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FINAL FEDERAL FACILITIES AGREEMENT SITE MANAGEMENT PLAN AMENDMENT
CALENDAR YEAR 2014 QUARTERLY UPDATE NAS JACKSONVILLE FL
08/13/2013
NAVFAC SOUTHERN

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

ANNUAL UPDATE

12-Aug-13

**PREPARED BY
Adrienne Wilson
NAVFAC South East
Code OPDE3
Naval Facilities Engineering Command
135 Ajax Street
Jacksonville, Florida
32212**

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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 Solid 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
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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

**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>			
dft Groundwater monitoring reports	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
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OU#5: PSC 51, South Antenna Field Firefighting Training Area

Primary Deliverables :

5 Year Review			3/6/2015
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Secondary Deliverables:

Groundwater monitoring report	12/30/2013	12/30/2014	12/30/2015
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OU#6: PSC 52, Hangar 1000

Primary Deliverables :

5 Year Review			3/6/2015
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Secondary Deliverables:

Groundwater monitoring report	12/30/2013	12/30/2014	12/30/2015
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	Calendar Yr 2	Calendar Yr 2	Calendar Yr 3
2013	2014	2015	2016

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

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

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

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	12/30/2013
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, .50 caliber
& a synchronized gun range. Active from 1941 to about 1978. Range features demolished late 1990s COCs:lead & PAHs

Primary Deliverables :

draft RI	
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	2016

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 late1990s.12 guage shot guns. COCs: lead & PAHs

Primary Deliverables :

draft RI	12/31/2013
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 12/31/2013

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
2013	2014	2015	2016

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 12/31/2013

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	12/31/2013
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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		
Draft FS		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		
draft FS		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		
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

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		
Draft FS		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		
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	

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

OU12 PSC 38

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

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

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