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NAS JACKSONVILLE
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PARTNERING TEAM MEETING MINUTES 26 OCTOBER 2010 WITH ATTACHED
PRESENTATION SLIDES NAS JACKSONVILLE FL
10/26/2010
PARTNERING TEAM

3.2 OU 1 LTM Update and O&M on LNAPL Area –

3.2.1 LTM Update and Landfill Maintenance – Tim said there is not much to report. Grass needs to be mowed.

3.2.2 LNAPL Recovery System – Received FDEP and USEPA concurrence to decommission the LNAPL system.

Tim said the station is looking at OU 1 for installing a spray irrigation system from the WWTP effluent when the pond is too full to take it. Tim doesn't think it is a good idea because it has a cap to keep leachate out. Dave said the only reason to do it would be to keep the grass alive, but if not needed it doesn't make sense. Tim asked if there is no other place to put it will it be ok. Mark asked about digging in the OU. Dave said he didn't see a legal reason to prevent using OU 1 as a spray area, as long as there is no contamination in the effluent. Tim said he doesn't see flowing water in any of the ditches around OU 1.

OU 1 is sampled every year in January timeframe.

The LUC RD for OU 1 was sent to the team in June 2010 and no comments have been received.

3.3 OU 3 –

3.3.1 OU 3 Preliminary Groundwater Results Discussion – Nothing to discuss this meeting.

3.3.2 Storm Sewer Outfalls Discussion/Review. Will discuss next meeting.

Mark said that Dr. Chadwick of Coastal Sciences has said that in order to get the pricing originally discussed, their company has to contract directly with the Navy. Mark is trying to get in the field to sample and needs this issue resolved. The company commercial rates are much higher than the funding budget.

Action Item: Adrienne to contact Mike Singletary regarding the NTC Orlando work and how the Trident Probe investigation was funded.

Building 101S – Dave said the RCRA division was asking him where the team is with regard to the OU 3 ROD and when is Building 101S going to be included in the IR program. Adrienne and Tim said that there was no decision made yet when that would happen. Still in the RI/FS Addendum phase.

3.3.3 Vapor Intrusion – Casey said the draft VI Screening report was sent out to the team on 9/20/2010.

3.4 OU 6 (PSC 52) Hangar 1000 – The Hangar 1000 Semi-annual report will be sent out with the annual report. The approach was changed on the SA report. Mark suggested saving the information for the annual report. The annual report will include trend analysis and charts, the SA report will be a letter report with data and conclusions and recommendations.

Alan said there is nothing surprising with the data. The LTMP will be updated after this.

3.5 OU 7 PSC 46 Update – DRMO – Casey – Comments from NOSSA have been received for final ESS. They should be incorporated by November 5, 2010.

Tim said that DRMO keeps getting written up for their fence. Tim told them to go ahead and replace it.

3.6 OU 8 PSC 47 – Eric – Eric said the CH2M Hill is scheduled to wrap up a semi-annual event this week. Next event is in April 2011 and the reporting will be in June or July 2011.

3.7 Petroleum Sites

3.7.1 Gas Hill (PCA 4)– Eric Davis – Completed the second semi-annual sampling event and the drums are gone. A report will be issued the week of November 8, 2010.

3.7.2 Hawkin's Property – nothing to report. Adrienne asked is there is a decision document for closure.

Action Item: Dave and Mark to see if Hawkin's Property is under an FDEP Order.

3.7.3 PCA 25- Boat House Area – Mike M. working on cost estimates for pavement replacement in order to determine if the Navy would go the excavation route or LUCs. Mike said he doesn't think leachability is a concern at this site. Mike M. will follow up with Mike Singletary regarding this information.

3.7.4 NEX Gas Station – Alan Pate – (From schedule discussion) The proposal, even though there are still some wells with naphthalene contamination but there is also TCE. TtNUS plans to write the SAR and complete the UST portion and defer groundwater to IR program. Alan said there is no monitoring well delineation. Soil is complete. Mark said there is potentially multiple sources for the PAH contamination. Adrienne asked if there would be recommendations for petroleum cleanup, Mark said no. It's a commingled plume. Alan believes the due date for the SAR is February 2011.

Alan reviewed the previous history regarding installation of seven new shallow wells, including a downgradient well. There were VOC concentrations all the way to the road. Sampled the new wells and 11 existing wells. The northwest quadrant is still a concern due to PAH and VOC concentrations groundwater exceedances. Alan said the recommendation is to transfer the groundwater to the IR program. Mark said there are commingled plumes.

Dave pointed out that the petroleum contamination is in the shallow zone and the TCE and PCE are in the intermediate depth.

Consensus: The team agrees that the NEX Gas Station groundwater shall be investigated under the IR Program and the SAR will be submitted to close out the UST site.

There was an area Near NEX-MW411 that Alan could not go below 13 feet. It was in the vicinity of the old UST.

Dave said that he would like to see CSM at the DQO meeting for the UFP SAP for Groundwater. Dave asked if the soil samples were only limited to petroleum products. Dave said that we would have to include soil in the investigation. Need deeper soil data including VOCs.

3.7.5 Kemen Test Cell - David to check on FDEP response to contractor closure report. Contamination is present at the site, clean closure is not expected.

Action Item: David to check on FDEP response to contractor closure report. Contamination is present at the site, clean closure is not expected.

3.7.6 Tim said the station is planning on demolishing the S-3 High Power Turn-up Pad. This site was transferred to the IR program and according to the Exit Strategy it is awaiting funding. This site NFA as of August 12, 2002 in the Petroleum Program.

Action Item: Mark to see what historical information he can find for the S-3 High Power Turn-up Pad.

- 3.8 MRP Sites Update– Alan Pate Dave said most of his comments are editorial, but he has a problem with the alternative. Adrienne was asking Dave if his comments could be addressed in the RI phase since the sites are going to an RI investigation.

Dave has a problem with the calculated SCTL when it fails the SPLP.

Dave said his comments for the SI report can all be addressed in the RI investigation. Adrienne wants to have a conference call prior to moving forward to the RI to discuss the calculated leachability SCTL versus the SPLP, and also the potential to conduct groundwater sampling at the 50 caliber site.

- 3.9 PSC Sites with LUCs and no RODs – Received everyone’s comments on the UFP-SAP. Dave G. comments to the Pensacola SAP caused Mark to revisit the data density with regards to FL UCL calculations.

Mark proposes that TtNUS conduct the sampling as reviewed by the team and then review the data to see if we have a basis to revise the boundary, whether we have enough data to refine the boundary. The UFP-SAP has been changed to address this.

Decision Rules #1 and #2 have been added to the UFP SAP to evaluate the existing LUC boundary.

Mike M. made the point that if there are SPLP exceedances a well could be popped in and a groundwater sample could be taken.

Dave stated the flow for data starts with Leachability SCTL to SPLP to Groundwater Data.

Consensus: The team agrees with the approach presented for changes to the decision rules in the UFP-SAP for PSC Sites and the UFP SAP will be reissued for signature to team.

- 3.10 PSC 45-Building 200 Wash Rack – Mark – Draft Site Investigation Report data review. Mark stated, while reviewing the SI report he discovered an issue that the team needs to be aware of. Mark stated that the plume looks detached. There are not enough wells in this area. Because there are no wells installed in this area, there is no proof of what is in groundwater. The plan is to revise the sampling plan by installing two monitoring wells to identify/limit the COCs for groundwater. The soil investigation will involve stepping out to delineate soil contamination. The soil data will be used for the RAC to design the remediation.

- 3.11 PSC 55-UFP SAP review/comment- Nothing new to discuss

- 3.12 PSC 38 – UFP SAP review/comment - Nothing new to discuss

- 3.13 Five-Year Review – Is in Final internal review and is expected to be out this week to Adrienne and Tim for review. Public notice was published in the Times Union on 9/26/2010.

Mark gave a presentation summarizing the third Five-Year Review. Mark said, as a team, there are a few documentation issues. Presentation is included in the attachments to these minutes.

There are concerns as to documentation regarding OU 3 ROD decisions and where the team is with decisions made regarding optimization at OU 3.

OU 1 – Pete said the purpose of the five-year review is to be sure we are meeting the protectiveness. He said we shouldn’t adopt additional CTLs unless the RD is found to be not protective.

Dave said that if the Trigger Levels for Contingent Action (TLCAs) are more protective than EPAs CTLs, he is ok with adding them as ARARs. Mark will have to compare the numbers.

Consensus: TtNUS will compare for OU 1 - the groundwater data against the FDEPs CTLs and EPAs PRGs and determine whether the potential exists for impacting surface water at a level that could trigger the TLCAs. If needed, TtNUS will also compare FDEPs CTLs to EPAs PRGs and will recommend adoption of the most conservative of the values in the Five-Year Review document. Several monitoring wells have detected concentrations of iron that exceed background values as well as FDEP's GCTL and surface water criteria for iron. Iron was not a final COC or OU 1. Because surface water samples collected at locations SW-20 and SW-55 are not analyzed for iron, it is recommended that the Partnering Team determine whether iron should be analyzed in future surface water samples collected at both SW-20 and SW-55. There is no obvious issues (i.e., no iron staining, etc.). Mark said that this showed up during the MNA events (MNA parameter – ferrous iron, possibly). Dave G. commented on the annual monitoring report that iron be addressed now. Mike M. pointed out that iron doesn't affect the protectiveness. EPA said you don't need to address this in the five-year review.

Action Item: Dave to look into iron issue at OU 1 for the purpose to determine if it needs to be addressed in the five-year review and continued remedial action.

OU 2 – WWTP – Monitoring done under RCRA program. Arsenic exceeds MCL at PSC 42 in well NAS 42-5R. The conclusion is protection.

OU 3 – Mark reviewed the plume history briefly for Sarah's benefit. In the primary ROD the following actions were specified:

- PSC 11 – No Further Remedial Action Planned (NFRAP)
- PSC 12 – NFRAP
- PSC 13 – NFRAP
- PSC 14 – NFRAP with implementation of LUCs for an industrial scenario
- PSC 15 – NFRAP with implementation of LUCs for an industrial scenario
- PSC 16 – Selective removal of the tar balls
- PSC 48 (Building 106) – Continuation of the IRA as the selected remedy
- Building 780 – Continuation of the IRA as the selected remedy
- Area B – MNA
- Area C – Enhanced biodegradation
- Area D – Enhanced biodegradation
- Area F – Chemical Oxidation
- Area G – MNA
- Storm Sewer – Monitor the water quality after clean up of Area F is complete. If the storm sewer remains contaminated after Area F groundwater is remediated, then cured-in-place pipe (CIPP) will be installed.

The ROD for Area A in OU 3 was signed in September 2006. In the Area A ROD, MNA and LUCs were specified.

Prior five-year review and ROD requirements led to an optimization study for Bldg 106 and 780. The optimization study was expanded for all of OU-3 and was based in part on the findings of the prior five-year review. The results of the Optimization study resulted in a decision to re-evaluate the approach to OU-3 sites and conduct additional evaluation of data gaps with the intent of preparing an updated ROD that would incorporate all OU-3 sites in a site wide risk based approach.

- Discontinue GW treatment at Bldgs 106 & 780
- Do not treat GW at Area F due to lower concentrations encountered during remedial design.
- Conduct additional sampling to evaluate potential impact to the St. Johns River (Barge Sampling event)

- Conduct detailed sampling of primary transport pathways via MIP and DPT and well installations to monitor MNA
- Prepare and update a 3-D conceptual model for the entire OU.
- Evaluate potential risks to site workers posed by indoor vapor air intrusion in accordance with developing EPA and Navy guidance.
- Prepare RIFS Addendum, new Proposed Plan and updated ROD

Mark pointed out the issue from the last five-year review there are no groundwater use restrictions in place at OU 3 for Buildings 106, 780, Areas B, C, D, F, and G. He recommended creating a LUC RD for OU 3 as a stop gap measure, because this will be a non-compliance issue with EPA's review. Adrienne said she wants the LUC RD completed. Mark said he can get it done in approximately one month. Mark said the issue is what will the boundary of OU 3 be? Mike and Adrienne said use the current boundary.

TtNUS will prepare a LUC RD for submittal for OU 3 groundwater restrictions.

Mark pointed out there was a global question regarding VI and including the investigation in the RI/FS Addendum and Mark recalled that Pete Dao had discussed with EPA and they said it needs to be in one document. This will affect the SMP date, since the VI investigation and reporting will not be complete by the current date for RI/FS Addendum date.

Dave said he is concerned about Item #9 on the recommendations and follow-up actions. "It just states Remedy has not been implemented at Area F."

Action Item: Work on the language for Area F to expand the explanation as to why the remedy was not started.

Pete said include explanation as to the uncertainty of Area F's protectiveness statement. Point out that restrictions are informally in place (Tim is restricting digging and groundwater use).

Pete said protective currently, but additional optimization investigation is being conducted.

EPA guidance that will be used:

"Protective in the short-term; however, in order for the remedy to be protective in the long-term, follow-up actions need to be taken."

OU 4 – Casa Linda Lake – Pesticide spill with a fish and duck kill. There was no LUCIP document. The restrictions are in place and it is being inspected. Mark recommends preparing a LUC RD for this site.

Action Item: Pete to review the OU 4 ROD to determine if a LUC RD would be required. He believes it only has an ECO risk.

OU 5 – former Fire Fighter Training Area and Oil Disposal Area. ROD completed 2005 and under a MNA program. LUC RD prepared and inspections ongoing. Remedy is found to be protective.

OU 6 – Hangar 1000, ROD completed with adoption of Treatability Study (Nanoscale Iron injection). LUC RD in place, inspections ongoing. Remedy is protective.

OU 7 DRMO –

- Draft LUCRD has been developed.
- Soil Removal component of the remedy delayed by the discovery of potential UXO.
- Approval of the work plans for resumption of the soil remedy is imminent.
- GW Remedy has been delayed by the soil remedy.
- Remedy is protective.

OU 8 – PSC 47

- LUCRD has been developed and LUC inspections are current.
- Soil Removal component of the remedy delayed by the discovery of potential UXO.
- Approval of the work plans for resumption of the soil remedy is imminent.
- GW Remedy has been delayed by the soil remedy.
- Remedy is protective.

4.0 Miscellaneous

4.1 Proposed Construction Update – Tim Curtin – Tim gave an update of proposed construction and current construction projects.

Tim discussed drum control. There was an exceedance (exceeding 90 days). There needs to be a weekly inspection by the contractor. Tim said it is important to turn them in as soon as the investigation is complete so you can avoid weekly inspections

- DRMO will be replacing fencing and it is approved because no definite date for Hill to get back out there for the RA.
- Tim said there is a lot of demolition going on.
- Looking to place hot water solar panels on Building 928. Mostly not cost effective, but they get money to do the demonstration.
- Mark asked how the geothermal system was working, Tim said it is running. That was a demonstration project.
- Mark asked if someone could clear trees at PSC 55.
- There is going to be some grading done around the runway.
- Started lining the brick lined ditch at PSC 44.
- Still working on the AST at the Kemen Test Cell. Some problems.
- Adrienne asked if Tim had heard anything about demolition at Building 902. Tim had not heard anything but will check.

4.2 Tier II Update – Sarah gave a brief update. She said a lot of the discussion involved Whiting Field.

The Tier II team discussed the possibility of having a joint Florida Tier I/Tier II conference. Tier II is looking for feedback from the teams regarding location and training/discussions. Anticipate some FFA training.

Mark Peterson said that topics of interest include Storm Sewer and Vapor Intrusion. The technology using storm sewers for remediation (e.g., NASA project).

Sarah said the Tier II team would like to the Tier I teams to review and update a Petroleum SMP portion of the exit strategy by November 1, 2010.

Sarah said there was a discussion regarding installations and milestone dates being unrealistic.

Most installations have unrealistic milestones that were based on best-case scenarios. There are dates on SMPs that do not allow adequate time for regulatory review and/or document completion.

1. Teams need to read their FFA and become familiar with it again (understand the requirements).
2. Teams need to set more realistic dates and realize that extension requests may not be granted.
3. Teams need to review and ensure the dates in the SMP are correct and realistic.
4. The annual SMPs need to be submitted on time (in accordance with the FFA).
5. Teams need to monitor closely and meet SMP schedules.

6. Teams need to focus Partnering on how to better facilitate, communicate, and meet the mandates of the FFA.

Teams need to discuss what “good cause” for an extension request is in regard to their FFA.

Arthur and Camille do not attend other states’ Tier II meetings. Because of time constraints, it was decided that Arthur and Camille would be adjunct members coming to at least one meeting a year. If there is an issue that needs addressing or a special request, they will attend a meeting to discuss the issue and/or request.

A discussion ensued regarding the FFA and review. The FFA was put on the NAS Jacksonville agenda for the next meeting.

Jim Ferro retired from the Tier II team and Mark Davidson took his place. He will be an alternate for Cecil Field and primary link for NTC Orlando.

- 4.3 Institutional Controls Implementation Plans Update – Tim has been conducting his inspections will probably do one next month.
- 4.4 NIRIS Update – The administrative record and site library are under internal review and will be out to the team in November.
- 4.5 RCRA Activities – Nothing new to report.
- 4.6 Exit Strategy Review – reviewed for each site as meeting progressed. **BOLD ALL CHANGES.** Adrienne provided Mark with the Exit Strategy with the SMP column added.
- 4.7 BOA Contracts Update – Nothing new to report.
- 4.8 Team Development – Tim discussed doing an update on how our functioning mechanisms are working. Tim asked if anyone had seen any previous procedures they would like to see. Dave said that some of his teams have a Document Priority Schedule that is emailed to the team every couple of weeks.

Goals, Roles, Interactions and Processes.

A discussion ensued during check out regarding the petroleum SMP and Dave Grabka said he would like to see more details than what is on the Exit Strategy. He wants to see document dates that are forthcoming.

Action Item: Dave to bring the Petroleum SMP to the next meeting for the team to review.

5.0 Meeting Closing

- 5.1 Review Meeting Consensus Items – Done
- 5.2 Review Meeting Understandings – None
- 5.3 Review Action Items – Done
- 5.4 Next Meeting Proposed Agenda Changes
- 5.5 Set the future meeting dates in advance.

Meeting Date	Meeting Time	Location	Meeting Chairman
1/11/11 1/12/11	1 p.m. to 5:00 p.m. 8:00 a.m. to 12:00 noon	Jacksonville – Tetra Tech Office	Casey Hudson
3/22/11 3/23/11	11:00 a.m. to 5:00 p.m. 8:00 a.m. to 11:00 a.m.	Jacksonville – Tetra Tech Office	Mark Peterson
5/10/11	8:00 a.m. to 5:00 p.m.	Jacksonville – Tetra Tech Office	Adrienne Wilson
7/12/11 7/13/11	11:00 a.m. to 5:00 p.m. 8:00 a.m. to 11:00 a.m.	TBD (Jacksonville office not available)	Tim Curtin

5.6 Set the next meeting location, duration, and roles

- Location – Jacksonville, FL – Tetra Tech Office
- Dates – January 11th & 12th, 2011
- Duration – two days
- Chair – Casey Hudson
- Gate/Timekeeper – Mark Peterson
- Scribe – Julie Johnson

5.7 Facilitator Plus/Deltas – Done

Plus

Team Leader
 Five-year Review discussion
 Five-year review presentation
 Pete's participation in the tentative EPA items
 Tier II (Sarah) present
 Tim present and doing better
 Schedule flexibility to accommodate Pete

Deltas

Chairs uncomfortable
 Few analytical results presentations
 Pete had to leave early

5.8 Facilitator Evaluation – offline

Agenda Item No.	<u>CONSENSUS ITEMS</u>
2.1	Team members approved the minutes from the August 2010 meeting.
3.7.4	The team agrees that the NEX Gas Station groundwater shall be investigated under the IR Program and the SAR will be submitted to close out the UST site.
3.9	The team agrees with the approach presented for changes to the decision rules in the UFP-SAP for PSC Sites with LUCs and No RODs and the UFP SAP will be reissued for signature to team.
3.13	TtNUS will compare for OU 1 - the groundwater data against the FDEPs CTLs and EPAs PRGs and determine whether the potential exists for impacting surface water at a level that could trigger the TLCAs. If needed, TtNUS will also compare FDEPs CTLs to EPAs PRGs and will recommend adoption of the most conservative of the values in the Five-Year Review document.
Agenda Item No.	<u>PARKING LOT</u>
PSC 46, DRMO	CH2M Hill will complete the RA Completion Report which, according to Pete Dao, needs to include a reference to completion of the LUCRD, the removal action, and the groundwater monitoring annual report and engineer certified for PSC 46, DRMO. Revisit this in 2011.
OU 3, RI/FS Addendum and VI reporting	The team needs to address the inclusion of the VI issues in the RI/FS Addendum and impacts to the SMP date.

<u>ACTION ITEMS</u>					
Action Item No.	Responsible Party	Status	Due Date	Site	Action Item
Action Items from June 22nd & 23rd, 2010 Meeting					
A-30610	Donald/Mark	Working	8/24/10	OU3 storm sewer sampling plan and SE-03 (Area A)	Mark and Donald to include the evaluation of storm sewer SE-03 in the existing storm sewer sampling plan for OU 3.
Action Items from August 24th & 25th, 2010 Meeting					
A-30810	Donald	Done	8/27/10	OU 3, Area F.	Donald is going to verify that all Area F data (CH2MHill) is included in the MW/DPT model.
A-40810	Donald	Done	8/27/10	OU 3, Area G	Donald to see what data is available upgradient of Area G.

<u>ACTION ITEMS</u>					
Action Item No.	Responsible Party	Status	Due Date	Site	Action Item
A-50810	Mark/Donald	Working		OU 3, Area A and Area E	Mark and Donald to include the evaluation of storm sewer at the intersection of Enterprise Ave and Wright Street (labeled as U3ZMH1401 in the RI) at in the existing storm sewer sampling plan for OU 3.
A-180810	Mike M	Done	11/26/10	PCA 25	Mike M. to discuss the LUC alternatives and excavation alternatives with Mike Singletary.
Action Items from October 26th & 27th, 2010 Meeting					
A-11010	Mark Peterson	Done		Exit Strategy	Mark to add the SMP column to the Exit Strategy.
A-21010	Adrienne	Done	Asap	OU 3	Adrienne to contact Mike Singletary regarding the NTC Orlando work and how the Trident Probe investigation was funded.
A-31010	Mark/Dave G.	Done	Next Meeting	Hawkin's 103 rd Street.	Dave and Mark to see if Hawkin's Property is under an FDEP Order. <i>Email dated 10/29/10: Team, I had an action item to see if I could find any Department Orders regarding this site. Unfortunately, the files in my office or on my computer seem somewhat incomplete. I will check downstairs in the file room Monday if I get a chance and see if I can find some more info. Attached is the only Order I could put my hands on today. There was a Final Treatability Study Work Plan that got a letter from Jorge 1/2/03, but I can't put my hands on that letter just yet, so I don't know if it was an Order. There has been a Final Post Source Removal GWMR that the Department responded to on 12/29/04 and a couple</i>

<u>ACTION ITEMS</u>					
Action Item No.	Responsible Party	Status	Due Date	Site	Action Item
					<i>Treatability Study Reports that we received in 2006 and 2007. After that, nothing. Dave</i>
A-41010	Mark	Done	Next Meeting	S-3 High Power Turn-up Pad	Mark to see what historical background information he can find for the S-3 High Power Turn-up Pad.
A-51010	Dave	Done	11/10/10	OU 1 (Five-year review)	Dave to look into iron issue at OU 1 for the purpose of determining if it needs to be addressed in the five-year review and continued remedial action.
A-61010	Mark & Mike M.	Done	10/27/10	OU 3 section (Five-Year Review)	Work on the language for Area F to expand the explanation as to why the remedy was not started.
A-71010	Pete	Done	10/29/10	OU 4 ROD for Five-Year Review	Pete to review the OU 4 ROD to determine if a LUC RD would be required. He believes it only has an ECO risk.
A-81010	Pete	OBE	By next meeting		Pete to provide Dave with rationale for out of state travel to Atlanta in anticipation for the March 2011.
A-91010	Dave	Working	By next meeting	Petroleum sites	Dave to bring the Petroleum SMP to the next meeting for the team to review.
A-101010	Dave	Done		Kemen Test Cell	Dave to check on FDEP response to contractor closure report. Contamination is present at the site, clean closure is not expected. <i>Email dated 10/29/10: Team, I have done my bit to look into the Kemen Test Cell discharge (16/9804394). The site was referred to me by our NE District by e-mail</i>

ACTION ITEMS

Action Item No.	Responsible Party	Status	Due Date	Site	Action Item
					<p><i>on May 25, 2010 by Tim Dohaney. This is a bit different from how our section usually has gotten referrals, but it is in Oculus. Please note that per Rule 62-770.600(1), F.A.C., "Within 30 days of discovery of contamination, the responsible party shall initiate a site assessment." Please note that the Petroleum MOA allowed the Navy to deviate from this time frame and others by providing the Department with a Petroleum SMP with a new schedule for deliverables based on budgetary and scheduling constraints. Dave</i></p>

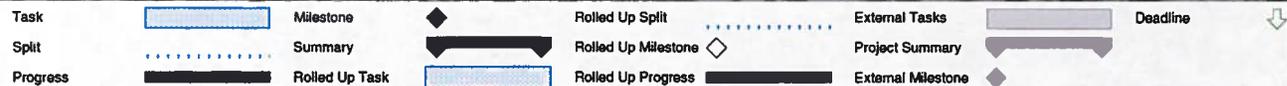
NAS Jacksonville Team Agenda
Jacksonville, Florida
January 11th & 12th, 2011

Chair – Casey Hudson
Gate/Timekeeper – Mark Peterson
Scribe – Julie Johnson

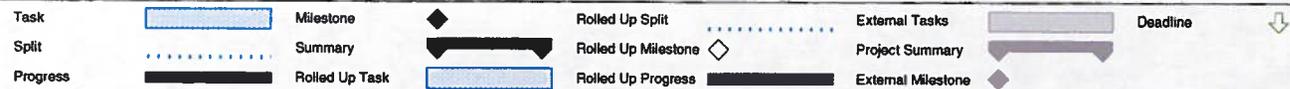
Item	Description	Presenter	Time	Category
1.0	TEAM MEETING AND INTRODUCTIONS	Team		
1.1	Team member Greeting, Introductions, and Check-in; Guest Introductions	Team		
1.2	Assignment of Team Meeting Organization: Chair, Gate/Time Keeper, Scribe	Chair		
1.3	Read Team Ground Rules	Team		
2.0	INITIAL AGENDA ITEMS FOR EACH MEETING			
2.1	Review, submit revisions to, and reach consensus on previous meeting minutes	Team		
2.2	Reports on assigned action items and parking lot items	Team		
2.3	NAVFAC presents current budget execution plan	Adrienne		
3.0	AGENDA			
3.1	Schedules/SCAP/Exit Strategy/FDEP Document Tracker/FFA SMP/Petroleum SMP	Team		
	3.1.1 Team Development –	Tim Flood		
3.2	OU-1			
	3.2.1 LTM Update and Landfill Maintenance			
3.3	OU-3			
	3.3.1 OU 3 Preliminary Groundwater Results Discussion – Tag Map/Contour Map	Donald		
	3.3.2 Storm Sewer Outfalls Discussion/Review	Team		
	3.3.3 Vapor Intrusion Discussion – Casey Hudson	Casey		
3.4	OU-6 – PSC 52 – Hangar 1000 - Annual data results	Alan		
3.5	OU-7 – PSC 46 DRMO update	Casey/Eric		
3.6	OU-8 – PSC 47 – Pesticide Shop	Casey/Eric		
3.7	Petroleum Sites			
	Gas Hill	Eric	30-mins	
	Hawkins			
	PCA 25			
	NEX Gas Station - Sampling Results	Alan		
	Kemen Test Cell			
	S-3 High Power Turn-up Pad			
3.8	MRP Sites	Alan		
3.9	PSC Sites with LUCs and no RODs –	Alan		
3.10	PSC 45-Building 200 Wash Rack –	Alan		
3.11	PSC 55-	Alan		
3.12	PSC 38	Alan		
3.13	Five Year Review	Mark		

Item	Description	Presenter	Time	Category
4.0	MISCELLANEOUS			
4.1	Proposed Construction Update	Tim		
4.2	Tier II Update			
4.3	Institutional Controls Implementation Update	Tim		
4.4	NIRIS Update -			
4.5	RCRA Activities –	Tim		
4.6	Exit Strategy Review	Mark		
4.7	BOA Contracts Update	Tim/Adrienne		
4.8	Review FFA	Team		
5.0	MEETING CLOSING			
5.1	Review Meeting Consensus Items			
5.2	Review Meeting Understandings			
5.3	Review Action Items			
5.4	Next Meeting Proposed Agenda			
5.5	Set Dates for Future Meetings			
5.6	Set the Next Meeting Location, Duration, and Roles			
5.7	Facilitator Plus/Deltas			
5.8	Facilitator Evaluation			

ID	Task Name	Actual Start	Actual Finish	Start	Finish	2009				2010				2011				
						1Q09	2Q09	3Q09	4Q09	1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11	4Q11	1Q12
1	Hangar 1000 MNA Baseline Study	Tue 8/12/03	NA	Tue 8/12/03	Mon 12/20/10													
2	First Quarter Sampling	Tue 8/12/03	Tue 8/12/03	Tue 8/12/03	Tue 8/12/03													
3	Team Review of Draft-Final FFS Report	Wed 8/13/03	Tue 3/16/04	Wed 8/13/03	Tue 3/16/04													
4	Submit Final RI/FFS to Team	Wed 3/17/04	Wed 3/17/04	Wed 3/17/04	Wed 3/17/04													
5	Submit Draft Proposed Plan	Tue 8/30/05	Tue 8/30/05	Tue 8/30/05	Tue 8/30/05													
6	Team Review of Draft Proposed Plan	Wed 8/31/05	Fri 4/28/06	Wed 8/31/05	Fri 4/28/06													
7	Submit Final Proposed Plan	Wed 5/10/06	NA	Wed 5/10/06	Wed 5/10/06													
8	Submit Draft ROD	NA	NA	Fri 6/9/06	Fri 6/9/06													
9	Team Review of Draft ROD	NA	NA	Wed 12/13/06	Thu 1/11/07													
10	Submit Final ROD	NA	NA	Fri 1/12/07	Fri 1/12/07													
11	Hangar 1000 LUCRD - Draft	NA	NA	Mon 7/2/07	Tue 7/31/07													
12	Team Review of LUCRD	NA	NA	Wed 8/1/07	Thu 8/30/07													
13	Submit Final LUCRD	NA	NA	Mon 10/1/07	Fri 10/12/07													
14	Hangar 1000 MNA Work Plan - Draft	NA	NA	Fri 8/24/07	Fri 10/12/07													
15	Team Review - MNA Work Plan	NA	NA	Mon 3/24/08	Fri 5/2/08													
16	Submit Final MNA Work Plan	NA	NA	Mon 5/5/08	Fri 5/16/08													
17	Hangar 1000 Semiannual Monitoring Report	Mon 11/23/09	NA	Mon 11/23/09	Thu 11/4/10													
18	Team Review - Semiannual Report	NA	NA	Mon 12/6/10	Mon 12/6/10													
19	Submit Final Semi-annual Monitoring Report	NA	NA	Fri 12/10/10	Mon 12/13/10													
20	Submit Hangar 1000 Draft Annual Monitoring Report	NA	NA	Fri 10/29/10	Fri 11/19/10													
21	Team Review Draft Annual Monitoring Report	NA	NA	Mon 11/22/10	Fri 12/17/10													
22	Submit Final Annual Monitoring Report	NA	NA	Mon 12/20/10	Mon 12/20/10													
23	OU 3 - RIFS Addendum	Tue 9/15/09	NA	Tue 9/15/09	Fri 11/16/12													
24	DQO Meeting # 1	Tue 9/15/09	NA	Tue 9/15/09	Tue 9/15/09													
25	Prepare Draft UFP SAP	Fri 10/16/09	NA	Fri 10/16/09	Fri 3/12/10													
26	Team Review of UFP SAP	NA	NA	Mon 4/5/10	Fri 5/14/10													
27	Submit Final UFP SAP	NA	NA	Fri 5/28/10	Wed 6/30/10													
28	Field Execution	NA	NA	Tue 6/1/10	Fri 2/4/11													
29	Prepare Draft RI Addendum	NA	NA	Mon 4/18/11	Fri 5/27/11													
30	Team Review RI Addendum	NA	NA	Mon 5/30/11	Mon 7/4/11													
31	Prepare Draft FS	NA	NA	Tue 7/5/11	Tue 10/18/11													
32	Team Review Draft FS Addendum	NA	NA	Wed 10/19/11	Mon 11/21/11													
33	Submit Final FS Addendum	NA	NA	Tue 11/22/11	Fri 12/2/11													
34	Draft Proposed Plan	NA	NA	Mon 9/3/12	Fri 10/26/12													
35	Team Review Draft Proposed Plan	NA	NA	Mon 10/29/12	Mon 10/29/12													
36	Final PP/Public Meeting	NA	NA	Tue 10/30/12	Fri 11/16/12													
37	Prepare Draft ROD	NA	NA	Fri 3/16/12	Fri 6/8/12													
38	Team Review Draft ROD	NA	NA	Mon 6/11/12	Fri 7/27/12													
39	Incorporate Final ROD comments	NA	NA	Fri 8/31/12	Fri 8/31/12													
40	Issue Final ROD	NA	NA	Mon 9/3/12	Mon 9/3/12													
41	OU 1 - Investigation	Mon 8/15/05	NA	Mon 8/15/05	Thu 11/11/10													
42	Submit Draft OU 1 SAP	Mon 8/15/05	Mon 8/15/05	Mon 8/15/05	Mon 8/15/05													
43	Team Review of Draft OU 1 SAP	Tue 8/16/05	Mon 10/3/05	Tue 8/16/05	Mon 10/3/05													
44	Submit Final OU 1 SAP	Fri 10/7/05	Fri 10/7/05	Fri 10/7/05	Fri 10/7/05													
45	Issue Final OU1 Soil Gas Survey and GW Letter Report	Mon 11/7/05	NA	Mon 11/7/05	Thu 4/30/09													
46	Submit Draft SAP for area west of OU-1	Mon 1/1/07	NA	Mon 1/1/07	Fri 1/19/07													
47	Team Review of Draft SAP for area west of OU-1	Fri 1/19/07	Fri 1/19/07	Fri 1/19/07	Fri 1/19/07													
48	Submit Final SAP for area west of OU-1	Mon 2/19/07	Mon 2/19/07	Mon 2/19/07	Mon 2/19/07													
49	Submit Draft Sampling Event Report for OU-1 West Side	Fri 7/20/07	Fri 1/11/08	Fri 7/20/07	Fri 1/11/08													
50	Team Review of Sampling Event Report for OU-1 West Side	Mon 1/14/08	Fri 2/15/08	Mon 1/14/08	Fri 2/15/08													
51	Submit Final OU-1 West Side Sampling Event Report	Mon 2/18/08	Fri 3/14/08	Mon 2/18/08	Fri 3/14/08													
52	Submit Draft LUCRD	NA	NA	Fri 8/7/09	Thu 6/24/10													
53	Team Review Draft LUCRD	NA	NA	Fri 6/25/10	Fri 10/29/10													
54	Submit Final LUCRD	NA	NA	Mon 11/1/10	Thu 11/11/10													



ID	Task Name	Actual Start	Actual Finish	Start	Finish	2009				2010				2011					
						1Q09	2Q09	3Q09	4Q09	1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11	4Q11	1Q12	
55																			
56	NEX Gas Station	NA	NA	Fri 10/26/07	Fri 6/17/11														
57	Draft CAP	NA	NA	Fri 10/26/07	Fri 11/23/07														
58	Team Review Draft CAP	NA	NA	Fri 11/30/07	Mon 12/10/07														
59	Issue Final CAP	NA	NA	Tue 1/1/08	Fri 1/18/08														
60	Submit Draft SAR	NA	NA	Fri 6/27/08	Fri 12/10/10														
61	Team Review Draft SAR	NA	NA	Mon 12/13/10	Mon 1/17/11														
62	Issue Final SAR	NA	NA	Tue 1/18/11	Tue 1/18/11														
63	Issue Draft RAP	NA	NA	Mon 3/21/11	Fri 4/15/11														
64	Team Review Draft RAP	NA	NA	Mon 4/18/11	Wed 5/18/11														
65	Issue Final RAP	NA	NA	Fri 6/17/11	Fri 6/17/11														
66	MMRP - Firing Range Sites.	NA	NA	Thu 8/14/08	Thu 9/30/10														
67	Draft DQOs - UFP SAP	NA	NA	Thu 8/14/08	Fri 1/30/09														
68	Team Review Draft UFP-SAP	NA	NA	Fri 1/30/09	Fri 2/27/09														
69	Issue Final UFP SAP	NA	NA	Tue 9/8/09	Fri 9/25/09														
70	Submit Draft Investigation Report	NA	NA	Fri 2/19/10	Wed 6/30/10														
71	Team Review Draft Report	NA	NA	Thu 7/1/10	Fri 9/10/10														
72	Issue Final Investigation Report	NA	NA	Mon 9/13/10	Thu 9/30/10														
73	815 Wash Rack SI	NA	NA	Thu 7/31/08	Mon 8/29/11														
74	Draft DQOs	NA	NA	Thu 7/31/08	Fri 9/19/08														
75	Team Review Draft DQOs	NA	NA	Fri 9/19/08	Fri 10/24/08														
76	Issue Final DQOs	NA	NA	Thu 5/20/10	Thu 7/29/10														
78	Team Review Draft UFP SAP	NA	NA	Fri 8/27/10	Fri 8/27/10														
79	Issue Final UFP SAP	NA	NA	Fri 9/17/10	Fri 9/17/10														
80	Submit Draft SI	NA	NA	Fri 4/16/10	Fri 11/5/10														
81	Team Review Draft SI	NA	NA	Mon 11/8/10	Wed 12/8/10														
82	Issue Final SI	NA	NA	Thu 12/9/10	Wed 12/22/10														
83	Issue Draft RI	NA	NA	Mon 5/2/11	Mon 6/20/11														
84	Team Review Draft RI	NA	NA	Tue 6/21/11	Thu 7/21/11														
85	Issue Final RI	NA	NA	Fri 7/22/11	Fri 7/22/11														
86	Issue Draft FS	NA	NA	Mon 7/25/11	Mon 7/25/11														
87	Team Review Draft FS	NA	NA	Fri 8/26/11	Fri 8/26/11														
88	Issue Final FS	NA	NA	Mon 8/29/11	Mon 8/29/11														
89	PSC Sites With LUCS	NA	NA	Thu 8/6/09	Fri 12/16/11														
90	Draft DQOs Meeting	NA	NA	Thu 8/6/09	Wed 9/16/09														
91	Prepare Draft UFP SAP	NA	NA	Mon 9/21/09	Fri 5/7/10														
92	Team Review UFP SAP	NA	NA	Mon 5/10/10	Fri 9/17/10														
93	Issue Final UFP SAP	NA	NA	Mon 9/20/10	Mon 11/22/10														
94	Submit Draft SI Addendum	NA	NA	Tue 11/23/10	Thu 12/30/10														
95	Team Review SI Addendum	NA	NA	Fri 12/31/10	Thu 2/3/11														
96	Issue Final SI Addendum	NA	NA	Mon 9/8/11	Fri 12/16/11														
97	PSC 55	NA	NA	Fri 2/19/10	Fri 7/15/11														
98	Draft DQOs Meeting	NA	NA	Fri 2/19/10	Thu 4/22/10														
99	Prepare Draft UFP SAP	NA	NA	Fri 4/23/10	Fri 11/12/10														
100	Team Review UFP SAP	NA	NA	Mon 11/15/10	Fri 12/17/10														
101	Issue Final UFP SAP	NA	NA	Mon 12/20/10	Fri 1/7/11														
102	Prepare Draft SI Report	NA	NA	Fri 4/15/11	Fri 5/27/11														
103	Team Review Draft SI Report	NA	NA	Mon 5/30/11	Fri 7/1/11														
104	Issue Final SI Report	NA	NA	Mon 7/4/11	Fri 7/15/11														



NAS Jacksonville Partnering Team Document Review Status

Date of Status: 29-Oct-2010

No.	Document Name	Date Submitted (or to be submitted)	Comments Received from				
			FDEP	EPA	NAVFAC SE RPM	NAVFAC SE Chemist	NAS JAX
Tetra Tech Documents							
1	Draft-Final OU-1 LUCRD	24-Jun-2010				NA	
2	Final MMRP SI Report	30-Jun-2010			NA	NA	NA
3	Draft Five-Year Review	29-Oct-2010					
4	Semiannual Monitoring Report - Hangar 1000	4-Nov-2010					
5	Draft SI Report PSC 45	5-Nov-2010					
6	Final UFP-SAP -PSC Sites with No ROD	5-Nov-2010					
7	Draft UFP-SAP (RIFS) for PSC 45	12-Nov-2010					
8	Draft UFP-SAP (SI) for PSC 55	12-Nov-2010					
9	Draft UFP-SAP (RIFS) for PSC 38	26-Nov-2010					
CH2MHILL Documents							
1	Draft Final 2009 Pesticide Shop Annual Monitoring Report	7-Jun-2010			X	NA	X
2	Draft Final Annual Monitoring Report - Gas Hill (2009)	24-Sep-2010		NA	X	NA	X
3	Draft Final Remedial Action Completion Report - Pesticide Shop**	3-Sep-2010		X	X	NA	X
4	Draft VI Screening Report	20-Sep-2010				NA	
5	Draft 2010 Annual Monitoring Report - Gas Hill	8-Nov-2010		NA		NA	

Naval Air Station Jacksonville Jacksonville, Florida

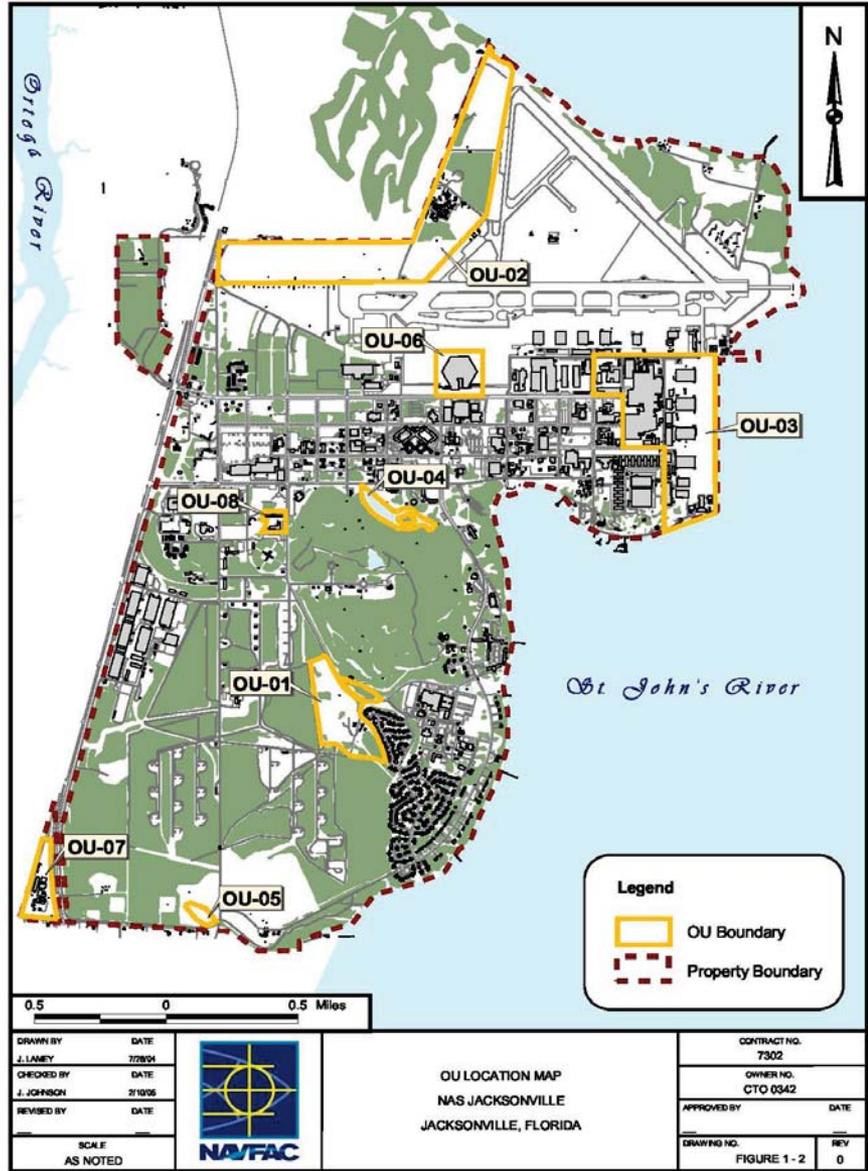
Five-Year Review
October, 2010

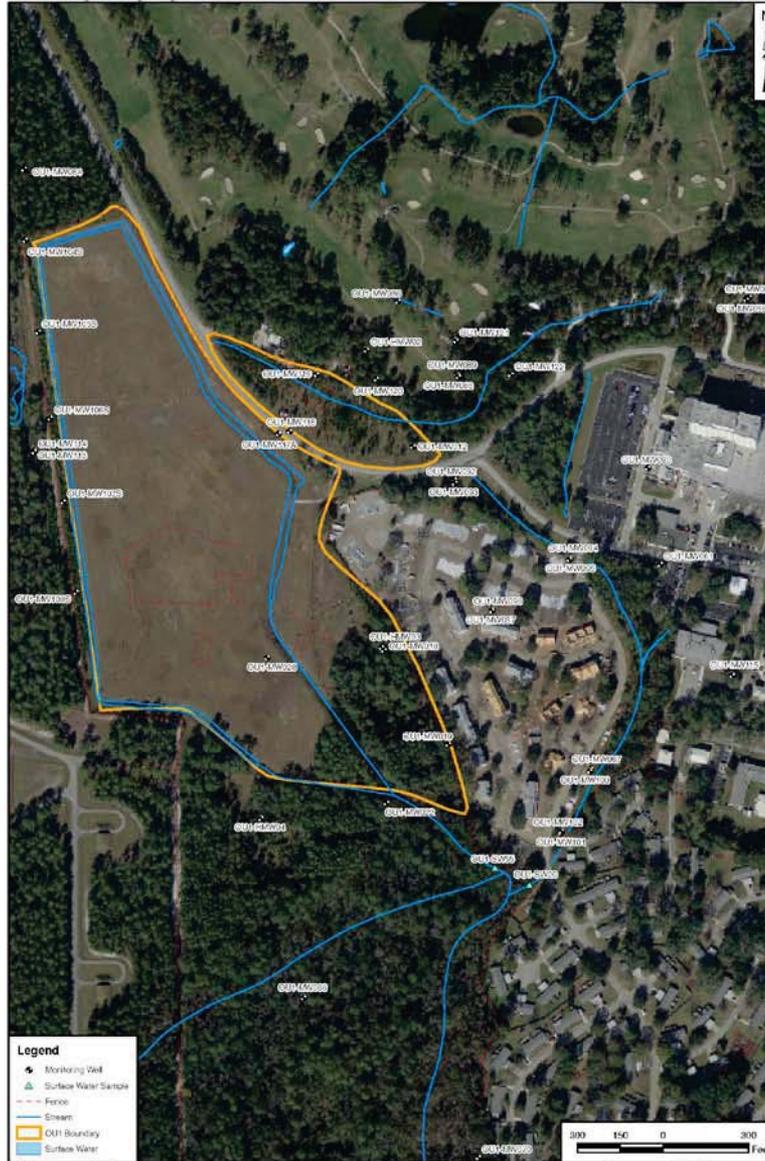


TETRA TECH, INC.

Objectives

- Complete Statutory Five-Year Review of all Operable Units (OUs) at NAS Jacksonville.
- Prior five-year review included OUs 1-4
- Since the last five-year review, RODs have been completed for OUs 5-8.
- NAS Jacksonville Final Five-Year Review Deadline is March 2011.
- Draft to be issued Oct 28, 2010





OWNER BY	DATE
A. JACOBA	01/04/04
DRAWN BY	DATE
D. GARDNER	08/09/10
REVIEW BY	DATE
C. MOORE	10/22/10
SCALE	
AS NOTED	



MONITORING WELLS AND SURFACE WATER SAMPLE
 OPERABLE UNIT 1
 FIVE YEAR REVIEW
 NAS JACKSONVILLE
 JACKSONVILLE, FLORIDA

CONTRACT NO.	0602
OWNER NO.	070-102
APPROVED BY	DATE
PREPARED BY	DATE
FIGURE NO.	FIGURE 2-3
REV	0

TABLE 2-4
ISSUES FROM LAST FIVE-YEAR REVIEW AND ACTIONS TAKEN SINCE THEN
FIVE-YEAR REVIEW
OPERABLE UNIT 1
NAVAL AIR STATION JACKSONVILLE
JACKSONVILLE, FLORIDA

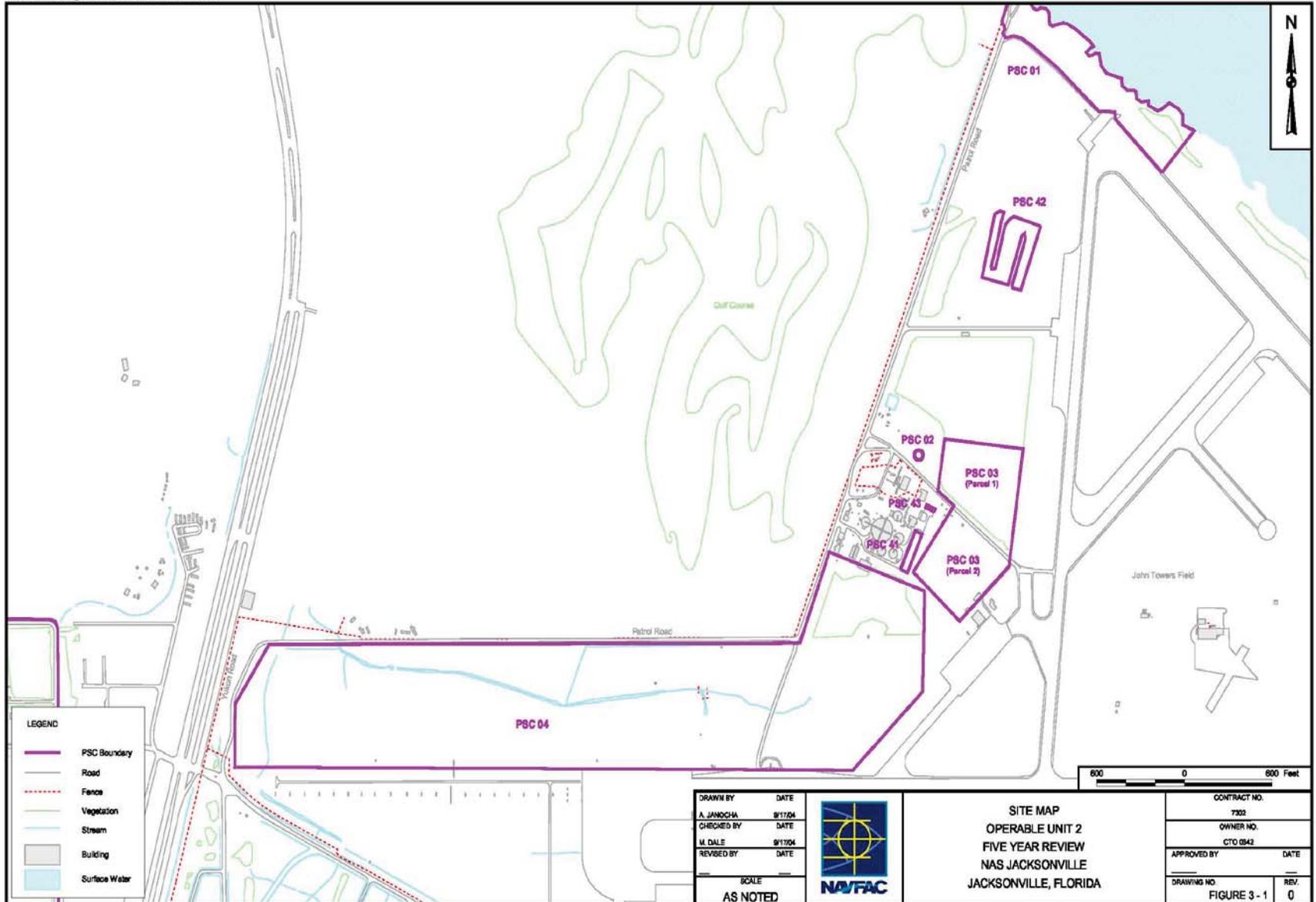
Issue Number	Issue	Recommendations	Milestone Date	Action Taken and Outcome	Date of Action
1	Soil and Groundwater contamination on NW boundary of OU 1 is not delineated.	Perform supplemental investigation along NW boundary to define and delineate shallow soil and groundwater issues. Make protectiveness determination.	04-Mar-10	See Section 2.5.2.1	LUC RD submitted but not yet approved.
2	LNAPL recovery rates slower than projected.	The LNAPL system was shutdown in February 2005. Therefore, these issues have been overcome by events.	28-Feb-05	See Section 2.5.2.2	NA
3	LNAPL system not operating.				
4	Lock missing on well MW-67.	Replace lock on well MW-67.	31-Mar-05	See Section 2.5.2.3	Not recorded.
5	Missed one LUC Inspection.	Inspect site quarterly or as required by LUCIPs.	30-Jun-05	See Section 2.5.2.4	On-going
6	No HASP or contingency plan exists for the LNAPL system.	The LNAPL system was shutdown in February 2005. Therefore, these issues have been overcome by events	28-Feb-05	See Section 2.5.2.2	NA
7	Indoor air intrusion potential for residences in the groundwater contamination plume area.	Evaluate this issue and take any required corrective actions.	04-Mar-10	See Section 2.5.2.5	Sep 2008 letter report
8	According to the most recent USGS modeling effort, there is a potential for contaminated groundwater in the northern portion of the plume to migrate beyond the currently defined groundwater system.	Add monitoring wells located east of MW-89 to the monitoring program to verify that the groundwater contamination is contained within the monitoring network.	04-Mar-10	See Section 2.5.2.6	NA
9	The LNAPL system operation has been discontinued, and the RAO has not been achieved. A new remedy (e.g., natural attenuation) may need selected and the proper administrative actions performed.	Prepare proper CERCLA documentation for alternate remedy.	04-Mar-10	See Section 2.5.2.2	20-Oct-10

NA: Not applicable; overcome by events.

New Findings

- Proposed boundary expansion to encompass MW109S . LUCRD pending EPA and FDEP Approval.
- TCLAs for SW do not include current FAC 62-777 FW CTLs for 1,2-DCA (37 µg/L), trans-1,2-DCE (11,000 µg/L), and vinyl chloride (2.4 µg/L). It is recommended that the NAS Jacksonville Partnering Team adopt the CTLs TLCAAs for OU 1
- Several monitoring wells have detected concentrations of iron that exceed background values as well as FDEP's GCTL and FDEP's surface water criteria for iron. Iron was not a final COC at OU 1. Because surface water samples collected at locations SW-20 and SW-55 are not analyzed for iron. It is recommended that the NAS Jacksonville Partnering Team determine whether iron should be analyzed in future surface water samples collected at SW-20 and SW-55.

FIG18JACKSONVILLE_NASAPROJ02APR SITE LAYOUT 22106 CF



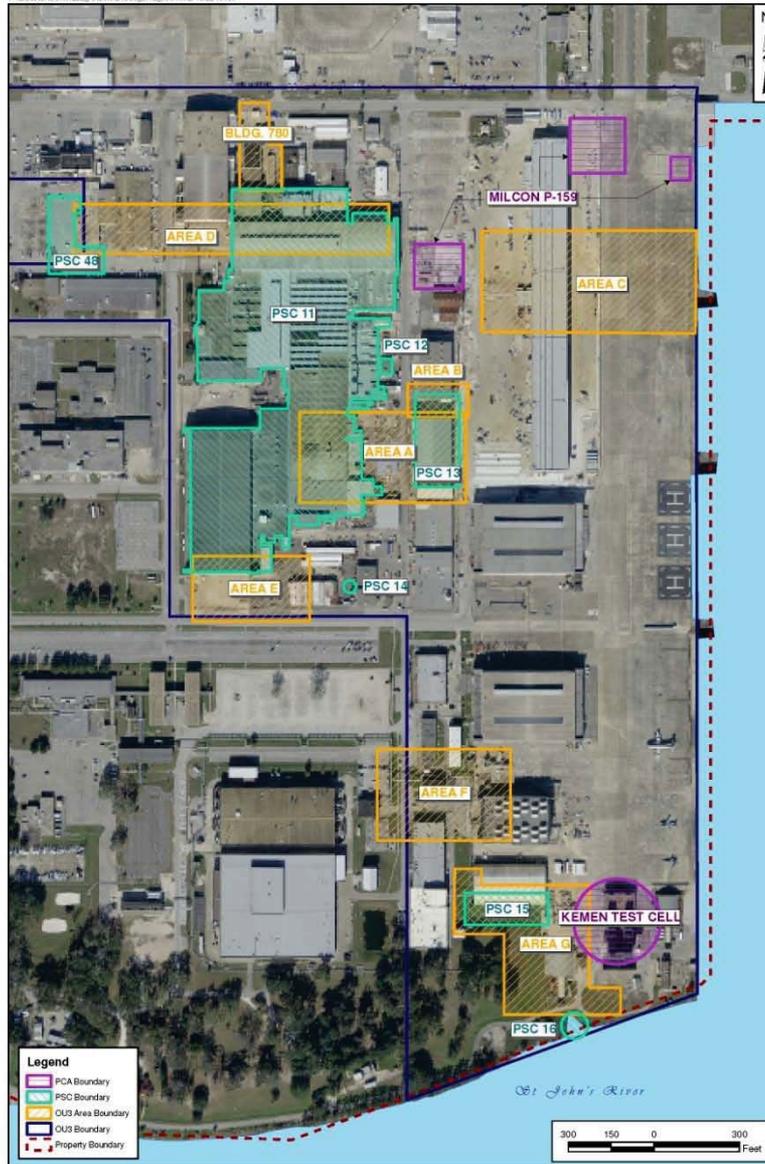
OU-2 Prior Findings

- Found to be protective with LUCs and monitoring conducted as scheduled. Noted one missed inspection.



New Findings

- MOA based LUC inspections current.
- Monitoring was discontinued in 2006 for PSCs 41 and 43. Approved by FDEP under stations HSWA permit.
- Arsenic exceeds MCL at PSC 42 in well NAS 42-5R. An additional down gradient well has been recommended and is scheduled for installation.
- Remedy at OU-2 is Protective.



Legend	
	PCA Boundary
	PSC Boundary
	OU3 Area Boundary
	OU3 Boundary
	Property Boundary

DRAWN BY J. LIMEY	DATE 8/26/09
CHECKED BY D. RAPFISON	DATE 10/22/10
REVIEWED BY K. MOORE	DATE 10/22/10
SCALE AS NOTED	



SITE MAP
OPERABLE UNIT 3
NAS JACKSONVILLE
JACKSONVILLE, FLORIDA

CONTRACT NO. 730	
OWNER NO. GTD #52	
APPROVED BY	DATE
FIGURE NO. FIGURE 4 - 1	REV 0

OU-3 Optimization Study

- Prior five-year review and ROD requirements led to an optimization study for Bldg 106 and 780. The optimization study was expanded for all of OU-3 and was based in part on the findings of the prior five-year review. The results of the Optimization study resulted in a decision to re-evaluate the approach to OU-3 sites and conduct additional evaluation of data gaps with the intent of preparing a updated ROD that would incorporate all OU-3 sites in a site wide risk based approach.

Optimization Study Outcomes

- Discontinue GW treatment at Bldgs 106 & 780
- Do not treat GW at Area F due to lower concentrations encountered during remedial design.
- Conduct additional sampling to evaluate potential impact to the St. Johns River (Barge Sampling event)
- Conduct detailed sampling of primary transport pathways via MIP and DPT and well installations to monitor MNA
- .

Optimization Study Outcomes

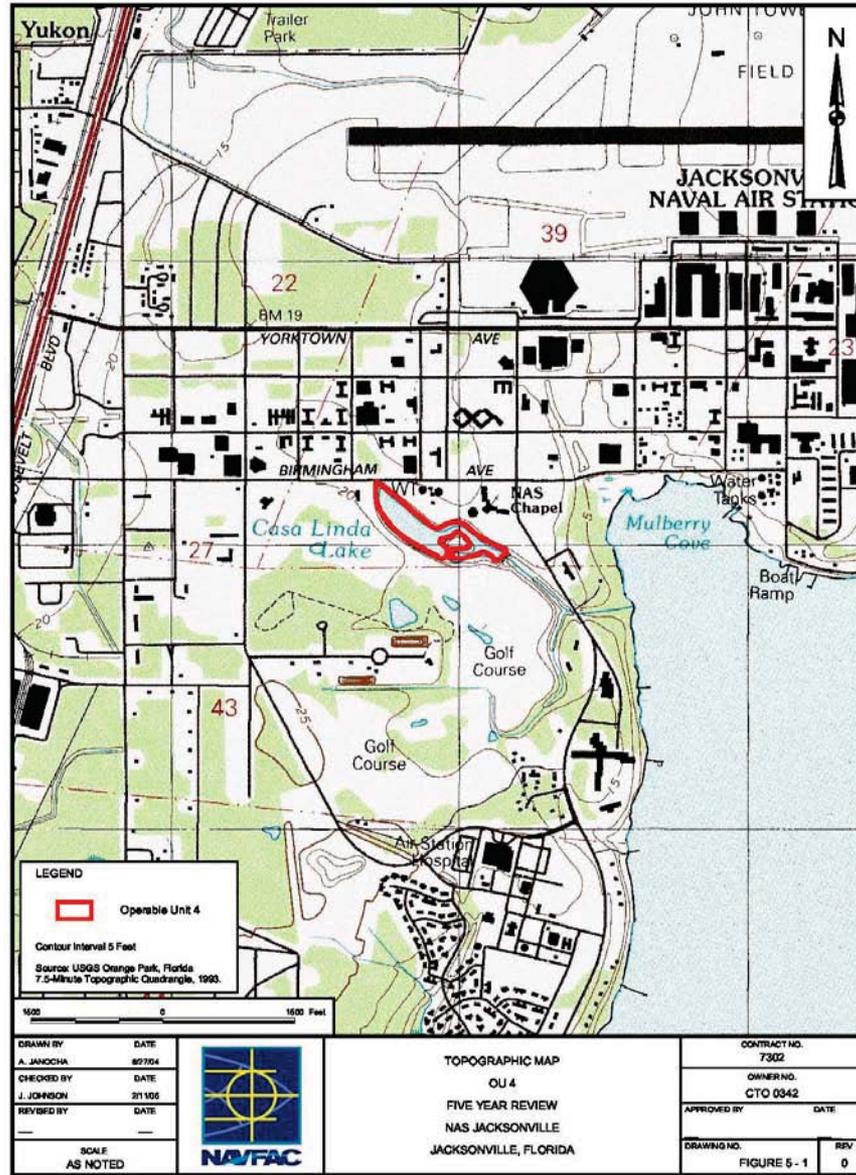
- Prepare and update a 3-D conceptual model for the entire OU.
- Evaluate potential risks to site workers posed by indoor vapor air intrusion in accordance with developing EPA and Navy guidance.
- Prepare RIFS Addendum, new Proposed Plan and updated ROD

TABLE 4-4
RECOMMENDATIONS AND FOLLOW-UP ACTIONS
FIVE-YEAR REVIEW
OPERABLE UNIT 3
NAVAL AIR STATION JACKSONVILLE
JACKSONVILLE, FLORIDA

Issue Number	Issues	Recommendations	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness (Y/N)	
						Current	Future
1	Monitoring well networks at Buildings 106 and 780 are insufficient.	This should be addressed as a part of the investigation for the RI/FS Addendum for OU 3.	Navy	USEPA/FDEP	30-Oct-11	Y	Y
2	Remediation systems at PSC 48 and Building 780 have been shut down, but documentation is incomplete. No alternative forms of remediation have been implemented, and plume containment has not been confirmed or achieved.	This should be addressed in the updated ROD.	Navy	USEPA/FDEP	*	Y	Y
3	Areas C and D not being monitored quarterly as stipulated in the ROD. Documentation of this was not found.	This should be addressed in the updated ROD.	Navy	USEPA/FDEP	*	Y	Y
4	Monitoring well networks at Areas C and D do not encompass all of the groundwater contamination (e.g., the COC concentrations in the perimeter wells exceed GCTLs).	This should be addressed as a part of the investigation for the RI/FS Addendum for OU 3.	Navy	USEPA/FDEP	30-Oct-11	Y	Y
5	The RAO of reducing VOCs in groundwater to the ARARs/action levels within five years has not been achieved at Area C.	This should be addressed in the updated ROD.	Navy	USEPA/FDEP	25-Sep-00	Y	Y

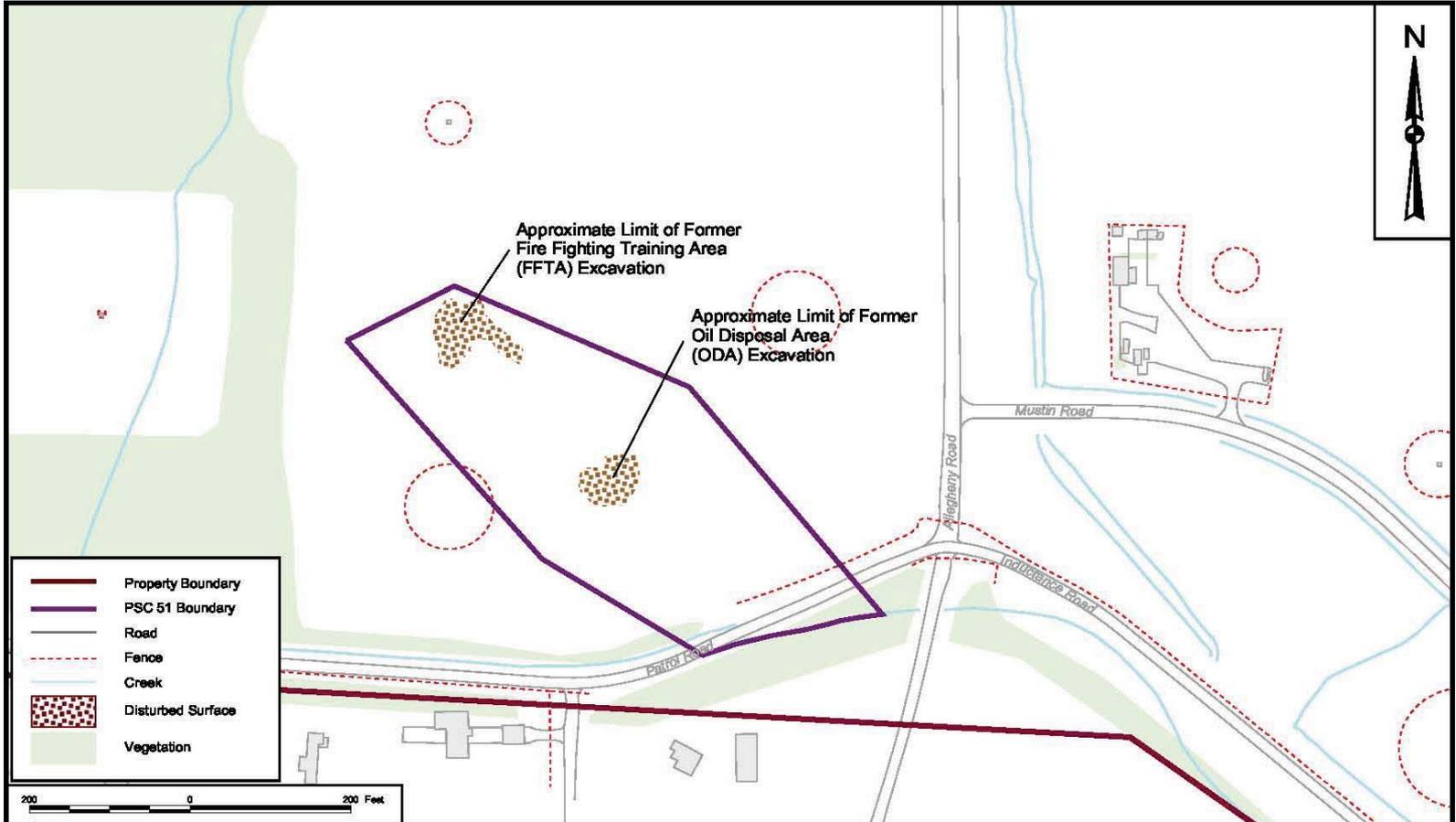
TABLE 4-4
RECOMMENDATIONS AND FOLLOW-UP ACTIONS
FIVE-YEAR REVIEW
OPERABLE UNIT 3
NAVAL AIR STATION JACKSONVILLE
JACKSONVILLE, FLORIDA

Issue Number	Issues	Recommendations	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness (Y/N)	
						Current	Future
6	Monitoring well network at Area G does not encompass all of the groundwater contamination (e.g., the COC concentrations in the perimeter wells exceed GCTLs).	This should be addressed as a part of the investigation for the RI/FS Addendum for OU 3.	Navy	USEPA/FDEP	30-Oct-11	Y	Y
7	There are no groundwater use restrictions in place at OU 3 for Buildings 106 and 780, Areas B, C, D, F and G.	A LUC RD should be completed to address groundwater restrictions for all of OU 3 following completion of the updated ROD	Navy	USEPA/FDEP	*	Y	Y
8	Reported groundwater contamination exists to the west of Building 106, which is outside the existing boundary of OU 3.	Redraw existing boundary of OU 3 to include identified groundwater contamination in the updated ROD.	Navy	USEPA/FDEP	*	Y	Y
9	Remedy has not been implemented at Area F.	This should be addressed in the updated ROD.	Navy	USEPA/FDEP	*	Y	Y
10	Storm sewers at Areas F and G are not in a monitoring program.	This should be addressed in the updated ROD.	Navy	USEPA/FDEP	*	Y	Y
11	Vapor intrusion pathway for indoor building exposure has not been evaluated.	Conduct vapor intrusion study.	Navy	USEPA/FDEP	30-Oct-11	Y	Y

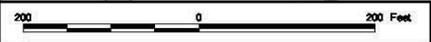


OU-4 Findings

- Found to be Protective.
- Documentation issue – OU-4 not in the MOA, and no LUCIP document exists.
- Also noted that ROD states that natural attenuation will reduce COC levels in sediment, but no monitoring was required.
- Recommendation – Prepare LUCRD?



	Property Boundary
	PSC 51 Boundary
	Road
	Fence
	Creek
	Disturbed Surface
	Vegetation



DRAWN BY A. JANOCHA	DATE 8/28/02
CHECKED BY G. ROOF	DATE 10/19/04
COST/SCHEDULE-AREA	
SCALE AS NOTED	



SITE LOCATION MAP
PSC 51
NAS JACKSONVILLE
JACKSONVILLE, FLORIDA

CONTRACT NUMBER 0294	
APPROVED BY —	DATE —
APPROVED BY —	DATE —
DRAWING NO. FIGURE 6-1	REV 0

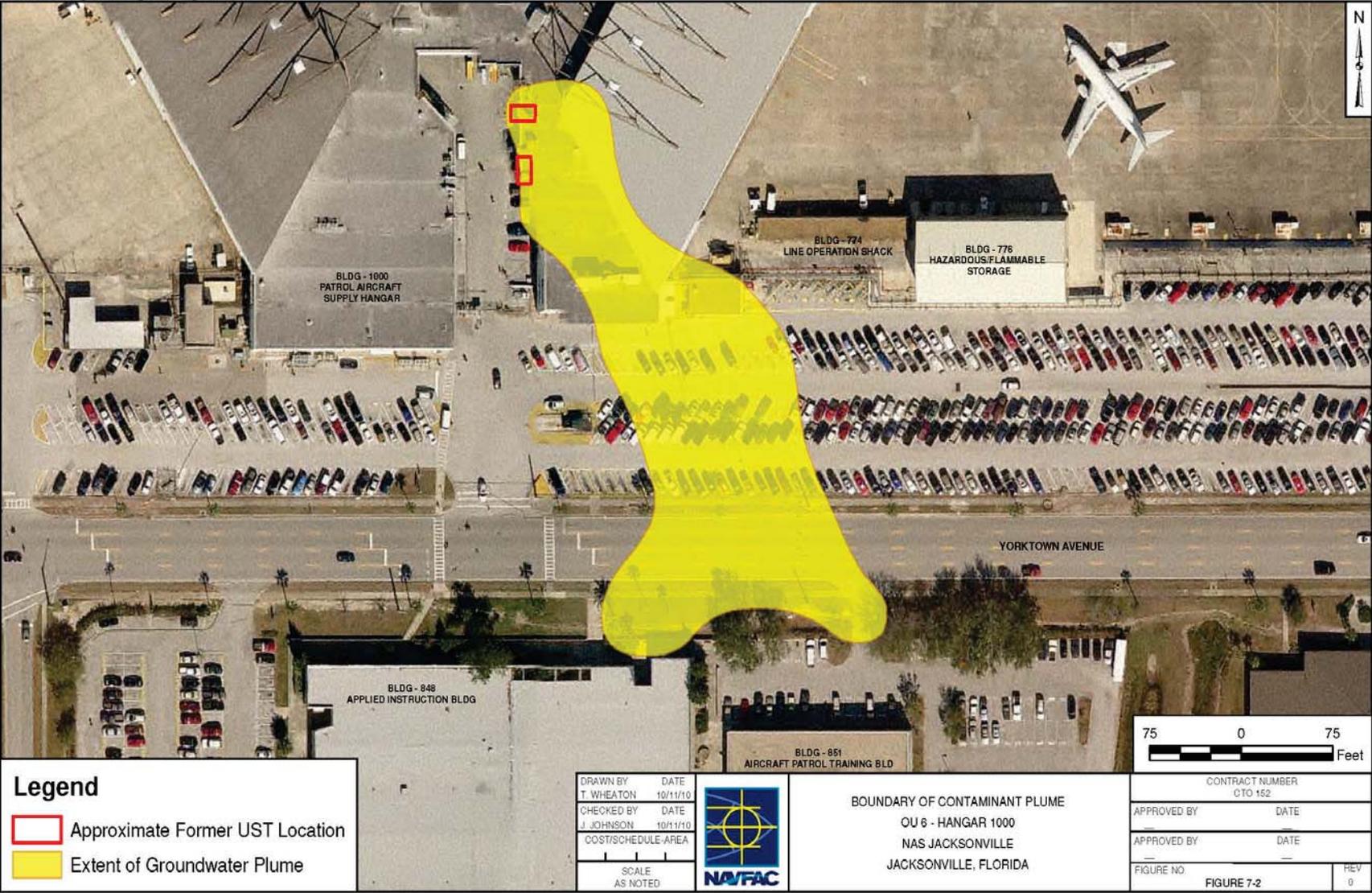
OU-5 Findings

- LUCRD in place and LUC inspections up to date.
- GW Monitoring is progressing. Annual report for 2010 concludes COCs are decreasing and are below milestone target levels specified in the MNA Work Plan.
- Surface Water results are below Surface Water Criteria.
- Remedy is found to be Protective.

P:\GIS\JACKSONVILLE_NAS\MXD\OU6_HANGAR1000_GWL\OCS.MXD 10/11/10 TW



PIG15JACKSONVILLE_NASMDIC06_HANGAR1000_PLUME.MXD 10/11/10 TW



Legend

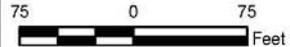
- Approximate Former UST Location
- Extent of Groundwater Plume

DRAWN BY T. WHEATON	DATE 10/11/10
CHECKED BY J. JOHNSON	DATE 10/11/10
COST/SCHEDULE-AREA	

SCALE
AS NOTED



BOUNDARY OF CONTAMINANT PLUME
OU 6 - HANGAR 1000
NAS JACKSONVILLE
JACKSONVILLE, FLORIDA

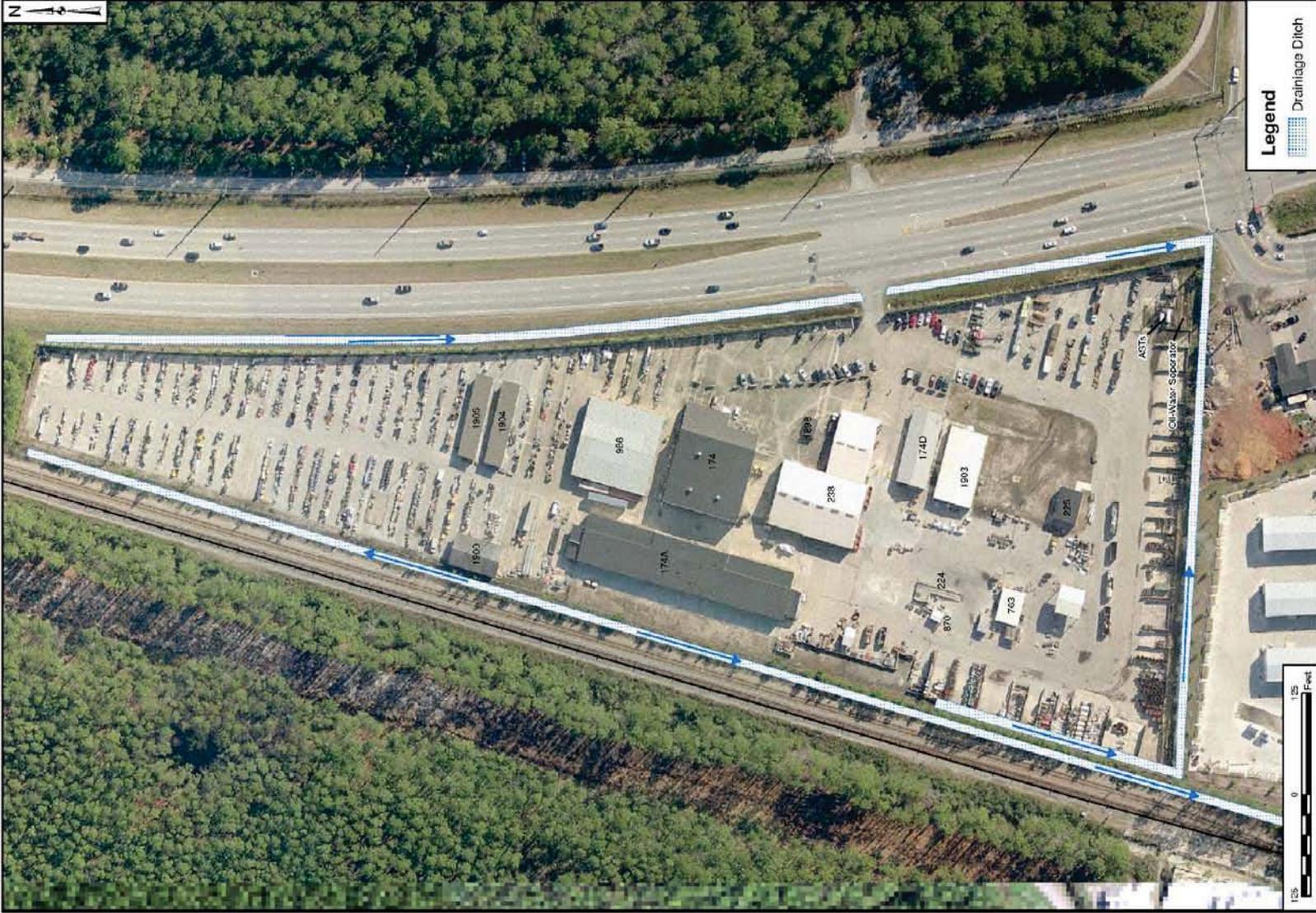


CONTRACT NUMBER CTO 152	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 7-2	0

OU-6 Findings

- LUCRD and MNA Work Plan Developed.
- LUC inspections are current
- Baseline Sampling has been completed with the last event in August of 2010.
- Annual report due by the end of December and is in preparation. Will include recommendations for MNA Work Plan modifications for continued monitoring as appropriate.
- Remedy is Protective.

P:\11JAX\11JAX004\11JAX004.DWG



<p>Legend</p>  Drainage Ditch	CLIENT: FLSB&H CTO: JSE
	APPROVED BY: DAVE DATE:
DRAWN BY: DAVE DATE:	REV: 0
FIGURE NO:	FIGURE B-1

SITE PLAN OUT - DRMC YARD NAS JACKSONVILLE JACKSONVILLE, FLORIDA	
---	--

	
DEPREP BY: T. WHEATON DATE: 10/14/10	DATE:
DESIGNED BY: J. JOHNSON DATE: 10/14/10	DATE:
DRAWN BY:	DATE:
SCALE: AS NOTED	DATE:

135 0 135 Feet



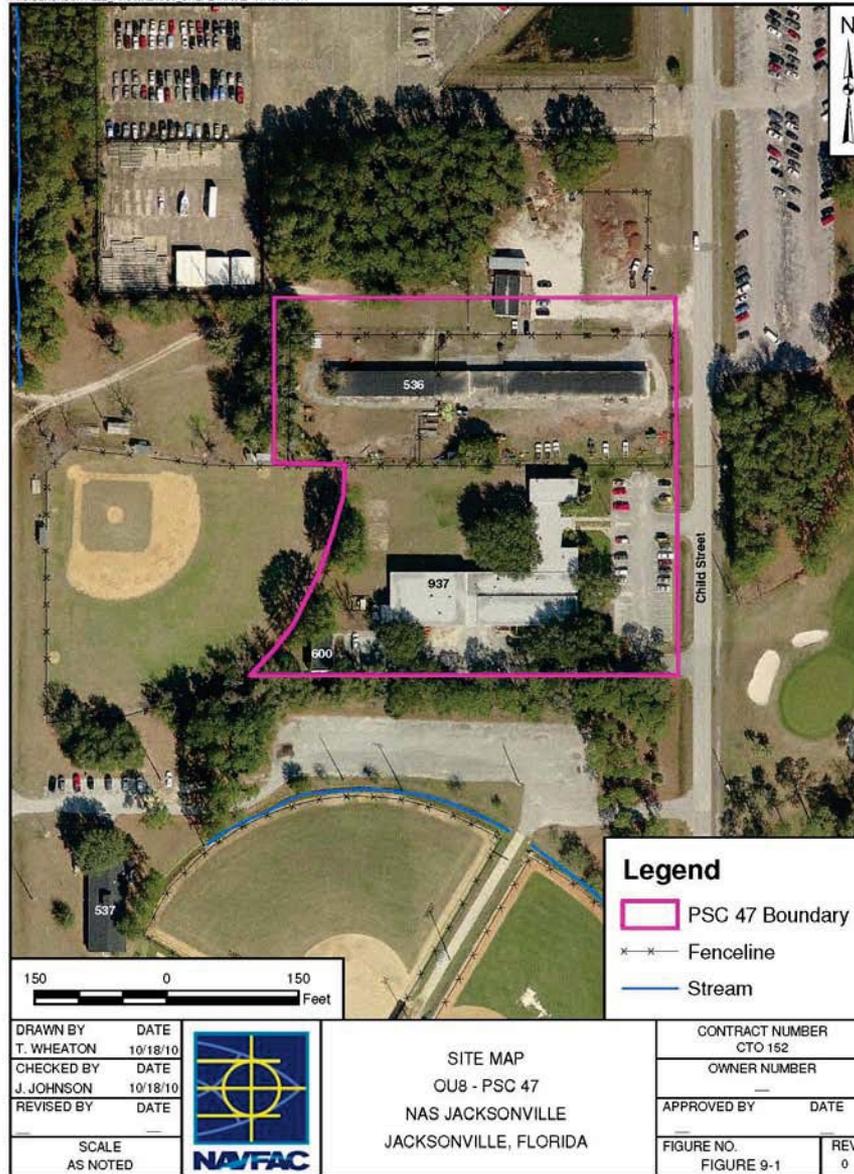
11JAX0004

8-8 CTO0152

OU-7 Findings

- LUCRD has been developed and LUC inspections are current.
- Soil Removal component of the remedy delayed by the discovery of potential UXO.
- Approval of the work plans for resumption of the soil remedy is imminent.
- GW Remedy has been delayed by the soil remedy.
- Remedy is protective.

P:\GIS\JACKSONVILLE_NAS\IMZ\OUB_SITEPLAN.MXD 10/18/10 TW



PG18JACKSONVILLE NASJMD/PSC47 EXCAVATION, CAPPING, MJD 10/21/10 SP



DRAWN BY S. PAXTON	DATE 10/21/10
CHECKED BY J. JOHNSON	DATE 10/21/10
REVISED BY	DATE
SCALE AS NOTED	



PSC 47 EXCAVATION AND CAPPING AREAS
CU 8
NAS JACKSONVILLE
JACKSONVILLE, FLORIDA

CONTRACT NUMBER CTO 152	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO 9 - 2	REV 0

Legend

- Soil Boring Location
- ▨ Concrete Pavement Based on Leachability Evaluation
- ▨ Surface Soil Excavation (0-2 ft bgs) Based on Direct Exposure Risk

OU-8 Findings

- LUCs and MNA Work Plan are in place, LUC inspections are current.
- Soil Removal/capping removal completed
- GW Monitoring in progress. COCs are stable or decreasing and soil contaminants are no longer contributing to groundwater contamination.
- Remedy is protective.



Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

March 6, 1998

Mr. Kevin Gartland, Code 184A
Environmental Division Director
Naval Air Station
Jacksonville, Florida 32212-5000

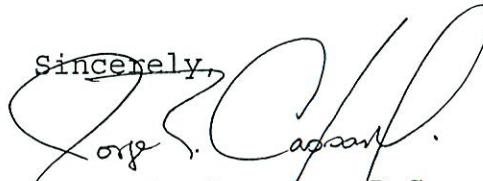
RE: Site 103rd Street . Naval Air Station Jacksonville,
Florida

Dear Mr. Gartland:

Department personnel concur with the groundwater Monitoring Only Proposal for Natural Attenuation at the above referenced site. I am enclosing a Monitoring Only Approval Order signed by Mr. John Ruddell.

If I can be of any assistance in this matter, please contact me at 904/488-3935.

Sincerely,



Jorge R. Caspary, P.G.

cc: Bryan Kizer, SOUTH DIV
Hermann Bauer, Bechtel

TJB B JJC B ESN B ESW

jx998.doc

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Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

March 5, 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bryan Kizer
Naval Facilities Engineering Command
P.O. Box 190010
N. Charleston, SC 29419-9010

Subject: Monitoring Only Plan
Approval Order
Site 103rd Street
6952 103rd Street
Jacksonville, Florida

Dear Mr. Kizer

The Bureau of Waste Cleanup has completed the review of the Monitoring Only Proposal for Natural Attenuation dated February 1998 (received February 13, 1998), submitted for this site. Pursuant to Rule 62-770.690, Florida Administrative Code (F.A.C.), the Department approves the monitoring only proposal. Pursuant to Rule 62-770.690, F.A.C., you are required to complete the monitoring program outlined below. The first sampling event should be performed within 60 days of receipt of this Monitoring Only Plan Approval Order (Order). Water-level measurements should be made immediately prior to each sampling event. The analytical results (laboratory report), chain of custody, cumulative summary table of the analytical results, site map(s) illustrating the most recent analytical results, and the water-level elevation information (cumulative summary table and most recent flow interpretation map), should be submitted to the Department within 60 days of sample collection.

<u>Monitoring Wells</u>	<u>Parameters</u>	<u>Frequency</u>
MW's 1, 2, 3, 5R, 7, TMW3, and MW-OR	VOAs, PAHs, and TRPH	Quarterly

If concentrations of chemicals of concern in any of the designated wells increase above the action levels listed below, the well or wells must be resampled no later than 30 days after

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Mr. Bryan Kizer
Page two of five
March 2, 1998

the initial positive results are known. If the results of the resampling confirm the initial sampling results, then a proposal must be submitted, as described in Rule 62-770.690(7)(f), F.A.C.

Contaminated wells:

MW-7, OR, and 5R: Natural Attenuation Default Source Concentrations (Table IX)

Perimeter wells (temporary point of compliance):

MW-1, 2, 3, and TMW3: Groundwater Cleanup Target Levels for Resource Protection/Recovery (Table V).

If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are achieved at the end of the monitoring period, a Site Rehabilitation Completion Report, summarizing the monitoring program and containing documentation supporting the opinion that the cleanup objectives have been achieved, should be submitted as required in Rule 62-770.690(8), F.A.C. If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are not achieved following one year of monitoring, then a report summarizing the monitoring program should be submitted, including a proposal as described in Rule 62-770.690(7)(g), F.A.C.

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department about this Order you do not have to do anything. This Order is final as of the date on the top of the first page of this Order.

If you disagree with the decision, you may do one of the following within 21 days after receipt of this Order:

1. File a petition for administrative hearing with the Office of the General Counsel of the Department within 21 days after receipt of this Order;

OR

2. File a request for an extension of time to file a petition for hearing with the Office of the General Counsel of the Department within 21 days after receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing.

Mr. Bryan Kizer
Page three of five
March 2, 1998

Please be advised that mediation of this decision, pursuant to Section 120.573, Florida Statutes (F.S.), is not available. How to Request an Extension of Time to File a Petition for Hearing

A request for an extension of time to file a petition for hearing must be filed (received) in the Office of the General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, within 21 days after receipt of this Order. Pursuant to Rule 28-106.111(3), F.A.C., a request for extension of time shall contain a certificate that the moving party has consulted with all other parties, if any, concerning the extension and that the Department and any other parties agree to said extension. Petitioner, if different from Southern Division Engineering Command, shall mail a copy of the petition to Southern Division Engineering Command at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be filed until the request is acted upon.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of the General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, within 21 days after receipt of this Order. Petitioner, if different from Southern Division Engineering Command, shall mail a copy of the petition to Southern Division Engineering Command at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Rules 62-103.155 and 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;

Mr. Bryan Kizer
Page four of five
March 2, 1998

- b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- d) A statement of the material facts disputed by the petitioner, if any;
- e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- f) A statement of which rules or statutes petitioner contends requires reversal or modification of the Department's action or proposed action; and
- g) A statement of the relief petitioner seeks, stating precisely what petitioner wants the Department to do regarding the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a Final Order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of this Order pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Department clerk in the Office of the General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000. Simultaneously with filing a Notice of Appeal with the Department, petitioner must file a copy of the Notice of Appeal with the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be received by the Department clerk within 30 days from the date this Order was signed by the Department clerk (see below).

Questions

Should you have any questions regarding the legal processes, please contact the Office of the General Counsel at (850) 488-9730. Any questions you may have on the technical aspects of this Order should be directed to Jorge R. Caspary at (850) 488-3935.

