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NSA PANAMA CITY  
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DRAFT MINUTES AND AGENDA FOR PARTNERING TEAM MEETING DATED 15 AUGUST  
2014 NSA PANAMA CITY FL  
8/15/2014  
TETRA TECH INC

**PARTNERING MEETING DRAFT MINUTES  
NSA PANAMA CITY  
August 15, 2014, Tetra Tech Jacksonville, FL**

**Leader:** Brian Syme

**Timekeeper:** Jeff Lockwood

**Members Present:**

Mike Clayton	NSA PC
Tom Johnston	Tetra Tech, Pittsburgh
Richard Lee	NSA PC
Jeff Lockwood	FDEP
Brian Syme	NAVFAC SE RPM
Gerry Walker	Tetra Tech, Tallahassee
Helen Lockard	Tier II Link
John Schoolfield	NAVFAC SE (NOSC)
Tim Flood	TME, Facilitator
Libby Claggett	Tetra Tech, Scribe

**Guest(s):** Mike Kuhn Tetra Tech (via telephone)

**Meeting Start Time:** 8:30 a.m., ET

**1. Check-In/Introductions/New Members/Opening Remarks/Head Count and Proxies/Guests**

Team members shared events since the last meeting.

**2. Action Items and Parking Lot Review/Minutes Approval/Agenda Changes/Team Charter Review/Ground Rules Review**

The Team then reviewed consensus items, parking lot items, and updated the action item list. The ground rules were reviewed.

OPEN ACTION ITEMS				
Action Item #	Responsible Party	Status	Due Date	Action Item
A-0413-02	(Charles) Brian Richard and Tom	Ongoing	4/12/2013	Charles is to finish the LUC matrix document regarding training requirements. <b>Update 10-2013:</b> Richard and Tom will finish the LUC matrix document and share with Team members. <b>Update 02-2014:</b> Tom will send the matrix to the Team upon his return to Pittsburgh from this meeting. <b>Update 05-2014:</b> The LUC matrix included a health and safety column however, if someone is working at a hazardous waste site, OSHA 40-hour is needed. <b>Update 08-2014:</b> Tom still needs to get with Richard regarding the matrix.

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A-0514-04	Helen	Done	By 5/9/2014	Helen is to send Brian and Melissa the contact information for the newspaper (for the public notice). <b>Update 08-2014:</b> Done
A-0514-05	Gerry, Tom, Brian, Mike, Richard	Done	By 5/20/2014	Gerry, Tom, Brian, Mike, and Richard are to review the revised Exit Strategy and provide updates to Libby. <b>Update 08-2014:</b> Done
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A-0514-08	Jeff	Done	Before the next meeting	Jeff is to determine if the background and non-NOSC associated aspects regarding the metals can be accepted for NFA at the NOSC site. <b>Update 08-2014:</b> There was a meeting held in May, and a comment letter on the SAR was prepared to address the issue.

**Action Item:** Helen is to send the revised Exit Strategy to Libby.

**Consensus Item:** The Team reached consensus to approve the May 2014 meeting minutes as final.

### **3. Training**

Tim provided training on the Conflict Dynamics Profile. The training consisted of a presentation and Team discussion.

### **4. Monitoring Well Inventory**

The monitoring well inventory has been done. Decisions will need to be made to determine which wells to abandon. A contract is in place to remove the wells.

Mike stated there are a lot of new chemicals (emerging contaminants) out there that may be regulated, and at low limits. Mike asked if wells at the old fire training areas should be closed or not. Helen stated if they are requested to sample for emerging contaminants (via a regulator), they will. Tom stated that SWMU 9 is already closed. Generally, the FDEP does not open sites if standards are lowered. Helen added that Texas is the only state currently requesting sampling of emerging contaminants.

There is guidance in the monitoring well inventory as to how to select wells for abandonment. Brian suggested reviewing Site Rehabilitation Completion Orders (SRCOs) to ensure the wells are removed (unless it is a conditional SRCO, like G300). Mike and Tom agreed this should wait until the Site Status (LUC Matrix) table is finished. Tom also suggested going back through site-specific documents and reviewing the history, which can be started in parallel with the LUC Matrix. Gerry asked if the Site Screening table could be used first so that every site document does not have to be reviewed. Tom said he can identify some sites that can be reviewed before the table is finished.

Site 278 is finished and can have the wells abandoned.

**Action Item:** Tom is to identify known sites and documents to be reviewed to determine which wells can be abandoned (short list) and send the information to Brian.

### **5. Building 98 Update**

The UFP-SAP was reviewed by the Navy chemist and will need to be revised. The chemist has determined that since there is no leachability in the soil, a groundwater monitoring well is not warranted. The Navy is working to resolve the issue.

### **6. Building 325 Update**

Jeff drafted the Building 325 Conditional SRCO in June 2014, and Dave Grabka is currently reviewing the SRCO. There are no problems anticipated with the approval of the SRCO; however, other documents have higher priority, so there is not a timeline for the approval of the SRCO.

Brian added that Team members should be aware there is a performance that needs to be completed, and funding issues could arise; there is a limit on funding and time.

Jeff said he will check with Dave to see if the review has been completed. Helen offered to speak with Kim and request to have the document fast-tracked.

### **7. AOC 2/South Dock Update**

Gerry provided figures for AOC 2 showing surface soil, subsurface soil, and groundwater analytical results and a figure showing the South Dock recommended LUC boundary. The AOC 2 figures were updated with all of the historic analytical results. A Technical Memorandum was written using the most recent analytical data and addressed soils at AOC 2 and groundwater at South Dock. The Technical Memorandum recommended additional soil step out samples to determine PAH and TRPH contamination. However, there currently is no funding for the recommendation.

The second recommendation in the Technical Memorandum was for the South Dock and recommended a LUC boundary be implemented to encompass the dock area south of the temporary monitoring wells. The LUC will serve to maintain the dock structure to prevent exposure to free product that is located beneath the relieving platform and prevent groundwater use.

Regarding sediment, the Navy needs to determine there is no other source of the contamination and is concerned that contaminant found in the sediment would not be their contamination or at least, site related contamination. Brian also questioned if free product was delineated and removed to the maximum extent possible. There is a second platform over the dock, and there is no way to measure free product.

Gerry said the Navy's preference is to put the LUC in place. The sea wall would be considered an engineering control. Per David Grabka (via Gerry), the sea wall cannot function as an engineering control because they have not been tested to determine groundwater is not flowing through. The wall is definitely retarding the flow, plus there is a cap in place.

Mike said the old wall would let the product out (had rusted holes), and they are not 100 percent sure the new wall is holding the product back. There has not been any evidence of product leaking though the wall, but sheen has been seen around of the corner of the wall (drifting with the current). Mike asked if leaching TRPH would be causing the sheen. Boats dock at the area, but it cannot be determined if boats are causing the sheet or not.

Gerry stated the FDEP would not allow a LUC without further monitoring. Tom tentatively suggested that one way to determine whether sediment contamination is related to site operations would be to grid off the area and take enough samples from the sediment to determine contamination patterns, which may determine from where the contamination is coming. Brian said he would have to review the Navy policy to see if they would even pay for something like that. Discussion ensued regarding the construction of the sea wall and dock.

Jeff said for guidance purposes there are Sediment Quality Assessment Guidelines (SQAGs) from the 1990s and if it can be shown sediment levels are within those guidelines, the FDEP would agree with the sediment recommendations; however, the entire sediment issue is very complicated. Mike added the bayou gets dredged approximately every 10 years, and there is data from the dredging. Periodic removal of sediment (dredging about every 10 years) was cited as a confounding factor to sampling and determining the source of contamination.

**Action Item:** Gerry is to update and submit the draft-final Technical Memorandum in order to get formal comments from the FDEP as to why they will not accept the additional assessment for soils at AOC 2.

John said the groundwater at AOC 2 was closed after several rounds of clean sampling and comprehensive sampling was conducted. A Site Rehabilitation Completion Request (SRCR) (or an equivalent document) was written and approved.

**Action Item:** John is to find the document (possible SRCR) stating AOC 2 groundwater was closed and send to Tom.

Tom asked if AOC 2 is a petroleum site or an IR site. Most Team members agreed it is a petroleum site. Brian said if it is petroleum, it falls under Chapter 62-780, F.A.C., umbrella. If it is RCRA, it would require a Statement of Basis as the decision document. Petroleum sites go through the SRCO process. Per Jeff, since the big issues are petroleum related, it should be treated as a petroleum site. Gerry said historically a letter would be send from the Navy to the FDEP to ask if the site can be cleaned up under petroleum in lieu of RCRA, and the FDEP would provide a letter either agreeing or not. Discussion ensued regarding LUCs and petroleum sites.

**Action Item:** Helen is to obtain clarity from Tier II on the Chapter 62-780, F.A.C., umbrella regarding petroleum sites and Chapter 62-770.

## **8. LUC Boundaries for All Sites**

Tom provided a figure showing the proposed LUC boundary for G300 and showed Team members the Site Status matrix.

Most of the LUC boundary for G300 is the footprint of the Deep Ocean Engineering Pressure Building for both soil and groundwater. The revised LUC boundary would decrease the existing boundary by approximately 1/3. Tom asked Team members to review the proposed LUC boundary to see if there are any discrepancies. The question remains as to how to change the LUC boundary for G300 since it already has an SRCO.

The Site Status matrix shows the site, original COCs, LTM and LUC changes, current COCs, LUC status, remedy (original and current), LUC summary (detail of LUCs), monitoring, additional reference, and FDEP approval date. Tom asked if the LUC summary would be acceptable or if the exact wording from the governing document was required. Brian stated that using a summary is acceptable as long as it includes the details of the LUCs and/or a reference to the document containing the LUC requirements. Tom has limited information on Building 362 and the NOSC. When the Site Status matrix is complete, it will be merged with the LUC matrix. NFA sites were not included on the Site Status matrix but they are available on a separate spreadsheet.

Discussion transitioned to the public web site and site boundaries. Tom captured information for all of the sites from the permit, if available; however, many of them were written off (RFA or RFI) in 1987 to 1988 and are not active sites (NFA sites) that are being investigated. Now would be the time to remove them before the web site contact goes to the Public Affairs Officer (PAO). Team members agreed the NFA sites should be included on the public web site, as they are now.

Tom added there are two sites (one being Site 323) where he could not find any information. Brian said it was possible that Site 323 was a compliance site and was not in the ER,N program. Mike said he believed Site 323 was an oil/water separator that had been replaced a long time ago.

## **9. Petroleum SMP**

Brian submitted the petroleum SMP for NSA Panama City internally for Navy review. If there is an error, the petroleum SMP can be changed.

## **10. Public Website/NIRIS Training**

Mike Kuhn, Tetra Tech, joined the meeting via telephone and showed Team members the public website being developed for NSA Panama City. NAVFAC is trying to build consistency among the different public web pages for each installation. The home page for NSA Panama City will contain background information along with general installation information. Other web pages include site descriptions, community outreach, the Administrative Record, and links to other websites. All of the website content will be reviewed and approved by the PAO. Once the public website is live and available to the public, Administrative Records will be available online in lieu of hardcopies at the installation or at a library. The EPA has agreed to the process.

Mike also showed Team members the features of the NIRIS website. Per Bob Fisher (provided through other communication), PKI Certificates will no longer be required for NIRIS access; there will be a Quick Access Guide developed and distributed that will describe the new process for NIRIS access.

## 11. NOSC Work Plan Update

The Work Plan is on hold until October 2014. High levels of manganese were detected in MW01. The State wants more evidence showing manganese is background. John stated that thick layers of clay were encountered when drilling to groundwater. The groundwater is under pressure at the NOSC.

Additional wells will be installed to look for background levels. John proposed installation one upgradient well and two downgradient wells (one near the parking lot area). The proposed upgradient well would need permission from the city to install it in the right-of-way. Jeff stated he did not feel the upgradient well was required, but Brian added that it would provide another line of evidence.

Groundwater flow is estimated to be to the west-southwest. Gerry stated because of the clay layer, groundwater flow may not be topography related and suggested view the regional groundwater flow maps.

## 12. Tier II Update

The last Florida Navy Tier II meeting was held in Atlanta, Georgia on June 10-11, 2014. Major discussion items included reorganization and funding updates, Tier I Team reports and Exit Strategy reviews, NAS Pensacola and Corry/Saufley Field Tier I Team presentations, Tier I Team feedback, expiring FY09 funding, recognition for Arne Olsen's work on the Exit Strategies, review FY2014 Tier II goals, team life cycles, FDEP OCULUS demonstration, and Team member transition. David Criswell, BRAC, was transitioned off the Team, and Willie Lin, BRAC, was inducted onto the Team. The next Tier II meeting is a virtual meeting scheduled for September 11, 2014, with the NAS Whiting Field Team presenting. The next Panama City presentation to Tier II will be in June 2015.

Specific items noted for NSA Panama City included the following:

- Metals at the NOSC Tank site are an issue. The metals should not have been sampled for, and now the Team is working on a process to eliminate the metals. Separate calls are being scheduled to discuss the NOSC site.
- Team members discussed the Site 98 UFP-SAP for additional delineation and the 7-month lead time for the document.
- The site name needs to be included on every line on the Exit Strategy, and the Task Lead column needs to be populated.

**Action Item:** Libby is to revise the Exit Strategy to have the site name included on every line and populate the Task Lead column.

## 13. Meeting Closeout

### Action and Consensus Item Review

Action and consensus items were reviewed and provided on the following page(s).

### Meeting

The next meeting is a virtual meeting scheduled for Thursday, November 13, 2014, beginning at 9:00 a.m. EST and ending at noon EST. Gerry Walker will be the Team Leader, and Brian Syme will be the time keeper.

DRAFT MEETING AGENDA			
Description	Presenter	Time	Category/Expectation
Check-In/Introductions/New Members/Opening Remarks/Head Count and Proxies/Guests	Leader	15 min	Decision
Action Items and Parking Lot Review/Minutes Approval/Agenda Changes/Team Charter Review/Ground Rules Review	Leader	15 min	Information
Training	Pat	30 min	Training
Monitoring Well Abandonment	Tom	30 min	Decision
Site 98 Update	Tom	15 min	Information
Site 325 Update	Tom	15 min	Information
AOC 2 Update	Gerry	15 min	Information
South Dock Update	Gerry	15 min	Information
Tier II Update	Helen	30 min	Information
LUC Tracker	Tom	15 min	Discussion
NOSC Update	John S.	15 min	Information
Exit Strategy	Libby	15 min	Information
Meeting Closeout; Action Item Review; Next Agenda; +/-	Team	30 min	Planning
CAMP/Exit Strategy/Milestone Schedule (to be discussed with site update)			

Tentative Meeting Dates/Location

Thursday, February 19, 2015 St. Andrew Park, Panama City Beach

Plus	Delta
Tim Flood filling in for Pat	Pat not here, but congrats on new grandbaby
Face to face meeting	Started late
Good discussions	Rushed lunch break
Good NIRIS training from Mike Kuhn	

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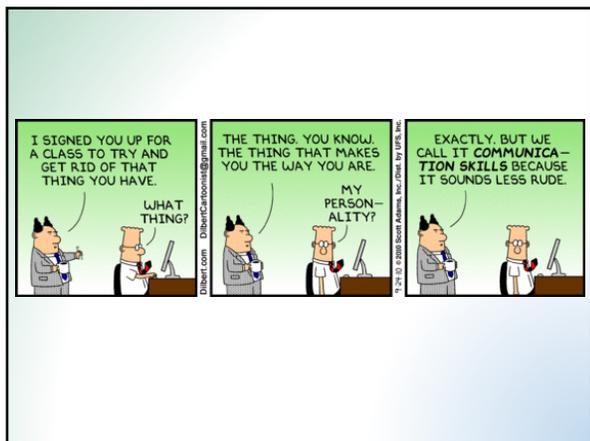
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2012-2013 CONSENSUS ITEMS	
Consensus Item #	Consensus Item
C-0412-01	The Team reached consensus to approve the December 2011 meeting minutes as final.
C-0612-01	The Team reached consensus to approve the April 2012 meeting minutes as final.
C-0612-02	The Team reached consensus to adopt the modified Tier II Roles and Responsibilities as amended by the Team.
C-0113-01	The Team reached consensus to approve the June and September 2012 meeting minutes (with minor changes) as final.
C-0413-01	The Team reached consensus to approve the January 2013 meeting minutes as final.
C-0813-01	The Team reached consensus to approve the April 2013 meeting minutes as final.
C-1013-01	The Team reached consensus to approve the August 2013 meeting minutes as final.
C-0214-01	The Team reached consensus to approve the October 2013 meeting minutes as final.
C-0214-02	The Team reached consensus that at Building 98 four soil samples will be taken; one permanent, small diameter well will be installed in the source area; and one groundwater sample will be taken by Tetra Tech from that well. Downgradient groundwater samples will not be taken at this time.
C-0514-01	The Team reached consensus to approve the February 2014 meeting minutes as final.
C-0814-01	The Team reached consensus to approve the May 2014 meeting minutes as final.

PARKING LOT ITEMS	
Date	Parking Lot Item
08-2013-01	Site boundaries need to be established for AOC 2 and discussed with South Dock.
08-2013-02	LUC boundaries for all sites need to be reviewed to ensure they match with NIRIS.
02-2014-01	Brian and Mike are to obtain funding for Site 362 (DLA), Building 89 elevator, and Building 5 auto lift.
02-2014-02	Do we need more face-to-face meetings?



**Any situation in which people have incompatible goals, interests, principles or feelings**

- Conflict Definition Used by CDP



Day 1, 2

What's at stake:

**Creativity, Productivity & Decision Quality**

- When conflict is not addressed effectively people begin to pull back and stop sharing information
- Ideas are not vigorously debated and properly vetted
- Decisions are made on less than adequate information

Day 1, 3

Where it comes from:

**Causes of Conflict**

- **Style**- Personalities, thinking, decision-making
- **Opinion or Fact** - Different views on the subject
- **Values**- Different approaches to a subject or action based on cultural or value differences
- **Needs/Goals**- Both parties need the same thing or both must choose one option

Day 1, 4

What's needed:

**To manage conflict effectively**

- Understanding basic dynamics of conflict
- Self-awareness about responses to conflict
- Emotional self-control
- Increased use of constructive responses & reduced used of destructive responses
- Championing organizational conflict competence

Day 1, 5

To better understand CDP:

**5 Beliefs the authors have about this tool**

1. The CDP is based on a **behavioral** orientation
2. People **can change** the way they respond to conflict
3. Conflict can best be thought of as a **process** that is unfolding
4. The **earliest responses** to conflict have the **largest effect** on how conflict unfolds
5. The more people know, the better equipped they will be to change

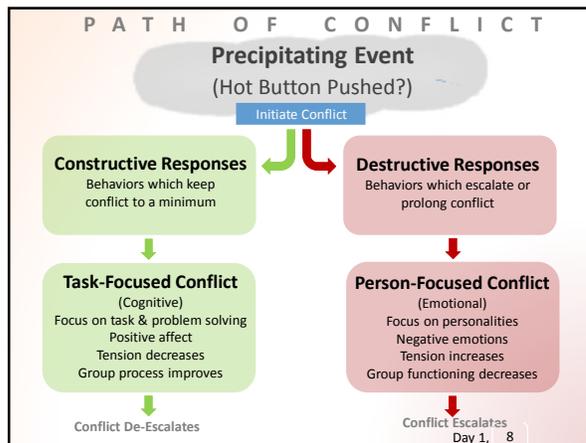
Day 1, 6

To better understand CDP:

### The CDP Approach

- To focus explicitly on specific behavioral responses to conflict and how they might be changed
- To examine the way conflicts unfold over time
- To start with the assumption that conflict is inevitable; it cannot, nor should it, be completely avoided
- The goal of successful conflict management is not its elimination, but to reduce its harmful effects and maximize its useful ones

Day 1, 7



Typical Outcomes

### Constructive Responses

- ✓ Win-win solutions
- ✓ Open & honest communication of feelings
- ✓ Both parties' needs are met
- ✓ Non-judgmental actions
- ✓ Not sticking adamantly to one position
- ✓ Actively resolving conflict (not allowing conflict to continue)
- ✓ Thoughtful responses (not impulsive)
- ✓ Team performance improves

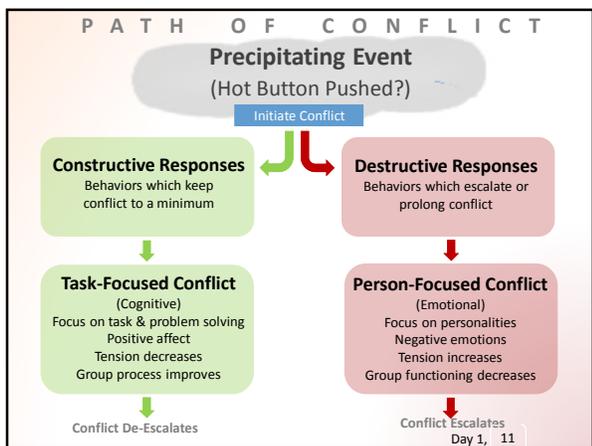
Day 1, 9

Typical Outcomes

### Destructive Responses

- ✓ Feelings of anger and frustration
- ✓ Judgmental actions
- ✓ Getting even and keeping score
- ✓ Other party does not have needs met
- ✓ Closed channels of communication
- ✓ Refusing to deal with issues
- ✓ Decreased self-confidence
- ✓ Tasks not completed
- ✓ Team performance decreases

Day 1, 10



Presentation

### CDP behavioral categories

- Hot Buttons
- Constructive Responses
  - Active and Passive
- Destructive Responses
  - Active and Passive

Day 1, 12

Hot Buttons:

**Behaviors of others which may irritating enough to you... that you escalate conflict by prompting destructive responses**

Day 1, 13

**Guess your Hottest Hot Buttons**

Select the two things you perceive in others that trigger you the most:

- Unreliable
- Unappreciative
- Micro-managing
- Abrasive
- Hostile
- Overly analytical
- Aloof
- Self-centered
- Untrustworthy

Day 1, 14

**Conflict Response Categories**

	Constructive	Destructive
Active	Perspective Taking Creating Solutions Expressing Emotions Reaching Out	Winning at All Costs Displaying Anger Demeaning Others
Passive	Reflective Thinking Delay Responding Adapting	Avoiding Yielding Hiding Emotions Self-Criticizing

Day 1, 15

**Active Constructive Responses**

Perspective Taking (PT)

- Imagine what the other person is thinking and feeling
- Tries to understand how things look from that person's point of view

Creating Solutions (CS)

- Attempts to generate creative solutions
- Brainstorms with the other person to create new ideas

Day 1, 16

**Active Constructive Responses**

Expressing Emotions (EE)

- Talks honestly and directly to the person
- Directly communicates his/her feelings at the time

Reaching Out (RO)

- Tries to repair the emotional damage caused by the conflict
- Makes the first move to get the communication started

Day 1, 17

**Passive Constructive Responses**

Reflective Thinking (RT)

- Analyzes the situation to determine the best course of action
- Reflects on the best way to proceed

Delay Responding (DR)

- Delays responding until the situation has settled down
- Lets things calm down before proceeding

Day 1, 18

### Passive **Constructive** Responses

**Adapting (AD)**

- Tries to stay flexible and optimistic
- Tries to just make the best of the situation

Day 1, 19

Guess your two most frequently used **Constructive Responses** to conflict

Active

Constructive

- Perspective Taking
- Creating Solutions
- Expressing Emotions
- Reaching Out

Passive

- Reflective Thinking
- Delay Responding
- Adapting

Day 1, 20

### Active **Destructive** Responses

**Winning at all costs (WI)**

- Argues vigorously for his/her own position
- Tries to win at all costs

**Displaying Anger (DA)**

- Raises his/her own voice
- Uses harsh angry words

Day 1, 21

### Active **Destructive** Responses

**Demeaning Others (DO)**

- Indicating personal contempt or disrespect
- Using sarcasm or non-verbal critique

Day 1, 22

### Passive **Destructive** Responses

**Avoiding (AV)**

- Acts distant and aloof towards that person
- Keeps as much physical distance as possible

**Yielding (YL)**

- Lets the other person have his/her way in order to avoid further conflict
- Gives in to the other person just to make life easier all the way around

Day 1, 23

### Passive **Destructive** Responses

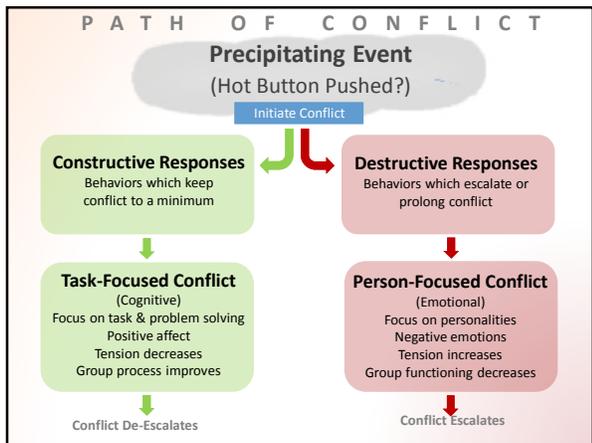
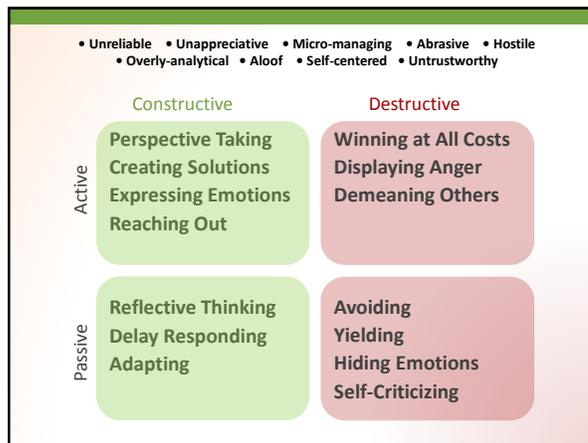
**Hiding Emotions (HE)**

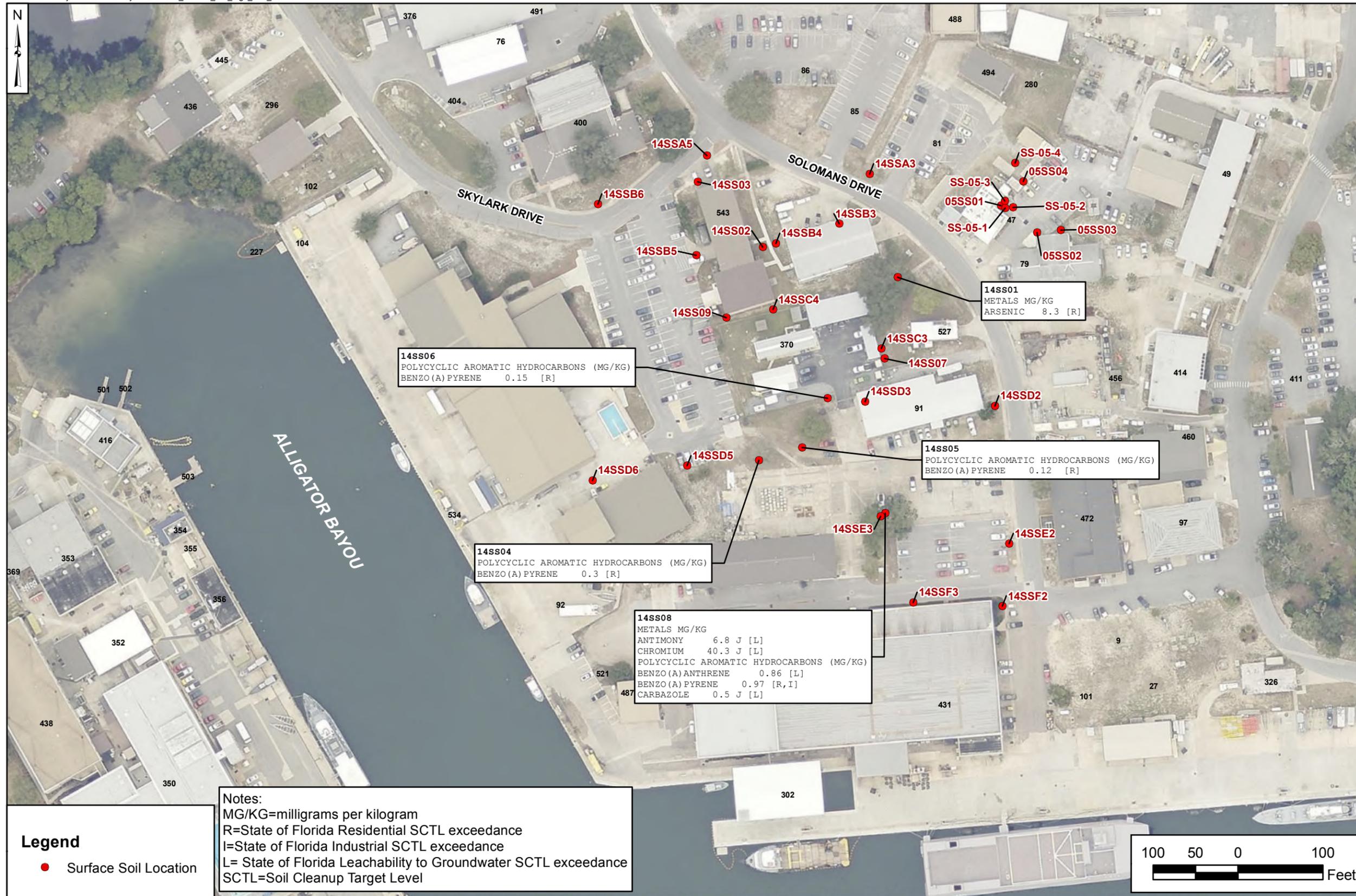
- Hides his/her true feelings
- Feels upset but doesn't show it

**Self-Criticizing (SC)**

- Is critical of himself/herself for not handling the conflict better
- Replays the incident over and over in his/her mind

Day 1, 24





**Legend**  
 ● Surface Soil Location

**Notes:**  
 MG/KG=milligrams per kilogram  
 R=State of Florida Residential SCTL exceedance  
 I=State of Florida Industrial SCTL exceedance  
 L= State of Florida Leachability to Groundwater SCTL exceedance  
 SCTL=Soil Cleanup Target Level

**14SS06**  
 POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)  
 BENZO (A) PYRENE 0.15 [R]

**14SS04**  
 POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)  
 BENZO (A) PYRENE 0.3 [R]

**14SS08**  
 METALS MG/KG  
 ANTIMONY 6.8 J [L]  
 CHROMIUM 40.3 J [L]  
 POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)  
 BENZO (A) ANTHRENE 0.86 [L]  
 BENZO (A) PYRENE 0.97 [R, I]  
 CARBAZOLE 0.5 J [L]

**14SS05**  
 POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)  
 BENZO (A) PYRENE 0.12 [R]

**14SS01**  
 METALS MG/KG  
 ARSENIC 8.3 [R]

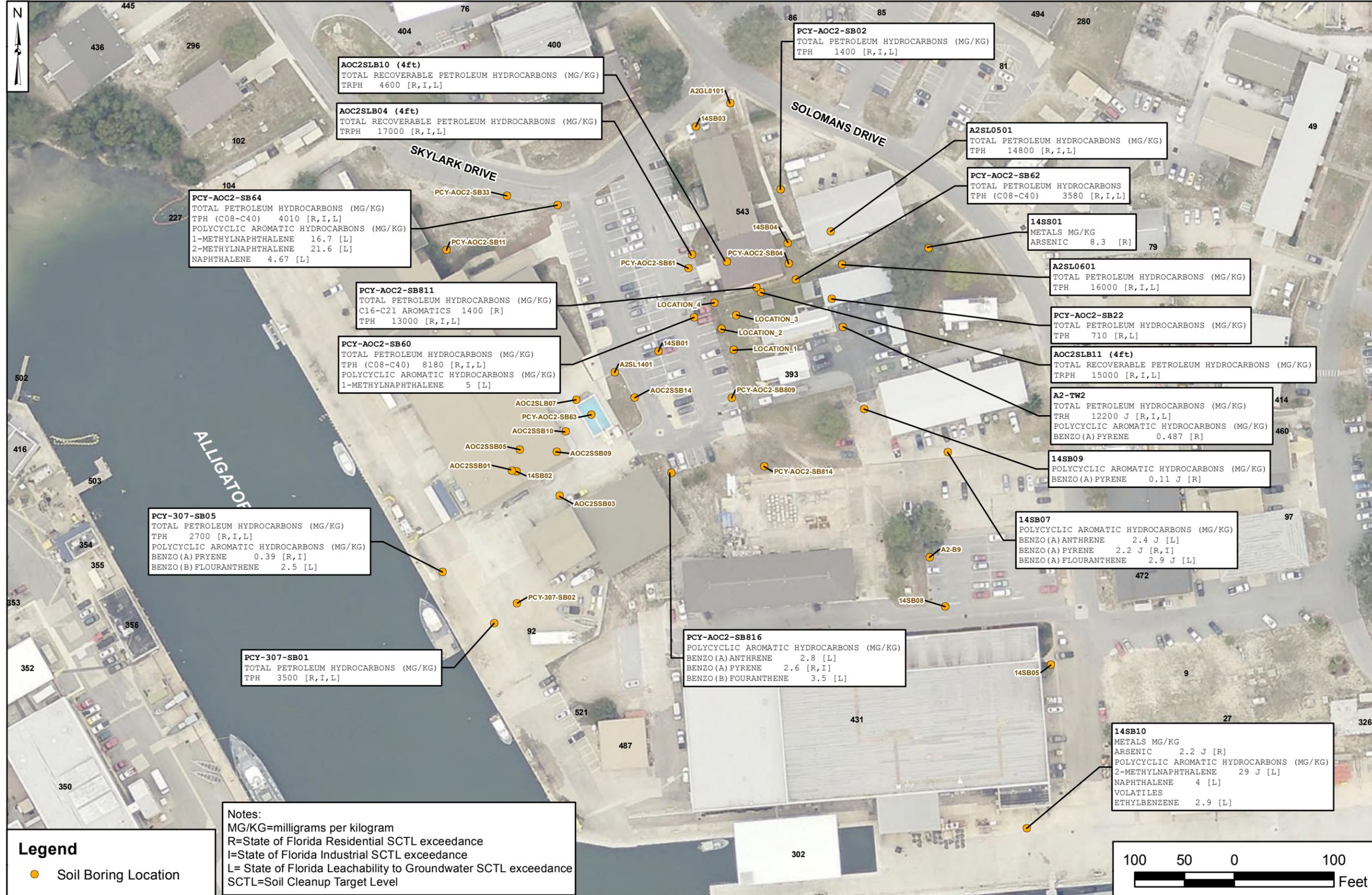
CONTRACT NUMBER	JM73
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	FIGURE 0
REV	0

SURFACE SOIL TAGS FOR SITE AOC 2  
 NSA PANAMA CITY  
 PANAMA CITY BEACH, FLORIDA



DRAWN BY	DATE
J.MADDEN	08/13/14
CHECKED BY	DATE
G.WALKER	08/13/14
COST/SCHEDULE-AREA	
SCALE	AS NOTED





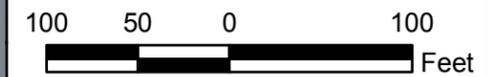
CONTRACT NUMBER JM73		APPROVED BY		DATE	
APPROVED BY		APPROVED BY		DATE	
APPROVED BY		APPROVED BY		DATE	
FIGURE NO.		FIGURE NO.		REV	
0		0		0	
SUBSURFACE SOIL EXCEEDANCES NSA PANAMA CITY PANAMA CITY BEACH, FLORIDA					
		DATE 08/13/14		DATE 08/13/14	
DRAWN BY J.MADDEN		CHECKED BY G.WALKER		COST/SCHEDULE-AREA	
SCALE AS NOTED					



**Legend**

Monitoring Well Location

**Notes (Monitoring Wells):**  
Reported concentrations exceed Federal Maximum Contaminant Levels (MCLs) and Florida MCLs or Groundwater Cleanup Target Levels  
UG/L=micrograms per liter



CONTRACT NUMBER JM73		DATE		DATE		DATE		REV 0	
APPROVED BY		APPROVED BY		APPROVED BY		APPROVED BY		FIGURE NO. FIGURE 0	
GROUNDWATER TAGS FOR SITE AOC 2 NSA PANAMA CITY PANAMA CITY BEACH, FLORIDA									
					DRAWN BY J.MADDEN				
DATE 08/13/14					DATE 08/13/14				
CHECKED BY G.WALKER					COST/SCHEDULE-AREA				
SCALE AS NOTED									

Aerial photograph from ESRI Bing Maps map service  
 (© 2010 Microsoft Corporation and its data suppliers).



Legend	
<span style="color: yellow;">●</span>	Temporary Monitoring Well Location
<span style="color: yellow;">---</span>	LUC Boundary Extent

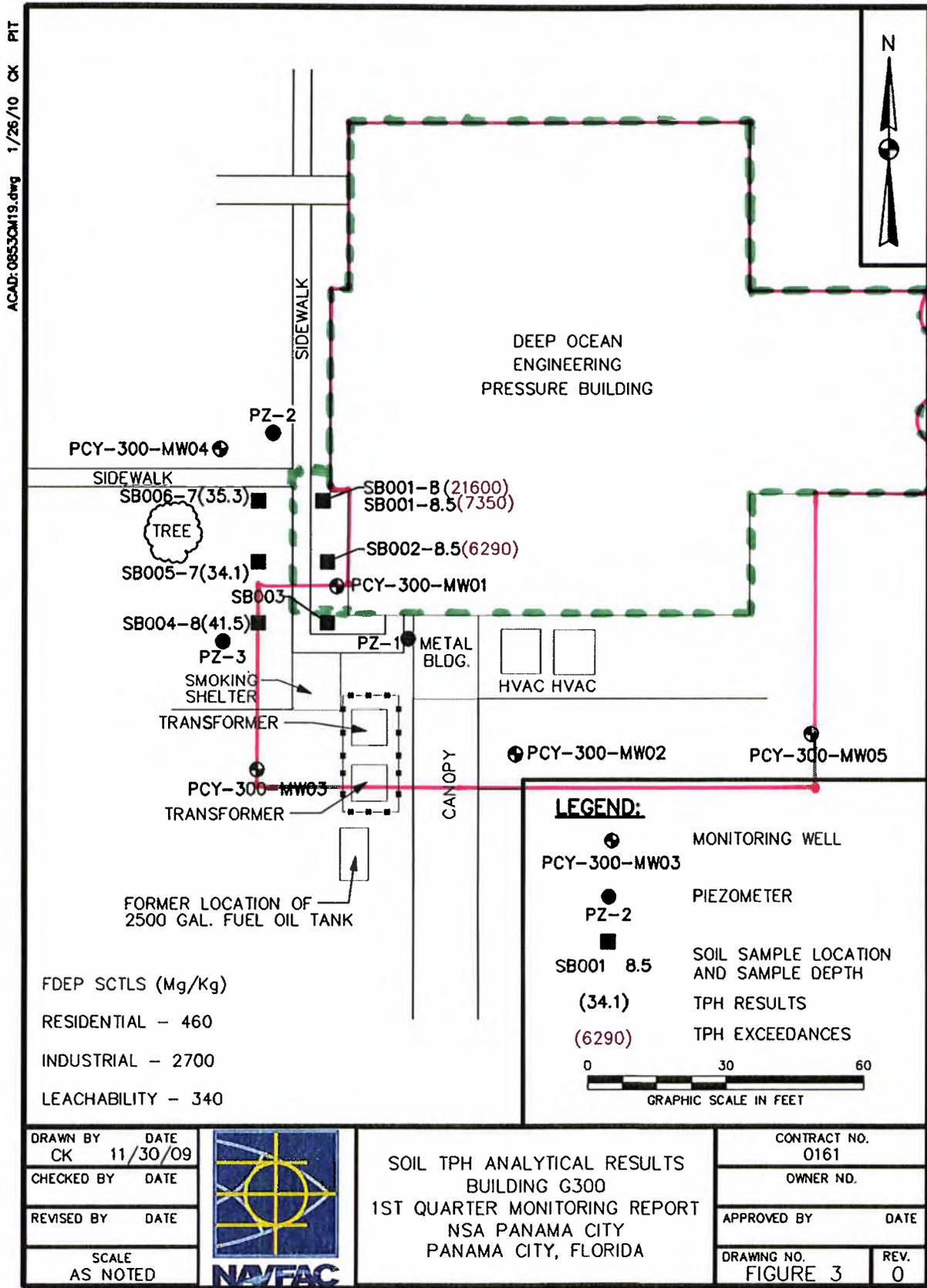
DRAWN BY	DATE
S. PAXTON	01/07/13
CHECKED BY	DATE
L. SMITH	01/07/13
REVISED BY	DATE
J.MADDEN	05/12/13
SCALE AS NOTED	



LAND USE CONTROL BOUNDARY  
 \_\_\_\_\_  
 NSA PANAMA CITY  
 PANAMA CITY BEACH ,FLORIDA

CONTRACT NUMBER	CTO NUMBER
_____	JM73
APPROVED BY	DATE
_____	_____
APPROVED BY	DATE
_____	_____
FIGURE NO.	REV
5	0

--- Proposed Soil LUC Boundary  $\geq 6$ ft b/s + deeper  
--- Proposed GW LUC Boundary





**DEPARTMENT OF THE NAVY**  
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST  
JACKSONVILLE, FL 32212-0030

5090  
Ser OPZE3/336  
August 5, 2014

Florida Department of Environmental Protection  
Attn: Ms. Kim Walker  
Division of Waste Management  
Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Dear Ms. Walker:

SUBJECT: SUBMITTAL OF THE DRAFT ANNUAL AMENDMENT TO THE FLORIDA  
PETROLEUM SITE MANAGEMENT PLAN

In accordance with the Florida Petroleum Contamination Agreement dated October 23, 1990, NAVFAC Southeast is pleased to submit the Draft Annual Amendment to the Florida Petroleum Site Management Plan (enclosed) for review by Florida Department of Environmental Protection (FDEP). This document includes proposed schedule deadlines and work priorities for Navy submittal of each draft petroleum-related document planned for federal Fiscal Year 2015.

Should you require further details or clarification, please do not hesitate to contact Sarah Reed at (904) 542-6290 or email: sarah.reed@navy.mil. We look forward to your review and comment on this document.

Sincerely,

A handwritten signature in cursive script, reading "Calli Destafney", is written over the typed name.

C. R. DESTAFNEY, PE  
Environmental Business Line  
Coordinator  
By direction of the  
Commanding Officer

Enclosure: Draft Annual Amendment to the Florida Petroleum Site  
Management Plan

Copy to:  
Mr. Robbie Darby, NAVFAC SE (EV3)  
Mr. Mike Davenport, NAVFAC SE (EV13)  
Mr. Steve Beverly, NAVFAC SE (Legal)

**FLORIDA PETROLEUM CONTAMINATION AGREEMENT**

**Draft Final Annual Site  
Management Plan Amendment  
Fiscal Year 2015**

**August 2014**

**Prepared By**



NAVFAC Southeast  
PO Box 30A  
Jacksonville, FL 32212-0030

**FLORIDA PETROLEUM CONTAMINATION AGREEMENT**  
**Draft Annual Site Management Plan Amendment**  
**Fiscal Year 2015**

Acronym	Definition
---------	------------

**Draft Final Annual Site Management Plan Amendment**

<b>AOC</b>	Area of Concern
<b>AVGAS</b>	Aviation Gasoline
<b>BRAC</b>	Base Realignment and Closure
<b>DOD</b>	Department of Defense
<b>ER,N</b>	Environmental Restoration, Navy
<b>GWMR</b>	Ground Water Monitoring Report
<b>LUC</b>	Land Use Control
<b>LUCIP</b>	Land Use Control Implementation Plan
<b>MNA</b>	Monitored Natural Attenuation
<b>NA</b>	Natural Attenuation
<b>NOSC</b>	Navy Operational Support Center
<b>OMN</b>	Operations and Maintenance, Navy
<b>PARM</b>	Post Active Remediation Monitoring
<b>PCA</b>	Petroleum Contaminated Area
<b>PSC</b>	Potential Source of Contamination
<b>Qtr</b>	Quarter
<b>RAP</b>	Remedial Action Plan
<b>RAPA</b>	Remedial Action Plan Addendum
<b>SA</b>	Study Area
<b>SAR</b>	Site Assessment Report
<b>SRCR</b>	Site Rehabilitation Completion Report
<b>SWMU</b>	Solid Waste Management Unit
<b>TBD</b>	To Be Determined
<b>UST</b>	Underground Storage Tank

**FLORIDA PETROLEUM CONTAMINATION AGREEMENT**  
**Draft Final Annual Site Management Plan Amendment**  
**Fiscal Year 2015**

Installation: Cecil Field  
Preparation Date: 31 July 14  
Prepared By: David Criswell

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
Site 81	Ocala Crash Site		
		GWMR -- Year 10, 1st Semi-Annual	Jan-15
		GWMR -- Year 10, 2nd Semi-Annual	May-15
		Remedial Action Plan	Aug-15
Site 192	Tanks 81 A, B, and C		
		GWMR - Year 5, Annual	Jan-15
Site 194	Hangar 815 Wash Rack		
		GWMR Year 7 Annual	Apr-15
Site 170	Building Tanks 46 Tanks 46R, 46SUL, 46 UL		
		GWMR - Semi-Annual 2014	Dec-14
		GWMR Presentation - Semi-Annual 2014	Jun-15
Site 13	Day Tank 1		
		GWMR - Annual 2015	Jun-15
Site 164	North Fuel Farm		
		GWMR - 2nd Semi-Annual 2014	Dec-14
		GWMR -- 1st Semi-Annual 2015	Jun-15

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Final Annual Site Management Plan Amendment

Fiscal Year 2015

Installation: NAS Jacksonville

Preparation Date: 30 July 14

Prepared By: Adrienne Wilson

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
PSC 7/ PCA 4/UST 4	Gas Hill		
		Draft 2014 Semi Annual Groundwater Monitoring Report	Dec-14
		Final 2014 semi Annual Groundwater Monitoring	Feb-15
		Draft 2014 Annual Groundwater Monitoring Report	Jun-15
		Final 2014 Annual Groundwater Monitoring Report	Aug-15
UST 119/PCA 25	Tanks 120 & 1982		
		Draft Sept Quarterly report	Nov-14
		Final SEP Quarterly rpt	Jan-15
		Draft DEC Quarterly Monitoring Report	Feb-15
		Final Dec Quarterly report	Mar-15
		Draft March Quarterly report	Jun-15
		Final March Quarterly report	Jul-15
		Draft June Annual Monitoring Report	Aug-15
		Final June Annual Monitoring Report	Sep-15
UST 15/PSC 2/PCA15	Former Fire Fighter Training Area		
		Draft Annual Monitoring Report	Dec-14
		Final Annual Monitoring Report	Mar-15
UST 16/PCA 16	103rd Street Hawkins Property		
		Draft January 2015 Status Report	Mar-15
		Final January 2015 Status Report	Apr-15
		Draft July 2015 Status Report	Sep-15

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Final Annual Site Management Plan Amendment

Fiscal Year 2015

Installation: NAS Key West

Preparation Date: 30 July 14

Prepared By: Brian Syme/ David Criswell

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
UST	Boca Chica Truck Fill Stand South DOD_9_1073		
		Draft 1st Quarter Monitoring Report	Apr-15
		Final 1st Quarter Monitoring Report	May-15
		Draft 2nd Quarter Monitoring Report	Aug-15
		Final 2nd Quarter Monitoring Report	Sep-15
UST	Bravo Pier & Runway 7 Valve Pits Well Installations		
		TBD	TBD
Site 28	OMN- Boca Chica Tank Farm DOD_9_1080		
		Draft Site Rehabilitation Completion Report	Nov-14
		Final Site Rehabilitation Completion Report	Jun-15
Site 29	Trumbo Point BOQ DOD_9_1083		
		Draft UFP SAP	Jun-15
		Final UFP SAP	Jul-15
UST 3	ER,N- Trumbo Point Tank Farm -DOD_9_1070		
		Final SAP	Sep-14
		Draft Annual Monitoring Report	Jul-15
		Final Annual Monitoring Report	Sep-15
UST 9	ER,N- Boca Chica Flying Club DOD_9_1087		
		Draft Groundwater Monitoring Report	Mar-15
		Final Groundwater Monitoring Report	May-15
<b>NAS Key West BRAC</b>			
UST 5	BRAC - Truman Annex Tank DOD_9_3113		
		Monitoring Program - Awaiting Funding TBD	TBD

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Annual Site Management Plan Amendment

Fiscal Year 2015

Installation: NS Mayport

Preparation Date: 5 August 2014

Prepared By: Dana Hayworth

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
Site 289	BLDG 298 Housing Fuel Oil Tank Removal		
		Final RAP/LUC	Sep-14
Site 351-2	BLDG 351 Fuel Oil Tank Spill		
		Final Annual Groundwater Monitoring Report	Feb-15
		Draft Final RAP/LUC	Sep-14
		Final RAP/LUC	Sep-15
Site 425	BLDG 425 Fuel Oil Spill		
		Final Annual Groundwater Monitoring Report	Feb-15
Site 1343	BLDG 1343 Fuel Oil Leak		
		Final 1st Semiannual Monitoring Report	Oct-14
		2nd Final Semiannual Monitoring Report	Mar-15
		Draft Final RAP/LUC	Sep-14
Site 1586	BEQ BLDG 1586 Fuel Oil Spill		
		Final First Qtr Groundwater Monitoring Report	Oct-14
		Final Second Quarter Groundwater Monitoring Rept	Dec-14
AOC D	Airfield Dredge Disposal Area		
		Final SAR	Sep-14
UST 5	Alpha Delta Pier		
		Draft UFP-SAP	Sep-14
<b>Navy Fuel Depot ER, N Program</b>			
Site 4	Slurry & Burn Pit		
		Draft Final RAP	Sep-15
		Final RAP	Nov-15
Site 5	Old Oil Pond & Land Disposal Area		
		Draft Final RAP	Sep-15
		Final RAP	Nov-15

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Final Annual Site Management Plan Amendment

Fiscal Year 2015

Installation: NTC Orlando

Preparation Date: 30 July 14

Prepared By: David Criswell

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
36NW	Building 109, Main Base Service Station, SA 38		
		Final Qtr Groundwater Monitoring Report - Jul 2014	Dec-14
		Final Qtr Groundwater Monitoring Report - Oct 2014	Mar-15
		Final Qtr Groundwater Monitoring Report - Dec 2014	Jun-15

**FLORIDA PETROLEUM CONTAMINATION AGREEMENT**  
**Draft Final Annual Site Management Plan Amendment**  
**Fiscal Year 2015**

Installation: NSA Panama City  
 Preparation Date: 30 July 2014  
 Prepared By: Brian Syme

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
<b>UST G300</b>	<b>NAVSEA Navy Experimental Dive Unit</b>		
		Draft Land Use Control Inspection Report	Mar-15
		Final Land Use Control Inspection Report	May-15
<b>AOC -1</b>			
		Draft Land Use Control Inspection Report	Mar-15
		Final Land Use Control Inspection Report	May-15
		Draft Monitoring Report	Jul-15
		Final Monitoring Report	Aug-15
<b>UST 75/AOC-2</b>	<b>AOC - 2 Including South Dock Area</b>		
		Draft Soil Assessment Report-awaiting funding	TBD
		Final Soil Assessment Report-awaiting funding	TBD
<b>UST 3</b>	<b>Building 325</b>		
		Draft Land Use Control Inspection Report	Mar-15
		Final Land Use Control Inspection Report	May-15
<b>Building 98 UST</b>			
		Draft Soil Assessment Report	Jun-15
		Final Soil Assessment Report	Aug-15
<b>UST 362</b>			
		TBD	TBD
<b>NOSC Tallahassee</b>			
		TBD	TBD

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Annual Site Management Plan Amendment

Fiscal Year 2015

Installation: NAS Pensacola

Preparation Date: 30 July 14

Prepared By: Patty Marajh-Whittemore/John Schoolfield/Bill Neimes

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
UST 2	Former Building 2662	Final SRCR received 11/5/12	
UST 18/Site 3	Crash Crew Training Area	Final RAP Addendum	Sep-14
		Draft Monitoring Report	Mar-15
		Final Monitoring Report	Jun-15
UST 20/Site 19	Fuel Farm Pipeline	Biosparge 1st Quarter O&M Report	Dec-14
		Biosparge 2nd Quarter O&M Report	Mar-15
		Biosparge 3rd Quarter O&M Report	Jun-15
		Biosparge 4th Quarter O&M Report	Oct-15
UST 21/Site 20	Berthing Pier	Final Annual Monitoring Report	Nov-14
		Draft RAP Addendum	Mar-15
		Final RAP Addendum	Aug-15
UST 22/Site 21	Sludge Fuel Tank Disposal Area	Construction Completion Report	Oct-14
		Final 1st Qtr Monitoring Report	Nov-14
		Final 2nd Qtr Monitoring Report	Feb-15
		Annual Monitoring Report	May-15
		Final Annual Monitoring Report	Oct-15
UST 24/Site 37	Sherman Field Fuel Farm	Biosparge 1st Quarter O&M Report	Dec-14
		Biosparge 2nd Quarter O&M Report	Mar-15
		Biosparge 3rd Quarter O&M Report	Jun-15
		Biosparge 4th Quarter O&M Report	Oct-15
UST 25	Building 1932	Draft RAPA & NA Monitoring Plan	Sep-14
		Final RAPA & NA Monitoring Plan	Nov-14
		Final 1st Qtr Monitoring Report	Jan-15
		Final 2nd Qtr Monitoring Report	Apr-15
		Final 3rd Qtr Monitoring Report	Aug-15
		Final 4th Qtr Monitoring Report	Nov-15
Site 71	Building 38, Seawall	Final Semi-Annual Monitoring Report - July 2014	Nov-14
		Final Semi-Annual Monitoring Report - January 2015	Jul-15
Site 106	Building 782	Completed August 2013	
Site 107	Tacan Facility Building 1917	Request for SRCO submitted December 2013	
Site 108	Chevalier Field Building 3644	Final December 2013 Semiannual Groundwater Monitoring Report	Nov-14
		Draft May 2014 Semi-annual Groundwater Monitoring Report	Aug-14
		Draft Final May 2014 Semi-annual Groundwater Monitoring Report	Jan-15
		Final May 2014 Semi-annual Groundwater Monitoring Report	Mar-15
NASP OMN	Naval Hospital Building 2270	No additional documents currently funded	
NASP OMN	Sherman Cove Marina Low Point Sump Area		

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Annual Site Management Plan Amendment

Fiscal Year 2015

Installation: NAS Pensacola

Preparation Date: 30 July 14

Prepared By: Patty Marajh-Whittemore/John Schoolfield/Bill Neimes

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
		No additional documents currently funded	
NASP OMN	Building 1880 Sherman Field Truck Stand		
		No documents currently funded -DLA	
<b>Corry Station</b>			
Site 2	Suspected Former Landfill Area		
		FDEP letter - No Further Assessment or Remediation 2/1/13	
Site 3	Aircraft Refueling System (pipeline)		
		Final SAR	Nov-14
		Draft RAP	Mar-15
		Final RAP	Jun-15
Site 4	Free Product Area		
		Final Remedial Investigation Report	Dec-14
		Draft RAP	Mar-15
		Final RAP	May-15
<b>OLF Bronson</b>			
UST 15	OLF Bronson Site 1107		
		Final Data Report and request for SRCO submitted 7/23/14	
UST 15	OLF Bronson Site 1116		
		Draft Data Report for Free Product Assessment	Dec-14
		Final Data Report for Free Product Assessment	Apr-15
UST 15	OLF Bronson Site 1120		
		FDEP issued SRCO 6/9/14	
UST 15	OLF Bronson Site 1159		
		Final 3rd Qtr 2014 Monitoring Report	Dec-14
		Final 4th Qtr 2014 Monitoring Report	Mar-15
		Final 1st Qtr 2015 Monitoring Report	Jun-15
		Final 2nd Qtr 2015 Monitoring Report	Sep-15
Site 103	Bronson Field Flight Line		
		Final SAR	Dec-14
		Draft RAP	Mar-15
		Final RAP	Jul-15
Site 104	Bronson Field Hangars		
		Final SAR	Dec-14
			Mar-15
		Draft RAP	Jul-15
Site 105	Bronson Field Parts Yard		
		Final SAR	Dec-14
			Mar-15
		Draft RAP	Jul-15

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Final Annual Site Management Plan Amendment

**Fiscal Year 2015**

Installation: NS Saufley Field

Preparation Date: 31 July 14

Prepared By: John Schoolfield

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
Site 1	Burried Metallic Disposal Area		
		Final SAR	Jun-14
Site 2	Fire Fighting Training Area		
		FDEP Approved No Furter Investigation - 10/3/12	
Site 4	Hangars		
		Final SAR Submitted 2/6/12	
		Final LUCIP	Jan-15
Site 5	HangarsFormer AVGAS System		
		Final SAR	Dec-14
UST 2406	Building 2406		
		Work Plan	Sep-14
		Construction Completion Report for Field Activities	Oct-15
		Tier II UFP SAP	Mar-16
		Interim Measure Work Plan	Jul-16

# FLORIDA PETROLEUM CONTAMINATION AGREEMENT

## Draft Final Annual Site Management Plan Amendment

Fiscal Year 2015

Installation: NAS Whiting Field

Preparation Date: 31 July 2014

Prepared By: Arne Olsen

Site ID - SWMU, UST, AOC, PSC	Site Name	Deliverable / Submittal	Planned Submittal Date
Site 4	North AVGAS Tank Sludge Disposal		
		Pilot Scal Report/Remedial Action Work Plan Upper Pe	Mar-15
		Pilot Scale Report/Remedial Action Plan Supplement U	Nov-14
		Site Assessment Report Supplement Tarmac Area Pipe	Mar-15
Site 7	South AVGAS Tank Sludge Disposal		
		Remedial Action Plan	Mar-15
		Remedial System Operation Quarterly Report	Oct-14
		Remedial System Operation Quarterly Report	Dec-14
		Remedial System Operation Quarterly Report	Mar-15
		Remedial System Operation Quarterly Report	Jun-15
Site 1438/1439	Leaking Above Ground AVGAS Tanks		
Site 2894	Pipe leak		
		Site Rehabilitation Completion Report	Mar-15
Site 2832	AVGAS Pipeline Section E		
		Site Rehabilitation Completion Report	Nov-14