimated schedule is provided.**

* health and safety concerns with heated fluids **Response: Health and safety aspects are included.**

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Construction Remediation

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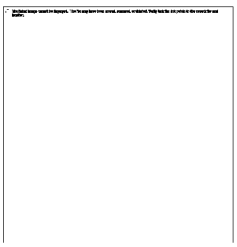

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