

**Stakeholder Meeting Action Items  
Chemical Co-Located and Phase 3 Sampling**

**Status Update: August 9, 2012**

#	Action Item	Date Requested	Progress
1.	Add back sampling point near solar concentrator area in HSA 8 North (field check to select one of 25, 26, or 27)	3/25/11	Completed – selected #27
2.	Add back sample location 86 at FSDF in HSA 8 North	3/25/11	Completed
3.	Add back sample location 108 near Building 4009 in HSA 8 North	3/25/11	Completed
4.	Add back sample locations 137 and 136 and add plus (+) in southern portion of Building 56 Landfill site in HSA 8 North	3/25/11	Completed
5.	Compile information regarding TCE in soil and groundwater in/near Building 4055	4/20/11	Completed
6.	Add Adam Salkin to meeting distribution list	5/5/11	Completed
7.	Add a plus (+) symbol to the area northeast of sampling number 193 in HSA 5D North to indicate an area that will need to be looked at more carefully in future sampling	5/5/11	Completed
8.	Re-select sample number 112 in HSA 5D North	5/5/11	Completed

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9.	DOE should consider conducting a redistribution study for cesium and other radionuclides at Building 55, since that building is still standing	5/5/11	Completed (spoke with stakeholder, no action needed)
10.	DOE will once more contact DOE headquarters expressing the communities' desire to begin decontamination, decommission, and demolition activities on the remaining buildings in Area IV	5/5/11	Completed
11.	Provide information regarding radiological soil cleanups near recent EPA gamma AOIs	5/12/11	Completed
12.	Provide information regarding NDMA results and sampling approach	6/29/11	<p>Completed and in progress.</p> <p>Discussed July 13<sup>th</sup> and October 18<sup>th</sup> meetings.</p> <p>Validated results are reported in the HSA 5C Results Technical Memorandum, and will continued to be reported as additional Technical Memoranda are prepared.</p>
13	Provide information about QAPP and Lancaster co-located reporting limits	6/29/11	Completed – draft tables provided during July 13 meeting

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14	Identify tetralin (1,2,3,4, tetrahydro-naphthalene) toxicity and degradation products, and modify sampling analysis if appropriate	6/29/11	Completed - discussed at July 13 <sup>th</sup> meeting.  Chemical added to co-located analyte list; no change in sample analysis needed.  Degradation and toxicological information researched and provided to DTSC.
15	Reselect #80, 157, 162 and add three "+" signs near SRE leach field, one in the Building 4143 area, and two at Building 4064 area in HSA 6	6/29/11	Completed
16	Contact Regional Water Quality Control Board about location of Outfall 004	6/29/11	In progress, discussion planned
17	Show interested stakeholder where documents are on DTSC website	6/29/11	Completed
18	Schedule follow-up stakeholder meeting for discussion of data validation process	7/13/11	In progress – meeting date TBD
19	Provide HSA 5C technical memorandum for co-located sampling results by Aug 17 <sup>th</sup>	7/13/11	Completed. Technical Memorandum – Co-Located Chemical Sampling Results at HSA 5C provided to stakeholders on Sep 26, 2011.

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20	Present discretionary sampling recommendations for dioxins (and VOCs?) at EPA/DTSC meeting Aug 17	7/13/11	<p>VOCs – revised approach as discussed at July 13<sup>th</sup> meeting with stakeholders approved on Jul 22 and being implemented for sampling in HSA 6.</p> <p>Dioxin data evaluation in progress, trends in data will be used to determine sampling strategy in future Phase 2 /3. No change in sampling approach for Phase 1.</p>
21	Hold follow up discussion on NDMA – date TBD	7/13/11	In progress – based on recent sampling results, CDM has developed a Field Sampling Plan to collect co-located samples at DTSC Background Study locations for review, interpretation, and comparison to analytical results from samples collected in HSA subareas. Sampling to begin in mid-October.
22	Send stakeholders participating by phone the handouts from the Jul 13 meeting	7/13/11	Partially completed. Lancaster co-located reporting limits provided in HSA 5C Tech Memo; both Lancaster and QAPP reporting limits to be provided in forthcoming data screening technical memorandum.
23	Track how public input and previous written comments are addressed in sampling plans	7/13/11	Ongoing (this list and future sampling plans)

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24	Provide locations of radiological air monitoring stations at the site	7/13/11	Completed – monitoring locations shown in DOE ASER reports (Fig 5-1) on ETEC web site; copies provided at Aug 17 <sup>th</sup> meeting.
25	Provide list of wildfires that have historically occurred on site	7/13/11	Completed – wildfire summary map provided at Aug 17 <sup>th</sup> meeting
26	Revise maps and figures to improve symbolization of surface water collection features including ponds, catch basins, etc.	7/13/11	Ongoing – modifications will be used in future Technical Memoranda; also standardized practices will be discussed with other SSFL teams.
27	Determine where tetralin was detected at HSA 7 prior to co-located sampling meeting on Aug 17 <sup>th</sup>	7/13/11	Completed – ‘Tetralin’ was detected as a VOC Tentatively Identified Compound (TIC, reported as Naphthalene, 1,2,3,4, tetrahydro-[CAS 119642]) at 54.1 ug/kg in sample HFBS0012S03 at 5.5 feet below ground surface. This sample was collected at the Building 4133 site in a location that also has high concentrations of other VOCs, primarily trimethylbenzenes.
28	Determine the pipeline contents and insulation materials for pipe observed at B1433 during Jul 13 site walk	7/13/11	Completed – the ‘pipeline’ is a flexible hose used to carry liquid nitrogen to a tank. The covering is a thermal wrap composed of wool and tape.
29	Determine purpose and contents carried in pipeline observed on hill slope north of RMHF.	8/17/11	Completed – a facility drawing shows the pipeline was part of the fire protection sprinkler system which was connected to the site-wide facility water supply.

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30	Review aerial photos and historical documentation to determine if the upper Burro Flats soil borrow area was used as a backfill source prior to DTSC's approval for its use in 1999 to support onsite interim measures remedial activities.	8/17/11	Completed – Significant soil disturbance was not observed in the upper Burro Flats soil borrow area before 1999. Other historical documentation indicates areas outside the Area IV Borrow Area were proposed for use as borrow soils for impoundment closures in Areas I and II.
31	Answer stakeholder question why chemical background field work got delayed.	10/18/11	DTSC lead (Yvette) – completed
32	When providing documents for review in email, provide context for what the document is and where it fits into the program	10/18/11	Ongoing.
33	Have outlier analytical results been discovered and how have they been treated in data screening?	10/18/11	All analytical results, including high concentrations, are evaluated during characterization. The data gap evaluation addresses the full range of concentrations. “Outliers” are relevant to statistical analysis.
34	Provide more speakers around room for participants on phone during next public stakeholder meeting.	10/18/11	Ongoing.
35	Make sure slide numbers show in final presentation materials.	10/18/11	Ongoing; slides being checked.
36	Provide explanation of how validated sampling results will be used for remedial planning.	12/14/11	Validated data will be compared to final Lookup Table values to determine where remedial action is required.

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37	Evaluate the magnitude and extent of migration of chemicals due to wildlife activities and consider concentration of contaminants in vegetation.	12/14/12	Evaluation ongoing pending data from western and northern portions of the site.
38	Include areas where interim measures have occurred in remedial planning.	12/14/12	All portions of Area IV will be evaluated to see how they compare to the final Lookup Table values and are subject to potential remedial action.
39	Remove debris that is not contaminated and not specifically addressed by AOC.	12/14/12	Boeing is removing above ground debris, including disposed drums or containers, under the site-wide debris removal program in coordination with DTSC. DOE will sample soil at the removed debris locations as part of Phase 3.
40	DOE evaluate what is needed so that sampling can occur at proposed 'future' locations in Area III, and if EPA could obtain radiological samples near the Building 4015 Field during this next phase of work since laboratory contracts and protocols in place.	2/22/12	In progress. Area III sediment samples collected July 2012. DOE and Boeing are committed to completing a thorough investigation, and are coordinating with DTSC regarding other samples identified or needed near administrative area boundaries.
41	Evaluate field conditions near NE corner of SPTF based on photograph of excavation, and add/adjust sampling if warranted.	2/22/12	Demolition occurred in the area but soils not exposed. Sampling not proposed at this time, will be included following additional demolition.
42	Evaluate how SPTF pond was drained and add sample at this location if warranted.	2/22/12	Pond without external drain, likely pumped or evaporated. No sample added.

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43	Add sample location on northern edge of SPTF pond.	2/22/12	Done. Sample included in draft 5C Phase 3 sampling plan.
44	Provide interested stakeholder previous sediment sampling data from Building 4056 pit.	2/22/12	Maps from previous RFI report provided to stakeholder.
45	Add geotechnical analysis for grain size at several proposed soil sample locations near or within the 17 <sup>th</sup> Street Pond. Additional analysis in proposed plan may not be needed if previous Phase 1 co-located samples have been archived by the laboratory and could be run instead.	4/24/12	Request deferred to Soils Treatability Investigation Group (STIG) planning since this type of data will be needed for remedial planning.
46	Provide stakeholder copy of ISL table and link to DTSC website	4/24/12	Done.