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FINAL FEDERAL FACILITIES AGREEMENT SITE MANAGEMENT PLAN AMENDMENT  
CALENDAR YEAR 2014 ANNUAL UPDATE NAS JACKSONVILLE FL  
09/23/2013  
NAVFAC SOUTHERN

**FINAL**  
23-Sep-13  
**JACKSONVILLE NAVAL AIR STATION  
FEDERAL FACILITIES AGREEMENT  
SITE MANAGEMENT PLAN  
AMENDMENT  
CALENDAR YEAR 2014**

**Revised ANNUAL UPDATE**

23-Sep-13

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## ACRONYMS

ARAR	Applicable or Relevant and Appropriate Requirements
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COPC	Chemical of Potential Concern
DVECC	Disease Vector Ecology Control Center
ESI	Extended Site Inspection
ESS	Explosive Safety Submission
FDEP	Florida Department of Environmental Protection
FFA	Federal Facilities Agreement
FS	Feasibility Study
GCTL	Groundwater Cleanup Target Level
HSWA	Hazardous and Sold Waste Amendments
IAS	Initial Assessment Study

IRA	Interim Remedial Action
IWTP	Industrial Wastewater Treatment Plant
LUC	Land Use Control
LUC RD	Land Use Control Remedial Design
NA	No Action
NAS	Naval Air Station
NFA	No Further Action
NOSSA	Naval Ordnance Safety and Security Activity
OU	Operable Unit
PP	Proposed Plan
PA	Preliminary Assessment
PCA	Potential Contamination Area
PSC	Potential Source of Contamination
RAB	Restoration Advisory Board
RAO	Remedial Action Objective
RCRA	Resource Conservation and Recovery Act
RRDS	Remedial Response Decision System
RI	Remedial Investigation
ROD	Record of Decision

### **ACRONYMS CONTINUED**

SI	Site Inspection
SMP	Site Management Plan
UFPSAP	Unified Federal Policy for Sampling and Analysis Plan
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VI	Vapor Intrusion
VOC	Volatile Organic Compound
WWTP	Wastewater Treatment Plant

Updated 6/12/2013  
**DRAFT MILESTONES FOR**  
**FEDERAL FACILITIES AGREEMENT**  
**SITE MANAGEMENT PLAN AMENDMENT- CALENDAR YEAR 2014**

Column1	Calendar Yr 1	Calendar Yr 2	Calendar Yr 3
2013	2014	2015	2016

**OU#1: Oil and Solvent Disposal Pits Area**

Primary Documents

5 year Review			3/6/2015
<u>Secondary Deliverables:</u>			
<b>dft Groundwater monitoring reports</b>	12/30/2013	12/30/2014	12/30/2015

**OU#2: Wastewater Treatment Area**

Primary Documents

5 Year Review			3/6/2015
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	Calendar Yr 2	Calendar Yr 2	Calendar Yr 3
2013	2014	2015	2016

**OU#3: Industrial Area & Dry Cleaners**

Primary Deliverables

drft LUCRD

dft RI Addendum 12/30/2013

**dft FS addendum** 12/30/2014

dft Proposed plan addendum 12/30/2015

**5 Year Review** 3/6/2015

Dft ROD Amendment 12/30/2016

Secondary Deliverables :

dft Bi annual Ground water monitoring Reports for Areas B&G 12/30/2013 12/30/2015

**Dft Annual Ground water Monitoring Reports for Area A** 12/30/2013 12/31/2014 12/30/2015

**OU#4: PSC 21, Casa Linda Lake**

Primary Deliverables

drft LUCRD

**5 Year review** 3/6/2015

**OU#5: PSC 51, South Antenna Field Firefighting Training Area**

Primary Deliverables :

**5 Year Review** 3/6/2015

Secondary Deliverables:

**Groundwater monitoring report** 12/30/2013 12/30/2014 12/30/2015

	Calendar Yr 2	Calendar Yr 2	Calendar Yr 3
2013	2014	2015	2016

**OU#6: PSC 52, Hangar 1000**

Primary Deliverables :

**5 Year Review** 3/6/2015

Secondary Deliverables:

**Groundwater monitoring report** 12/30/2013 12/30/2014 12/30/2015

**OU#7: PSC 46, Defense Reutilization & Marketing Office Yard (DRMO)**

ROD Sept 22,2005

Primary Deliverables:

drft LUCRD

drft completion report

**5 Year Review** 3/6/2015

Secondary Deliverables :

**Groundwater monitoring report** 12/30/2013 12/30/2014 12/30/2015

**OU#8: PSC 47, Pesticide Shop & Disease Vector Ecology Control Center (DVECC)**

(ROD signed Sept 2008)

Primary Deliverables :

**5 year review** 3/6/2015

**Completion Report**

Secondary Deliverables:

**Groundwater monitoring report** 12/30/2013 12/30/2014 12/30/2015

	Calendar Yr 2	Calendar Yr 2	Calendar Yr 3
2013	2014	2015	2016

**OU 9 PSC 45 B 200 Wash Rack**

SI completed 2010, RI/EECA LUCRD & ROD have been awarded

Primary Deliverables :

dft RI/Soil EECA	12/30/2013		
dft GW FS		7/30/2014	
dft proposed plan		10/30/2014	
dft ROD			10/30/2015
dft LUC RD			12/30/2015
5 year review			3/6/2015

Secondary Deliverables: none

Range features were demolished in the late 1990s.  
 Active from 1943 to about mid 1950s.

**OU# 10 MUNITION RESPONSE SITES**

**1. UXO 1-PSCs 22 Fort Dix Skeet Range**

Description: Constructed in 1943. About 8 acres. Consisted of 8 skeet ranges. Munitions 12 guage shot guns

COCs: Lead & PAHs

**Primary Deliverables :**

draft RI	6/30/2014		
draft FS	12/30/2014		
5 year review			3/6/2015
Proposed Plan			12/30/2015
ROD			12/31/2016

**Secondary Deliverables: none**

**UXO 2- PSC 23 A .50 Caliber Range**

Description: Constructed in 1941. Approx 2.25 acres. Included a machine gun range, air blast range, .50 caliber range & a synchronized gun range. Active from 1941 to about 1978.

Range features were demolished in the late 1990s. COCs: lead & PAHs

**Primary Deliverables :**

draft RI	6/30/2014		
draft FS	12/31/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016
5 year review		3/6/2015	

**secondary:none**

	Calendar Yr 2	Calendar Yr 2	Calendar Yr 3
	2013	2014	2015

**UXO 3-PSC 23 B Former Skeet Range**

*Description:* Active from 1941 to about 1978. About 9.2 acres. 2 skeet ranges.

Range features were demolished the late 1990s. 12 gauge shot guns. COCs: lead & PAHs

**Primary Deliverables :**

draft RI	6/30/2014		
draft FS	12/31/2014		
Proposed Plan		12/30/2015	
ROD			12/30/2016
5 year review		3/6/2015	

**Secondary Deliverables:**

**UXO 4-PSC 56 Akron Road Pistol Range**

*Description:* Approximately 2.3 acres. Included .30 caliber range, .50 caliber range, air blast range, trap shooting, skeet range & a synchronized gun range. Except pistol range, now a golf course. Munitions were limited to small arms (.22, .38, .45, 9 mm & 12 gauge shot gun).

COCs: lead, antimony, arsenic, copper nickel, zinc, & lead azide/lead styphnate.

*Work to date:* Aug 1994 soil samples from the backstop & berm exceeded the RCRA limit for leachable lead (5mg/L). June 1995 soil was removed to 1 foot depth at 6 locations. Lime applied to lead impacted soil surface to reduce leachability of the heavy metals. 1997 range condition inspection determined overhead baffles were damaged beyond economical repair & was encroaching upon the golf course. Range was closed. Bullet removal & additional lime was applied in 2000. The range was formerly closed 8/19/02.

**Primary Deliverables :**

draft RI	6/30/2014		
draft FS	12/31/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016
5 year review		3/6/2015	

	Calendar Yr 2	Calendar Yr 2	Calendar Yr 3
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2013	2014	2015	2016
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**UXO 5-PSC 57 .30 Caliber Range**

Description: Active from 1941 to about 1978. Approx. 1.3 acres. Used as a machine gun range. Consisted of 8 firing positions & 4 targets, 50 feet down range. Range features demolished late 1990s. Formerly closed 8/19/02. COCs: lead, antimony, arsenic, copper nickel, zinc, & lead azide/lead styphnate.

**Primary Deliverables:**

draft RI	6/30/2014		
draft FS	12/31/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016
5 year review		3/6/2015	

**Secondary Deliverables:**

none

**UXO 6-PSC 58 Trap Ranges**

Description: Approx. 10.5 acres. Active from 1941 to about 1978. Used for small arms training only, limited to 12 gauge shot gun. Munitions constituents may include antimony, arsenic, nickel & lead. Shot gun ammo and clay targets primary constituents include lead and PAHs from pitch tar in clay pigeons.

**Primary Deliverables:**

draft RI	6/30/2104		
draft FS	12/31/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016
5 year review		3/6/2015	

**Secondary Deliverables:**

none

	Calendar Yr 1	Calendar Yr 2	Calendar Yr 3
	2013	2014	2015
			2016

**OU 11 VARIOUS POTENTIAL SOURCES OF CONTAMINATION 5,8,9,29,31,32,50, 55**

**PSC 5 Shore line fill west of fuel farm**

This site has been entered into the station's informal LUC program to allow industrial use.

Further evaluation is necessary if residential use is considered. An **ESI is underway**.

Primary Deliverables :

dft RI	12/30/2013		
<b>Draft FS</b>	12/30/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016

Secondary Deliverables:

None

**PSC 8/55 Vacant lot Fuel farm area/Sludge Disposal Area**

Informal LUCs are in place to allow industrial use. Further evaluation is necessary.

An Extended Site Investigation (**ESI**) is underway.

Primary Deliverables :

dft RI	12/30/2013		
<b>draft FS</b>	12/30/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016

Secondary Deliverables:

None

**PSC 9 Disposal Area east of Fuel Farm.**

Informal LUCs are in place to allow industrial use.

Further evaluation is necessary. An **ESI is underway**.

Primary Deliverables :

dft RI	12/30/2013		
<b>Draft FS</b>	12/30/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016

Secondary Deliverables:

None

	Calendar Yr 1	Calendar Yr 2	Calendar Yr 3
	2013	2014	2015
			2016

**PSC 29 Organic Disposal Area**

Informal LUC prevents residential development. Soil is impacted by PAHs and arsenic. Groundwater is impacted by iron and manganese. **ESI is underway.**

Primary Deliverables :

DRAFT RI	12/30/2013	
<b>Draft FS</b>		12/30/2014
Proposed Plan		12/31/2015
ROD		12/31/2016

Secondary Deliverables:

None

**PSC 31 Asphalt Mix Area**

Informal LUCs are in effect at this site due to beryllium and benzo(a)pyrene in 1 soil sample. Add'l assessment/remediation may allow for site close out. **ESI underway.**

Primary Deliverables :

dft RI	12/30/2013	
<b>Draft FS</b>		12/30/2014
Proposed Plan		12/31/2015
ROD		12/31/2016

Secondary Deliverables:

None

	Calendar Yr 1	Calendar Yr 2	Calendar Yr 3
	2013	2014	2015
			2016

**PSC 32 Base Landfill.**

Informal LUCs are in effect due to benzo(a)pyrene and Aroclor-1260 in surface /subsurface soils. Iron and manganese exceeded secondary standards for groundwater. Industrial use only is permitted at this location. An **ESI is underway**.

Primary Deliverables :

dft RI	12/30/2013		
Draft FS		12/30/2014	
Proposed Plan			12/31/2015
ROD			12/31/2016

Secondary Deliverables:

**None**

**PSC 50 East side Waste water Treatment Plant sludge disposal**

Informal LUCs (industrial use only) are in effect at this site due to Arochlor-1260 detected in subsurface soil samples. An **ESI is underway**.

Primary Deliverables :

dft RI	12/30/2013		
Draft FS		12/30/2014	
Proposed Plan			12/31/2015
ROD			12/31/2016

Secondary Deliverables:

**None**

	Calendar Yr 1	Calendar Yr 2	Calendar Yr 3
	2013	2014	2015
			2016

**OU 12 PSC 38 Torpedo workshop**

Primary Deliverables :

dft RI	5/30/2014		
dft FS	12/30/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016

Secondary Deliverables: none

**POTENTIAL SOURCES OF CONTAMINATION**

**PSC 30 Old Drum Lot**

LUCs were proposed in the June, 1999 RRDS.

**USEPA & FDEP agree with No Action. No ROD required**

Primary Deliverables :

None

Secondary Deliverables:

**None**

**OU 12 PSC 38 Torpedo workshop**

Primary Deliverables :

dft RI	6/30/2013		
dft FS	3/30/2014		
Proposed Plan		12/31/2015	
ROD			12/31/2016

Secondary Deliverables: none

**PSC 44 Drainage Ditch West of JAX**

Land Use Controls are in Place, ROD completed 1998.

Primary Deliverables :

5 year review		3/6/2015	
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Secondary Deliverables:

**None**