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NAS CORPUS CHRISTI
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PARTNERING TEAM MEETING MINUTES 23 JUNE 2010 NAS CORPUS CHRISTI TX
6/23/2010
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NAS CORPUS CHRISTI PARTNERING TEAM MEETING MINUTES

June 23, 2010

EPA Building, Dallas, Texas

1. **Attendees:**
See the attached sign-in sheet.
2. **Welcome / Role Call / Review Rules**
 - The meeting started at 08:00 with brief introductions.
 - After introductions, the team reviewed the meeting rules as included in the Charter:
 - Be professional and respect each other.
 - Be open and honest in all communications.
 - Attend team activities.
 - Be forward thinking, not letting old issues hinder team progress.
 - Ensure that there are no surprises.
 - Consensus process will be used to make decisions.
 - No side bar discussions during meetings including cell phone calls.
 - Do not interrupt others while they are speaking.
 - Partners will delegate their consensus making authority when necessary.
 - Call "Time Out" whenever needed.
 - Stay for the hard part.
 - Leave positions, egos, and agendas at the door.
 - Turn cell phones off or to 'vibrate'.
 - No non-essential computers during the meeting.
3. **Review Agenda / Adjust as necessary**
 - Chris stated that there are no Regulator Updates so the team will skip Item No 12 on the agenda.
 - The agenda was accepted as presented.
4. **Meeting Minute / Action Item Review**
 - Action Item 20091201A02 – The UFP SAP includes an expanded site background description (WS #10) that includes the information requested by the Navy.
 - Action Item 20091201A06 – Helen stated that she has not discussed the institutional controls with Steve Beverly. Ken stated that this language will need to be added in the Response Action Completion Report (RACR) for NAS Corpus Christi Sites 3 and 4. Chris agreed that he will need the institutional control language to complete the closure letter to the Navy on the sites.
 - Action Item 20100412A01 – A discussion of the historical documentation related to the stormwater discharge from the Building 8 area (SWMU 274) is included in the Installation Restoration section of this partnering meeting. In addition, the summary of identified references to the storm sewers and associated investigations are attached to these meeting minutes.
5. **Tier II Update**
 - Helen gave an update on the Tier II efforts. She stated that the Tier II team met before the last conference call, so most of the information was included in the Conference Call in April.
 - Mike Singletary was promoted to Section lead at the Navy. They are currently looking for a new technical lead.
 - Helen and Ken gave a quick update of the other bases across Texas.
 - NAS Dallas
 - Site is in long term monitoring and Tetra Tech is working on ways to close the sites through proving Class 3 groundwater.

- The Ready for Reuse is in City of Dallas and EPA hands on hold pending discussions on indoor air.
- NWIRP Dallas
 - Site is in long term monitoring. All the soil remediation is completed.
 - The two outstanding Response Action Plans (RAPs) for groundwater and sediments were recently approved.
 - Industry day (open house) is planned for mid July 2010. The Navy intends to sell NWIRP Dallas (through GSA) including the environmental remediation.
 - The Ready for Reuse is in progress and should be awarded at Industry Day.
 - The sediment in Cottonwood Bay contains contamination from previous practices at the facility. The Navy is currently planning to optimize the remediation plan through some grid sampling and confirmation of current concentrations.
- The other BRAC bases are Port of Orange which was transferred to Department of Transportation in March 2009 and Ingleside was transferred to the Corpus Christi Port Authority in April 2010.
- Kingsville - There are two sites left there including the gas station site and a former landfill that has not been investigated.
- NWIRP McGregor - The Navy and their contractor are currently performing an optimization study of the remediation systems for perchlorate.
- NAS/JRB Ft Worth - There are on-going activities at a former UST site on the base that appears to be a legacy issue from when the Air Force operated the base.
- The next Tier II is in August 2010. One of the goals of the meeting is to match the EPA's environmental issue tracking system to the Navy's tracking system. They will also continue discussion on land use control and restrictions on active bases.

6. Navy Update

- Leanna stated that most of the issues have been discussed or will be covered later in the meeting.
- Cabaniss – Leanna stated that she has talked to the Navy group about conducting the remote bush clearing at the former Incinerator Disposal Site. This technology, while protective of worker safety, does not appear promising because the process will drop the vegetation on the ground and thus bury the ordnance scrap and require the UXO technicians to come back in the area to clear the cut debris to aid the detector aided and geotechnical surveys. Therefore, Leanna plans to pursue obtaining permission to conduct the burn activity at Cabaniss with the directorates and base commander at NAS Corpus Christi. Tara asked if there was coordination with the local TCEQ. Leanna – yes. Tara also wanted to know if there was some consideration of the air monitors in the area. Specifically that the burn may set off air monitor instruments at a plant or production facility nearby where there are particulate or other requirements. Leanna stated that there are plans to place notices in the paper and possibly the local television.

7. Munitions and Explosives of Concern (MEC) & Munitions Constituents (MC) Investigation at NALF Cabaniss

- Larry gave an update on the NALF Cabaniss MEC / MC investigations.
- The Unified Federal Program Sampling and Analysis Plan (UFP SAPs) for the former Incinerator Disposal Site and Skeet Range Site have been updated and are in review / response cycle with the Navy and Tetra Tech.
- The comments included concerns about the multi-increment (MI) sampling on 0.5 acre decision units for ecological risk. After a couple of discussions with the ecological risk assessors for Tetra Tech, the Navy, and TCEQ, the 0.5 acre decision units have been re-defined to address the ecological risk as well as human health. For the plants and invertebrates, they will evaluate the 0.5 acre areas independently. For birds and mammals, the plan is to break the investigation into three areas (north, central / grassy area, and south).
- Chris stated that he had a couple of comments on both the MEC UFP SAP (from the TCEQ subcontractor) and MC UFP SAP for the Incinerator Disposal Site. He will forward these

comments on to the Navy in the next week or two. After some discussion, the group realized that neither Tara nor Chris have seen the latest version of the MC UFP SAP for the Incinerator Disposal Site. The last version that they had to review was from the April 2010.

- At the Skeet Range, the Navy chemist has concerns about polynuclear aromatic hydrocarbons (PAH) to the north of the previous sample area. He has concerns that the PAH may be related to the aircraft operations and not necessarily the skeet range and possibly a background study may be necessary. Ken pointed out that the area has been thoroughly re-worked since the range was active. Leanna also stated that the PAH in fuel is different than the PAH in skeet and that may help clarify the possible source of PAH detected in the Site Inspection (SI) and Remedial Investigation (RI) investigations.
- Larry added that the historical aerial photographs of the Skeet Range area indicate a former road in the area leading up to the firing line. This road and road base can also be a source of the PAH detected in the area.

8. MC Investigation at NALF Waldron

- Larry gave an update on the NALF Waldron MC investigations.
- The sampling in Oct 2009 identified lead exceedances at several locations in Grid 16. In April 2010, the locations were sampled at 2 to 3 feet below grade to determine if there was vertical migration of the lead exceedances. The analytical results from the 2 to 3 foot interval returned lead concentrations less than 10 mg/kg.
- The sampling in Oct 2009 identified PAH exceedances at several locations in Grid 3. In April 2010, the locations were sampled at 2 to 3 feet below grade to determine if there was vertical migration of the PAH exceedances. Additionally, the areas east and south of Grid 3 were sampled to delineate the horizontal PAH extent. The analytical results from the 2 to 3 foot interval indicated that the PAH is not migrating vertically; however, the horizontal samples to the east contained PAH concentrations greater than in Grid 3. Therefore, the site is recommended to proceed on to an RI.
- The team briefly discussed the potential sources for the concentrated PAH including the location of the sling house or an old road in the area.
- Larry handed out the Draft Final SI Report to the team members present at the meeting for review and comment (Chris Siegel's copy was mailed to him the next day).

9. MC Investigation at NAS Corpus Christi

- Larry gave an update on the NAS Corpus Christi MC investigations.
- The initial investigation was conducted in Jan 2010. Gary was able to work with the base commander to get the closed range formally added to the list of sites to be investigated in the SI.
- Larry briefly discussed each of the ranges including what constituents were detected at each range, the location of the exceedances, and what the recommendations were for each of the sites (i.e., no further action (NFA) or continue on to an RI).
- The grid sub-samples within the Closed Skeet Ranges (added in April 2010) were not analyzed as the other skeet or trap ranges within the Gunnery Training Complex because of timing constraints and the area and distribution of exceedances across the Closed Skeet Ranges. There was one location on the Closed Skeet Range where there was so much broken skeet at the surface that the team needed to dig through the debris to obtain native soil samples. The results from this location at the 2 to 3 foot range indicate that there were no PAH exceedances leaching into the soil, even though there were piles of skeet in the area. Leanna stated that there is some research that supports the only way that the skeet will release PAH into the soil is when it is highly ground. This appears to be supported at the site by the lack of PAH exceedances beneath a pile of skeet.
- The team discussed how the PAH exceedances appeared to be concentrated along the areas where a historical walkway or road was located.
- Larry handed the Draft SI Report to the Navy at the meeting for review prior to distribution to the regulators.

10. Installation Restoration Update for NAS Corpus Christi

- Building 8
 - Ken investigated the available documentation related to the storm sewer (SWMU 274) north of Building 8. The results of the research are that the sewer lines were videoed in 2001 and the plan at that time was to slip-line or abandon the sewers in the area. However, the documents available do not indicate if the repairs were completed. The lining and abandonment activity was postponed or canceled due to 9-11 attacks in 2001 and the associated financial re-direction at the time.
 - Helen asked that Ken include the summary notes as part of these meeting minutes (see attached).
 - Helen stated that she will work with the group performing the illicit discharge study to make sure that they are looking into the storm sewer north of Building 8. Leanna will coordinate with Gary to find the maps of the storm sewers that were videotaped and also see if she can find the documents of the sample results from the sediment samples.
- SWMUs 1, 3, and 4
 - RACR is going through senior review presently. Chris Siegel had requested that the toxicity issue be addressed by speaking to TRRP 32 guidelines. The well in question had been gauged in April 2010 and no free phase was found. The last time Fred Grosskopf pulled the sock filter bag and examined it there were still a bit of free phase observed. Ken stated that the free phase hydrocarbons in the well have been removed to the maximum extent possible. The well is expected to meet all requirements of TRRP 32 guidelines and will be spoken to in report.
- French Drains
 - Gary proposed diluting water from drain system with clean water in tank to mitigate bacteria contamination and silt build up. Ken stated there are three general choices of how to address issue:
 1. Use a biocide or chlorine to take care of biologic activity both in the sump and in the holding tank;
 2. Adjust or replace the pump in the sump so that it pumps continuously but slower (suggested 3-4 gallons/min). This will help avoid water stagnating in a batch tank and allowing time for bacterial growth as well as minimize sediment moving through system. At the current higher pumping rates, the pump agitates the water in the sump and pulls sediment into the system. This modification will also involve removing or bypassing the batch tank to allow for ease of continuous flow through the system. During heavy rain events or extended dry periods, the pump would automatically shut-off if water gets below or above certain levels;
 3. Replace the two single-bag filters in series with a multi-bag barge filter in parallel. This would not reduce the number of bags changed, but would extend the period between changes and would allow more efficient processing of the fluid in the granular activated carbon.
 - Gary stated that anytime oxidizers are introduced it is considered a win-win and would not adversely affect the WWTP. Ken stated that Tetra Tech had concerns about the use of biocides considering that the effluent goes to the waste water treatment plant (WWTP) and there are concerns about the effect on the processes at the WWTP. Likewise, option 3 does not address the problem, only the symptoms. New equipment would be required for option 2, and the tank will be taken off-line and by-passed so there are some capital costs associated with this modification. Leanna is going to look deeper into the options and will get back to the team at a later date.
- Fuel Farm 216/244
 - Leanna stated that the focus is currently upon delineation of the free-phase hydrocarbons for treatment purposes. Helen stated the Navy is in the process of awarding the contract. Helen stated another site is expected to be added to Fuel Farm 216 and 244 called H100. H100 has not been through final close-out and thus is required by TCEQ to be officially closed.

- Indoor Air Issue
 - In regards to Indoor Air Leanna questioned a statement in the RAP, mentioning a reference to vapor intrusion. Vapor Intrusion study was completed after the APAR to identify related vapors from the groundwater to escaping into building. Helen stated that sampling results indicated levels below OSHA exposure limits.
 - Prescribed Burn
 - Leanna stated she is still working on the prescribed burn plan for the former Incinerator Disposal Site. Leanna put together a Go-No Go checklist which is being used to assist in set-up of burn. Due to weather, Leanna got an extension for the burn to be conducted in the spring. Are advised to resubmit request when everything is in place and the team is ready. A public notice will be required to be run in the local newspaper.
11. **Regulator Update**
- Chris (TCEQ) had no new news to relay.
 - Tara (EPA) had no new news to relay.
12. **Partnering Training**
- Candace conducted an exercise with the team using evaluation forms designed to give a quantitative evaluation of the meeting. Filling out the evaluation forms was followed by a discussion of findings.
13. **NAS Project Schedule Review**
- Ken stated he has revived the schedule tracking activities on NAS Corpus Christi sites. The team decided to review select items.
 - Waldron: Skeet Range - UFP SAP, ESS, and sampling are all complete. SI report in regulatory review. Helen requested Ken highlight the RI as a reminder to find assigned date of completion.
 - Corpus Christi MRP: Helen suggested splitting site up as she anticipates funding being allotted in increments as opposed to a lump sum. Leanna has requested approximately one week to read through report to familiarize herself with the data and site. Ken advised Chris he can expect the Corpus Christi MRP report approximately 19 Jul 2010 and please return with review comments by early September. Chris agreed.
14. **Installation Restoration Schedule / Exit Strategy**
- The team updated the status of the MRP sites and added the site H100 to the Exit Strategy.
15. **Parking Lot Issues**
- None
16. **Agenda for Next Meeting / Reality Check**
- The team discussed the planned agenda, date, and leadership for the next Tier I Partnering meeting. The proposed activities are as follows:

Date: 20-21 Sep, 2010
Location: Corpus Christi, TX
Scribe: Tetra Tech

Team Leader: Larry Basilio
Gatekeeper / Timekeeper: Chris Siegel

- I. Welcome/Introductions
- II. Review ground rules
- III. Review/Modify/Approve Agenda
- IV. Review/Approve previous meeting minutes and action items
- V. Training (Facilitator)
- VI. Tier II Update
- VII. Agenda topic discussions

- A. MC/MEC Investigation at Cabaniss
- B. MC Investigation at NAS Corpus Christi
- C. MC Investigation at NALF Waldron
- D. RACR for SWMU 3 and 4
- E. NALF Cabaniss Burn / CO Brief
- F. Well Abandonment
- G. NIRIS / EGIS Brief
- VIII. Regulator Update
- IX. Navy Update
- X. Parking Lot Review
- XI. Installation Restoration Schedule / Exit Strategy
- XII. Next meeting date and agenda
- XIII. Meeting evaluation

Plus/Delta

<u>Plus</u>	<u>Delta</u>	<u>Interesting/Other</u>
<ul style="list-style-type: none"> • No reports carried to Austin. • No side conversations. • Kept on schedule and used time wisely. • Reviewed a lot of information • Location was good. • Tara's planning details • Map of the location • Meals were enjoyable / team activity 	<ul style="list-style-type: none"> • Chris was not at the meeting • Walk down 8 flights of stairs in the hotel • The historical information repository is sketchy at times. 	<ul style="list-style-type: none"> •