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LETTER OF TRANSMITTAL AND DRAFT SITE MANAGEMENT PLAN FOR FISCAL YEAR 2010 NAS CECIL FIELD FL
12/7/2009
TETRA TECH NUS INC

TETRA TECH

PITT-12-9-007

December 07, 2009

Project 112G02267

BRAC PMO SE
Attn: Mr. Art Sanford
4130 Faber Place Drive
North Charleston, South Carolina 29405

Reference: CLEAN Contract No. N62470-08-D-1001
Contract Task Order JM09

Subject: Draft Site Management Plan for Fiscal Year 2010
Naval Air Station Cecil Field
Jacksonville, Florida

Dear Mr. Sanford:

Enclosed please find one copy of the subject deliverable. Copies have been sent to the members of the NAS Cecil Field Partnering Team as identified below. An approval or comment letter is requested upon your review.

If you have any questions, please call me at 412-921-8163 or Mark Jonnet at 412-921-8622.

Sincerely,

Robert F. Simcik, P.E.
Task Order Manager

MPS/kf

Enclosure

cc: G. Fraley, U.S. EPA (1 copy)
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Comprehensive Long-term Environmental Action Navy

CONTRACT NUMBER N62470-08-D-1001

Site Management Plan
for
Fiscal Year 2010

Naval Air Station Cecil Field
Jacksonville, Florida

Contract Task Order JM09

December 2009

BRAC Program Management Office Southeast
4130 Faber Place Drive, Suite 202
North Charleston, South Carolina 29405

TETRA TECH NUS, Inc.

SITE MANAGEMENT PLAN
FOR
FISCAL YEAR 2010

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
BRAC Program Management Office Southeast
4130 Faber Place Drive
North Charleston, South Carolina 29405

Submitted by:
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CONTRACT NUMBER N62470-08-D-1001
CONTRACT TASK ORDER JM09

DECEMBER 2009

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ACRONYMS

ABB-ES	ABB Environmental Services, Inc.
AIMD	Aircraft Intermediate Maintenance Division
APR	Alternate Procedures Request
AS	Air sparging
AST	Above-ground storage tank
AVORD	Aviation Ordnance
BCP	BRAC Cleanup Plan
BCT	BRAC Cleanup Team
BRA	Baseline risk assessment
BRAC	Base Realignment and Closure
BS	Bio sparging
BTEX	Benzene, toluene, ethylbenzene, and xylenes
CA	Contamination Assessment
CAR	Contamination Assessment Report
CARA	Contamination Assessment Report Addendum
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Contaminant of concern
CSR	Confirmation Sampling Report
DPT	Direct-push technology
DRMO	Defense Reutilization and Marketing Office
EBS	Environmental Baseline Survey
EE/CA	Engineering Evaluation/Cost Analysis
EMT	Earth-Mounted Tank
ESD	Explanation of Significant Differences
FDEP	Florida Department of Environmental Protection
FFA	Federal Facility Agreement
FID	Flame ionization detector
FS	Feasibility Study
FY	Fiscal year
GCTL	Groundwater Cleanup Target Level
HLA	Harding Lawson Associates
HSWA	Hazardous and Solid Waste Amendments
IRA	Interim Remedial Action
IRP	Installation Restoration Program
iSOC	In-Situ Oxygen Curtain

JETC	Jet Engine Test Cell
KAG	Kerosene Analytical Group
LCAR	Limited Closure Assessment Report
LTM	Long-Term Monitoring
LUC	Land Use Control
MCL	Maximum Contaminant Level
MIP	Membrane interface probe
MNA	Monitored Natural Attenuation
MONA	Monitoring Only Natural Attenuation
MOP	Monitoring Only Plan
MTBE	Methyl Tertiary Butyl Ether
NAMP	Natural Attenuation Monitoring Plan
NAMPAO	Natural Attenuation Monitoring Plan Approval Order
NAS	Naval Air Station
NDI	Non-Destructive Inspection
NFA	No Further Action
NFF	North Fuel Farm
NSAP	North-South Apron Plume
O&M	Operation and Maintenance
OPS	Operating Properly and Successfully
OU	Operable Unit
OVA	Organic Vapor Analyzer
OWS	Oil-Water Separator
PAH	Polynuclear aromatic hydrocarbon
PARM	Post-active remediation monitoring
PCB	Polychlorinated biphenyl
PP	Proposed Plan
PRG	Preliminary Remediation Goal
PSC	Potential Source of Contamination
RA	Remedial Action
RAC	Remedial Action Contractor
RACR	Remedial Action Completion Report
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision

SAOR	Sampling and Analysis Outline Report
SAR	Sampling and Analysis Report/Site Assessment Report
SARA	Superfund Amendments and Reauthorization Act/SAR Addendum
SCTL	Soil Cleanup Target Level
SFF	South Fuel Farm
SMP	Site Management Plan
SOW	Scope of Work
SRCO	Site Rehabilitation Completion Report
SRR	Source Removal Report
SVE	Soil vapor extraction
TCE	Trichloroethene
TMP	Tank Management Plan
TPH	Total Petroleum Hydrocarbons
TRPH	Total recoverable petroleum hydrocarbons
TtNUS	Tetra Tech NUS, Inc.
U.S. COE	United States Corps of Engineers
U.S. EPA	United States Environmental Protection Agency
UST	Underground storage tank
VOC	Volatile organic compound
WWTP	Wastewater Treatment Plant

1.0 INTRODUCTION

This Site Management Plan (SMP) was prepared in accordance with the requirements of the Federal Facility Agreement (FFA) among the United States Environmental Protection Agency (U.S. EPA), the Florida Department of Environmental Protection (FDEP), and the United States Navy. The FFA is an interagency agreement required by Section 120(e)(1) of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Each year, or as otherwise agreed to by the FFA parties, the SMP is amended to reflect current information on progress made and future activities. The intent of the SMP is to provide:

- The site management strategy
- A schedule of work proposed for the upcoming fiscal year (FY)
- A projected schedule for sites and operable units (OUs) beyond the current FY

The SMP for Naval Air Station (NAS) Cecil Field is being amended for FY 2010 to document changes in scope, schedule, and funding for completing investigations of past waste disposal sites under the Installation Restoration Program (IRP). Information pertaining to the Petroleum [underground storage tank (UST) and above-ground storage tank (AST)] Program and the Base Realignment and Closure (BRAC) Program is also included to provide an overview of the environmental programs being conducted at NAS Cecil Field. NAS Cecil Field was closed in September 1999.

1.1 SITE MANAGEMENT STRATEGY

The SMP provides a schedule of IRP activities and is intended to be a dynamic document. The SMP will be amended as warranted and as mutually agreed to by the Navy, U.S. EPA, and FDEP. The principles used in preparing the SMP include maximizing the utilization of resources, having the flexibility to meet changing and unforeseen conditions, and cleaning up the site in a scientific and expeditious manner. These principles provide the basis for expedited remedial response at NAS Cecil Field. Guidance and promulgation offered by the U.S. EPA and FDEP are used to prepare the SMP.

The IRP investigations have been conducted following guidance presented in the Navy/Marine Corps Installation Restoration Manual (February 1997). Additional guidance as defined in the U.S. EPA Guidance for Conducting Remedial Investigations and Feasibility Studies Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (1988) and the National Oil and Hazardous Substances Pollution Contingency Plan (March 1990) is followed for project deliverables.

The long-term goal of the SMP is to guide the completion of the investigation and remediation of all sites at NAS Cecil Field. To the extent practicable, BRAC issues will be considered during the cleanup

process. The Navy has prepared a BRAC Cleanup Plan (BCP) that details ways to accelerate cleanup at IRP, petroleum, Resource Conservation and Recovery Act (RCRA)/Hazardous and Solid Waste Amendments (HSWA), and asbestos sites, and other types of sites. The BCP discusses and identifies the NAS Cecil Field Partnering Team and their role in the cleanup process and presents strategies to fast track the investigation and cleanup processes. The Partnering Team was formed to address the numerous issues surrounding base closure and to enhance environmental decision-making processes at NAS Cecil Field where property has been or will be available for transfer to the community. This team approach is intended to foster partnering, accelerate the cleanup process, and expedite timely, cost-effective, and environmentally responsible disposal and reuse decisions.

The Partnering Team, in cooperation with the City of Jacksonville Reuse Commission, updates the prioritization plan for site cleanup at NAS Cecil Field by assessing candidate sites by planned reuse, waste characteristics, potential migration pathways, and potential receptors (human and ecological). The Navy intends to work with the FFA parties utilizing a continual review process to coordinate prioritization of cleanup sites at NAS Cecil Field.

1.2 INSTALLATION RESTORATION PROGRAM

Brief descriptions, with a current investigative status, of the IRP sites and Potential Sources of Contamination (PSCs) identified under the IRP are presented in Table 1-1. The status of these sites will be updated and submitted with the quarterly progress report on IRP activities at NAS Cecil Field. The total number of IRP sites at this time is 33. PSCs may be added or deleted in the future as a result of site assessments and BRAC surveys.

1.3 PETROLEUM PROGRAM

Although petroleum sites are not required by the FFA to be part of this SMP, they have been included to assist the Partnering Team in planning future activities to expedite petroleum site (UST and AST) cleanup at NAS Cecil Field. Brief descriptions, with a current investigative status, of the identified petroleum-contaminated sites at NAS Cecil Field are presented in Table 1-2. Sites may be added and/or deleted in the future as a result of contamination assessments and BRAC surveys. Currently, the North Fuel Farm (NFF), South Fuel Farm (SFF), Day Tank 1, Jet Engine Test Cell (JETC), BP Wells Site, North-South Apron Plume (NSAP), Ocala Crash Site, Building 46/Tank 46, Building 82/Tank G-82, Building 290/Tank 290-A, Building 502/Tank 502, Building 81/Tanks 81A/B/C, Building 271 Tanks, and Hangar 815 Wash Rack are being investigated under the Petroleum Program. Several other sites that were previously investigated are also included in Table 1-2.

A Tank Management Plan (TMP) was submitted in January 1997. The TMP provides a list of all active and inactive storage tanks (ASTs and USTs) at NAS Cecil Field. The TMP also presents investigation protocols for sites being investigated under the Petroleum Program. Based on reuse, each tank was assessed and investigated as funding became available. After completion of the Phase I Petroleum Program investigation, some sites required a Contamination Assessment (CA) followed by a Remedial Action (RA) Plan (RAP) and then RA. The Partnering Team evaluates recommendations provided by the consultants and then evaluates the need for further investigation and/or other efforts required at these sites.

1.4 BASE REALIGNMENT AND CLOSURE PROGRAM

Over 200 parcels of land at the former NAS Cecil Field were investigated under the BRAC program. Environmental issues or concerns at the BRAC sites were identified in the Environmental Baseline Survey (EBS) (ABB-ES, 1994), and parcels were color-coded to identify those available for transfer or that needed further investigation and remediation. Environmental investigations and remediation have been completed at all BRAC sites identified at NAS Cecil Field.

1.5 SCHEDULE

The SMP schedule presents IRP and Petroleum Program deliverables. Submittal dates to the FFA parties for IRP activities are presented in Appendix A, and Petroleum Program activities are presented in Appendix B. These schedules present past and proposed activities for FYs 2007 through 2011. As part of the SMP, the FFA parties will meet regularly to assess progress. The schedules will be used as a baseline schedule for FY 2010 activities. Schedule impacts will be noted in the baseline schedule and presented in the text of the quarterly progress reports. Potential schedule delays will be discussed at Partnering Team meetings.

TABLE 1-1

SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
1	OU 1	Old Landfill (9 acres)	1950s-1965	Solid waste, oils, fuels, paints, paint stripper, solvents, municipal solid waste	Municipal solid waste, industrial operations	Trench and fill landfill for commercial and residential wastes (solid and liquid).
	The Record of Decision (ROD) was submitted on September 26, 1995. The selected remedial alternative, site closure, included landfill gas, radiological and unexploded ordnance surveys, surface debris removal, groundwater monitoring, post-closure care, and a 5-year review. The final design was submitted in April 1996. Bechtel and the Navy conducted an unexploded ordnance survey in 1997, and Bechtel completed a radiological survey in 1998. Tetra Tech NUS, Inc. (TtNUS) initiated monitoring activities in May 1997. The four quarterly sampling events were completed and reports presenting the analytical results were submitted for each sampling event. Sampling has been reduced to an annual event. The April 1999 annual sampling event was conducted, and the report summarizing the results was completed. Monitoring wells CEF-BK-4S and CEF-1-5S were resampled in December 1999. The April 2000 annual sampling event was conducted, and the report recommended continuing the monitoring program. The April 2001 annual sampling event was conducted, and the report was submitted in November 2001. The report recommended that the annual sampling be reduced to surface water and sediments collected at three locations and that toxicity testing be eliminated. The May 2002 annual sampling event was conducted, and the report recommended continuing the current monitoring program. In May 2004, the annual event was expanded to 11 surface water and 11 sediment locations for the purpose of including the data in the Base-Wide 5-Year Review Report. This expanded program will be used once every 5 years to correspond to the issuance of that document. In April 2005, May 2006, May 2007, and April 2008, the sampling sequence was reduced to the 2002 and 2003 levels of three surface water and three sediment sampling locations. A final Land Use Control (LUC) Remedial Design (RD) was submitted on March 29, 2005 and approved by U.S. EPA on April 15, 2005. A final Operating Properly and Successfully (OPS) Demonstration Report was submitted on April 21, 2005 and approved by U.S. EPA on June 16, 2005. Annual monitoring is ongoing. The Year 12 sampling event was a comprehensive sampling to support the 5-Year Review Report, and was conducted in July 2009. The corresponding Long-Term Monitoring Report was submitted as draft on November 5, 2009 and regulatory comments are pending. The Year 13 sampling event is scheduled for April 2010.					
2	OU 1	Recent Landfill (5 acres)	1965-1975	Solid waste, oils, fuels, paints, paint stripper, solvents	Industrial operations and shops	Trench and fill landfill for commercial and residential wastes (solid and liquid).
	The ROD was submitted in September 1995. The selected remedial alternative included site closure and biomonitoring in the wetland area. Final design was submitted in April 1996. Bechtel and the Navy conducted an unexploded ordnance survey in 1997 and Bechtel completed a radiological survey in 1998. TtNUS initiated monitoring activities in May 1997. The four quarterly sampling events were completed and reports presenting the analytical results were submitted for each sampling event. Sampling has been reduced to an annual event. The April 1999 annual sampling event was conducted, and the report summarizing the results was completed. Monitoring wells CEF-BK-4S and CEF-1-5S were resampled in December 1999. The April 2000 annual sampling event was conducted, and the report recommended continuing the monitoring program. The April 2001 annual sampling event was conducted, and the report was submitted in November 2001. The report recommended that the annual sampling be reduced to surface water and sediments collected at three locations and that toxicity testing be eliminated. The May 2002 annual sampling event was conducted, and the report recommended continuing the current monitoring program. In May 2004 the annual event was expanded to eleven surface water and eleven sediment locations for the purpose of including the data in the Base-Wide 5-Year Review Report. This expanded program will be used once every 5 years to correspond to the issuance of that document. In April 2005, May 2006, May 2007, and April 2008, the sampling sequence was reduced to the 2002 and 2003 levels of three surface water and three sediment sampling locations. A final LUC RD was submitted on March 29, 2005, and approved by U.S. EPA on April 15, 2005. A final OPS Demonstration Report was submitted on April 21, 2005, and approved by U.S. EPA on June 16, 2005. Annual monitoring is ongoing. The Year 12 sampling event was a comprehensive sampling to support the 5-Year Review Report, and was conducted in July 2009. The corresponding Long-Term Monitoring Report was submitted as draft on November 5, 2009 and regulatory comments are pending. The Year 13 sampling event is scheduled for April 2010.					

TABLE 1-1

SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
3	OU 8	Oil/Sludge Disposal Pit (50-100 ft in diameter and 3-5 ft deep)	1950s-1975	Waste fuels, oils, paints, paint strippers, solvents	Fuel farm, Aircraft Intermediate Maintenance Division (AIMD), squadrons, public works shops	At least four shallow pits were used to dispose of liquid wastes and sludge. Groundwater was the only medium identified in the baseline risk assessment (BRA) as having an unacceptable human health risk. No ecological risk was identified for any medium.
	The ROD was signed in September 1998. The final groundwater remedial design was submitted in October 1998 and identified air sparging (AS) of the source, natural attenuation monitoring of the plume, LUCs to prevent use of groundwater, and 5-year reviews. The baseline sampling event for natural attenuation was conducted in December 1998. The annual summary report for the Year 1 Quarterly Monitoring Program was completed in January 2000. The Year 1 annual report recommended quarterly sampling in the source area and the wells near Rowell Creek and semi-annual sampling of the wells in the plume. The installation of the AS system was completed in the 3rd quarter of Fiscal Year 1999, the system began operation in late May 1999, and the system was shut down in May 2000. The Year 2 annual report recommended that the AS system remain off, and the groundwater monitoring program was optimized (reduced analyses and number of monitoring wells). The November 2000 groundwater sampling event (source area only) showed a rebound of the contaminants of concern (COCs) in the source area. The Base Realignment and Closure (BRAC) Cleanup Team (BCT) decided to restart the AS system. The AS system was turned on December 22, 2000. A groundwater sampling event was conducted in January 2001, and the results were presented at the February 2001 BCT meeting. Based on the results, the AS system was shut down in February 2001, and the sampling frequency was revised to semi-annual. An Interim Remedial Action (IRA) report was submitted in June 2001. The annual Year 3 groundwater sampling event was conducted in July 2001, and the report was completed in March 2002. During the January 2002 sampling event, the maximum trichloroethane (TCE) concentration in one well at the site exceeded the AS system goal of 1,255 ppb and as a result the BCT decided to monitor this well quarterly until a peak concentration was reached. However, after the April sampling data were evaluated, it was decided that this well should be monitored monthly until the July 2002 sampling event to more quickly determine the TCE peak and hopefully avoid returning the AS system to operation. The Year 5 semi-annual sampling events were completed in February 2003 and July 2003, and the final annual monitoring report was submitted on March 10, 2005. The Year 5 annual report recommended that the AS system be turned off and the monitoring program continue. A final LUC RD was submitted on April 21, 2005 and approved by U.S. EPA on June 1, 2005. A final OPS Demonstration Report was submitted on April 22, 2005 and approved by U.S. EPA on June 16, 2005. The Year 6 semi-annual sampling events were completed in January 2004 and July 2004, and the final annual monitoring report was submitted on February 22, 2007. The Year 7 semi-annual sampling events were completed in January 2005 and July 2005, and the final annual monitoring report was submitted on February 22, 2007. The Year 8 semi-annual sampling events were performed in January 2006 and July 2006, and the draft monitoring report was submitted January 29, 2007. The first Year 9 semi-annual sampling event was performed in January 2007. Monitoring frequency was reduced to annual at the November 2007 BCT meeting, and the October 2008 and September 2009 events were conducted after the decision. The Year 11 Draft Long-term Monitoring Report is anticipated to be submitted January 15, 2010. The Year 12 Annual sampling event is scheduled for September 2010.					
4	--	Grease Pits (9 acres)	1950s-1983	Waste oils, mess greases	Installation dining facilities and facility oil/water separators	Multiple shallow pits were excavated to dispose of liquid wastes (grease from dining facilities and waste oils from oil/water separators) and then covered with fill.
	Field investigation work plan was submitted in March 1995. Field screening activities (including surface and subsurface soil sampling and monitoring well installation) were completed in June 1997. Groundwater sampling was completed in August 1997. The final Technical Memorandum for No Further Action (NFA) was submitted in September 1998.					

TABLE 1-1

SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
5	OU 2	Oil Disposal Area Northwest (100 ft in diameter)	1950s	Oil, fuel	Fuel farms	Shallow, unlined pit where liquid wastes were disposed (petroleum products present)
	Interim Action: An Interim ROD was signed in September 1994. An IRA was initiated in March 1995 for source removal. The IRA included removal and disposal of free petroleum product and removal and treatment of contaminated soil using bioremediation. Per BCT recommendation, the IRA (bioremediation) activities were discontinued in June 1996. Remedial Action (RA) reports were submitted in May 1995. Final ROD was submitted in September 1995. The remedial alternative included excavation and treatment of sediment in drainage ditch, on-site treatment of contaminated groundwater, and a restriction on all use of groundwater from the surficial aquifer. Due to discontinuation of the interim action, the ROD was amended. The Amended ROD was issued in January 2000. A Technical Memorandum letter report about the free-product investigation was submitted in September 2000. The remedial actions for soil and sediment were initiated in April 1998. For this effort, approximately 2,100 cubic yards of soil were excavated from Site 5 and disposed off site. Approximately 330 cubic yards of sediment were excavated from the adjacent drainage ditch and backfilled in the excavated soil area. Previously treated Site 5 soil was used to backfill the remainder of the soil excavation. This effort was completed in July 1998. The final groundwater remedial design for AS was submitted in May 1998. Two groundwater sampling events were conducted to assess the potential of natural attenuation as a remedial alternative. Based on data collected during these sampling events, natural attenuation appeared to be a viable remedial alternative at Site 5. The annual summary report for the Year 1 Monitoring Program was completed in September 1999. Recommendations included reducing monitoring to semi-annual events. The Year 2 semi-annual sampling events were conducted in August 1999 and January 2000 and recommended continuation of the semi-annual sampling. The Year 3 semi-annual groundwater monitoring events were completed in August 2000 and January 2001. The final IRA and Year 3 Groundwater Report were submitted in March 2002. The Year 4 semi-annual groundwater sampling events were conducted in July 2001 and February 2002. The final Year 4 Groundwater Report was submitted in December 2002 and recommended no changes to the semi-annual monitoring program. The Year 8 sampling events occurred in July 2005 and January 2006. The Year 8 final annual monitoring report was submitted February 22, 2007. A final LUC RD was submitted on May 5, 2006 and approved by U.S. EPA on May 9, 2006. A final OPS Demonstration Report was submitted on July 28, 2006 and was approved by U.S. EPA on August 30, 2006. The Year 9 semi-annual sampling events were conducted in July 2006 and January 2007. The Year 9 groundwater monitoring report was submitted May 30, 2008. Monitoring frequency was reduced to annual at the November 2007 BCT meeting, and the October 2008 and September 2009 sampling events were conducted accordingly. The Year 12 Annual Long-Term Monitoring Report is anticipated to be submitted as draft on January 15, 2010. The next sampling event is scheduled for September 10, 2010.					
6	--	Lake Fretwell Rubble Disposal Area (3.5 acres)	1950s-1984	Inert rubble	Concrete/asphalt from demolition of runway, construction debris, lumber, scrap metal, cut foliage	Rubble was disposed along banks of a low-lying marsh area by public works; some of the rubble has been overlain with soil and sod; additional rubble is uncovered.
	A Field Investigation Plan was submitted in March 1995. Field screening activities (geophysical surveys, monitoring well installation, surface and subsurface soil sampling, surface water and sediment sampling) were conducted in June 1997. Groundwater sampling was completed in August 1997. The draft Technical Memorandum presenting investigation findings was submitted in May 1998. However, the BCT decided that additional sampling was required. Three additional soil sampling events were conducted between April and July 1999 to delineate soil contaminated with arsenic, total recoverable petroleum hydrocarbons (TRPH), and benzo(a)pyrene. A dig and haul package was completed in August 1999. The Navy excavated and disposed of the contaminated soil in August 1999. The final Technical Memorandum for NFA was issued in July 2000.					

TABLE 1-1

SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
7	OU 3	Old Fire Fighting Training Area (1/3 acre)	1950s-1975	Waste fuels, oil, solvents, paint, paint strippers	Fuel farm, AIMD, squadrons, public works shops	Burnable liquid wastes were poured onto metal objects (jets) in shallow, unlined pits and ignited for fire fighting training
	The ROD was submitted in March 1998. A draft soil and groundwater design package was submitted in May 1998. In September 1998, surface soil sampling in support of the RA was conducted to further delineate TRPH, polynuclear aromatic hydrocarbons (PAHs), and inorganic contamination. The RA for soil was conducted in December 1998 and the Construction Completion Report indicated NFA for the soil. The groundwater portion of the design package was implemented in August 1998 and consists of annual groundwater monitoring. Annual groundwater monitoring reports were issued in October 1998 and October 1999. Results from the groundwater sampling conducted in July 2000 indicated the concentration of benzene had decreased to less than the detection limit and Florida cleanup criterion. The annual report (Year 3) recommended that sampling occur in November 2000. The November 2000 sampling event showed a rebound in the benzene concentration in one well. The BCT decided to sample the one well (8S) quarterly. An AS pilot test was conducted at Well 8S in April 2001 after the quarterly sampling event. The Year 4 annual groundwater sampling event was conducted in July 2001, and again the benzene concentration slightly exceeded the target cleanup goal. Another sample was collected in October 2001, and the result was also greater than the target cleanup goal. Therefore, it was decided to continue the annual monitoring program for well 8S. The final Year 4 Groundwater Monitoring report was submitted in January 2002. The annual Year 5 sampling event was completed in July 2002 and the final report was submitted in February 2003. A closeout sampling event was completed in February 2003, and a final closeout confirmation event occurred in May 2003. The benzene concentrations during the final confirmation closeout sampling were less than the benzene target cleanup level for Wells 8S and 12S and therefore, a final Remedial Action Report recommending NFA was submitted on September 15, 2003 and was approved by the BCT.					
8	OU 3	Boresite Range/ Hazardous Waste Storage Area/Fire Fighting Training (6 acres)	1975-1984	Waste fuels, oil, solvents, paint, paint strippers, lead	Fuel farm, AIMD, squadrons, public works shops	Burnable liquid wastes were poured onto metal objects (jets) in shallow, unlined pits and ignited for fire fighting training. Boresite range was used for machine gun and small arms practice. 55-gallon drums of waste were stored at the site and used as targets for practice.
	The ROD was submitted in March 1998. The groundwater remedial design work plan was submitted in June 1998. In August 1998, surface soil sampling was conducted to further delineate TRPH contamination. The draft soil remedial design, submitted in November 1998, identified excavation of the three pits to the groundwater table, removal of soil exceeding residential criteria to depth of 1 foot, and collection of confirmation samples. Additional sampling was conducted in April 1999 to identify a site-specific protection of groundwater value for TRPH in soil. A dig and haul package was submitted, and soil excavation and disposal related to the TRPH contamination was completed in August 1999. The Source Removal Report was issued in April 2000 and indicated NFA for soil. The Baseline Sampling Event for natural attenuation was conducted in August 1998. The annual summary report for the Year 1 Monitoring Program was completed in July 1999. Recommendations included reducing monitoring to semi-annual events. The second semi-annual sampling event was conducted in February 2000 and recommended continuation of the semi-annual sampling. The first Year 3 semi-annual groundwater sampling event was completed in July 2000. A fifth monitoring well was added to the sampling program. The second Year 3 semi-annual groundwater sampling event was conducted in January 2001. The final IRA and Year 3 Groundwater Monitoring report was submitted in February 2002. The Year 4 semi-annual groundwater sampling events were completed in July 2001 and January 2002. The final Year 4 Groundwater Monitoring report was submitted in December 2002. The Year 5 semi-annual sampling events were conducted in July 2002 and January 2003. The final report was submitted in February 2004. The Year 6 semi-annual sampling events occurred in August 2003 and January 2004 and the final annual report was submitted on May 10, 2005. The BCT determined that the monitoring frequency should be reduced from semi-annual to annual beginning with the Year 7 monitoring event in August 2004, and if Groundwater Cleanup Target Levels (GCTLs) were met during that event, site closure sampling could occur within 6 months (February 2005). However, the Year 7 annual report indicated that some GCTLs were not achieved and therefore no changes to the current monitoring program were recommended. The Year 8 annual report, submitted on December 30, 2005, indicated that only three compounds at one well (CEF-8-MW10S) were detected at concentrations greater than GCTLs, and therefore recommended several monitored natural attenuation (MNA) parameters be removed from the sampling program. The Year 9 sampling event was conducted in July 2006, Year 10 sampling was conducted in July 2007, and Year 11 sampling was conducted in July 2008, all without monitoring for MNA parameters. A final LUC RD was submitted on April 21, 2005 and was approved by U.S. EPA on June 1, 2005. A final OPS Demonstration report was submitted on April 22, 2005 and was approved by U.S. EPA on June 16, 2005. Year 11 sampling showed that the COC concentrations at all wells had been less than GCTLs for two or more consecutive events. Two wells that had been sampled on a 5-year basis, CEF-008-02I and CEF-008-08I, were sampled in 2009 in order to have two consecutive events in which those wells were clean. Both wells had no COCs with concentrations greater than GCTLs, so a Draft Remedial Action Completion Report was prepared and submitted August 11, 2009 suggesting NFA for Site 8. Regulatory comments were received and the reformatted draft report is being prepared.					

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SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
9	--	Recent Grease Pits (0.5 acre)	1983-1984	Grease mixed with water	Installation messes	Three shallow pits were used to dispose of kitchen grease; each pit was used until full and then a new pit was excavated
	Field investigation work plan was submitted in March 1995. Field screening activities, except for groundwater sampling, were completed in June 1997 (including geophysical survey, hydrological assessment, monitoring well installation, surface and subsurface soil, surface water and sediment sampling). Groundwater sampling was completed in July 1997. A draft Technical Memorandum presenting investigation results and conclusions was submitted in December 1997. The final technical memorandum for NFA was submitted in July 1998.					
10	OU 4	Rubble Disposal Area (6.5 acres)	1950s-1960s	Inert Rubble	Building demolition debris, runway debris	Surface disposal area with debris (demolition, roadway, metal); information is limited
	The final Remedial Investigation (RI) report was submitted in November 1996. The RI report presented an NFA recommendation with a proposal to prepare an NFA ROD. The Proposed Plan (PP) was submitted in July 1997. Final ROD was submitted in August 1997. One detection of arsenic was observed greater than its background criterion, and in December 1998, soil sampling was conducted to delineate this area. A dig and haul package was submitted, and soil excavation and disposal related to arsenic contamination were completed in August 1999. An Explanation of Significant Difference (ESD) was prepared in June 1999. The Remedial Action Report was issued in April 2000 and indicated NFA for the soil.					
11	OU 6	Golf Course Pesticide Disposal Area	1970s-1978	Pesticide, fungicide, and herbicide containers, vehicles, metal debris	Golf course maintenance area	Reportedly, between 200 and 400 empty 5-gallon cans that had contained pesticides were buried at the site; a limited number of full containers of pesticides were buried in 1978.
	Interim Actions: Final Interim ROD was submitted to the regulatory agencies in August 1994. The IRA was completed in January 1996. The pit was lined with plastic and a fence was placed around the open pit. The remedial action completion report was submitted on October 18, 1996. Revisions to the Remedial Action Report were submitted on May 16, 1997. The ROD was finalized and signed in September 1998. The draft design for soil treatment was submitted in August 1998. A soil removal in accordance with the final remedial action occurred in December 1998. During the removal action, pesticide containers were discovered and disposed accordingly. A geophysical investigation was conducted in February 1999 to assess whether additional buried containers remained on site. Based on the anomalies found during this investigation, test pitting was conducted in the second quarter of Fiscal Year (FY) 2000 (January to March 2000). A Soil Remedial Action Report Addendum was issued in August 2000 and indicated NFA for soil. The remedial design for groundwater was submitted in November 1998. The baseline groundwater sampling event was conducted in December 1998. The annual summary report for the Year 1 Quarterly Monitoring Program was completed in November 1999. Recommendations included reducing monitoring to semi-annual events. The Year 2 sampling events were conducted in January and August 2000. The Year 2 Annual Groundwater Monitoring Report was completed in December 2000 and recommended that no changes be made in the program. The Year 3 semi-annual sampling events were conducted in January and July 2001, and the final Year 3 Annual Groundwater Monitoring report was submitted in January 2002. The Year 4 semi-annual sampling events were completed in January and July 2002. A final IRA report was completed in August 2002. A site close-out sampling event was conducted in October 2002, and the results of that sampling indicated that target cleanup levels were being met. A Final Remedial Action and Year 4 Annual Groundwater Monitoring Report recommending NFA at this site was submitted in June 2003 and was approved by the BCT.					
12	--	Public Works Rubble Disposal Area (0.5 acre)	1970s-1984	Inert rubble, lumber, concrete, wire, cable, scrap metal, drums	Public works	Majority of rubble was buried approximately 3 feet below land surface, some rubble is above ground.
	Field investigation work plan was submitted March 1995. Field screening activities (geophysical survey, hydrological assessment, monitoring well installation, surface and subsurface soil sampling, groundwater sampling and surface water and sediment sampling) were completed in August 1997. The Technical Memorandum for NFA was submitted in September 1998 and regulatory concurrence was received in October 1998.					
13	--	Day Tank 1-Fuel Spill (1.5 acres)	1981	JP-5 fuel	Day tank	Location of fuel spill in 1981; approximately 500,000 gallons of JP-5 fuel were spilled; approximately 250,000 gallons were recovered.
	Transferred to the petroleum program.					

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Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
14	OU 5	Blue 5 Ordnance Disposal Area (4.5 acres)	1967-1977	Fuses, 100-pound bombs, large munitions, lulu fuses, other explosive materials	Installation ordnance disposal operations	Ordnance disposal by open detonation or burning
	The final RI report was submitted in October 1997. The final Feasibility Study (FS) report and the PP were submitted in March 1998. The ROD was submitted in July 1998. The ROD selected the NFA remedy.					
15	OU 5	Blue 10 Ordnance Disposal Area (10 acres)	1960s-1977	Small arms, parachute/distress flares, Mark IV signal cartridges, rocket igniters, CADS, 5- and 2.75-inch rockets	Installation ordnance disposal operations	Ordnance disposal by combustion in a chamber with ashes being spread over the site.
	The final FS was submitted in March 1998. An ecological study was conducted in September 1998. Additional sampling was conducted in FY 1999 to fill in data gaps for lead and PAH contamination. A sampling and analysis program of soil and soil invertebrates was conducted in June 2001 to assist in the development of Preliminary Remediation Goals (PRGs) for the site. Remedial goals were identified and agreed upon by the BCT. A final Technical Memorandum for NFA for groundwater (no additional monitoring) at Site 15 was submitted in August 2001 and monitoring wells were abandoned. However, an FDEP rule change lowered the GCTL for arsenic from 50 ppb to 10 ppb; therefore, the previous arsenic detection of 13.7 ppb exceeded the revised GCTL and Maximum Contaminant Level (MCL). Various rounds of groundwater sampling were conducted to evaluate arsenic exceedances and associated high turbidities. A final FS was submitted in December 2006 and presented alternatives for remediation of soil and groundwater. Regulatory review and comments were discussed at January 2007 BCT meeting, and it was determined that arsenic exceedances were the result of elevated groundwater turbidity and not related to site activities. A revised Final FS and draft PP were submitted in April 2007, and a final PP was submitted in May 2007 based on the revised FS indicating that groundwater was not a medium of concern. The revised draft ROD was submitted in June 2007. Preliminary pre-excavation sampling in August 2007 resulted in significant revisions to the amount of lead-contaminated soil that would require disposal as hazardous waste and to the associated costs. Changes necessitated preparation of an Amended FS, Amended PP, and revised ROD. Final Amended FS was submitted on April 30, 2008, and the public comment period for the final Amended PP was from May 1 to May 31, 2008. The ROD based on the Amended FS was signed on June 6, 2008. The final LUC RD was submitted in August 2008, and the final Remedial Design was submitted in June 2008. Excavation activities were conducted from July 7 to December 31, 2008, and a Construction Completion Report documenting the excavation activities was submitted in August 2009. A draft Remedial Action Completion Report was submitted in August 2009 and is currently being reformatted to be resubmitted as draft. Arsenic was detected at concentrations greater than GCTLs in the post-excavation groundwater confirmatory samples, and the BCT is considering plans of action to address the issue.					

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Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
16	OU 7	AIMD Seepage Pit (40x3x10 ft)	1960-1980	Solvents, heavy metals, acids, blasting grit, paint residue, photo wastes	Building 313, jet engine maintenance shop	Seepage pit used to drain wastewater (containing solvents, paint, grease, metals) generated from Building 313 operations into area soils; holding tank for wastewater is also located at Site 16; glass bead separator and associated piping also present.
	Interim Remedial Action: Focused FS and remedial design for the removal of holding tank and impacted soils were issued. Final responsiveness summary and Interim ROD were submitted in March 1994. The removal and closure of the Non-Destructive Inspection (NDI) Holding Tank were completed in June 1994. Final NDI Holding Tank Closure Certification and Report was submitted in September 1994. The ROD was submitted in August 1996. The remedial design for Site 16 was revised and consisted of remedial actions proposed for the source area and storm sewer system as identified below. An Amended PP and Amended ROD were submitted in the second quarter of FY 1999. Storm Sewer System: A pilot-scale treatability study work plan for the storm sewer system was submitted in April 1998. The pilot study for the storm sewer system was completed in April/May 1998 and a pilot-scale treatability study report was submitted in June 1998. The draft Storm Sewer Remedial Design was submitted in August 1998. A storm sewer investigation was conducted in August 1998 to evaluate the remaining portions of the Storm Sewer System near Site 16. The storm sewer system was repaired in June 1999. Source Area: A decision was made based on new information to revise the remedial action to AS of the source and natural attenuation of the plume in the Amended ROD. The pilot-scale soil vapor extraction (SVE) work plan was finalized and implemented in September 1998. The baseline groundwater sampling event was conducted in September 1998. The annual summary report for the Year 1 Monitoring Program was completed in September 1999. The annual report recommended quarterly sampling in the source area and semi-annual sampling of the wells in the plume. The AS/SVE system installation was completed in June 1999, the operation of the system began in late June 1999, and the system was shut down in May 2000. The Year 2 fourth quarter sampling event was conducted in May 2000. The Year 2 annual report recommended that the groundwater monitoring program be optimized (reduced analyses and number of monitoring wells). The November 2000 quarterly sampling event showed a rebound of the COC concentrations in the source area. The BCT decided to restart the AS/SVE system. The AS/SVE system was restarted on December 22, 2000. A groundwater sampling event was conducted in January 2001. Based on the results, the AS system was shut down in February 2001, and the sampling frequency was revised to semi-annual. The second semi-annual Year 3 sampling event was conducted in July 2001, and the final report was submitted in April 2002. An IRA/SVE report was completed in June 2001 and recommended the continued monitoring of groundwater to determine if further operation of AS/SVE system was necessary. Monitoring, LUCs, and 5-Year Reviews will continue until FDEP GCTLs are achieved. A groundwater sampling event was conducted in February 2002, and the results were presented at the March 2002 BCT meeting. Results showed that the TCE source area concentrations remain less than the target of 1,000 ppb and therefore the AS system was to remain off. The Year 4 semi-annual sampling events were completed during February and July 2002. The final Year 4 groundwater monitoring report was submitted in August 2003. No changes to the existing monitoring program were recommended. The Year 5 semi-annual sampling events were conducted in February and July 2003. The final monitoring report was submitted on March 10, 2005 and recommended no changes to the existing program. The Year 8 semi-annual sampling events were conducted in January and July 2006, and the draft monitoring report was submitted January 29, 2007 and is currently in regulatory review. The Year 9 first semi-annual sampling event was conducted January 2007. A final LUC RD was submitted on April 21, 2005 and was approved by U.S. EPA on June 1, 2005. A final OPS Demonstration Report was submitted on April 22, 2005 and was approved by U.S. EPA on June 16, 2005. The final work plan for a pilot study to evaluate bioaugmentation was submitted in April 2008. Pilot study activities were conducted in April and May 2008, and the draft Pilot Study Technical Memorandum is scheduled to be submitted in December 2009. The AS/VE system was restarted on April 16, 2009 after a direct-push technology (DPT) investigation was completed to verify that the hot spot area continued to be within the AS/VE system limits. The first semi-annual, Year 11 event was completed in March 2009, and the associated report was submitted August 4, 209. Semi-annual monitoring continued until the second semi-annual, Year 11 event conducted in September 2009, after which it was agreed that the sampling frequency would change to annual. The first annual sampling event is scheduled for September 2010.						

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Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
17	OU 2	Oil/Sludge Disposal Pit Southwest (2 acres)	Late 1960s - early 1970s	Waste fuels/oils	Fuel farm	Unlined shallow disposal pit
	Interim Remedial Action: Interim ROD was signed in September 1994. An IRA was initiated in February 1995 for source removal and on-site treatment of contaminated soil. A remedial action completion report was submitted in September 1996. The ROD was submitted September 1995. The remedial alternative is intrinsic bioremediation with an aggressive monitoring program. The final remedial design work plan was submitted in January 1997. The first year (4 quarters) of natural attenuation monitoring was completed in June 1998. An annual report was submitted in June 1998 recommending semi-annual monitoring. The Year 2 annual report was issued in June 1999, and recommended discontinuing the analysis of several COCs and several natural attenuation parameters. The Year 3 second semi-annual sampling event was conducted in February 2000 and recommended decreasing the number of wells to be sampled. The Year 4 semi-annual groundwater sampling events were completed in July 2000 and January 2001. The Year 4 annual monitoring report was submitted in March 2002 and recommended no changes in the monitoring program. The Year 5 semi-annual groundwater sampling events were completed in July 2001 and January 2002. The final Year 5 Groundwater Monitoring report was completed in October 2002 and also recommended no changes to the monitoring program. The Year 6 semi-annual sampling events were completed in July 2002 and February 2003. The final Year 7 monitoring report was submitted on December 30, 2005 and recommended no changes to the current monitoring program. The Year 9 sampling events occurred in July 2005 and January 2006, and the final monitoring report was submitted on February 22, 2007. The Year 10 semi-annual sampling events were conducted in July 2006 and January 2007, the draft monitoring report was submitted May 30, 2008. A final LUC RD was submitted on April 21, 2005 and was approved by U.S. EPA on June 1, 2005. A final OPS Demonstration Report was submitted on April 22, 2005 and was approved by U.S. EPA on June 16, 2005. Annual monitoring is ongoing. The Year 11 sampling event was conducted in July 2007 and it was decided after the first Year 11 event that sampling frequency would be changed to annual. The Year 12 sampling event was in October 2008 and the associated presentation was submitted January 7, 2009. Year 13 sampling was conducted in September 2009. The associated report is anticipated to be submitted as a draft on January 15, 2010. Year 14 sampling is scheduled for September 2010.					
18	--	Ammunition Disposal Area (0.1 acre)	1940s – 1950	Ammunition crates, miscellaneous ordnance	Magazine area	Waste material from a nearby magazine area was trucked in and dumped over the site during the 1940s until 1950. Reportedly, all munitions were removed.
	Field investigation work plan was submitted in March 1995**.** Field screening activities (monitoring well installation, surface and subsurface soil, surface water, and sediment sampling) were completed in August 1997. The draft Technical Memorandum for NFA was submitted in March 1998. The final Technical Memorandum for NFA was submitted in October 1998.					
19	--	Rowell Creek Rubble Disposal Area (3 acres)	Section until 1991	Concrete, construction debris, asphalt, wood debris, trash	Construction and operations	Limited information on disposal practices
	Field investigation work plan was submitted in March 1995. Field screening activities (records and document search, geophysical surveys, monitoring well installation, surface and subsurface soil, surface water and sediment sampling) were completed in August 1997. The draft Technical Memorandum for NFA was submitted in January 1998. The BCT recommended that the report be finalized after completion of the test pitting activities at the site. A letter report identifying test pit locations was submitted in May 1998. The Technical Memorandum for NFA was submitted in November 1998.					

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Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
21	OU 10	Golf Course Pesticide Mixing Area	1950s to present	Pesticides, TRPH, and arsenic	Golf course maintenance area	Site activities included the storage and maintenance of golf course maintenance equipment, cleaning and rinsing of chemical-dispensing equipment, and preparation of chemical solutions. Empty containers at one time were disposed in a pile on the northwest side of the site. Rinsing took place at one of two places: on the east side of Building 238, and on a concrete pad on the north side of the site. At both locations, rinse water discharged into the ditch along the east side of the site.
	Initial investigation began in 1991. Beginning in 1998, field investigations were conducted to delineate soil and groundwater contamination. Soil contamination has been delineated and a final Action Memorandum for soil removal to meet industrial criteria was issued in April 2001. The soil remedial action was completed during June 2001. A draft Action Memorandum Addendum for removal of soil to residential risk levels was submitted in May 2002, and the remedial action was completed in September 2002. The groundwater contamination is being addressed in the RI/FS process. The RI was submitted in October 2001, and the final FS was submitted in September 2002. A final revised FS reflecting industrial land use was submitted in October 2003, and a revised final PP was submitted in early July 2005. A revised final ROD reflecting finalized LUC language was submitted in September 2005. A work plan for long-term groundwater monitoring (the selected alternative) was submitted in June 2002, and the two semi-annual sampling events for the first year occurred in July 2002 and February 2003. The Year 1 final annual monitoring report was completed in June 2004 and recommended no changes to the monitoring program. The Year 2 semi-annual sampling events were performed during August 2003 and January 2004. The Year 2 final annual monitoring report was submitted on October 14, 2004 and recommended changes to the monitoring program. The BCT agreed that for the third year of monitoring, a second downgradient well would be added to the monitoring program and the frequency would be reduced to annual. The Year 3 annual sampling event occurred in July 2004 and the final monitoring report was submitted on January 26, 2005. The Year 3 annual monitoring report indicated that the chlordane plume had migrated beyond the source area and recommended that an additional downgradient well be installed southwest of the existing downgradient well. This well along with one other new well were installed and sampled in July 2005. The Year 4 annual sampling event occurred in July 2005 and the final monitoring report was submitted on December 20, 2005. The Year 4 annual monitoring report indicated that although the chlordane concentrations in the source wells were higher than previous sampling events, there was still no indication of migration to the downgradient well. Therefore, no changes to the current monitoring program were recommended. The Year 5 annual sampling event occurred in July 2006 and the draft monitoring report was submitted on November 17, 2006. A final LUC RD was submitted on May 5, 2006 and was approved by U.S. EPA on May 15, 2006. A final OPS Demonstration Report was submitted on July 28, 2006 and was approved by U.S. EPA on August 30, 2006. A final Interim RA report was submitted on October 13, 2006 and was approved by U.S. EPA on October 31, 2006. Annual monitoring is ongoing. Year 6 sampling was in July 2007, and the associated report was submitted in January 2008. Year 7 sampling was in July 2008, and the associated report was submitted. Year 8 sampling was conducted in September 2009, and the draft report is being prepared. The Year 9 annual sampling event is scheduled for October 2010.					

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NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
25	OU 10	Former Transformer Storage Yard	1953 to 1999	Pesticides, polychlorinated biphenyls (PCBs), and benzo(a)pyrene	Storage of pesticides and the storage of old transformers	Limited information on practices. Site activities included the storage of pesticides and old transformers, operation of the wash rack, and service of equipment.
	Initial investigation began in 1997. Beginning in 1998, field investigations were conducted to delineate soil and groundwater contamination. The soil contamination was delineated and a final Action Memorandum for soil removal was issued in April 2001. A soil remedial action was completed during May 2001. The groundwater contamination is being addressed in the RI/FS process. The RI and FS reports were submitted in October 2001. A final PP was submitted in July 2003, and a final ROD was signed in September 2004. A work plan for long-term groundwater monitoring (the selected alternative) was submitted in June 2002, and the two semi-annual sampling events for the first year occurred in July 2002 and February 2003. The Year 1 final annual monitoring report was completed in June 2004 and recommended no changes to the monitoring program. The Year 2 semi-annual sampling events were performed during August 2003 and January 2004. The Year 2 final annual monitoring report was submitted on October 14, 2004 and recommended changes to the monitoring program. The BCT agreed that for the third year of monitoring, the frequency would be reduced to annual. The Year 3 annual sampling event occurred in July 2004. The final monitoring report was submitted on January 26, 2005 and recommended no changes to the existing program. The Year 4 annual sampling event occurred in July 2005 and the final annual report was submitted on December 20, 2005. The Year 4 monitoring report recommended no changes to the existing program. The Year 5 annual sampling event occurred in July 2006 and the associated draft monitoring report was submitted November 17, 2006 and is currently in regulatory review. The Year 5 sampling results were below GCTLs; the BCT decided to have the Year 6 sampling event occur in January 2007, if the results were also below GCTLs the Year 6 report would recommend NFA for the site. The Year 6 draft monitoring report was submitted May 28, 2007 recommending NFA. A final Interim RA report was issued on September 14, 2005 and was approved by U.S. EPA on November 3, 2005. A final LUC RD was submitted on May 5, 2006 and was approved by U.S. EPA on May 9, 2006. A final OPS Demonstration Report was submitted on July 28, 2006 and was approved by U.S. EPA on September 13, 2006. Groundwater concentrations were less than cleanup goals for two consecutive sampling events, and the draft Remedial Action Completion Report (RACR) was submitted on May 15, 2008. Regulatory comments were received, and the final RACR was approved by U.S. EPA February 3, 2009 and by FDEP December 16, 2008. NFA is required at Site 25.					
32	OU 12	Defense Reutilization and Marketing Office (DRMO) Asphalt Storage Yard		Polynuclear Aromatic Hydrocarbons and metals	Hazardous materials storage	Site was used for unpermitted storage of hazardous materials in drums.
	Initial investigation began in 1993. A Sampling and Analysis Report (SAR), issued in 1996, indicated that metals detected in surface soil at the site may represent a hazard. Field investigations were conducted between May 1999 and April 2000 to delineate soil contamination. A final Action Memorandum for soil removal was prepared in May 2000, and 140 tons of soil were excavated and disposed in August 2000. Because contaminated soil remains at the site beneath a paved storage area, an Engineering Evaluation/Cost Analysis (EE/CA) was prepared and submitted in August 2002. The EE/CA recommended groundwater monitoring with LUCs as the preferred remedial action alternative at the site. A final PP was submitted in mid-September 2003, and a final ROD was signed in October 2004. A final LUC RD was submitted on May 5, 2006 and was approved by U.S. EPA on May 9, 2006. A final OPS Demonstration Report was submitted on July 28, 2006 and was approved by U.S. EPA on August 30, 2006. Groundwater sampling to verify that contaminants are not leaching from soil is to be conducted every 5 years per the ROD. The 2009 sampling took place in September and it was decided at the November BCT meeting that the wells would be resampled. The results will be evaluated as part of the Third Five-Year Review Report.					

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Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
36	OU 9	Control Tower TCE Plume		Chlorinated solvent, benzene, toluene, ethylbenzene, and xylene (BTEX) plume.	Groundwater plume located south of Building 82, the control tower.	The plume was discovered during the Day Tank 2 groundwater plume investigation. The plume's major contaminants are TCE and BTEX
	An RI for Site 36 (performed in conjunction with Site 37) was initiated in November 1998 and concluded in January 1999. The draft RI and FS reports were issued in the third quarter of FY 1999. The final RI Report was completed in August 1999. The remediation of Day Tank 2 groundwater contamination is included in the Site 36 groundwater remediation. The FS and PP were issued in September 2000. The ROD was finalized and signed in June 2001. The final remedial design for the AS system was submitted in September 2001, and the remedial action construction began in December 2001. The AS system began operation at one hot spot in March 2002. The construction for the entire system was completed in July 2002. Also, a long-term monitoring plan for groundwater was submitted in January 2001. The first year of quarterly sampling activities concluded in October 2001. The final Year 1 Groundwater Monitoring report was submitted in March 2003 and recommended no changes to the monitoring program. The second year of quarterly sampling activities concluded in October 2002. The final Year 2 Annual Groundwater Monitoring report was submitted in October 2003 and recommended decreasing the monitoring frequency to semi-annual. The BCT determined that monitoring should remain on a quarterly basis for the first two quarters of Year 3 and then decrease to semi-annual beginning with the October/November 2003 sampling event. The third year of monitoring concluded in November 2003, and the final Year 3 Annual Groundwater Monitoring Report was submitted on January 31, 2005. The report recommended no changes to the monitoring program and the continued operation of AS systems at Hot Spots 2 and 3. The Year 4 sampling events occurred in May and November 2004, and the final annual report was submitted on February 10, 2006. The report recommended the elimination of two wells (CEF-36-24I and CEF-43-45) from the monitoring program. The Year 5 final annual monitoring report was submitted on June 1, 2007, recommended that the AS system at Hot Spot 2 be shut down. The Year 6 sampling events occurred in April and November 2006, the associated monitoring report is currently in preparation. The Year 7 first semi-annual sampling event occurred in April 2007. The final LUC RD was submitted on May 5, 2006 and was approved by U.S. EPA on May 9, 2006. A final OPS Demonstration Report was submitted on August 1, 2006 and was approved by U.S. EPA on August 30, 2006. Semi-annual monitoring is ongoing and quarterly monitoring is being performed in the Site 37 source area only, as decided at the February 2009 BCT meeting. The next sampling event is scheduled for March 2010.					
37	OU 9	Hangars 13 and 14 DCE Plume		Chlorinated solvent and BTEX plume	Groundwater plume located southeast of Hangars 13 and 14	The plume was discovered as part of the flightline groundwater investigation. Its major contaminants are dichloroethene and BTEX
	An RI for Site 37 (performed in conjunction with Site 36) was initiated in November 1998 and concluded in January 1999. The draft RI and FS reports were issued in the third quarter of FY 1999. The final RI Report was completed in August 1999. The FS and PP were issued in September 2000. The ROD was finalized and signed in June 2001. The final Remedial Design for the AS system was submitted in September 2001, and the remedial action construction began in December 2001. The AS system began operation at one Hot Spot in March 2002. Also, a long-term monitoring plan for groundwater and the storm sewer was submitted in January 2001. Excavation of contaminated soil occurred during the last quarter of FY 2001 under the Petroleum Program. The first year of quarterly sampling activities concluded in October 2001. The final Year 1 Groundwater Monitoring report was submitted in March 2003 and recommended no changes to the monitoring program. The second year of quarterly sampling activities concluded in October 2002. The final Year 2 Annual Groundwater Monitoring report was submitted in October 2003 and recommended decreasing the monitoring frequency to semi-annual. The BCT determined that monitoring should remain on a quarterly basis for the first two quarters of Year 3, and then sampling frequency will decrease to semi-annual beginning with the October/November 2003 sampling event. The third year of monitoring concluded in November 2003 and the final Year 3 Annual Groundwater Monitoring Report was submitted on January 31, 2005. The report recommended no changes to the monitoring program and the continued operation of AS systems at Hot Spots 2 and 3. The Year 4 sampling events occurred in May and November 2004, and the final annual report was submitted on February 10, 2006. The report recommended the elimination of two wells (CEF-13-13I and CEF-36-30I) from the monitoring program. The Year 5 draft annual monitoring report was submitted on June 7, 2006, recommended that the AS system at Hot Spot 2 be shut down and is currently under regulatory review. The Year 7 first semi-annual sampling event occurred in April 2007. The final LUC RD was submitted on May 5, 2006 and was approved by U.S. EPA on May 9, 2006. A final OPS Demonstration Report was submitted on August 1, 2006 and was approved by U.S. EPA on August 30, 2006. Semi-annual monitoring is ongoing. A DPT investigation to support site optimization conducted June 2007, and the associated Technical Memorandum was submitted November 9, 2009. Semi-annual monitoring is ongoing and quarterly monitoring is being performed in the Site 37 source area only, as decided at the February 2009 BCT meeting. The next sampling event is scheduled for March 2010.					

TABLE 1-1

SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
42	OU 12	Former Boiler House / Steam Plant and General Storehouse	1940s to 1960s	PAHs, TRPH, and metals	Steam generation	Limited information on practices since the buildings were all demolished in the late 1950s and early 1960s.
	Initial investigation began in 1994. In 1999, a Sampling and Analysis Outline Report (SAOR) for the Yellow Water Weapons Area indicated that arsenic, barium, and benzo(a)pyrene at Site 42 exceeded FDEP Soil Cleanup Target Levels (SCTLs). Further field investigations were conducted between April 1999 and April 2000 to delineate soil contamination. A final Action Memorandum for soil removal was submitted in January 2001, and 2,420 tons of soil were excavated and disposed in February and March 2001. A Technical Memorandum for NFA was submitted in March 2002. An NFA PP was issued in June 2002, and an NFA ROD was signed in October 2002.					
44	OU 12	Ditch from DRMO to Wastewater Treatment Plant	1942 to 1999	PAHs, PCBs, TRPH, pesticides and metals	Drainage Ditch	USTs were present in the area of the Wastewater Treatment Plant (WWTP). Sewage discharges from WWTP occurred. Wash water containing solvents accidentally discharged to ditch at least once.
	Initial investigation began in 1993. Field investigations were conducted between June 1999 and April 2000 to delineate soil contamination and evaluate ecological risks from sediment and surface water pathways. An Action Memorandum for soil removal was submitted in June 2000, and 290 tons of soil were excavated and disposed in September 2000. A Technical Memorandum for NFA was submitted in January 2002. It was determined that post-excavation ecological risks at the site are negligible. An NFA PP was issued in June 2002, and an NFA ROD was signed in October 2002.					
45	OU 11	Facility 11, Steam Generating Plant	1941 to 1999	Benzo(a)pyrene, arsenic, and vanadium	Activities related to steam generation	Limited information on practices at the site. Activities are related to steam generation for the Base.
	Initial investigation began in 1995. Beginning in 1998, field investigations were conducted to delineate soil and groundwater contamination. The soil contamination was delineated, and a final Action Memorandum for soil removal was issued in May 2000. A soil remedial action was conducted in August 2000. The groundwater contamination (vanadium) is being addressed under the RI/FS process. The RI was submitted in June 2001, the FS was submitted in August 2001, the PP was submitted in July 2003, and the final ROD was submitted in December 2003. Annual long-term groundwater monitoring (the selected alternative) began in early August 2002. The final Annual Year 1 Groundwater Monitoring report was submitted in February 2003 and recommended no changes to the current program. The Year 2 annual sampling event was performed during August 2003 and the final Annual Year 2 report, submitted on February 8, 2005, recommended no changes to the monitoring program. The Year 3 annual sampling event was moved up from July 2004 to May 2004 so that the data could be used in the 5-Year Review Report. The final Annual Year 3 report was also submitted on February 8, 2005 and recommended that beginning with the July 2005 sampling event, annual sampling be reduced to only two downgradient wells. A comprehensive sampling event involving the original seven monitoring wells was to be conducted every five years in conjunction with the regularly scheduled five-year review. The final Annual Year 4 report was submitted on December 20, 2005. It recommended no further changes to the monitoring program. The Year 5 sampling event occurred in July 2006 and the corresponding final annual report was submitted on March 9, 2007. A final LUC RD was submitted in April 2004 and was approved by U.S. EPA on May 11, 2004. A final Interim RA report was submitted on December 28, 2004 and was approved by U.S. EPA on February 8, 2005. A final OPS Demonstration Report was submitted on November 10, 2005 and was approved by U.S. EPA on August 30, 2006. Annual monitoring is ongoing. Year 7 annual sampling was conducted in July 2008 and Year 8 sampling was conducted in July 2009 and re-sampled September 2009. Year 9 sampling is scheduled for July 2010. Soil sampling to be conducted every 5 years per the ROD was is scheduled for April 2009, and results will be evaluated as part of the Third Five-Year Review Report. The Third Five-Year Review also states that soil sampling will be discontinued upon the acceptance of the document.					
49	OU 5	Skeet Range	1965 to 1998	PAHs and metals	Clay pigeons and lead shot	Recreational skeet shooting
	Initial investigation began in 1999. Soil sampling indicated PAH and lead soil contamination. Additional soil sampling from 1999 to 2001 was conducted to delineate the extent of contamination. A draft EE/CA was prepared in August 2001 to evaluate alternatives for site remediation. The final EE/CA was submitted in February 2002. An Action Memorandum for soil removal was submitted in May 2002 and the remedial excavation, which began in August 2002, was completed at the end of December 2003. The delay was because of flooding over parts of the site. A final PP for NFA was submitted on March 6, 2006 and was approved by the BCT. A NFA ROD was signed on September 26, 2006.					

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SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
57	OU 9	Flight Line Building 824A & Day Tank 1 Area	1957 to 1999	BTEX and chlorinated solvents	BTEX from Day Tank 1 Area	Aircraft ground support
	Initial investigation began in 1997. In 1999, as part of the MB-18 SAOR, contamination of groundwater with PAHs and chlorinated compounds was reported. Additional well installation and groundwater sampling activities to delineate the extent of contamination were conducted in 2000. Because of the proximity to existing Day Tank 1 wells (Petroleum Program), and because of the presence of some common groundwater contaminants (petroleum-related components), it was decided in April 2001 that a comprehensive evaluation of groundwater in the entire area was required under the Installation Restoration Program (IRP). The RI work plan for this investigation was submitted in August 2001, and the RI field investigation occurred from September to December 2001. The final RI Report was submitted in August 2002, the final FS report was submitted in October 2002, and the final PP recommending long-term monitoring with LUCs as the remedial action for this site was submitted in July 2003. A final ROD was submitted on September 14, 2005. A final Remedial Design Work Plan for Long-Term Monitoring was submitted in April 2003, and the Year 1 quarterly groundwater monitoring events occurred in May 2003, July 2003, October 2003, and January 2004. A final Year 1 groundwater monitoring report was submitted on June 17, 2005. Beginning with the Year 2 monitoring events in July 2004 and January 2005, samples were collected semi-annually. A final Year 2 groundwater monitoring report was submitted on August 19, 2005 and recommended no further changes to the monitoring program. The Year 3 sampling events occurred in July 2005 and January 2006, the final annual monitoring report was submitted on February 21, 2007. The Year 4 sampling events occurred in August 2006 and January 2007, the draft annual monitoring report was submitted for regulatory review on May 10, 2007. A draft Interim RA report was submitted on July 19, 2006 and is currently in regulatory review. A final LUC RD was submitted on May 5, 2006 and was approved by U.S. EPA on May 9, 2006. A final OPS Demonstration Report was submitted on August 1, 2006 and was approved by U.S. EPA on August 30, 2006. Year 5 sampling was conducted in August 2007 and January 2008, and the associated report was submitted on December 30, 2008. Year 6 sampling was conducted in July 2008 and February 2009, and the associated report was submitted in April 2009. Sampling was changed to annual after the second Year 6 sampling event. The Year 7 annual sampling event is scheduled for March 2010.					
58	OU 9	Flight Line Building 312	1957 to 1999	BTEX and chlorinated solvents	UST, oil/water separator, wash rack and paint booth	Aircraft maintenance
	Initial investigation began in 1996 as part of the Petroleum Program. The Site Assessment Report (SAR) reported naphthalene and metals in groundwater and arsenic in sediment in excess of criteria. Resampling of an existing well in 1999 showed naphthalene and dissolved iron in excess of criteria. A SAR Addendum issued in 1999 recommended evaluation of groundwater under the Petroleum Program. Phase I and Phase II groundwater investigations conducted in 2000 included sampling of new and existing wells and reported exceedances of chlorinated compounds and PAHs. Based on these results, it was decided that the site would be addressed under the IRP. The RI work plan for this investigation was submitted in August 2001, and the RI field investigation occurred in September 2001. The final RI report was submitted in August 2002, the final FS report was submitted in October 2002, and the final PP recommending long-term monitoring with LUCs as the remedial action was submitted in July 2003. A final ROD was submitted on September 14, 2005. A final Remedial Design Work Plan for Long-Term Monitoring was submitted in April 2003, and the Year 1 quarterly groundwater monitoring events occurred in May 2003, July 2003, October 2003, and January 2004. A final Year 1 groundwater monitoring report was submitted on August 8, 2005. After the Year 2 monitoring events in July 2004 and January 2005, sampling was conducted semi-annually. The final Year 2 groundwater monitoring report was submitted on October 13, 2006 and recommended reducing the semi-annual monitoring to include only 9 wells. The Year 3 sampling events occurred in July 2005 and February 2006, the final annual monitoring report was submitted on April 13, 2007. The Year 4 annual sampling event was conducted in February 2007 and the draft monitoring report is being prepared. A final Interim RA report was submitted on October 13, 2006 and was approved by U.S. EPA on October 31, 2006. A final LUC RD was submitted on May 5, 2006 and was approved by U.S. EPA on May 9, 2006. A final OPS Demonstration Report was submitted on August 1, 2006 and was approved by U.S. EPA on August 30, 2006. After the February 2007 (First Semi-Annual, Year 4) event, monitoring frequency was reduced to annual. Year 5 sampling was conducted in January 2008 and the associated report was submitted December 20, 2008. Year 6 sampling was completed in January 2009 and the corresponding report was submitted July 22, 2009. The Year 7 sampling event is scheduled for March 2010.					

TABLE 1-1

SITE DESCRIPTION CHART
INSTALLATION RESTORATION PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site No.	Operable Unit (OU)	Site Name/Size	Period of Operation	Waste Type	Sources	Description of Activity
59	OU 9	Buildings 324/1845 Areas	1989 to present	Chlorinated solvents in groundwater	No source determined	Engine Maintenance Shack used primarily by a Naval subcontractor.
	Initial investigation began in January 2004 as part of the BRAC program. Field investigations revealed the presence of TCE in groundwater beneath Buildings 324 and 1845 although no source for the contamination could be determined. The area was designated Site 59 under OU 9 to be investigated under the IRP. A Remedial Investigation Work Plan was submitted in August 2004. The RI field investigation was initiated in September 2004 and completed in September 2005. A final Pilot Study Work plan for bioremediation was submitted on January 11, 2006, and the pilot study was initiated the following month. The pilot study was completed during April 2007. The final RI Report was submitted on November 9, 2006. The final FS report was submitted on April 6, 2007. The final PP was submitted on May 31, 2007, no public comments were obtained during the review period from June 4 to July 3, 2007. The draft LUC RD was submitted April 5, 2007, and is currently in regulatory review. At issue is the Restrictive Covenant required for the previously transferred areas. The final Remedial Design was submitted on March 24, 2008, and the ROD was signed on April 29, 2008. The full-scale bioremediation system was installed and turned on in November 2008. The Final First Annual monitoring report was submitted October 19, 2009. Quarterly monitoring is ongoing, and the Fourth Quarter, Year 2 event is scheduled for February 2010.					
PSC 51	--	Golf Course	1950s to present	Pesticides and metals	Golf course	Limited information on practices. Site activities are an active golf course.
	Initial investigation began in April 1999. Field investigations were conducted to delineate soil contamination. The groundwater, surface water, and sediment in the streams and ponds were investigated and a Technical Memorandum for NFA was submitted in November 1999. A revised Technical Memorandum recommending NFA at this site was submitted in September 2003 and approved by the BCT.					
OGC	OU 12	Old Golf Course	1940s to 1950s	Pesticides and arsenic	Golf course	Limited information on practices. Site activities were an active golf course until the 1950s.
	Initial investigation began in 1993. Field investigations were conducted between November 1999 and May 2000 to delineate soil contamination at the former tee boxes and greens. A final Action Memorandum for soil removal was submitted in July 2000, and 480 tons of soil were excavated and disposed in August 2000. A Technical Memorandum for NFA was submitted in August 2001. An NFA PP was issued in June 2002, and a NFA ROD was signed in October 2002.					

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
Jet Engine Test Cell (JETC)/ Building 334	Adjacent to Building 339	JP-5 Jet Fuel	Two 20,000-gallon asphalt-coated, steel tanks with corrosion-resistant metal piping with cathodic protection installed in 1953 (Tanks 339-TC1 and 339-TC2). One 5,000-gallon steel aboveground storage tank (AST) (339-TC3) (removed in 1995).	Past releases have occurred because of tank overfilling. In October 1989, efforts to leak test Tanks TC1 and TC2 failed when inadequate seals were discovered between the manway covers and tank walls.
Current Investigative Status: A Preliminary Contamination Assessment (CA) was initiated in December 1990 by ABB Environmental Services, Inc. (ABB-ES). United States Corps of Engineers (U.S. COE) conducted a soil investigation in January 1991. The CA was completed in 1993 and a Contamination Assessment Report (CAR) Addendum (CARA) was submitted in March 1994. A CARA II was submitted in November 1994. Subsequently, an Alternate Procedures Request (APR) for free-product recovery was submitted on August 4, 1995. The Remedial Action Plan (RAP) submitted on November 22, 1996 was approved by Florida Department of Environmental Protection (FDEP) in February 1997. Monitoring wells and piezometers within the soil excavation area were abandoned in June 1997. A letter report identifying a variation in soil treatment from thermal treatment to biopiles was submitted in July 1997. Interim Remedial Action (IRA) for soil excavation was completed in September 1997. Soil removal activities took place during the first quarter of FY 1999. Quarterly natural attenuation sampling has been temporarily suspended pending completion of an additional investigation. Additional assessment activities were conducted in May and June 2001 using direct push technology (DPT) / mobile laboratory followed by installation of permanent monitoring wells to further delineate the dissolved hydrocarbon plume. The Site Assessment Report (SAR) Addendum (SARA) was prepared and concluded that two plumes exist on site and that some additional soil removal is required on the southern side of Building 334. Two other areas where contaminated soil could not be excavated were recommended for institutional controls to prevent exposure. A RAP was recommended to address the contaminated (accessible) soil and groundwater on the site. The RAP was submitted on September 27, 2002. FDEP issued a response on November 30, 2002 requesting additional information and clarification. A RAP Addendum was submitted on January 20, 2003 and approved by FDEP on February 18, 2003. The sparge system was started on November 17, 2003. The Operation and Maintenance (O&M) Report covering August 1 to October 31, 2006, indicated that concentrations in monitored wells were less than Groundwater Cleanup Target Levels (GCTLs). Based on these results, the system was turned off on April 15, 2007. Quarterly groundwater monitoring is ongoing. The most recent sampling event was conducted in September 2009, and the associated report is pending. Other Information: Part of Building 339 was demolished and rebuilt in June 1991. About 137.6 tons of soil was sent to Anderson Columbia for incineration. A 200-gallon spill occurred adjacent to Building 339 in July 1995. Soil was excavated and placed in 55-gallon drums.				
Sal Taylor Creek Containment Areas (Dam Sites)	Along Sal Taylor Creek	JP-5 Jet Fuel	JP-5 fuel spill from the North Fuel Farm (NFF) Tank 76E that occurred on February 10, 1991.	The seven dam sites are located along Sal Taylor Creek and emergency response actions were conducted at these sites after the February 10, 1991 spill. Heavy equipment and vacuum trucks were used to recover the fuel from Sal Taylor Creek.
Current Investigative Status: This site covers a total of 7 areas and includes the Aviation Ordnance (AVORD) Dam Site, the North Containment Pond Site, the AVORD Perimeter Road Site, the Gate 10 Dam Site, the Alpha Dam Site, the Possum Dam Site, and the Gate 14 Dam Site. CAs were conducted in 1991 and 1994. The field investigation included soil borings, surface water and sediment sampling, and monitoring well installation. A CAR was submitted in July 1994. Based on FDEP comments, further investigations were conducted in 1995. The investigations included toxicity assessment and surface water and sediment sampling. A CARA was submitted in March 1996 and approved by FDEP in May 1996. Per Base Realignment and Closure (BRAC) Cleanup Team (BCT) recommendations, sediment samples were collected for toxicity testing in December 1996. Samples were collected from the dam sites where biomonitoring or remediation was recommended in the CARA. Toxicity testing results were submitted in February 1997. A CARA recommending NFA at all dam sites, except Possum Dam, was submitted on May 19, 1997. An additional sample was collected at the Possum Dam site in December 1997. A CARA recommending no further action (NFA) at Possum Dam was submitted in February 1998.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
103rd Street Pipeline	Intersection of 103rd and Ave. A	Type JP-5 Jet fuel	A "pinhole" leak in the 8-inch pipeline conveying fuel from NAS Jacksonville to NAS Cecil Field was discovered and repaired in the Spring of 1997.	Following discovery of the release, an IRA was performed to remove petroleum impacted soils and to repair the pipeline. The pipeline was then taken out of service. In the spring of 1998, a site assessment was initiated.
Current Investigative Status: Investigation activities were conducted from September to December 1998 to delineate free product and a SAR was submitted in February 1999. A RAP was submitted in August 1999 recommending Air Sparging (AS)/ Soil Vapor Extraction (SVE) to address soil and groundwater plumes. The installation of the AS/SVE system was completed in the third quarter of FY 2000. It began operation in June 2000 and continued to operate until May 2005, at which time a Site Rehabilitation Completion Order (SRCO) stipulating NFA at the site was issued by FDEP.				
JP-5 Spill Area	Adjacent to Tank 76-E, northeast corner of NFF	JP-5 Jet Fuel	February 10, 1991 JP-5 fuel spill	On February 10, 1991, JP-5 fuel overflowed from Tank 76-E. The fuel flowed down the slope on the east side of the earth-mounded tank into a small ditch that discharges into Sal Taylor Creek.
Current Investigative Status: A preliminary CA was conducted in 1991 and a CA was conducted from May 27 through June 5, 1992. The investigation included soil borings and monitoring well installation and the CAR was submitted in July 1994. Based on FDEP comments on the CAR, further investigations were conducted in 1995. A CARA, submitted in March 1996, was approved by FDEP in May 1996. Recommendations for remedial actions were included in the RAP for the North Fuel Farm (NFF) site. Supplemental samples were collected in September 1997, and a CAR letter report was submitted in November 1997. Other Information: From September 1995 through January 1996, an IRA was conducted by Bechtel. The IRA included removal of about 2,750 cubic yards of contaminated soil (greater than 1000 ppm) from the site. Additional soil removal activities were performed in July and August 1999.				
South Fuel Farm	Facility 43, south of intersection of 2nd Street and "A" Avenue	JP-5 Jet Fuel	Several tanks that were removed in the 1990s.	Location of several ASTs, underground storage tanks (USTs), and earth-mounted tanks (EMTs). All ASTs were removed in 1995 and all USTs and EMTs (except Tank 342-DT) were removed in July 1994.
Current Investigative Status: CA was completed in December 1991 and CAR was submitted in July 1992. Upon review of CAR, FDEP requested additional investigation at this site. Supplemental investigation was completed in July 1995 and CARA was submitted in January 1996. The CARA was approved in April 1996. A RAP addendum submitted on October 28, 1996 was approved by FDEP in February 1997. The remedial system (biosparging) was installed in February 1998 and system start-up activities were completed in March 1998. The remedial system was operating, but not to the satisfaction of the Navy. A supplemental site investigation and system evaluation were completed in November 2002. Additional soil sampling was performed in May and October 2003 to better define the extent of soil contamination. A RAP Addendum documenting the results of the supplemental assessment and system evaluation and recommending modifications to improve the performance of the system was submitted to FDEP on July 1, 2004. A final Technical Memorandum submitted on June 6, 2006, recommended shutting down the biosparge system and adding bioventing wells to address soil contamination. FDEP responded on July 3, 2006, and agreed with collection of soil samples based on Tech Memo recommendation, that monitoring wells 2N and 6N continue to exceed GCTLs and require monitoring, and that there should be a reduction in active sparge points. Soil sampling as recommended in the Tech Memo was conducted on August 3, 2006, and the associated Supplemental Soil Sampling Report was submitted in January 2007. A post-active remediation monitoring (PARM) work plan was submitted in January 2008, and PARM soil and groundwater sampling is ongoing. The Post Active Remediation Report which covered the events from February 2008 through March 2009 was submitted August 17, 2009, recommending further monitoring at select wells.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
Truck Stand Site	Loop road south of NFF	JP-5 Jet Fuel	Used as loading station for the flightline refueling tank trucks. The site consists of a control building, a pumping station, asphalt and concrete parking area, and a retention pond.	Probable spills and soil staining
Current Investigative Status: A preliminary CA was conducted in 1990. A CA was completed in 1991 and CAR was submitted in May 1992. Subsequently, CARA was submitted in July 1994. Upon review of CARA, FDEP recommended additional investigation that included monitoring well installation, collection of groundwater samples, and advancement of soil borings. CARA was submitted to FDEP in March 1996. The CARA II was approved by FDEP in April 1996. The Monitoring Only Plan, submitted on December 6, 1996, was approved in February 1997. The four quarterly sampling events were completed. A letter report presenting the sampling results for the first, second, and third quarter sampling was submitted. The annual monitoring report was submitted in June 1998. Monitoring activities were changed to semi-annual events. The first semi-annual event was conducted and associated report was submitted in October 1998. Additional contaminated soil was removed in August 2000 and a sampling event was performed in March 2000. The September 2000 semi-annual groundwater sampling event was postponed because several monitoring wells were destroyed during the source removal activities. The monitoring wells were replaced and the sampling resumed in February 2001, and a report was submitted in April 2001. The April 2001 sampling report recommended that a RAP be prepared. The FDEP concurred with the recommendation. Prior to preparation of the RAP, the BCT agreed to a supplemental assessment to better delineate the groundwater plume. The fieldwork began during the fourth quarter of FY 2002, and it was completed in January 2003. A letter report describing the results of the supplemental work was submitted in June 2003 and approved on March 24, 2004. A remedial strategy and remedial system design were prepared for the site as part of the RAP prepared for the North Fuel Farm (NFF) Site. The RAP, which recommended AS and SVE, was submitted to FDEP in late March 2004 and was approved on June 2, 2004. The Truck Stand has been incorporated into the NFF site. Other Information: An IRA to remove soils saturated with free product was completed in May 1996. Approximately 1,000 cubic yards of soil were excavated. A Remedial Action report was submitted in June 1996.				
Sal Taylor Creek Bank Sites	Along Sal Taylor Creek	JP-5 Jet Fuel	February 1991 JP-5 fuel spill	Activities were conducted after the fuel spill.
Current Investigative Status: Nine locations along the banks of Sal Taylor Creek were investigated to determine extent of soil and groundwater contamination due to the 1991 fuel spill. Results of the 1992-93 investigation were presented in the July 1994 CAR. Per FDEP recommendations, additional investigations were completed in September 1995. The CARA submitted in March 1996 was approved by FDEP in April 1996. The CARA recommended natural biodegradation for the remedial action at these sites. Temporary wells were installed in December 1996 at the two locations recommended by FDEP. Groundwater samples were collected from these wells in January 1997. A CARA presenting the groundwater sampling results from the temporary wells, along with a recommendation for NFA, was submitted on June 16, 1997. The NFA recommendation was approved by FDEP.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
Day Tank 1	Northeast of Jet Road	JP-5 Jet Fuel	200,000-gallon interior-lined asphalt-coated steel tank containing JP-5. Tank was installed in 1956.	Location of fuel spill in 1981; approximately 497,000 gallons of JP-5 fuel were spilled because of overfill; approximately 250,000 gallons were recovered.

Current Investigative Status: Geraghty and Miller conducted a preliminary CA in 1981. CA was initiated by ABB-ES in December 1990. The CA was completed in 1993 and a CARA was submitted to FDEP in December 1993. A RAP was submitted to FDEP in May 1994. The RAP was not approved by FDEP. Consequently, an APR was submitted to FDEP in August 1995 to recover free product. The APR was approved in September 1995. Per FDEP recommendation, five additional wells were installed and sampled in September 1995. The revised RAP was submitted in January 1997, recommending excavation and the installation of a biosparging (BS)/ soil vapor extraction (SVE) system. During the June 3, 1997 BCT meeting, the partnering team requested a letter memorandum presenting a phased approach for the RA. The letter memorandum was submitted in July 1997. Natural attenuation sampling took place during the 2nd quarter of FY 1999. Natural attenuation sampling was subsequently discontinued. Day Tank 1 was removed in December 1999 and the excavation of the soil mound occurred in December 1999 and January 2000. The BS/SVE system has been in place since 2000. Semi-annual groundwater monitoring was conducted in July 2000 and January 2001. Shortly afterward, it was determined that the petroleum plume from Day Tank 1 was co-mingling with a chlorinated solvent plume under investigation near Building 824A. The BCT decided to postpone further groundwater monitoring at Day Tank 1 and expand the scope of the Building 824A (Site 57) to include the Day Tank 1 plume area. The Site 57 investigation also included some free product delineation. At the June 2002 BCT meeting, it was agreed to conduct additional soil delineation outside the original source removal area to address soil contamination encountered by the RAC. In August 2002, a flame ionization detector (FID) was used to delineate soil contamination based on headspace measurements. In October and November 2002, soil samples were collected from approximately 80 locations to delineate the extent of contamination. Additional temporary monitoring wells were installed to confirm the extent of free product. Additional delineation of soil contamination was completed in early September 2003, and excavation of the remaining contaminated soil and the free product was completed during the 1st quarter of FY 2004. A SARA was submitted in November 2003, resulting in a removal action being performed during the 1st Quarter of FY 2004. An additional soil investigation began in April 2004 resulting in an additional excavation of soil, which was completed in September 2004. The final SARA No. 2 for Day Tank 1, recommending no further action for soil, was submitted on January 30, 2006 and approved on September 26, 2006. FDEP issued a Natural Attenuation Monitoring Plan Approval Order (NAMPAO) on October 19, 2006. A Long-term Monitoring (LTM) Work Plan for Day Tank 1 and Building 46 was submitted on February 1, 2008, and semi-annual groundwater sampling is ongoing. The second semi-annual 2009 sampling event was conducted in September 2009, and the next event is scheduled for March 2010. A report detailing the disassembly and removal of the BS/SVE system at the site was submitted October 14, 2009.

Other information: A BS/SVE system was installed by JA Jones/CH2M Hill in 2000, and continues to operate. In February 2002, JA Jones began work to locate and close the pipeline that exists between Day Tank 1 and the North-South High Speed Refuelers.

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
North Fuel Farm Area	Northeast corner of A Avenue and Loop road	JP-5 Fuel	Six 595,000-gallon, interior-lined, asphalt-coated, steel, EMTs (76, 76A through 76E). Tanks 76 and 76A were installed in 1952 and remaining tanks were installed in 1954. In 1987, all tanks were relined and overfill protection was installed. In addition, Tank 76 was equipped with automatic shut-off system. Tank 76E was taken out of service in 1991.	22,772-gallon spill on August 3, 1987; 913,000-gallon spill on February 10, 1991; and 1,800-gallon spill on November 28, 1993
Initial Remedial Action: Completed installation of a catalytic oxidizer at the NFF site. Also installed 15 extraction wells. Nine of these extraction wells were connected to the bioslurper unit. Quarterly groundwater sampling was completed during this reporting period. Continued free-product recovery activities. The bioslurper system was shut down in April 1998, but the groundwater sumps are being operated. Current Investigative Status: CA was completed in 1991. The CAR was submitted in June 1992. Supplemental investigation was completed in 1993/94. Field work was conducted in April 1994 to investigate the 1,800-gallon spill. In July 1994, FDEP recommended additional investigation that was completed in 1995. A CARA was submitted in April 1996. Subsequently, the CARA was approved by FDEP. Supplemental assessment recommended by the BCT was completed in November 1996. The RAP and the revised CARA were submitted in January 1997. FDEP comments for the NFF remedial action plan were reviewed at the June 1997 BCT meeting. Supplemental soil samples were collected in September 1997 and the results were presented in a RAP letter memorandum submitted in November 1997. Additional soil samples for Kerosene Analytical Group (KAG) parameters were collected in April 1998. The BCT recommended that a pilot study be conducted to evaluate recirculation wells as a viable alternative for groundwater treatment. The 1999 recirculation well pilot-scale study showed difficulties in operation of the system. The technology was eliminated in favor of air sparging. A RAP Addendum was submitted in August 1999. This addendum also described the removal of the tanks, earth mound, and soil beneath the tanks. Natural attenuation sampling took place during the second quarter of FY 1999. Natural attenuation sampling was subsequently discontinued. Semi-annual contaminant monitoring was only conducted until July 2000. This monitoring has been suspended until the source removal action has been completed. The source removal action began in the 3rd quarter of FY 2000 and was completed in mid-February 2001. Supplemental assessment activities were initiated in July 2001. These activities included the use of DPT/membrane interface probes (MIPs) followed by installation of permanent monitoring wells to evaluate the current conditions and the impact of the source removal activities recently conducted at the site. Monitoring well installation and sampling were completed in February 2003, and the results indicated the need for additional wells. The additional well installation was completed in July 2003. The draft Supplemental SAR was submitted to the Navy in September 2003. The final Supplemental SAR was submitted to the FDEP in October 2003 and was approved by FDEP on March 5, 2004. A RAP Addendum recommending AS/SVE was submitted to the FDEP in late March 2004 and was approved on June 2, 2004. FDEP issued a directive to discontinue AS/SVE system operation on October 24, 2005. A site-wide groundwater sampling event conducted in May 2007 indicated a significant reduction in the size of the groundwater plume. Sampling event conducted during November 2007 confirmed findings of the May 2007 event. An Optimization Study was conducted to evaluate the path forward, and the Optimization Report was submitted in June 2008. The recommendations were approved by FDEP on August 20, 2008. The AS system was restarted in November 2008 with a reduced number of wells operating (based on Optimization Report recommendations). Quarterly monitoring is ongoing. The most recent sampling event was conducted in September 2009, and the next event is scheduled for December 2009. Other information: The soil source removal, conducted by JA Jones/CH2M Hill involved the excavation 140,957.03 tons of petroleum-contaminated soil and the recycling of 19,550 gallons of free product and petroleum contact water. The Source Removal Report (SRR) was approved on February 22, 2002.				
Tank 199	Building 199, Southeast corner of C Avenue and 6th Street	Heating oil	2,000-gallon underground heating oil tank	Leaking UST
Current Investigative Status: A CA plan was prepared in August 1996. The CA was initiated in September 1996 and the field program was completed in December 1996. The field program included soil borings, well installation, groundwater sampling, aquifer testing, and elevation survey. The CAR was submitted in March 1997. Additional soil samples were collected in September 1997, and the results were presented in a CAR memorandum submitted in November 1997. Soil samples for KAG analysis were collected in March 1998. Soil removal activities took place during the 1st quarter of FY 1999. Natural attenuation monitoring began in July 1999 on a semi-annual basis and was changed to annual after the February 2000 event. Monitoring was performed in January 2001 and January 2002. Continued annual monitoring was recommended. The latest annual sampling event occurred during January 2007, and the associated Supplemental Assessment Letter Report was submitted on February 28, 2007. A Site Rehabilitation Completion Letter Report was submitted to the FDEP on April 26, 2007, and the SRCO for this site was issued on September 6, 2007.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
Day Tank 2	Facility 342-DT, south of intersection of 2nd street and "A" Avenue	JP-5 fuel	200,000-gallon earth mounded, interior-lined, asphalt-coated, steel tank.	Several USTs and ASTs were located adjacent to the Day Tank 2 facility. In October 1996, free petroleum product was observed in a piezometer located south of Day Tank 2. The release was believed to have been from the tank or associated piping. Approximately 29,000 gallons of free product were recovered. Day Tank 2 was taken out of operation in October 1996 and removed in 1997.
Initial Remedial Action: Day Tank 2 was decommissioned in 1996 and was removed in August 1997 Current Investigative Status: A CA plan was submitted in June 1997. The field investigation at Day Tank 2 included installation of several monitoring wells, DPT groundwater screening points, soil borings, and soil sampling in March 1998. SAR was completed in July 1998. A source removal plan was submitted in October 1998, and the removal action was conducted in November 1998. Monitoring wells that were destroyed during the IRA were replaced and sampled in April 1999. A report describing the analytical results was completed in May 1999. Groundwater contamination will be addressed as part of OU 9, Sites 36/37 (see Table 1-1).				
Tank 46 (Includes 46R, 46D, 46SUL, and 46UL)	Building 46 across D Avenue from the Bachelor Officers Quarters	Regular and unleaded gasoline and diesel fuel	A total of eight tanks: - four 2,000-gallon tanks - two 10,000-gallon tanks - two 6,000-gallon tanks	Leaking USTs
Current Investigative Status: A RAP was submitted in March 1999. This RAP included the design of an AS/SVE System for the remediation of contaminated soil and groundwater. The RAP was revised to use a nutrient-enhanced biosparging system to remediate the source area and plume in June 2000. Installation of the remediation system was completed in January 2001. The RAC has reported contaminated groundwater exceeding GCTLs in a perimeter well. A supplemental assessment to delineate this contamination began during the fourth quarter of FY 2002 and was completed in January 2003. A letter report describing the results of the investigation was submitted on May 28, 2003. The report was approved by FDEP in July 2003. A RAP modification was issued in March 2004 to extend the current system to adequately remediate that part of the groundwater plume that is not currently being affected. The two PHOSter systems (east and west) were removed and are being replaced by one biosparging system in the eastern portion of the site. A Remedial Action Optimization Report was submitted in May 2007 to address path forward for two small hotspots with exceedances of FDEP Natural Attenuation Default Concentrations (NADCs) for naphthalene and methyl tertiary butyl ether (MTBE). The Optimization Report recommended redirecting flows to these two hotspots and bringing the west side biosparging system offline. In January 2008, FDEP approved discontinuing use of the west system. Both systems were removed from the site on January 31, 2008. A new AS system was installed on the eastern side of the site on September 17, 2008. Quarterly monitoring is ongoing. Third Quarter 2008 sampling was conducted in September 2008, and the associated report was submitted on December 22, 2008. The fourth quarter event was conducted on December 16 2008, and the annual report was approved May 7, 2009. The most recent sampling event was conducted in September 2009, and the next sampling is scheduled for December 2009.				
Tank 9L1 and 9L2	Building 9 near the corner of B Avenue and 3rd Street	Gasoline	Two tanks, each 1,250 gallons	Leaking USTs
Current Investigative Status: A RAP was submitted in February 1999. This RAP included the design of an AS/SVE system for the remediation of contaminated soil and groundwater. The RAP was revised to use a nutrient-enhanced biosparging system to remediate the source area and plume in June 2000. Installation of the remediation system was completed in January 2001, and the system was in operation through the end of 2005. FDEP has declared this a no further action site with orders to abandon the wells.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
312 O/W	North side of Building 312 (Corrosion Control Hangar)	Used oil group constituents	One 900-gallon oil/water separator tank	Leaking UST and/or piping
Current Investigative Status: A confirmatory sampling investigation of soil and groundwater was initiated in July 1998. A Confirmation Sampling Report (CSR) was submitted in 1999. The CSR indicated that the site had been impacted by used oil group constituents. A site assessment using DPT/mobile laboratory screening followed by installation of permanent monitoring wells was conducted. An SAR recommending a source removal and follow-up groundwater monitoring was submitted to FDEP in April 2002. FDEP issued a letter indicating that additional assessment was required. The additional assessment activities were completed in mid-July 2003. A Supplemental SAR was issued on September 5, 2003. A source removal was performed by WRS in October 2003 to remove petroleum impacted soil. A SRR was submitted to FDEP in December 2003 indicating that stained soil was observed in one location during the excavation. This area was subsequently sampled, and the laboratory results indicated that concentrations of contaminants of concern (COCs) were less than Soil Cleanup Target Levels (SCTLs). An NFA recommendation was subsequently submitted to FDEP.				
824 O/W	South side of Building 824 (Avionics Shop)	Used oil group constituents	Oil/water separator (capacity unknown)	Leaking UST and/or piping
Current Investigative Status: A confirmatory sampling investigation was initiated in September 1998. A CSR was submitted in 1999. The CSR indicated that the site had been impacted by used oil group constituents. A site assessment using DPT/mobile laboratory screening, followed by the installation of permanent monitoring wells was conducted. The SAR recommended NFA for the site. At the August 2002 BCT meeting, FDEP indicated that the review was complete, and an NFA letter was issued by FDEP on August 29, 2002. Other information: An SRR was submitted by the Remedial Action Contractor (RAC) on December 16, 2000.				
North-South Apron Plume	East of Building 815 on eastern edge of north-south flightline apron	Unknown	Possible leakage from storm sewers or downward migration of an upgradient plume from an unknown site.	
Current Investigative Status: Earlier investigations indicated that volatile organic compounds (VOCs) were present in the groundwater at concentrations that exceeded FDEP GCTLs. Additional assessment activities conducted between November 1999 and November 2000 confirmed that VOCs were present in the groundwater at concentrations that exceeded GCTLs. An SAR was submitted recommending implementation of natural attenuation monitoring. FDEP issued a Natural Attenuation Monitoring Plan Approval Order in March 2001. The first three quarterly events indicated that groundwater VOC concentrations continued to exceed GCTLs, and the plume appeared to be static. A fourth quarterly groundwater-monitoring event was conducted in February 2002. Based on results that indicated the plume was static and still exceeded GCTLs, a supplemental assessment was recommended. The additional assessment began during the fourth quarter of FY 2002. Monitoring was postponed during the supplemental assessment, which was completed in November 2002. A letter report describing the supplemental assessment work and recommending natural attenuation monitoring was submitted for FDEP review on January 14, 2003. An FDEP response, issued on May 2, 2003, requested additional assessment to delineate the vertical extent of contamination. The installation and sampling of additional wells was completed in July 2003, and a second supplemental assessment letter report was submitted to FDEP in December 2003. FDEP issued a response on January 30, 2004 requesting additional sampling. The Navy issued a Scope of Work (SOW) for the additional sampling on July 20, 2004 and the sampling was completed on March 24, 2005. A Supplemental Assessment Letter Report was issued in August 2005 and approved by FDEP in September 2005. A new groundwater monitoring program began on July 7, 2006. Quarterly sampling was conducted from July 2006 to May 2007 (Year 1 quarters 1 through 4), and monitoring frequency was reduced to semi-annual starting with the November 2007 (First Semi-Annual, Year 3) event. The First Semi-Annual, Year 4 event was conducted in November 2008, and the associated report was submitted on December 30, 2008. The second Semi-Annual, Year 4 event was conducted in July 2009 and the report is being prepared. Semi-annual groundwater monitoring is ongoing, and the next event (Year 5, First Semi-Annual) is scheduled for January 2010.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
Building 82/ Tank G-82	Eastern side of Building 82 on western edge of north-south flight line apron		Remaining contaminated soil next to Building 82.	Soil removed in 2000.
Current Investigative Status: A site investigation was conducted from October 1999 to July 2000. Petroleum contaminants were detected in the soil and groundwater. A total of 148.1 tons of contaminated soil were removed and approximately 49 yards of contaminated soil were left in place because of physical obstructions. A groundwater Monitoring Only Natural Attenuation (MONA) proposal was recommended to begin after the excavation was completed. On April 18, 2002, additional subsurface soil samples were collected for TRPH Subclassification Evaluation to determine if the contaminated soil left in place required excavation. All results were less than FDEP Industrial SCTLs, therefore the soil was left in place and Land Use Controls were put in place. A pilot project was proposed to address the contaminated groundwater at G-82 and BP Wells. The project was placed on hold while system technical evaluations were conducted to determine the best path forward. An MNA Work Plan was submitted in May 2008, MNA monitoring began in July 2008, and is ongoing quarterly. The Second Quarter, Year 1 event was conducted in October 2008. The Third and Fourth Quarter, Year 1 events were conducted in January 2009 and April 2009, respectively, and the Year 1, 4th Quarter Monitoring Report was accepted October 9, 2009. Sampling was changed to Semi-Annual frequency after the Year 1 Fourth Quarter Report. The most recent event was conducted in October 2009, and the next event is scheduled for April 2010.				
BP Wells	Southeast of Building 880 on western edge of the north-south flightline apron		ASTs in secondary containment and an associated oil-water separator.	
Current Investigative Status: A groundwater investigation was conducted in 1999. The results from the 1999 investigation indicated that COCs in groundwater exceeded GCTLs in two monitoring wells. Additional assessment activities were conducted in February 2000. The SAR submitted in August 2000 indicated that groundwater had been impacted by VOCs. In response to the SAR, FDEP issued a Natural Attenuation Monitoring Plan Approval Order (NAMPAO). The first semi-annual monitoring event was conducted in April 2001, and the report noted increasing contaminant concentrations and recommended additional monitoring. The second semi-annual monitoring event was conducted, and the subsequent report noted a continuing increase in contaminant concentrations and recommended preparation of a RAP. FDEP concurred with that recommendation. The Navy gave approval to conduct a treatability study at this site using in-situ oxygen curtain (iSOC) technology. The iSOC system was installed and began operation in October 2002 after a baseline groundwater sampling event was conducted. The first Quarter Monitoring Report was submitted in April 2003. The Second Quarter Monitoring Report was submitted in August 2003. The third Quarter Monitoring Report was submitted in November 2003. The fourth Quarter Monitoring and Annual Treatability Study Evaluation Report, recommending that the treatability study be discontinued, was submitted to FDEP on April 9, 2004 and approved by FDEP in June 2004. The monitoring program was temporarily placed on hold. Another Treatability Study Work Plan, which recommended quarterly monitoring in conjunction with the treatment system at Building 82, was submitted on December 16, 2005. Groundwater sampling was conducted in November/December 2006, and no results exceeded GCTLs. A Technical Memorandum recommending a path forward for site closure was issued on April 27, 2007. The NAMP and an MNA Work Plan were submitted in May 2008, MNA monitoring began in July 2008, and is ongoing semi-annually. The First semi-Annual, Year 1 event was conducted in July 2008, and the associated report was submitted in November 2008. The Second Semi-Annual, Year 1 event was completed in January 2009, and the report was accepted July 16, 2009. The most recent sampling event was conducted in July 2009, and the next event is scheduled for January 2010.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
Building 502, Tank 502	West of Building 502, south of the perimeter road	Fuel oil	1,000-gallon fuel oil tank	Leaking UST was removed in 1997
Current Investigative Status: Tank 502 was removed in 1997, and a subsequent site assessment was performed by Harding Lawson Associates (HLA) in 1998 that recommended a soil source removal. The source removal was conducted in January 1999, and the contaminated soil associated with Tank 502 was removed; no free product was encountered in the excavation; and three monitoring wells were abandoned because they were within the limits of the excavation. In April 1999, a follow-up SAR (HLA, 1999) recommended that no further action be conducted with regard to soils at the site. The SAR recommended that groundwater monitoring only for natural attenuation (MONA) take place as benzene, ethyl benzene, xylenes, naphthalene, and TRPH were previously detected in excess of FDEP GCTLs. The FDEP responded in July 1999 with a Monitoring Only Plan (MOP) approval letter that required the semi-annual sampling of various monitoring wells at the site. The Supplemental SAR, which involved the re-installation of the source well (CEF-502-1SR) and sampling of the other existing monitoring wells, recommended several modifications to the monitoring program including the installation and sampling of an additional well (CEF-502-8S) and sampling of an additional existing well (CEF-502-3S). The recommendations were approved by the FDEP on August 3, 2001, and were implemented during the next semi-annual sampling event in December 2001. Because the concentrations of COCs at the source well continued to exceed the GCTLs, TtNUS recommended that semi-annual monitoring of existing wells be continued and also recommended additional characterization of the source of contamination contributing to CEF-502-1SR. This recommendation was discussed and approved at the December 2005 NAS BCT meeting. In response to the letter, TtNUS installed a total of 10 step-out soil borings in the vicinity of the source well in November 2006 for additional site characterization. During the November 2006 sampling event, total petroleum hydrocarbons (TPH) were detected in excess of the Soil Cleanup Target Level (SCTL) at soil borings CEF-502-SB06, CEF-502-SB07, CEF-502-SB09, and CEF-502-SB10. According to the Site Assessment Report Addendum, excavation in the vicinity of these soil borings was recommended. Exceedances continued to appear in the laboratory results in samples taken from the source well. The first quarter, sixth year groundwater monitoring report was submitted to the FDEP on June 21, 2007. A Dig and Haul Package was submitted on September 11, 2007, and a revised Work Plan addressing building shoring issues is pending. Excavation is not scheduled, as discussions are continuing with JAA about the best plan of action. One source area monitoring well will be reinstalled after excavation to verify absence of groundwater contamination.				
Ocala F-18 Crash Site	In Ocala National Forest approx. 82 miles south of Cecil Field and approx. 22 miles southeast of Ocala, Florida	Jet Fuel	Crashed F-18 Jet	Past releases due to crashed F-18 jet.
Current Investigative Status: In June 1994, a Navy F-18 jet crashed in the Ocala National Forest. A site assessment and initial remedial action were conducted by Bechtel Environmental, Inc. In September 1997, HLA sampled monitoring wells to evaluate the groundwater quality at the site. Following approval of MONA, HLA recommended semi-annual monitoring. HLA submitted a MONA plan to FDEP dated January 20, 1998. The MONA plan was subsequently revised to require quarterly monitoring and approved in April 1998. HLA performed quarterly groundwater monitoring from May 4, 1998, through February 22, 1999. TtNUS resumed sampling after the February 1999 sampling event. During the third year of monitoring in October 2002, TtNUS recommended preparation of a treatability study to use an innovative technology to remediate the site because the concentrations of COCs had not decreased. Instead, during a BCT meeting, members decided to continue with the monitoring instead of the treatability study, so the treatability study was not initiated at the site. Monitoring continued in April 2003, and the COCs appeared to be within milestones set by the MONA order. Therefore, continued monitoring was recommended. However, FDEP reviewed the Monitoring Only Plan Report and stated that 5 years had transpired without a decrease in COCs to concentrations less than GCTLs. The response from FDEP required an additional well directly downgradient of the source well and also required sampling, reporting, and recommendations. Considering the remoteness of the site and the need for a more refined delineation of the plume centered on well CEF-CS1A, TtNUS mobilized to the site to install three perimeter wells. Based on the new sampling data, a revised MONA was proposed with new milestone objectives for different COCs and different wells. FDEP approved the recommendation for an NAMPAO in October 2005, and semi-annual groundwater monitoring was conducted until February 2008. Based on data from this event, monitoring frequency was reduced to annual beginning with the February 2009 (Year 4) event. A supplemental soil sampling event was to be conducted in the area around the source well because February 2008 concentrations of benzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene exceeded end of Year 3 action levels specified in the NAMPAO. The Year 4 event was conducted in March 2009 and the supplemental soil sampling was conducted concurrently. The associated report for this event was accepted October 30, 2009. Year 5 sampling is scheduled for March 2010.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

Site Name	Site Location	Waste Type	Sources	Description of Activity
Tanks 81 A,B,C	Next to former locations of Building 81, near PCA 25	Gasoline	Tanks 81 A, B, C	Removal of tanks
Current Investigative Status: The 2002 SAR identified shallow groundwater contamination and concluded that soil contamination was adequately addressed by previous source removals in the area. The SAR recommended implementation of a groundwater monitoring program and groundwater use restrictions. A NAMP was signed by FDEP on October 1, 2002. The first quarterly monitoring event was conducted in January 2003, and concentrations of COCs in the intermediate well exceeded GCTLs. The associated report recommended discontinuation of the monitoring program and performance of a supplemental site assessment to determine current site groundwater conditions. FDEP approved this recommendation in February 2004, and four intermediate wells and one deep well were installed in February 2005 and included in the February 2005 quarterly sampling event. The Supplemental Site Assessment Letter Report, submitted in August 2005, recommended that additional wells be installed to delineate shallow and intermediate groundwater contamination. FDEP approved this recommendation in December 2005. Three shallow and three intermediate wells were installed and sampled in November 2006. Quarterly sampling was also conducted in February 2007 (first quarter, Year 2). Based on discussions at the May 2007 BCT Meeting, two additional shallow wells were installed and sampled as part of the second quarter, Year 2 event in June 2007. Based on sampling results from this event, preparation of a revised NAMP and continuation of the quarterly monitoring program was recommended. The revised NAMP was submitted on November 21, 2007, and quarterly monitoring is ongoing. The Fourth Quarter, Year 3, sampling event was conducted in April 2008, and the associated report was submitted in December 2008. Based on discussions during the January 2009 BCT meeting, exploratory GW DPT was conducted in March 2009. Based on that data, 6 new intermediate and deep wells were installed at the site. Following monitoring well installation, the new wells were sampled in June 2009. A UFP-SAP is being prepared for the site and will be submitted in December 2009.				
Building 271	To the west and east of Bldg 271.	Gasoline	Four USTs and 2 Oil-Water Separators (OWSs)	In O&M
Current Investigative Status: Building 271 was a former retail gasoline facility that contained four USTs and 2 OWSs. The USTs were grouped in a tank pit on the west side of Building 271 and the 2 OWSs were located on the east side of the building. In July 1999, HLA compiled a Confirmatory Sampling Report (CSR) for the USTs and the two OWSs that indicated petroleum-impacted soil was encountered at two locations relative to the USTs. The CSR concluded that the soil and groundwater were not impacted as a result of past OWS operations. Following completion of the SA Plan, CH2M Hill removed the three remaining three USTs, associated piping, and distribution systems. Groundwater samples collected following UST and soil removal indicated the presence of VOCs in the site groundwater. CH2M Hill also removed both OWSs and submitted separate Limited Closure Assessment Reports (LCAR) for each OWS in April 2001to the FDEP. Both LCARs for the OWSs indicated that no petroleum contamination of the soil or groundwater existed in the immediate areas surrounding the former OWSs. On May 23, 2001, FDEP issued letters agreeing the CH2M Hill's findings. A RAP was submitted in September 2002 to the FDEP and a RAP Addendum was submitted to the FDEP in January 2003. Air Sparging (AS) was selected as the remedial alternative. FDEP approved the RAP and RAP Addendum in February 2003. CH2M Hill installed an AS system in accordance with the RAP from September to November 2003. The AS system commenced operation on November 17, 2003. On May 24, 2005, management of on-going remedial activities at the Building 271 site was transferred from CH2M Hill to ESA. According to the Year 1, 4th quarter O&M report submitted on May 30, 2007, groundwater concentrations continue to decrease or remain non-detect. Troubleshooting was conducted and repairs were completed in February and March 2008. The system is back online, and quarterly sampling is ongoing. The most recent event was conducted in September 2009, and the associated report is pending. The next sampling event, Third Quarter 2009, is scheduled for December 2009.				

TABLE 1-2

SITE DESCRIPTION CHART
PETROLEUM PROGRAM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA

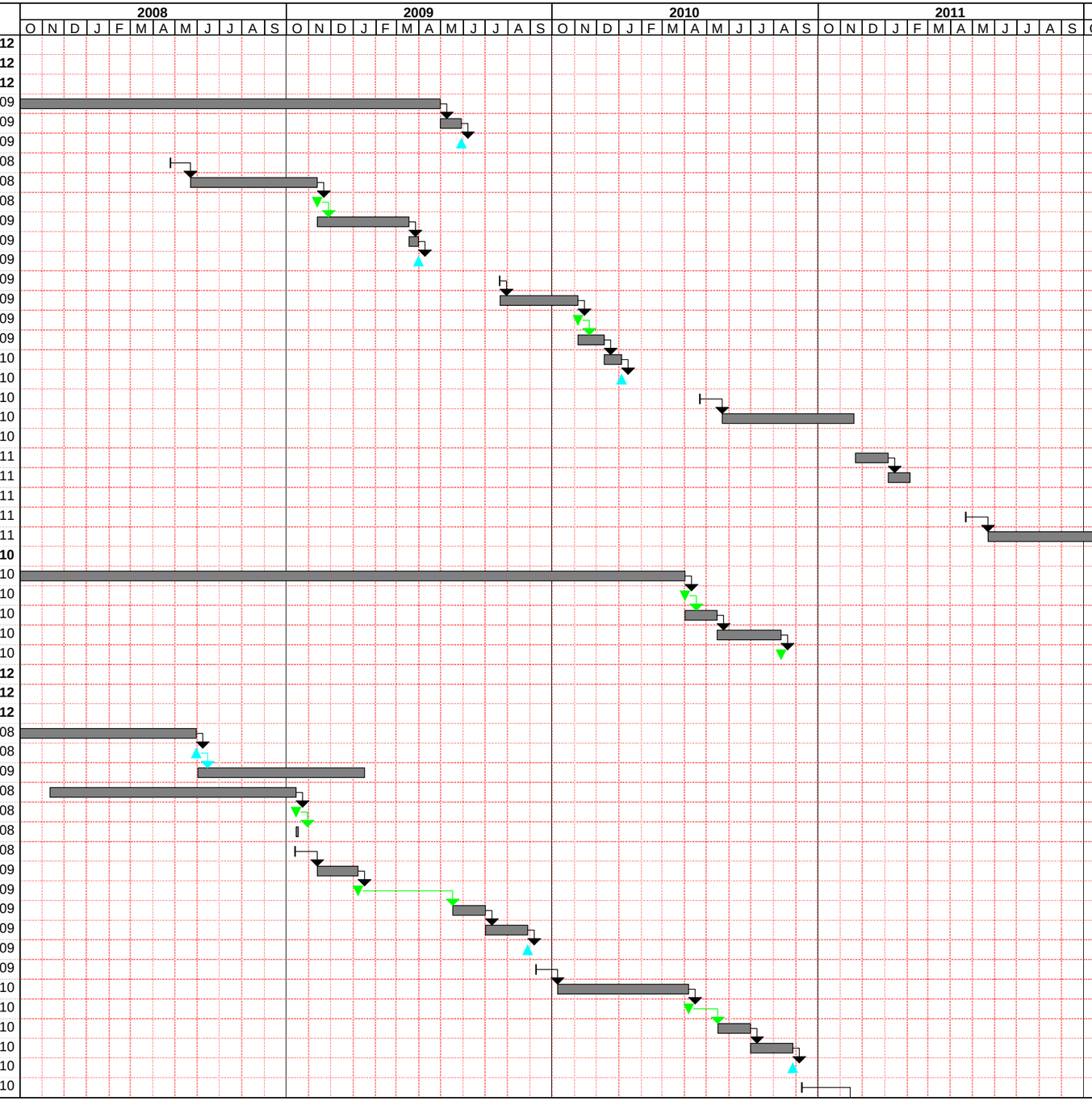
Site Name	Site Location	Waste Type	Sources	Description of Activity
Building 290A	located north of Building 290A, southeast of intersection of north-south and east-west runways	Diesel	250-gallon AST used for Standby Generator	
Current Investigative Status: A CSR Addendum recommending SRR submitted December 31, 2002. FDEP requested resubmittal in August 2003. FDEP approved proposed soil excavation for NFA on November 30, 2006. Excavation is pending. Assuming groundwater concentrations after excavation are less than GCTLs, site will be NFA. Draft Dig and Haul Package submitted May 14, 2007, and FDEP provided comments on August 31, 2007. The site was discussed during the September 2007 BCT Meeting, and additional sampling was recommended. Sampling was conducted on September 14, 2007, and a revised Dig and Haul Package was submitted on October 13, 2007. Excavation is planned for January 2010. Monitoring well will be reinstalled after excavation to verify lack of groundwater contamination. The results of confirmatory soil screening in 1998 indicated that contaminated soil was not present at the site. However, because the tank could not be taken out of service at that time, it was agreed that supplemental confirmatory sampling would be conducted when the tank was taken out of service or transferred to confirm that no releases had occurred subsequent to the original investigation. A soil investigation was conducted by TtNUS in June 2000. Replacement well CEF-290A-2SR was installed and sampled in September 2000. During the soil investigation, a soil boring located directly under the secondary containment drain had an organic vapor analyzer (OVA) reading of approximately 100 ppm at the 0- to 1-foot bgs interval. The 1- to 3- and 3- to 5-foot bgs sample intervals both had OVA readings of 20 ppm. Laboratory analytical results from the groundwater sample at this location were less than detection limits. Based on these and previous findings, TtNUS recommended No Further Action for the site. An April 5, 2002, FDEP comment letter stated that the Department could not concur with the recommendation for No Further Action because an elevated OVA-FID response was detected, possibly indicating petroleum-impacted soil. According to a Supplemental Site Assessment Letter Report dated November 9, 2006, excavation of a 10- by 13-foot area north of the tank to a depth of 2 feet was recommended. The tank was removed by Jacksonville Aviation Authority in June 2007. A Dig and Haul Package was submitted on November 16, 2007, and a revised Work Plan addressing Building 502 shoring issues is pending. Excavation is not currently scheduled, as discussions are continuing with JAA concerning the best steps forward. One source area monitoring well will be reinstalled after excavation to verify absence of groundwater contamination.				
Building 815 Wash Rack	North of Building 815, South of Building 1845		Wash Rack	
Current Investigative Status: Naphthalene contamination of groundwater was identified during the 1999 SAR for Hangar 815. A SAR for the site, now designated building 815 Wash Rack Area, was submitted in August 2000 and identified TRPH and naphthalene groundwater contamination at the site. MONA was recommended based on the results of the SAR. Semi-annual monitoring began in January 2001. Based on the results of the July 2003 sampling event and continuation of COC concentrations greater than milestone objectives, the monitoring program was discontinued and a supplemental soil assessment was conducted in January 2005. Soil contamination was not detected, and the Supplemental Soil Assessment Letter Report recommended one groundwater monitoring event and then preparation of a RAP. The site was transferred to the IRP to be addressed with Site 59, but was then transferred back to the Petroleum Program based on discussions at the September 2007 BCT Meeting. A SAR Addendum was recommended during the September 2007 BCT meeting and was submitted to FDEP on May 20, 2008. One year of quarterly monitoring as proposed in the SAR Addendum was conducted in 2008. A NAMPAO was issued on November 16, 2008. The most recent sampling event was conducted in July 2009, and the report is pending. After one year of quarterly monitoring, sampling frequency changed to semi-annual. The next sampling event will be the First Semi-Annual sampling, Year 2, in January 2010.				

APPENDIX A

INSTALLATION RESTORATION PROGRAM SCHEDULE

INSTALLATION RESTORATION PROGRAM SCHEDULE - NAS CECIL FIELD - OCTOBER 2009

SWMU	Task Name	Duration	Start	Finish
	OPERABLE UNIT 1	**5253 days**	**Mon 9/15/97**	**Wed 2/1/12**
1 & 2	**SITE 1 (Old Landfill) & SITE 2 (New Landfill)**	**5253 days**	**Mon 9/15/97**	**Wed 2/1/12**
	Long-Term Monitoring	**5253 days**	**Mon 9/15/97**	**Wed 2/1/12**
	Regulatory Review	581 days	Fri 9/28/07	Thu 4/30/09
	Prepare Final Annual LTMR - Year 10	29 days	Fri 5/1/09	Fri 5/29/09
	Submit Final Annual LTMR - Year 10	0 days	Fri 5/29/09	Fri 5/29/09
	Groundwater Sampling - Annual Year 11	1 day	Fri 4/25/08	Fri 4/25/08
	Prepare Draft Annual LTMR - Year 11	174 days	Fri 5/23/08	Wed 11/12/08
	Submit Draft Annual LTMR - Year 11	0 days	Wed 11/12/08	Wed 11/12/08
	Regulatory Review	126 days	Thu 11/13/08	Wed 3/18/09
	Prepare Final Annual LTMR - Year 11	13 days	Thu 3/19/09	Tue 3/31/09
	Submit Final Annual LTMR - Year 11	0 days	Tue 3/31/09	Tue 3/31/09
	Groundwater Sampling - Annual Year 12	1 day	Tue 7/21/09	Tue 7/21/09
	Prepare Draft Annual LTMR - Year 12	107 days	Wed 7/22/09	Thu 11/5/09
	Submit Draft Annual LTMR - Year 12	0 days	Thu 11/5/09	Thu 11/5/09
	Regulatory Review	36 days	Fri 11/6/09	Fri 12/11/09
	Prepare Final Annual LTMR - Year 12	24 days	Sat 12/12/09	Mon 1/4/10
	Submit Final Annual LTMR - Year 12	0 days	Mon 1/4/10	Mon 1/4/10
	Groundwater Sampling - Annual Year 13	1 day	Thu 4/22/10	Thu 4/22/10
	Prepare Draft Annual LTMR - Year 13	181 days	Sun 5/23/10	Fri 11/19/10
	Submit Draft Annual LTMR - Year 13	0 days	Fri 11/19/10	Fri 11/19/10
	Regulatory Review	45 days	Mon 11/22/10	Wed 1/5/11
	Prepare Final Annual LTMR - Year 13	30 days	Thu 1/6/11	Fri 2/4/11
	Submit Final Annual LTMR - Year 13	0 days	Fri 2/4/11	Fri 2/4/11
	Groundwater Sampling - Annual Year 14	1 day	Fri 4/22/11	Fri 4/22/11
	Prepare Draft Annual LTMR - Year 14	180 days	Mon 5/23/11	Fri 11/18/11
	Decision Documents	**3632 days**	**Fri 9/1/00**	**Wed 8/11/10**
	Prepare Draft NFA Tech Memo	1145 days	Mon 2/12/07	Thu 4/1/10
	Submit Draft NFA Tech Memo	0 days	Thu 4/1/10	Thu 4/1/10
	Regulatory Approval	44 days	Fri 4/2/10	Sat 5/15/10
	Prepare Final NFA Tech Memo	88 days	Sun 5/16/10	Wed 8/11/10
	Submit Final NFA Tech Memo	0 days	Wed 8/11/10	Wed 8/11/10
	OPERABLE UNIT 2	**5588 days**	**Thu 5/15/97**	**Fri 8/31/12**
5	**SITE 5 - Old Disposal Area Northwest**	**5527 days**	**Tue 6/3/97**	**Fri 7/20/12**
	Long-Term Monitoring	**5314 days**	**Fri 1/2/98**	**Fri 7/20/12**
	Prepare Annual GWMR - Year 9	428 days	Fri 3/30/07	Fri 5/30/08
	Submit Annual GWMR - Year 9	0 days	Fri 5/30/08	Fri 5/30/08
	Regulatory Review	229 days	Mon 6/2/08	Fri 1/16/09
	Prepare Annual GWMR - Year 10	338 days	Mon 11/12/07	Tue 10/14/08
	Submit Annual GWMR - Year 10	0 days	Tue 10/14/08	Tue 10/14/08
	Regulatory Review	3 days	Wed 10/15/08	Fri 10/17/08
	Groundwater Sampling - Annual Year 11	1 day	Mon 10/13/08	Mon 10/13/08
	Prepare Draft Annual GWMR - Year 11	56 days	Thu 11/13/08	Wed 1/7/09
	Submit Draft Annual GWMR - Year 11	0 days	Wed 1/7/09	Wed 1/7/09
	Regulatory Review	45 days	Mon 5/18/09	Wed 7/1/09
	Prepare Final Annual GWMR - Year 11	58 days	Thu 7/2/09	Fri 8/28/09
	Submit Final Annual GWMR - Year 11	0 days	Fri 8/28/09	Fri 8/28/09
	Groundwater Sampling - Annual Year 12	1 day	Wed 9/9/09	Wed 9/9/09
	Prepare Draft Annual GWMR - Year 12	180 days	Fri 10/9/09	Tue 4/6/10
	Submit Draft Annual GWMR - Year 12	0 days	Tue 4/6/10	Tue 4/6/10
	Regulatory Review	45 days	Mon 5/17/10	Wed 6/30/10
	Prepare Final Annual GWMR - Year 12	58 days	Thu 7/1/10	Fri 8/27/10
	Submit Final Annual GWMR - Year 12	0 days	Fri 8/27/10	Fri 8/27/10
	Groundwater Sampling - Annual Year 13	1 day	Thu 9/9/10	Thu 9/9/10



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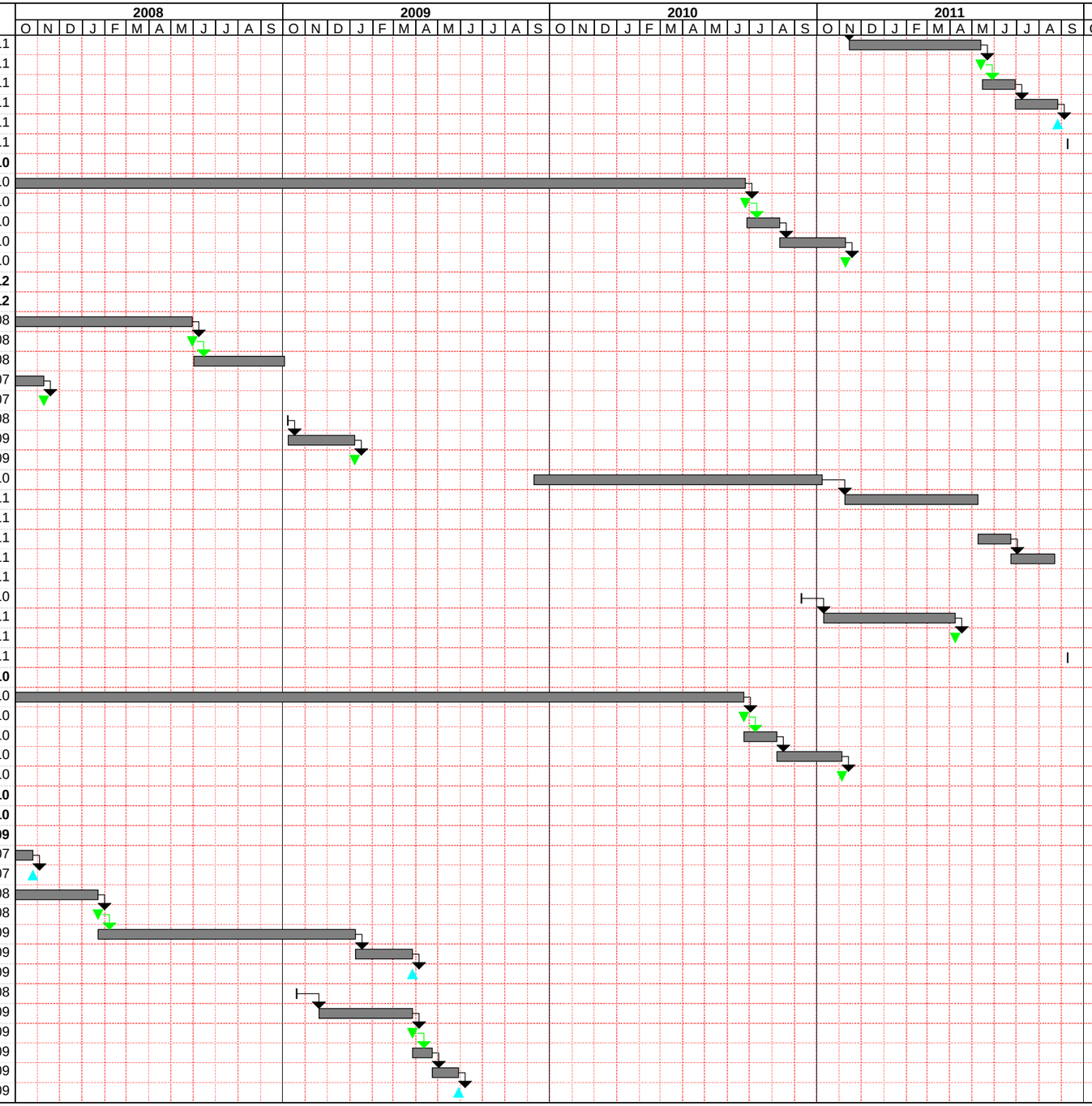
SWMU	Task Name	Duration	Start	Finish
	Prepare Draft Annual GWMR - Year 13	180 days	Mon 11/15/10	Fri 5/13/11
	Submit Draft Annual GWMR - Year 13	0 days	Fri 5/13/11	Fri 5/13/11
	Regulatory Review	45 days	Mon 5/16/11	Wed 6/29/11
	Prepare Final Annual GWMR - Year 13	58 days	Thu 6/30/11	Fri 8/26/11
	Submit Final Annual GWMR - Year 13	0 days	Fri 8/26/11	Fri 8/26/11
	Groundwater Sampling - Annual Year 14	1 day	Fri 9/9/11	Fri 9/9/11
	Decision Documents	**4180 days**	**Tue 6/1/99**	**Tue 11/9/10**
	Prepare Draft NFA Tech Memo	1230 days	Mon 2/12/07	Fri 6/25/10
	Submit Draft NFA Tech Memo	0 days	Fri 6/25/10	Fri 6/25/10
	Regulatory Approval	45 days	Mon 6/28/10	Wed 8/11/10
	Prepare Final NFA Tech Memo	90 days	Thu 8/12/10	Tue 11/9/10
	Submit Final NFA Tech Memo	0 days	Tue 11/9/10	Tue 11/9/10
17	**Site 17 - Oil/Sludge Disposal Pit Southwest**	**5588 days**	**Thu 5/15/97**	**Fri 8/31/12**
	Long-Term Monitoring	**5588 days**	**Thu 5/15/97**	**Fri 8/31/12**
	Prepare Draft Annual GWMR - Year 10	459 days	Tue 2/27/07	Fri 5/30/08
	Submit Draft Annual GWMR - Year 10	0 days	Fri 5/30/08	Fri 5/30/08
	Regulatory Review	124 days	Mon 6/2/08	Fri 10/3/08
	Prepare Draft Annual GWMR Presentation - Year 11	110 days	Mon 7/23/07	Fri 11/9/07
	Submit Draft Annual GWMR Presentation - Year 11	0 days	Fri 11/9/07	Fri 11/9/07
	Groundwater Sampling - Annual Year 12	1 day	Wed 10/8/08	Wed 10/8/08
	Prepare Draft Annual GWMR Presentation - Year 12	91 days	Thu 10/9/08	Wed 1/7/09
	Submit Draft Annual GWMR Presentation - Year 12	0 days	Wed 1/7/09	Wed 1/7/09
	Groundwater Sampling - Annual Year 13	394 days	Thu 9/10/09	Fri 10/8/10
	Prepare Draft Annual GWMR - Year 13	182 days	Tue 11/9/10	Mon 5/9/11
	Submit Draft Annual GWMR - Year 13	0 days	Mon 5/9/11	Mon 5/9/11
	Regulatory Review	45 days	Tue 5/10/11	Thu 6/23/11
	Prepare Final Annual GWMR - Year 13	60 days	Fri 6/24/11	Mon 8/22/11
	Submit Final Annual GWMR - Year 13	0 days	Mon 8/22/11	Mon 8/22/11
	Groundwater Sampling - Annual Year 14	1 day	Fri 9/10/10	Fri 9/10/10
	Prepare Draft Annual GWMR - Year 14	180 days	Mon 10/11/10	Fri 4/8/11
	Submit Draft Annual GWMR - Year 14	0 days	Fri 4/8/11	Fri 4/8/11
	Groundwater Sampling - Annual Year 15	1 day	Fri 9/9/11	Fri 9/9/11
	Decision Documents	**3748 days**	**Tue 8/1/00**	**Thu 11/4/10**
	Prepare Draft NFA Tech Memo	1228 days	Mon 2/12/07	Wed 6/23/10
	Submit Draft NFA Tech Memo	0 days	Wed 6/23/10	Wed 6/23/10
	Regulatory Approval	45 days	Thu 6/24/10	Sat 8/7/10
	Prepare Final NFA Tech Memo	89 days	Sun 8/8/10	Thu 11/4/10
	Submit Final NFA Tech Memo	0 days	Thu 11/4/10	Thu 11/4/10
	OPERABLE UNIT 3	**4794 days**	**Wed 1/15/97**	**Mon 3/1/10**
8	**SITE 8 - Boresite Range/Hazardous Waste Storage/Firefighter Training**	**4474 days**	**Mon 12/1/97**	**Mon 3/1/10**
	Long-Term Monitoring	**3941 days**	**Sat 8/15/98**	**Fri 5/29/09**
	Prepare Final Annual GWMR - Year 9	76 days	Sat 8/11/07	Thu 10/25/07
	Submit Final Annual GWMR - Year 9	0 days	Thu 10/25/07	Thu 10/25/07
	Prepare Draft Annual GWMR - Year 10	159 days	Fri 8/17/07	Tue 1/22/08
	Submit Draft Annual GWMR - Year 10	0 days	Tue 1/22/08	Tue 1/22/08
	Regulatory Review	352 days	Wed 1/23/08	Thu 1/8/09
	Prepare Final Annual GWMR - Year 10	78 days	Fri 1/9/09	Fri 3/27/09
	Submit Final Annual GWMR - Year 10	0 days	Fri 3/27/09	Fri 3/27/09
	Groundwater Sampling - Annual Year 11	1 day	Mon 10/20/08	Mon 10/20/08
	Prepare Draft Annual GWMR - Year 11	128 days	Thu 11/20/08	Fri 3/27/09
	Submit Draft Annual GWMR - Year 11	0 days	Fri 3/27/09	Fri 3/27/09
	Regulatory Review	27 days	Sat 3/28/09	Thu 4/23/09
	Prepare Final Annual GWMR - Year 11	36 days	Fri 4/24/09	Fri 5/29/09
	Submit Final Annual GWMR - Year 11	0 days	Fri 5/29/09	Fri 5/29/09



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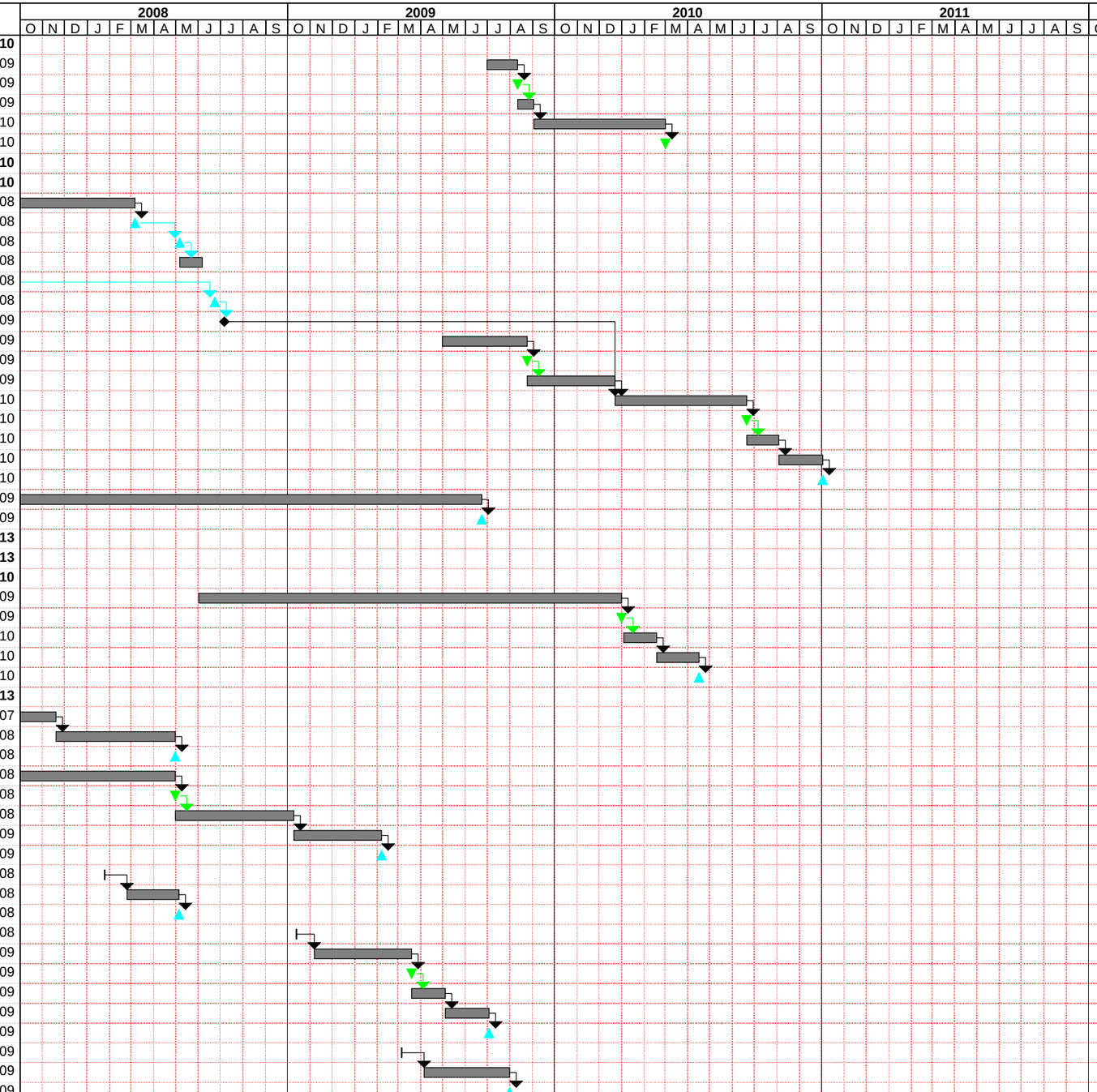
SWMU	Task Name	Duration	Start	Finish
	Decision Documents	**2486 days**	**Mon 5/12/03**	**Mon 3/1/10**
	Prepare Draft Close Out Report	42 days	Wed 7/1/09	Tue 8/11/09
	Submit Draft Close Out Report	0 days	Tue 8/11/09	Tue 8/11/09
	Regulatory Review	22 days	Wed 8/12/09	Wed 9/2/09
	Prepare Final Close Out Report	180 days	Thu 9/3/09	Mon 3/1/10
	Submit Final Close Out Report	0 days	Mon 3/1/10	Mon 3/1/10
	OPERABLE UNIT 5	**5101 days**	**Tue 10/15/96**	**Sat 10/2/10**
15	**SITE 15 - Blue 10 Ordnance Area**	**4192 days**	**Mon 4/12/99**	**Sat 10/2/10**
	Regulatory Review and Comment Resolution	273 days	Fri 6/8/07	Thu 3/6/08
	Prepare Final ROD	61 days	Fri 3/7/08	Tue 5/6/08
	Submit Final ROD	0 days	Tue 5/6/08	Tue 5/6/08
	Regulatory Approval	31 days	Wed 5/7/08	Fri 6/6/08
	Prepare Final Remedial Design (Soil)	278 days	Thu 9/20/07	Mon 6/23/08
	Submit Final Remedial Design (Soil)	0 days	Mon 6/23/08	Mon 6/23/08
	Remedial Action	264 days	Mon 7/7/08	Fri 3/27/09
	Prepare Draft Construction Completion Report	116 days	Fri 5/1/09	Mon 8/24/09
	Submit Draft Construction Completion Report	0 days	Mon 8/24/09	Mon 8/24/09
	Regulatory Review	120 days	Tue 8/25/09	Tue 12/22/09
	Prepare Draft Interim Remedial Action Report	180 days	Wed 12/23/09	Sun 6/20/10
	Submit Draft Interim Remedial Action Report	0 days	Sun 6/20/10	Sun 6/20/10
	Regulatory Review	44 days	Mon 6/21/10	Tue 8/3/10
	Prepare Final Interim Remedial Action Report	60 days	Wed 8/4/10	Sat 10/2/10
	Submit Final Interim Remedial Action Report	0 days	Sat 10/2/10	Sat 10/2/10
	Prepare Final LUC RD	716 days	Mon 7/9/07	Tue 6/23/09
	Submit Final LUC RD	0 days	Tue 6/23/09	Tue 6/23/09
	OPERABLE UNIT 7	**6049 days**	**Tue 10/1/96**	**Tue 4/23/13**
16	**SITE 16 (AIMD Seepage Pit/NDI Holding Tank)**	**6049 days**	**Tue 10/1/96**	**Tue 4/23/13**
	Decision Documents	**4946 days**	**Tue 10/1/96**	**Fri 4/16/10**
	Prepare Draft Pilot Study Report	578 days	Mon 6/2/08	Thu 12/31/09
	Submit Draft Pilot Study Report	0 days	Thu 12/31/09	Thu 12/31/09
	Regulatory Review	45 days	Mon 1/4/10	Wed 2/17/10
	Prepare Final Pilot Study Report	58 days	Thu 2/18/10	Fri 4/16/10
	Submit Final Pilot Study Report	0 days	Fri 4/16/10	Fri 4/16/10
	Long-Term Monitoring	**5363 days**	**Tue 8/18/98**	**Tue 4/23/13**
	Regulatory Review	295 days	Mon 1/29/07	Mon 11/19/07
	Prepare Final Annual GWMR - Year 8	163 days	Tue 11/20/07	Wed 4/30/08
	Submit Final Annual GWMR - Year 8	0 days	Wed 4/30/08	Wed 4/30/08
	Prepare Draft Annual GWMR - Year 9	248 days	Mon 8/27/07	Wed 4/30/08
	Submit Draft Annual GWMR - Year 9	0 days	Wed 4/30/08	Wed 4/30/08
	Regulatory Review	162 days	Thu 5/1/08	Thu 10/9/08
	Prepare Final Annual GWMR - Year 9	120 days	Fri 10/10/08	Fri 2/6/09
	Submit Final Annual GWMR - Year 9	0 days	Fri 2/6/09	Fri 2/6/09
	Groundwater Sampling - 1st SA Year 10	1 day	Fri 1/25/08	Fri 1/25/08
	Prepare GWM Presentation - 1st SA Year 10	71 days	Mon 2/25/08	Mon 5/5/08
	Submit GWM Presentation - 1st SA Year 10	0 days	Mon 5/5/08	Mon 5/5/08
	Groundwater Sampling - 2nd SA Annual Year 10	1 day	Mon 10/13/08	Mon 10/13/08
	Prepare Draft Annual GWMR - Year 10	133 days	Fri 11/7/08	Thu 3/19/09
	Submit Draft Annual GWMR - Year 10	0 days	Thu 3/19/09	Thu 3/19/09
	Regulatory Review	46 days	Fri 3/20/09	Mon 5/4/09
	Prepare Final Annual GWMR - Year 10	60 days	Tue 5/5/09	Fri 7/3/09
	Submit Final Annual GWMR - Year 10	0 days	Fri 7/3/09	Fri 7/3/09
	Groundwater Sampling - 1st SA Year 11	1 day	Fri 3/6/09	Fri 3/6/09
	Prepare GWM Presentation - 1st SA Year 11	117 days	Mon 4/6/09	Fri 7/31/09
	Submit GWM Presentation - 1st SA Year 11	0 days	Fri 7/31/09	Fri 7/31/09



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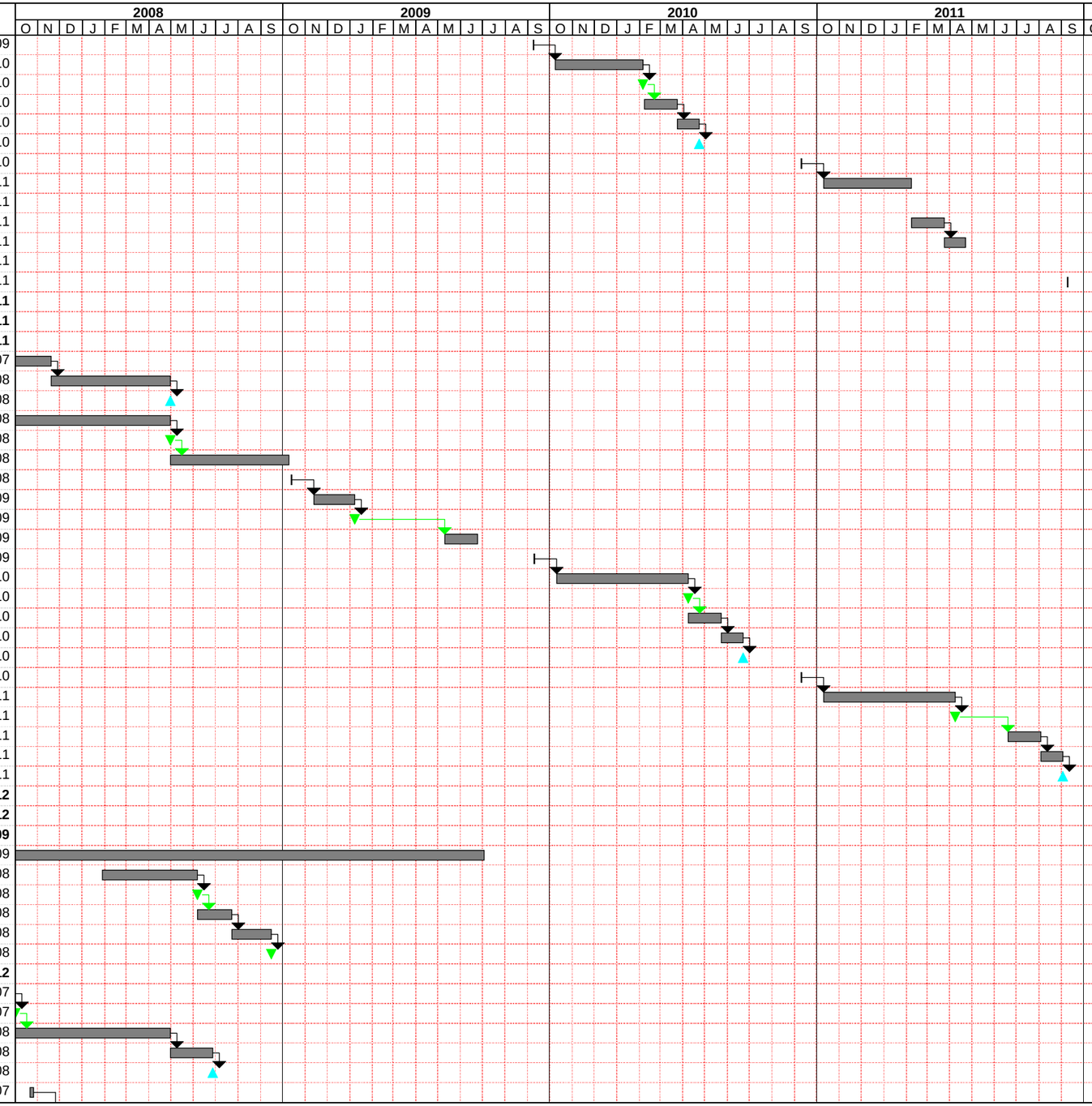
SWMU	Task Name	Duration	Start	Finish
	Groundwater Sampling - 2nd SA Annual Year 11	1 day	Wed 9/9/09	Wed 9/9/09
	Prepare Draft Annual GWMR - Year 11	120 days	Fri 10/9/09	Fri 2/5/10
	Submit Draft Annual GWMR - Year 11	0 days	Fri 2/5/10	Fri 2/5/10
	Regulatory Review	45 days	Mon 2/8/10	Wed 3/24/10
	Prepare Final Annual GWMR - Year 11	30 days	Thu 3/25/10	Fri 4/23/10
	Submit Final Annual GWMR - Year 11	0 days	Fri 4/23/10	Fri 4/23/10
	Groundwater Sampling - Annual Year 12	1 day	Fri 9/10/10	Fri 9/10/10
	Prepare Draft Annual GWMR - Year 12	120 days	Mon 10/11/10	Mon 2/7/11
	Submit Draft Annual GWMR - Year 12	0 days	Mon 2/7/11	Mon 2/7/11
	Regulatory Review	45 days	Tue 2/8/11	Thu 3/24/11
	Prepare Final Annual GWMR - Year 12	29 days	Fri 3/25/11	Fri 4/22/11
	Submit Final Annual GWMR - Year 12	0 days	Fri 4/22/11	Fri 4/22/11
	Groundwater Sampling - Annual Year 13	1 day	Fri 9/9/11	Fri 9/9/11
	OPERABLE UNIT 8	**5101 days**	**Mon 9/15/97**	**Fri 9/2/11**
3	**SITE 3 - Oil/Sludge Disposal Pit**	**5101 days**	**Mon 9/15/97**	**Fri 9/2/11**
	Long-Term Monitoring	**5101 days**	**Mon 9/15/97**	**Fri 9/2/11**
	Regulatory Review	295 days	Mon 1/29/07	Mon 11/19/07
	Prepare Final Annual GWMR - Year 8	163 days	Tue 11/20/07	Wed 4/30/08
	Submit Final Annual GWMR - Year 8	0 days	Wed 4/30/08	Wed 4/30/08
	Prepare Draft Annual GWMR - Year 9	255 days	Mon 8/20/07	Wed 4/30/08
	Submit Draft Annual GWMR - Year 9	0 days	Wed 4/30/08	Wed 4/30/08
	Regulatory Review	162 days	Thu 5/1/08	Thu 10/9/08
	Groundwater Sampling - Annual Year 10	1 day	Mon 10/13/08	Mon 10/13/08
	Prepare Annual GWMR - Year 10	56 days	Thu 11/13/08	Wed 1/7/09
	Submit Annual GWMR - Year 10	0 days	Wed 1/7/09	Wed 1/7/09
	Regulatory Review	45 days	Mon 5/11/09	Wed 6/24/09
	Groundwater Sampling - Annual Year 11	1 day	Thu 9/10/09	Thu 9/10/09
	Prepare Draft Annual GWMR - Year 11	180 days	Sun 10/11/09	Thu 4/8/10
	Submit Draft Annual GWMR - Year 11	0 days	Thu 4/8/10	Thu 4/8/10
	Regulatory Review	45 days	Fri 4/9/10	Sun 5/23/10
	Prepare Final Annual GWMR - Year 11	30 days	Mon 5/24/10	Tue 6/22/10
	Submit Final Annual GWMR - Year 11	0 days	Tue 6/22/10	Tue 6/22/10
	Groundwater Sampling - Annual Year 12	1 day	Fri 9/10/10	Fri 9/10/10
	Prepare Draft Annual GWMR - Year 12	180 days	Mon 10/11/10	Fri 4/8/11
	Submit Draft Annual GWMR - Year 12	0 days	Fri 4/8/11	Fri 4/8/11
	Regulatory Review	45 days	Mon 6/20/11	Wed 8/3/11
	Prepare Final Annual GWMR - Year 12	30 days	Thu 8/4/11	Fri 9/2/11
	Submit Final Annual GWMR - Year 12	0 days	Fri 9/2/11	Fri 9/2/11
	OPERABLE UNIT 9	**5108 days**	**Mon 10/5/98**	**Fri 9/28/12**
36 & 37	**SITES 36 & 37 - Control Towers & Hangars 13&14**	**4884 days**	**Mon 10/5/98**	**Fri 2/17/12**
	Decision Documents	**3925 days**	**Mon 10/5/98**	**Fri 7/3/09**
	GW Remedial Action System Operation	2658 days	Mon 3/25/02	Fri 7/3/09
	Prepare Draft Hot Spot 3 Tech Memo	130 days	Tue 1/29/08	Fri 6/6/08
	Submit Draft Hot Spot 3 Tech Memo	0 days	Fri 6/6/08	Fri 6/6/08
	Regulatory Review	47 days	Sat 6/7/08	Wed 7/23/08
	Prepare Final Hot Spot 3 Tech Memo	54 days	Thu 7/24/08	Mon 9/15/08
	Submit Final Hot Spot 3 Tech Memo	0 days	Mon 9/15/08	Mon 9/15/08
	Long-Term Monitoring	**4142 days**	**Mon 10/16/00**	**Fri 2/17/12**
	Prepare Draft Annual GWMR - Year 6	301 days	Tue 12/5/06	Mon 10/1/07
	Submit Draft Annual GWMR - Year 6	0 days	Mon 10/1/07	Mon 10/1/07
	Regulatory Review	212 days	Tue 10/2/07	Wed 4/30/08
	Prepare Final Annual GWMR - Year 6	58 days	Thu 5/1/08	Fri 6/27/08
	Submit Final Annual GWMR - Year 6	0 days	Fri 6/27/08	Fri 6/27/08
	Groundwater Sampling - 2nd SA Year 7	5 days	Mon 10/22/07	Fri 10/26/07



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SWMU	Task Name	Duration	Start	Finish
	Prepare Draft Annual GWMR - Year 7	159 days	Mon 11/26/07	Fri 5/2/08
	Submit Draft Annual GWMR - Year 7	0 days	Fri 5/2/08	Fri 5/2/08
	Regulatory Review	26 days	Mon 5/5/08	Fri 5/30/08
	Prepare Final Annual GWMR - Year 7	26 days	Mon 6/2/08	Fri 6/27/08
	Submit Final Annual GWMR - Year 7	0 days	Fri 6/27/08	Fri 6/27/08
	Groundwater Sampling - 1st SA Year 8	4 days	Tue 4/22/08	Fri 4/25/08
	Prepare GWM Presentation - 1st SA Year 8	51 days	Mon 5/26/08	Tue 7/15/08
	Submit GWM Presentation - 1st SA Year 8	0 days	Tue 7/15/08	Tue 7/15/08
	Groundwater Sampling - 2nd SA Year 8	4 days	Mon 10/20/08	Thu 10/23/08
	Prepare Draft Annual GWMR - Year 8	128 days	Mon 11/24/08	Tue 3/31/09
	Submit Draft Annual GWMR - Year 8	0 days	Tue 3/31/09	Tue 3/31/09
	Regulatory Review	101 days	Wed 4/1/09	Fri 7/10/09
	Prepare Final Annual GWMR - Year 8	18 days	Mon 7/13/09	Thu 7/30/09
	Submit Final Annual GWMR - Year 8	0 days	Thu 7/30/09	Thu 7/30/09
	Groundwater Sampling - 1st SA Year 9	4 days	Mon 4/6/09	Thu 4/9/09
	Prepare GWM Presentation - 1st SA Year 9	94 days	Mon 5/11/09	Wed 8/12/09
	Submit GWM Presentation - 1st SA Year 9	0 days	Wed 8/12/09	Wed 8/12/09
	Groundwater Sampling - 2nd SA Year 9	4 days	Mon 9/14/09	Thu 9/17/09
	Prepare Draft Annual GWMR - Year 9	121 days	Sun 10/18/09	Mon 2/15/10
	Submit Draft Annual GWMR - Year 9	0 days	Mon 2/15/10	Mon 2/15/10
	Regulatory Review	45 days	Mon 5/24/10	Wed 7/7/10
	Prepare Final Annual GWMR - Year 9	30 days	Thu 7/8/10	Fri 8/6/10
	Submit Final Annual GWMR - Year 9	0 days	Fri 8/6/10	Fri 8/6/10
	Groundwater Sampling - 1st Quarter Year 10 (Source)	2 days	Mon 12/7/09	Tue 12/8/09
	Prepare GWM Presentation - 1st Quarter Year 10 (Source)	32 days	Fri 1/8/10	Mon 2/8/10
	Submit GWM Presentation - 1st Quarter Year 10 (Source)	0 days	Mon 2/8/10	Mon 2/8/10
	Groundwater Sampling - 1st SA Year 10 (Site Wide)	4 days	Fri 3/5/10	Mon 3/8/10
	Prepare Draft Annual GWMR - 1st SA Year 10 (Site Wide)	30 days	Thu 4/8/10	Fri 5/7/10
	Submit Draft Annual GWMR - 1st SA Year 10 (Site Wide)	0 days	Fri 5/7/10	Fri 5/7/10
	Groundwater Sampling - 3rd Quarter Year 10 (Source)	2 days	Thu 7/15/10	Fri 7/16/10
	Prepare GWM Presentation - 3rd Quarter Year 10 (Source)	32 days	Mon 8/16/10	Thu 9/16/10
	Submit GWM Presentation - 3rd Quarter Year 10 (Source)	0 days	Thu 9/16/10	Thu 9/16/10
	Groundwater Sampling - 2nd SA Year 10 (Site Wide)	4 days	Tue 9/14/10	Fri 9/17/10
	Prepare Draft Annual GWMR - 2nd SA Year 10 (Site Wide)	47 days	Mon 10/18/10	Fri 12/3/10
	Submit Draft Annual GWMR - 2nd SA Year 10 (Site Wide)	0 days	Fri 12/3/10	Fri 12/3/10
	Regulatory Review	45 days	Mon 12/6/10	Wed 1/19/11
	Prepare Final Annual GWMR - Year 10	30 days	Thu 1/20/11	Fri 2/18/11
	Submit Final Annual GWMR - Year 10	0 days	Fri 2/18/11	Fri 2/18/11
	Groundwater Sampling - 1st Quarter Year 11 (Source)	2 days	Tue 12/7/10	Wed 12/8/10
	Prepare GWM Presentation - 1st Quarter Year 11 (Source)	32 days	Fri 1/7/11	Mon 2/7/11
	Submit GWM Presentation - 1st Quarter Year 11 (Source)	0 days	Mon 2/7/11	Mon 2/7/11
	Groundwater Sampling - 1st SA Year 11 (Site Wide)	4 days	Mon 3/7/11	Thu 3/10/11
	Prepare Draft Annual GWMR - 1st SA Year 11 (Site Wide)	30 days	Sun 4/10/11	Mon 5/9/11
	Submit Draft Annual GWMR - 1st SA Year 11 (Site Wide)	0 days	Mon 5/9/11	Mon 5/9/11
	Groundwater Sampling - 3rd Quarter Year 11 (Source)	2 days	Mon 7/18/11	Tue 7/19/11
	Prepare GWM Presentation - 3rd Quarter Year 11 (Source)	32 days	Fri 8/19/11	Mon 9/19/11
	Submit GWM Presentation - 3rd Quarter Year 11 (Source)	0 days	Mon 9/19/11	Mon 9/19/11
	Groundwater Sampling - 2nd SA Year 11 (Site Wide)	4 days	Tue 9/13/11	Fri 9/16/11
151	**SITE 57 Building 824A Long-Term Monitoring**	**2803 days**	**Wed 3/17/04**	**Fri 11/18/11**
	Long-Term Monitoring	**2803 days**	**Wed 3/17/04**	**Fri 11/18/11**
	Regulatory Review	232 days	Tue 5/29/07	Tue 1/15/08
	Prepare Final Annual GWMR - Year 4	8 days	Wed 1/16/08	Wed 1/23/08
	Submit Final Annual GWMR - Year 4	0 days	Wed 1/23/08	Wed 1/23/08
	Groundwater Sampling - 2nd SA Year 5	4 days	Mon 1/28/08	Thu 1/31/08

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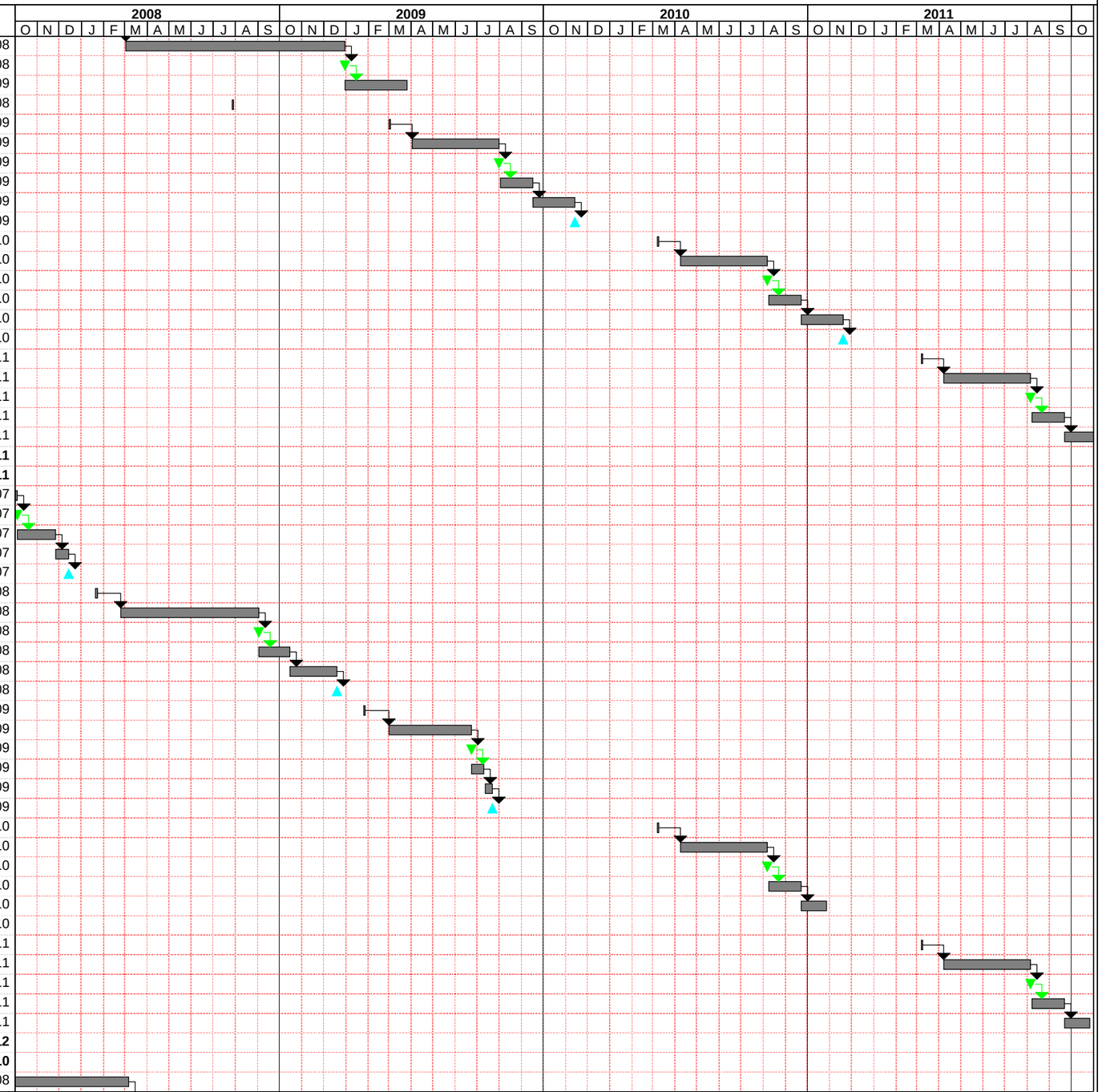
SWMU	Task Name	Duration	Start	Finish
	Prepare Draft Annual GWMR - Year 5	303 days	Mon 3/3/08	Tue 12/30/08
	Submit Draft Annual GWMR - Year 5	0 days	Tue 12/30/08	Tue 12/30/08
	Regulatory Review	86 days	Wed 12/31/08	Thu 3/26/09
	Groundwater Sampling - 1st SA Year 6	2 days	Mon 7/28/08	Tue 7/29/08
	Groundwater Sampling - 2nd SA Year 6	2 days	Mon 3/2/09	Tue 3/3/09
	Prepare Draft Annual GWMR - Year 6	120 days	Fri 4/3/09	Fri 7/31/09
	Submit Draft Annual GWMR - Year 6	0 days	Fri 7/31/09	Fri 7/31/09
	Regulatory Review	45 days	Mon 8/3/09	Wed 9/16/09
	Prepare Final Annual GWMR - Year 6	58 days	Thu 9/17/09	Fri 11/13/09
	Submit Final Annual GWMR - Year 6	0 days	Fri 11/13/09	Fri 11/13/09
	Groundwater Sampling - Annual Year 7	2 days	Mon 3/8/10	Tue 3/9/10
	Prepare Draft Annual GWMR - Year 7	120 days	Fri 4/9/10	Fri 8/6/10
	Submit Draft Annual GWMR - Year 7	0 days	Fri 8/6/10	Fri 8/6/10
	Regulatory Review	45 days	Mon 8/9/10	Wed 9/22/10
	Prepare Final Annual GWMR - Year 7	58 days	Thu 9/23/10	Fri 11/19/10
	Submit Final Annual GWMR - Year 7	0 days	Fri 11/19/10	Fri 11/19/10
	Groundwater Sampling - Annual Year 8	2 days	Tue 3/8/11	Wed 3/9/11
	Prepare Draft Annual GWMR - Year 8	120 days	Fri 4/8/11	Fri 8/5/11
	Submit Draft Annual GWMR - Year 8	0 days	Fri 8/5/11	Fri 8/5/11
	Regulatory Review	45 days	Mon 8/8/11	Wed 9/21/11
	Prepare Final Annual GWMR - Year 8	58 days	Thu 9/22/11	Fri 11/18/11
152	**SITE 58 Building 312 Long-Term Monitoring**	**2780 days**	**Wed 3/17/04**	**Wed 10/26/11**
	Long-Term Monitoring	**2780 days**	**Wed 3/17/04**	**Wed 10/26/11**
	Prepare Draft Annual GWMR - Year 4	200 days	Mon 3/19/07	Thu 10/4/07
	Submit Draft Annual GWMR - Year 4	0 days	Thu 10/4/07	Thu 10/4/07
	Regulatory Review	53 days	Fri 10/5/07	Mon 11/26/07
	Prepare Final Annual GWMR - Year 4	18 days	Tue 11/27/07	Fri 12/14/07
	Submit Final Annual GWMR - Year 4	0 days	Fri 12/14/07	Fri 12/14/07
	Groundwater Sampling - Annual Year 5	3 days	Mon 1/21/08	Wed 1/23/08
	Prepare Draft Annual GWMR - Year 5	191 days	Mon 2/25/08	Tue 9/2/08
	Submit Draft Annual GWMR - Year 5	0 days	Tue 9/2/08	Tue 9/2/08
	Regulatory Review	43 days	Wed 9/3/08	Wed 10/15/08
	Prepare Final Annual GWMR - Year 5	65 days	Thu 10/16/08	Fri 12/19/08
	Submit Final Annual GWMR - Year 5	0 days	Fri 12/19/08	Fri 12/19/08
	Groundwater Sampling - Annual Year 6	2 days	Mon 1/26/09	Tue 1/27/09
	Prepare Draft Annual GWMR - Year 6	114 days	Mon 3/2/09	Tue 6/23/09
	Submit Draft Annual GWMR - Year 6	0 days	Tue 6/23/09	Tue 6/23/09
	Regulatory Review	17 days	Wed 6/24/09	Fri 7/10/09
	Prepare Final Annual GWMR - Year 6	10 days	Mon 7/13/09	Wed 7/22/09
	Submit Final Annual GWMR - Year 6	0 days	Wed 7/22/09	Wed 7/22/09
	Groundwater Sampling - Annual Year 7	2 days	Mon 3/8/10	Tue 3/9/10
	Prepare Draft Annual GWMR - Year 7	120 days	Fri 4/9/10	Fri 8/6/10
	Submit Draft Annual GWMR - Year 7	0 days	Fri 8/6/10	Fri 8/6/10
	Regulatory Review	45 days	Mon 8/9/10	Wed 9/22/10
	Prepare Final Annual GWMR - Year 7	35 days	Thu 9/23/10	Wed 10/27/10
	Submit Final Annual GWMR - Year 7	0 days	Wed 10/27/10	Wed 10/27/10
	Groundwater Sampling - Annual Year 8	2 days	Tue 3/8/11	Wed 3/9/11
	Prepare Draft Annual GWMR - Year 8	120 days	Fri 4/8/11	Fri 8/5/11
	Submit Draft Annual GWMR - Year 8	0 days	Fri 8/5/11	Fri 8/5/11
	Regulatory Review	45 days	Mon 8/8/11	Wed 9/21/11
	Prepare Final Annual GWMR - Year 8	35 days	Thu 9/22/11	Wed 10/26/11
152	**SITE 59 Building 324/1845**	**3190 days**	**Mon 1/5/04**	**Fri 9/28/12**
	Decision Documents	**2221 days**	**Mon 1/5/04**	**Tue 2/2/10**
	Regulatory Review and Comment Resolution	339 days	Tue 4/3/07	Thu 3/6/08



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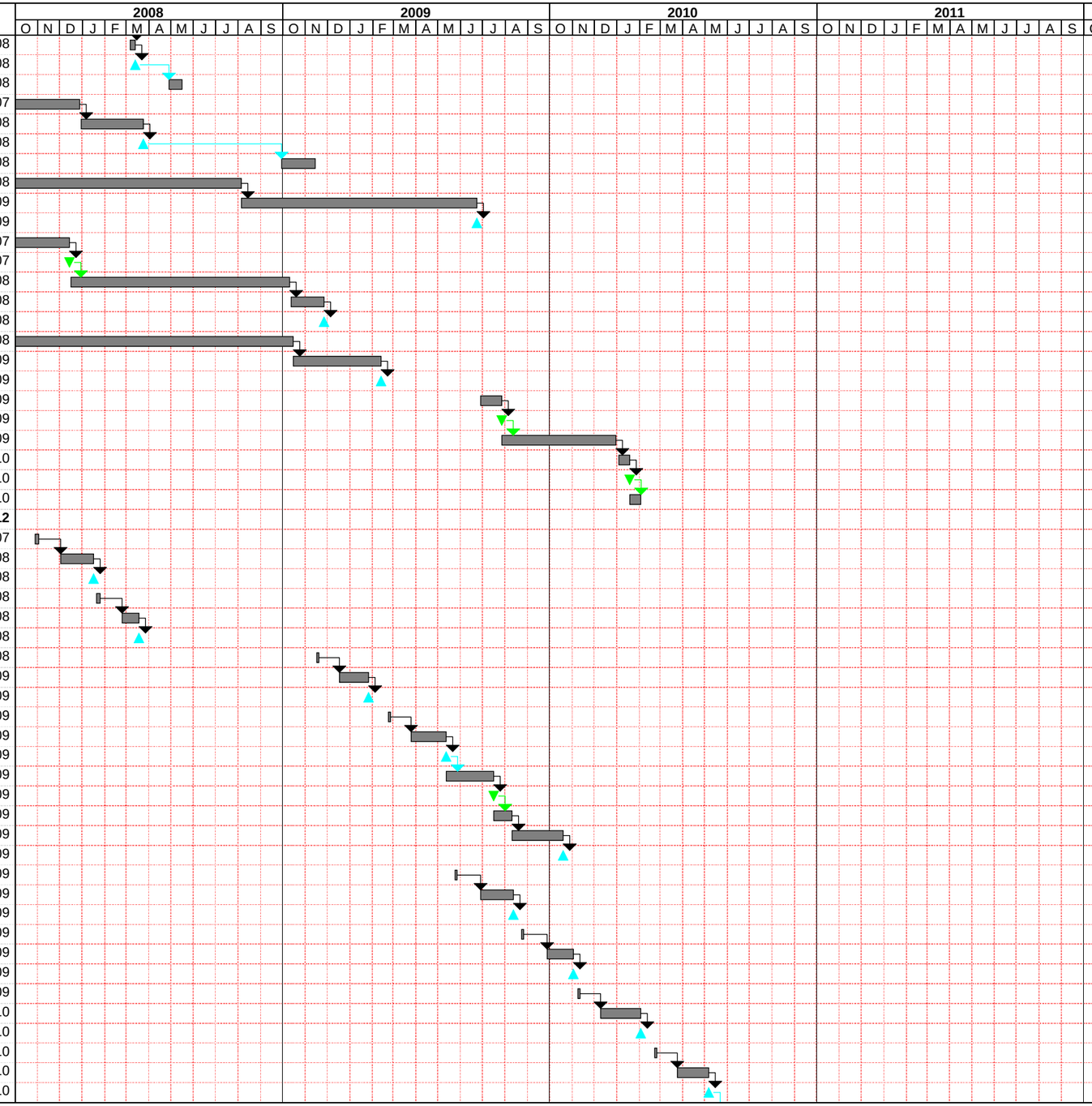
SWMU	Task Name	Duration	Start	Finish
	Prepare Final ROD	7 days	Fri 3/7/08	Thu 3/13/08
	Submit Final ROD	0 days	Thu 3/13/08	Thu 3/13/08
	Regulatory Approval	18 days	Tue 4/29/08	Fri 5/16/08
	Regulatory Review	290 days	Wed 3/14/07	Fri 12/28/07
	Prepare Final Remedial Design	85 days	Mon 12/31/07	Mon 3/24/08
	Submit Final Remedial Design	0 days	Mon 3/24/08	Mon 3/24/08
	Remedial Action	46 days	Tue 9/30/08	Fri 11/14/08
	Regulatory Review	485 days	Mon 4/9/07	Tue 8/5/08
	Prepare Final LUC RD	322 days	Wed 8/6/08	Tue 6/23/09
	Submit Final LUC RD	0 days	Tue 6/23/09	Tue 6/23/09
	Prepare Draft Pilot Study Report	75 days	Mon 10/1/07	Fri 12/14/07
	Submit Draft Pilot Study Report	0 days	Fri 12/14/07	Fri 12/14/07
	Regulatory Review	299 days	Mon 12/17/07	Fri 10/10/08
	Prepare Final Pilot Study Report	45 days	Mon 10/13/08	Wed 11/26/08
	Submit Final Pilot Study Report	0 days	Wed 11/26/08	Wed 11/26/08
	Regulatory Review	398 days	Fri 9/14/07	Wed 10/15/08
	Prepare Final Remedial Action Work Plan	120 days	Thu 10/16/08	Thu 2/12/09
	Submit Final Remedial Action Work Plan	0 days	Thu 2/12/09	Thu 2/12/09
	Prepare Draft OPS Report	29 days	Mon 6/29/09	Mon 7/27/09
	Submit Draft OPS Report	0 days	Mon 7/27/09	Mon 7/27/09
	Regulatory Review & Comment Resolution	156 days	Tue 7/28/09	Wed 12/30/09
	Prepare Final OPS Report	15 days	Mon 1/4/10	Mon 1/18/10
	Submit Final OPS Report	0 days	Mon 1/18/10	Mon 1/18/10
	Regulatory Approval	15 days	Tue 1/19/10	Tue 2/2/10
	Long-Term Monitoring	**1797 days**	**Mon 10/29/07**	**Fri 9/28/12**
	Groundwater Sampling - 1st Q Year 1	5 days	Mon 10/29/07	Fri 11/2/07
	Prepare GWM Presentation - 1st Q Year 1	45 days	Mon 12/3/07	Wed 1/16/08
	Submit GWM Presentation - 1st Q Year 1	0 days	Wed 1/16/08	Wed 1/16/08
	Groundwater Sampling - 2nd Q Year 1	5 days	Mon 1/21/08	Fri 1/25/08
	Prepare GWM Presentation - 2nd Q Year 1	23 days	Mon 2/25/08	Tue 3/18/08
	Submit GWM Presentation - 2nd Q Year 1	0 days	Tue 3/18/08	Tue 3/18/08
	Groundwater Sampling - 3rd Q Year 1	3 days	Mon 11/17/08	Wed 11/19/08
	Prepare GWM Presentation - 3rd Q Year 1	40 days	Thu 12/18/08	Mon 1/26/09
	Submit GWM Presentation - 3rd Q Year 1	0 days	Mon 1/26/09	Mon 1/26/09
	Groundwater Sampling - 4th Q Year 1	3 days	Mon 2/23/09	Wed 2/25/09
	Prepare GWM Presentation - 4th Q Year 1	48 days	Thu 3/26/09	Tue 5/12/09
	Submit GWM Presentation - 4th Q Year 1	0 days	Tue 5/12/09	Tue 5/12/09
	Prepare Draft Annual GWMR - Year 1	65 days	Wed 5/13/09	Thu 7/16/09
	Submit Draft Annual GWMR - Year 1	0 days	Thu 7/16/09	Thu 7/16/09
	Regulatory Review	25 days	Fri 7/17/09	Mon 8/10/09
	Prepare Final Annual GWMR - Year 1	70 days	Tue 8/11/09	Mon 10/19/09
	Submit Final Annual GWMR - Year 1	0 days	Mon 10/19/09	Mon 10/19/09
	Groundwater Sampling - 1st Q Year 2	3 days	Mon 5/25/09	Wed 5/27/09
	Prepare GWM Presentation - 1st Q Year 2	45 days	Mon 6/29/09	Wed 8/12/09
	Submit GWM Presentation - 1st Q Year 2	0 days	Wed 8/12/09	Wed 8/12/09
	Groundwater Sampling - 2nd Q Year 2	3 days	Mon 8/24/09	Wed 8/26/09
	Prepare GWM Presentation - 2nd Q Year 2	36 days	Mon 9/28/09	Mon 11/2/09
	Submit GWM Presentation - 2nd Q Year 2	0 days	Mon 11/2/09	Mon 11/2/09
	Groundwater Sampling - 3rd Q Year 2	3 days	Mon 11/9/09	Wed 11/11/09
	Prepare GWM Presentation - 3rd Q Year 2	55 days	Thu 12/10/09	Tue 2/2/10
	Submit GWM Presentation - 3rd Q Year 2	0 days	Tue 2/2/10	Tue 2/2/10
	Groundwater Sampling - 4th Q Year 2	3 days	Mon 2/22/10	Wed 2/24/10
	Prepare GWM Presentation - 4th Q Year 2	43 days	Thu 3/25/10	Thu 5/6/10
	Submit GWM Presentation - 4th Q Year 2	0 days	Thu 5/6/10	Thu 5/6/10



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SWMU	Task Name	Duration	Start	Finish
	Prepare Draft Annual GWMR - Year 2	73 days	Fri 5/7/10	Sun 7/18/10
	Submit Draft Annual GWMR - Year 2	0 days	Sun 7/18/10	Sun 7/18/10
	Regulatory Review	45 days	Mon 7/19/10	Wed 9/1/10
	Prepare Final Annual GWMR - Year 2	30 days	Thu 9/2/10	Fri 10/1/10
	Submit Final Annual GWMR - Year 2	0 days	Fri 10/1/10	Fri 10/1/10
	Groundwater Sampling - 1st Q Year 3	3 days	Tue 5/25/10	Thu 5/27/10
	Prepare GWM Presentation - 1st Q Year 3	45 days	Tue 6/29/10	Thu 8/12/10
	Submit GWM Presentation - 1st Q Year 3	0 days	Thu 8/12/10	Thu 8/12/10
	Groundwater Sampling - 2nd Q Year 3	3 days	Tue 8/24/10	Thu 8/26/10
	Prepare GWM Presentation - 2nd Q Year 3	36 days	Tue 9/28/10	Tue 11/2/10
	Submit GWM Presentation - 2nd Q Year 3	0 days	Tue 11/2/10	Tue 11/2/10
	Groundwater Sampling - 3rd Q Year 3	3 days	Tue 11/9/10	Thu 11/11/10
	Prepare GWM Presentation - 3rd Q Year 3	55 days	Fri 12/10/10	Wed 2/2/11
	Submit GWM Presentation - 3rd Q Year 3	0 days	Wed 2/2/11	Wed 2/2/11
	Groundwater Sampling - 4th Q Year 3	3 days	Mon 2/21/11	Wed 2/23/11
	Prepare GWM Presentation - 4th Q Year 3	43 days	Thu 3/24/11	Thu 5/5/11
	Submit GWM Presentation - 4th Q Year 3	0 days	Thu 5/5/11	Thu 5/5/11
	Prepare Draft Annual GWMR - Year 3	71 days	Fri 5/6/11	Fri 7/15/11
	Submit Draft Annual GWMR - Year 3	0 days	Fri 7/15/11	Fri 7/15/11
	Regulatory Review	45 days	Mon 7/18/11	Wed 8/31/11
	Prepare Final Annual GWMR - Year 3	30 days	Thu 9/1/11	Fri 9/30/11
	Submit Final Annual GWMR - Year 3	0 days	Fri 9/30/11	Fri 9/30/11
	Groundwater Sampling - 1st Q Year 4	3 days	Wed 5/25/11	Fri 5/27/11
	Prepare GWM Presentation - 1st Q Year 4	45 days	Wed 6/29/11	Fri 8/12/11
	Submit GWM Presentation - 1st Q Year 4	0 days	Fri 8/12/11	Fri 8/12/11
	Groundwater Sampling - 2nd Q Year 4	3 days	Wed 8/24/11	Fri 8/26/11
	Prepare GWM Presentation - 2nd Q Year 4	36 days	Wed 9/28/11	Wed 11/2/11
	OPERABLE UNIT 10	**4793 days**	**Tue 4/13/99**	**Sat 5/26/12**
21	**SITE 21 Golf Course Pesticide Mixing Area**	**4791 days**	**Thu 4/15/99**	**Sat 5/26/12**
	Decision Documents	**4319 days**	**Thu 4/15/99**	**Wed 2/9/11**
	Regulatory Review and Comment Resolution	1278 days	Tue 12/26/06	Fri 6/25/10
	Prepare Final NFA Tech Memo	89 days	Mon 6/28/10	Fri 9/24/10
	Submit Final NFA Tech Memo	0 days	Fri 9/24/10	Fri 9/24/10
	Prepare Draft Close Out Report	60 days	Mon 9/27/10	Thu 11/25/10
	Submit Draft Close Out Report	0 days	Thu 11/25/10	Thu 11/25/10
	Regulatory Review	46 days	Fri 11/26/10	Mon 1/10/11
	Prepare Final Close Out Report	30 days	Tue 1/11/11	Wed 2/9/11
	Submit Final Close Out Report	0 days	Wed 2/9/11	Wed 2/9/11
	Long-Term Monitoring	**3708 days**	**Tue 4/2/02**	**Sat 5/26/12**
	Prepare Final Annual GWMR - Year 5	73 days	Tue 8/14/07	Thu 10/25/07
	Submit Final Annual GWMR - Year 5	0 days	Thu 10/25/07	Thu 10/25/07
	Prepare Draft Annual GWMR - Year 6	149 days	Mon 8/27/07	Tue 1/22/08
	Submit Draft Annual GWMR - Year 6	0 days	Tue 1/22/08	Tue 1/22/08
	Regulatory Review	400 days	Wed 1/23/08	Wed 2/25/09
	Prepare Final Annual GWMR - Year 6	58 days	Thu 2/26/09	Fri 4/24/09
	Submit Final Annual GWMR - Year 6	0 days	Fri 4/24/09	Fri 4/24/09
	Groundwater Sampling - Annual Year 7	1 day	Tue 7/29/08	Tue 7/29/08
	Prepare Draft Annual GWMR - Year 7	213 days	Wed 8/27/08	Fri 3/27/09
	Submit Draft Annual GWMR - Year 7	0 days	Fri 3/27/09	Fri 3/27/09
	Regulatory Review	24 days	Mon 3/30/09	Wed 4/22/09
	Groundwater Sampling - Annual Year 8	1 day	Mon 9/14/09	Mon 9/14/09
	Prepare Draft Annual GWMR - Year 8	120 days	Thu 10/15/09	Thu 2/11/10
	Submit Draft Annual GWMR - Year 8	0 days	Thu 2/11/10	Thu 2/11/10
	Regulatory Review	45 days	Mon 2/22/10	Wed 4/7/10

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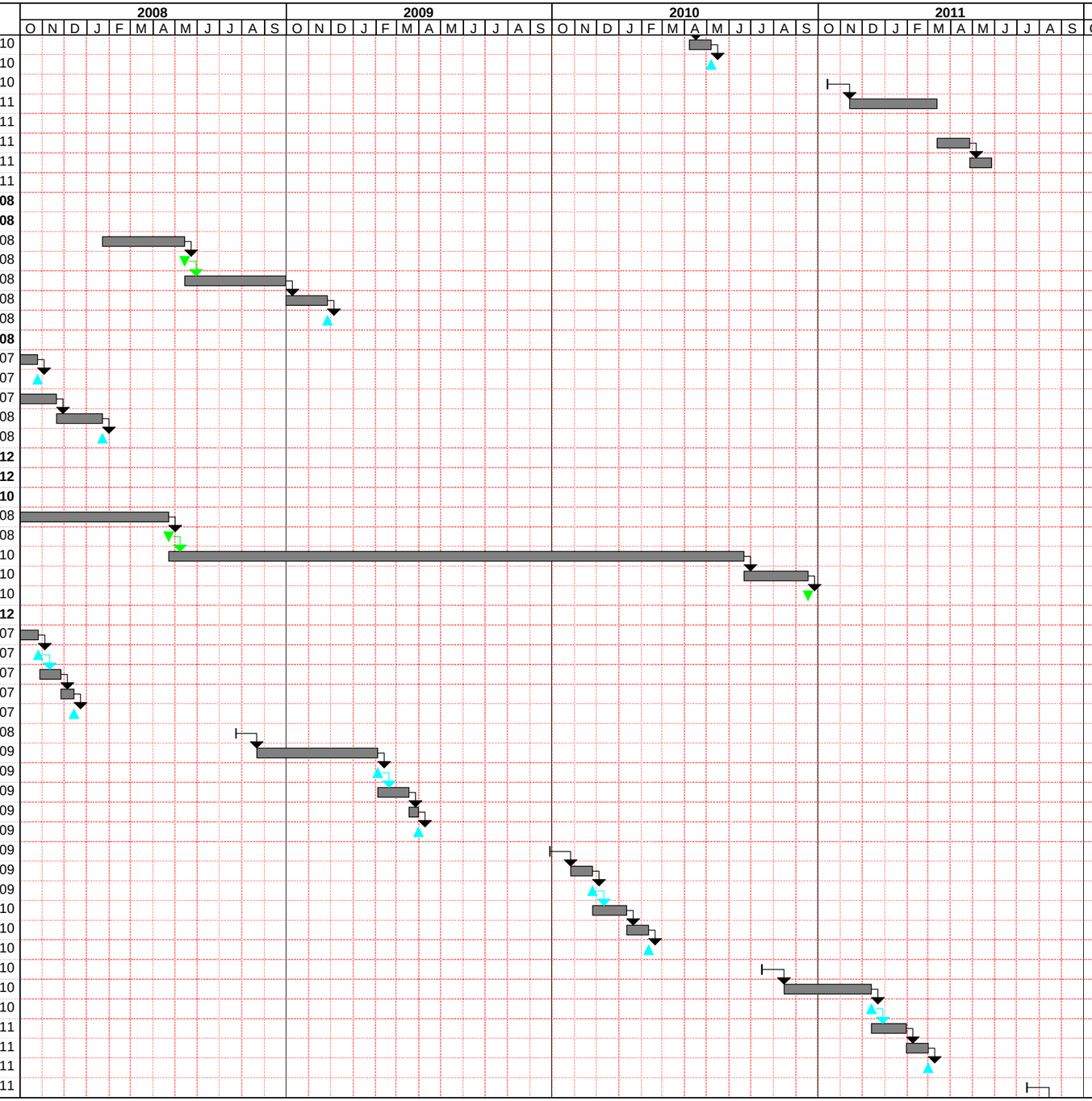
SWMU	Task Name	Duration	Start	Finish
	Prepare Final Annual GWMR - Year 8	30 days	Thu 4/8/10	Fri 5/7/10
	Submit Final Annual GWMR - Year 8	0 days	Fri 5/7/10	Fri 5/7/10
	Groundwater Sampling - Annual Year 9	1 day	Thu 10/14/10	Thu 10/14/10
	Prepare Draft Annual GWMR - Year 9	120 days	Sun 11/14/10	Sun 3/13/11
	Submit Draft Annual GWMR - Year 9	0 days	Sun 3/13/11	Sun 3/13/11
	Regulatory Review	45 days	Mon 3/14/11	Wed 4/27/11
	Prepare Final Annual GWMR - Year 9	30 days	Thu 4/28/11	Fri 5/27/11
	Submit Final Annual GWMR - Year 9	0 days	Fri 5/27/11	Fri 5/27/11
25	**SITE 25 Former Transformer Storage Yard**	**3516 days**	**Tue 4/13/99**	**Wed 11/26/08**
	Decision Documents	**3516 days**	**Tue 4/13/99**	**Wed 11/26/08**
	Prepare Draft Remedial Action Completion Report	113 days	Wed 1/23/08	Wed 5/14/08
	Submit Draft Remedial Action Completion Report	0 days	Wed 5/14/08	Wed 5/14/08
	Regulatory Review	139 days	Thu 5/15/08	Tue 9/30/08
	Prepare Final Remedial Action Completion Report	57 days	Wed 10/1/08	Wed 11/26/08
	Submit Final Remedial Action Completion Report	0 days	Wed 11/26/08	Wed 11/26/08
	Long-Term Monitoring	**2122 days**	**Tue 4/2/02**	**Tue 1/22/08**
	Prepare Final Annual GWMR - Year 5	73 days	Tue 8/14/07	Thu 10/25/07
	Submit Final Annual GWMR - Year 5	0 days	Thu 10/25/07	Thu 10/25/07
	Regulatory Review	176 days	Tue 5/29/07	Tue 11/20/07
	Prepare Final Annual GWMR - Year 6	63 days	Wed 11/21/07	Tue 1/22/08
	Submit Final Annual GWMR - Year 6	0 days	Tue 1/22/08	Tue 1/22/08
	OPERABLE UNIT 11	**4701 days**	**Tue 4/13/99**	**Fri 2/24/12**
45	**SITE 45 Steam Generating Plant**	**4701 days**	**Tue 4/13/99**	**Fri 2/24/12**
	Decision Documents	**4176 days**	**Tue 4/13/99**	**Fri 9/17/10**
	Prepare Draft NFA Tech Memo	436 days	Mon 2/12/07	Tue 4/22/08
	Submit Draft NFA Tech Memo	0 days	Tue 4/22/08	Tue 4/22/08
	Regulatory Approval	790 days	Wed 4/23/08	Mon 6/21/10
	Prepare Final NFA Tech Memo	88 days	Tue 6/22/10	Fri 9/17/10
	Submit Final NFA Tech Memo	0 days	Fri 9/17/10	Fri 9/17/10
	Long-Term Monitoring	**3616 days**	**Tue 4/2/02**	**Fri 2/24/12**
	Prepare Draft Annual GWMR - Year 6	64 days	Fri 8/24/07	Fri 10/26/07
	Submit Draft Annual GWMR - Year 6	0 days	Fri 10/26/07	Fri 10/26/07
	Regulatory Review	29 days	Mon 10/29/07	Mon 11/26/07
	Prepare Final Annual GWMR - Year 6	18 days	Tue 11/27/07	Fri 12/14/07
	Submit Final Annual GWMR - Year 6	0 days	Fri 12/14/07	Fri 12/14/07
	Groundwater Sampling - Annual Year 7	1 day	Thu 7/24/08	Thu 7/24/08
	Prepare Draft Annual GWMR - Year 7	166 days	Fri 8/22/08	Tue 2/3/09
	Submit Draft Annual GWMR - Year 7	0 days	Tue 2/3/09	Tue 2/3/09
	Regulatory Review	43 days	Wed 2/4/09	Wed 3/18/09
	Prepare Final Annual GWMR - Year 7	13 days	Thu 3/19/09	Tue 3/31/09
	Submit Final Annual GWMR - Year 7	0 days	Tue 3/31/09	Tue 3/31/09
	Groundwater Sampling - Annual Year 8	1 day	Mon 9/28/09	Mon 9/28/09
	Prepare Draft Annual GWMR - Year 8	30 days	Tue 10/27/09	Wed 11/25/09
	Submit Draft Annual GWMR - Year 8	0 days	Wed 11/25/09	Wed 11/25/09
	Regulatory Review	47 days	Thu 11/26/09	Mon 1/11/10
	Prepare Final Annual GWMR - Year 8	30 days	Tue 1/12/10	Wed 2/10/10
	Submit Final Annual GWMR - Year 8	0 days	Wed 2/10/10	Wed 2/10/10
	Groundwater Sampling - Annual Year 9	1 day	Fri 7/16/10	Fri 7/16/10
	Prepare Draft Annual GWMR - Year 9	120 days	Mon 8/16/10	Mon 12/13/10
	Submit Draft Annual GWMR - Year 9	0 days	Mon 12/13/10	Mon 12/13/10
	Regulatory Review	48 days	Tue 12/14/10	Sun 1/30/11
	Prepare Final Annual GWMR - Year 9	30 days	Mon 1/31/11	Tue 3/1/11
	Submit Final Annual GWMR - Year 9	0 days	Tue 3/1/11	Tue 3/1/11
	Groundwater Sampling - Annual Year 10	1 day	Fri 7/15/11	Fri 7/15/11



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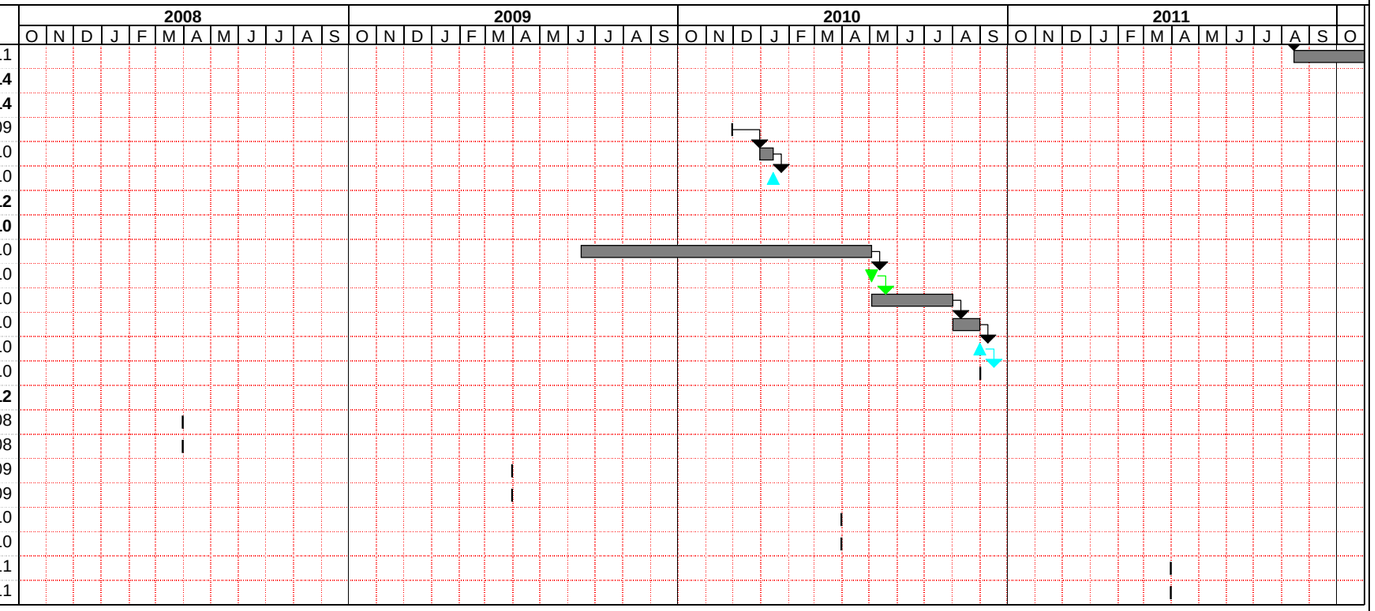
SWMU	Task Name	Duration	Start	Finish
	Prepare Draft Annual GWMR - Year 10	120 days	Mon 8/15/11	Mon 12/12/11
	OPERABLE UNIT 12	**5544 days**	**Tue 4/13/99**	**Mon 6/16/14**
32	**Site 32 DRMO Asphalt Storage Yard**	**5516 days**	**Tue 5/11/99**	**Mon 6/16/14**
	Groundwater Sampling (reported in Five Year Review)	1 day	Mon 11/30/09	Mon 11/30/09
	Prepare GWM Presentation	15 days	Thu 12/31/09	Thu 1/14/10
	Submit GWM Presentation	0 days	Thu 1/14/10	Thu 1/14/10
NA	**SITEWIDE**	**4681 days**	**Mon 6/7/99**	**Fri 3/30/12**
	3rd - 5-Year Review	**443 days**	**Tue 6/16/09**	**Wed 9/1/10**
	Prepare Draft Report	322 days	Tue 6/16/09	Mon 5/3/10
	Submit Draft Report	0 days	Mon 5/3/10	Mon 5/3/10
	Regulatory Comments	90 days	Tue 5/4/10	Sun 8/1/10
	Prepare Final Report	30 days	Mon 8/2/10	Tue 8/31/10
	Submit Final Report	0 days	Tue 8/31/10	Tue 8/31/10
	Final Signature	1 day	Wed 9/1/10	Wed 9/1/10
	LUC Inspection	**3691 days**	**Thu 2/21/02**	**Fri 3/30/12**
	LUC Inspections IAW (FOSTs)	1 day	Mon 3/31/08	Mon 3/31/08
	LUC Inspections IAW (MOA)	1 day	Mon 3/31/08	Mon 3/31/08
	LUC Inspections IAW (FOSTs)	1 day	Tue 3/31/09	Tue 3/31/09
	LUC Inspections IAW (MOA)	1 day	Tue 3/31/09	Tue 3/31/09
	LUC Inspections IAW (FOSTs)	1 day	Wed 3/31/10	Wed 3/31/10
	LUC Inspections IAW (MOA)	1 day	Wed 3/31/10	Wed 3/31/10
	LUC Inspections IAW (FOSTs)	1 day	Thu 3/31/11	Thu 3/31/11
	LUC Inspections IAW (MOA)	1 day	Thu 3/31/11	Thu 3/31/11



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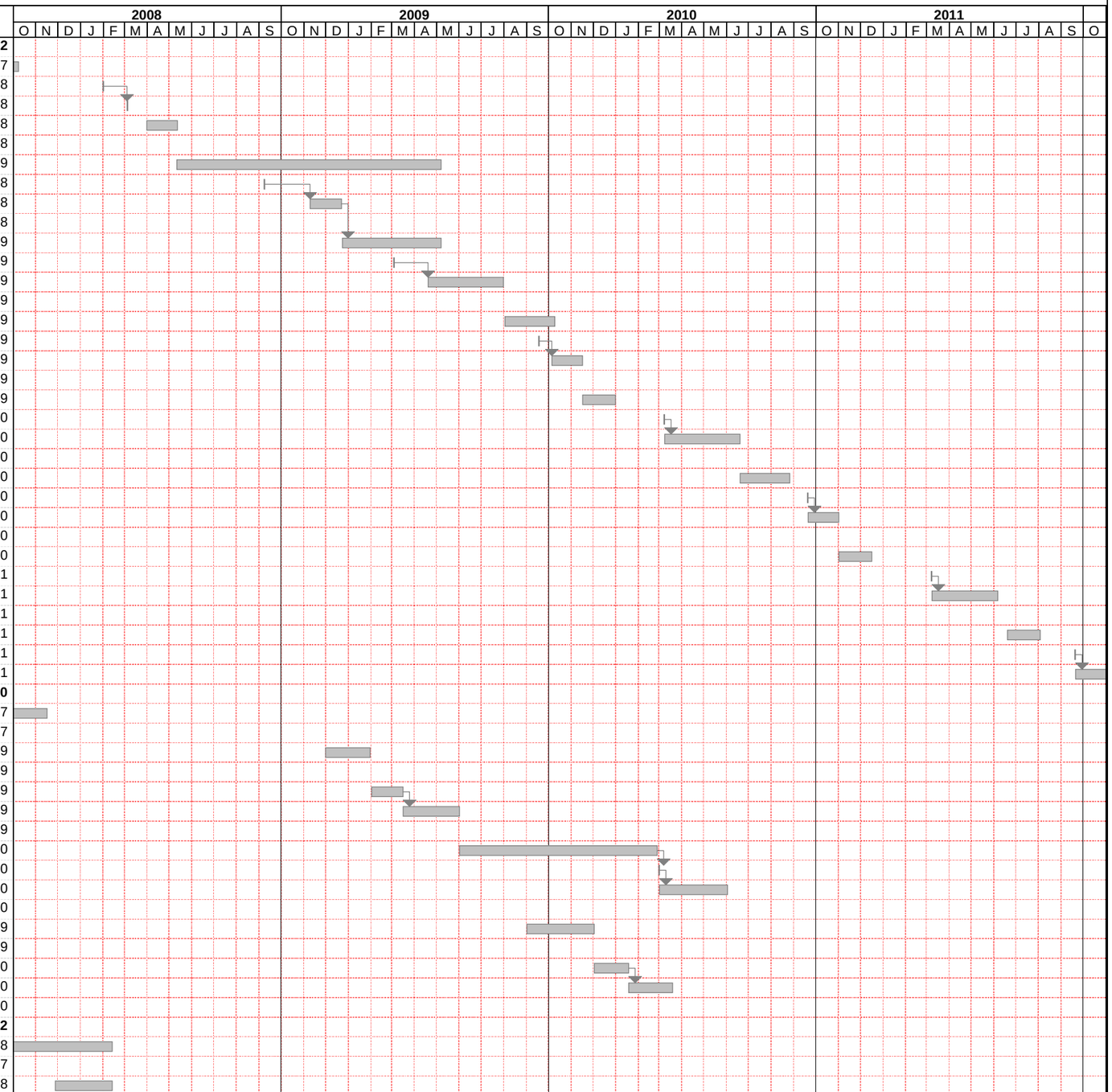
APPENDIX B

PETROLEUM PROGRAM SCHEDULE

PETROLEUM PROGRAM SCHEDULE - NAS CECIL FIELD - OCTOBER 2009

SWMU	Task Name	Duration	Start	Finish
13	**DAY TANK 1**	**5632 days**	**Mon 9/2/96**	**Thu 2/2/12**
	Regulatory Review	231 days	Tue 2/20/07	Mon 10/8/07
	Submit LTM Work Plan - DT1 and Bldg 46	1 day	Fri 2/1/08	Fri 2/1/08
	2008 1st SA GWM Event	1 day	Wed 3/5/08	Wed 3/5/08
	Prepare SA GWMR	42 days	Tue 4/1/08	Mon 5/12/08
	Submit SA GWMR	0 days	Mon 5/12/08	Mon 5/12/08
	Regulatory Review	361 days	Mon 5/12/08	Thu 5/7/09
	2008 2nd SA GWM Event	1 day	Mon 9/8/08	Mon 9/8/08
	Prepare SA GWMR	43 days	Mon 11/10/08	Mon 12/22/08
	Submit SA GWMR	0 days	Mon 12/22/08	Mon 12/22/08
	Regulatory Review	135 days	Wed 12/24/08	Thu 5/7/09
	2009 1st SA GWM Event	1 day	Wed 3/4/09	Wed 3/4/09
	Prepare SA GWMR	103 days	Mon 4/20/09	Fri 7/31/09
	Submit SA GWMR	0 days	Fri 7/31/09	Fri 7/31/09
	Regulatory Review	68 days	Mon 8/3/09	Fri 10/9/09
	2009 2nd SA GWM Event	1 day	Fri 9/18/09	Fri 9/18/09
	Prepare SA GWMR	42 days	Tue 10/6/09	Mon 11/16/09
	Submit SA GWMR	0 days	Mon 11/16/09	Mon 11/16/09
	Regulatory Review	45 days	Tue 11/17/09	Thu 12/31/09
	2010 1st SA GWM Event	1 day	Mon 3/8/10	Mon 3/8/10
	Prepare SA GWMR	103 days	Tue 3/9/10	Sat 6/19/10
	Submit SA GWMR	0 days	Sat 6/19/10	Sat 6/19/10
	Regulatory Review	68 days	Sun 6/20/10	Thu 8/26/10
	2010 2nd SA GWM Event	1 day	Mon 9/20/10	Mon 9/20/10
	Prepare SA GWMR	42 days	Tue 9/21/10	Mon 11/1/10
	Submit SA GWMR	0 days	Mon 11/1/10	Mon 11/1/10
	Regulatory Review	45 days	Tue 11/2/10	Thu 12/16/10
	2011 1st SA GWM Event	1 day	Tue 3/8/11	Tue 3/8/11
	Prepare SA GWMR	90 days	Wed 3/9/11	Mon 6/6/11
	Submit SA GWMR	0 days	Mon 6/6/11	Mon 6/6/11
	Regulatory Review	45 days	Mon 6/20/11	Wed 8/3/11
	2011 2nd SA GWM Event	1 day	Tue 9/20/11	Tue 9/20/11
	Prepare SA GWMR	90 days	Wed 9/21/11	Mon 12/19/11
54	**Tank G-290A**	**4131 days**	**Wed 2/10/99**	**Wed 6/2/10**
	Prepare Revised Excavation Plan	75 days	Mon 9/3/07	Fri 11/16/07
	Submit Revised Excavation Plan	0 days	Fri 11/16/07	Fri 11/16/07
	Prepare Draft Revised Work Plan	61 days	Mon 12/1/08	Fri 1/30/09
	Submit Draft Revised Work Plan	0 days	Fri 1/30/09	Fri 1/30/09
	Regulatory Review	43 days	Mon 2/2/09	Mon 3/16/09
	Prepare Final Revised Work Plan	77 days	Tue 3/17/09	Mon 6/1/09
	Submit Final Revised Work Plan	0 days	Mon 6/1/09	Mon 6/1/09
	Perform Excavation	270 days	Tue 6/2/09	Fri 2/26/10
	Conduct Post-Excavation Monitoring	1 day	Mon 3/1/10	Mon 3/1/10
	Prepare Post-Excavation GWMR	93 days	Tue 3/2/10	Wed 6/2/10
	Submit Post-Excavation GWMR	0 days	Wed 6/2/10	Wed 6/2/10
	Prepare Draft Source Removal Report	92 days	Wed 9/2/09	Wed 12/2/09
	Submit Draft Source Removal Report	0 days	Wed 12/2/09	Wed 12/2/09
	Regulatory Review	47 days	Thu 12/3/09	Mon 1/18/10
	Prepare Final Source Removal Report	60 days	Tue 1/19/10	Fri 3/19/10
	Submit Final Source Removal Report	0 days	Fri 3/19/10	Fri 3/19/10
72	**JET ENGINE TEST CELL/TANK 334-OW**	**5739 days**	**Mon 9/2/96**	**Sat 5/19/12**
	Regulatory Review	169 days	Wed 8/29/07	Wed 2/13/08
	Submit Quarterly O&M Status Report (2nd qtr 2007)	0 days	Tue 11/27/07	Tue 11/27/07
	Regulatory Review	78 days	Wed 11/28/07	Wed 2/13/08



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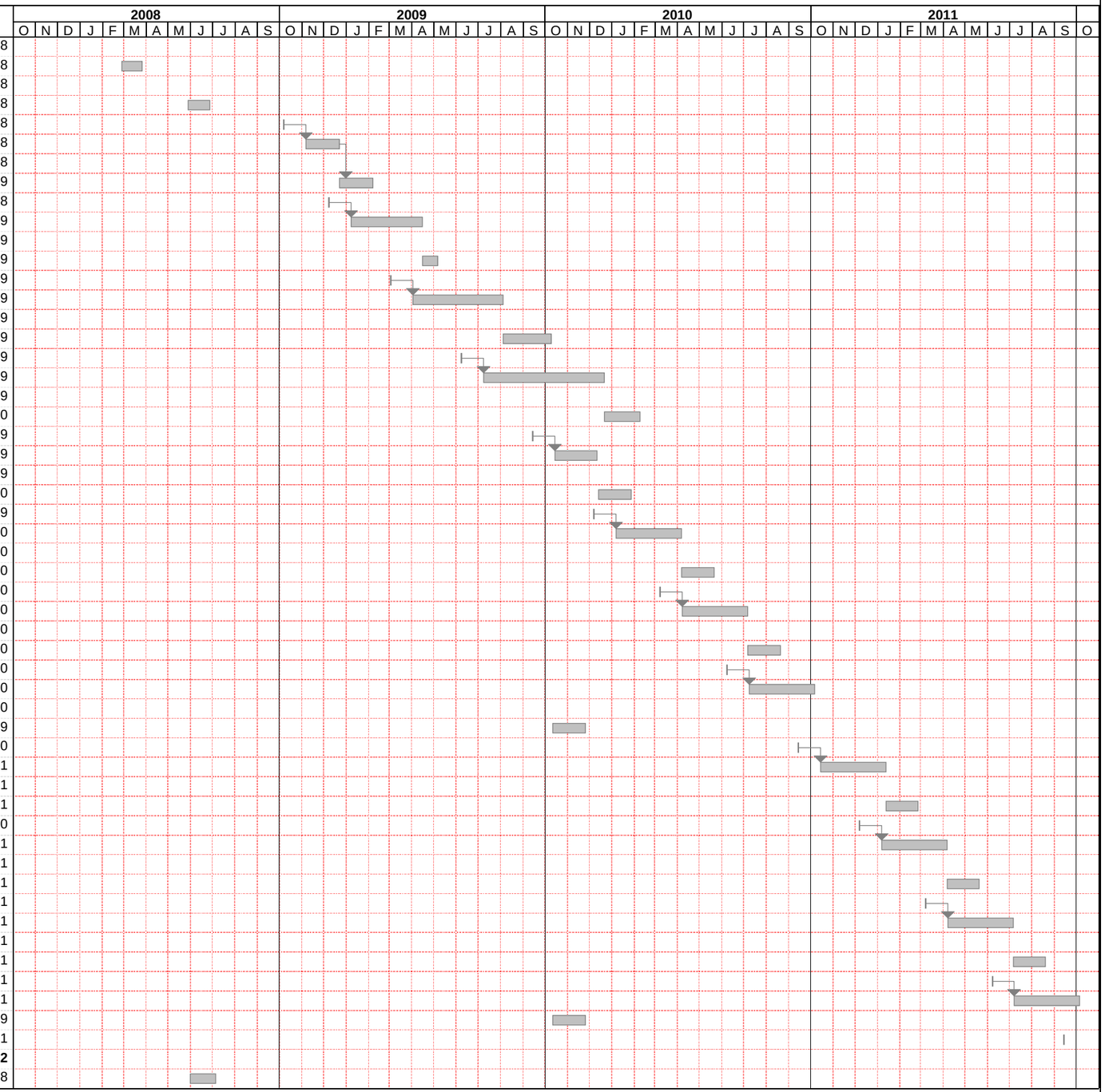
SWMU	Task Name	Duration	Start	Finish
	Submit Quarterly O&M Status Report (3rd qtr 2007)	0 days	Wed 2/27/08	Wed 2/27/08
	Regulatory Review	28 days	Thu 2/28/08	Wed 3/26/08
	Submit Quarterly O&M Status Report (4th qtr 2007)	0 days	Wed 5/28/08	Wed 5/28/08
	Regulatory Review	30 days	Thu 5/29/08	Fri 6/27/08
	Quarterly GWM Event - October 2008	1 day	Tue 10/7/08	Tue 10/7/08
	Prepare GWMR - October 2008 Event	46 days	Fri 11/7/08	Mon 12/22/08
	Submit GWMR - October 2008 Event	0 days	Mon 12/22/08	Mon 12/22/08
	Regulatory Review	46 days	Tue 12/23/08	Fri 2/6/09
	Quarterly GWM Event - December 2008	1 day	Mon 12/8/08	Mon 12/8/08
	Prepare GWMR - December 2008 Event	98 days	Thu 1/8/09	Wed 4/15/09
	Submit GWMR - December 2008 Event	0 days	Wed 4/15/09	Wed 4/15/09
	Regulatory Review	21 days	Thu 4/16/09	Wed 5/6/09
	Quarterly GWM Event - March 2009	1 day	Tue 3/3/09	Tue 3/3/09
	Prepare GWMR - March 2009 Event	124 days	Fri 4/3/09	Tue 8/4/09
	Submit GWMR - March 2009 Event	0 days	Tue 8/4/09	Tue 8/4/09
	Regulatory Review	66 days	Wed 8/5/09	Fri 10/9/09
	Quarterly GWM Event - June 2009	1 day	Mon 6/8/09	Mon 6/8/09
	Prepare GWMR - June 2009 Event	166 days	Thu 7/9/09	Mon 12/21/09
	Submit GWMR -June 2009 Event	0 days	Mon 12/21/09	Mon 12/21/09
	Regulatory Review	49 days	Tue 12/22/09	Mon 2/8/10
	Quarterly GWM Event - September 2009	1 day	Mon 9/14/09	Mon 9/14/09
	Prepare GWMR - September 2009 Event	58 days	Thu 10/15/09	Fri 12/11/09
	Submit GWMR - September 2009 Event	0 days	Fri 12/11/09	Fri 12/11/09
	Regulatory Review	45 days	Mon 12/14/09	Wed 1/27/10
	Quarterly GWM Event - December 2009	1 day	Mon 12/7/09	Mon 12/7/09
	Prepare GWMR - December 2009 Event	90 days	Thu 1/7/10	Tue 4/6/10
	Submit GWMR - December 2009 Event	0 days	Tue 4/6/10	Tue 4/6/10
	Regulatory Review	45 days	Wed 4/7/10	Fri 5/21/10
	Quarterly GWM Event - March 2010	1 day	Mon 3/8/10	Mon 3/8/10
	Prepare GWMR - March 2010 Event	90 days	Thu 4/8/10	Tue 7/6/10
	Submit GWMR - March 2010 Event	0 days	Tue 7/6/10	Tue 7/6/10
	Regulatory Review	45 days	Wed 7/7/10	Fri 8/20/10
	Quarterly GWM Event - June 2010	1 day	Tue 6/8/10	Tue 6/8/10
	Prepare GWMR - June 2010 Event	90 days	Fri 7/9/10	Wed 10/6/10
	Submit GWMR -June 2010 Event	0 days	Mon 11/15/10	Mon 11/15/10
	Regulatory Review	45 days	Mon 10/12/09	Wed 11/25/09
	Quarterly GWM Event - September 2010	1 day	Tue 9/14/10	Tue 9/14/10
	Prepare GWMR - September 2010 Event	90 days	Fri 10/15/10	Wed 1/12/11
	Submit GWMR - September 2010 Event	0 days	Wed 1/12/11	Wed 1/12/11
	Regulatory Review	44 days	Thu 1/13/11	Fri 2/25/11
	Quarterly GWM Event - December 2010	1 day	Tue 12/7/10	Tue 12/7/10
	Prepare GWMR - December 2010 Event	90 days	Fri 1/7/11	Wed 4/6/11
	Submit GWMR - December 2010 Event	0 days	Wed 4/6/11	Wed 4/6/11
	Regulatory Review	44 days	Thu 4/7/11	Fri 5/20/11
	Quarterly GWM Event - March 2011	1 day	Tue 3/8/11	Tue 3/8/11
	Prepare GWMR - March 2011 Event	90 days	Fri 4/8/11	Wed 7/6/11
	Submit GWMR - March 2011 Event	0 days	Wed 7/6/11	Wed 7/6/11
	Regulatory Review	44 days	Thu 7/7/11	Fri 8/19/11
	Quarterly GWM Event - June 2011	1 day	Wed 6/8/11	Wed 6/8/11
	Prepare GWMR - June 2011 Event	90 days	Fri 7/8/11	Wed 10/5/11
	Regulatory Review	45 days	Mon 10/12/09	Wed 11/25/09
	Quarterly GWM Event - September 2011	1 day	Wed 9/14/11	Wed 9/14/11
74	**SOUTH FUEL FARM**	**5734 days**	**Tue 10/15/96**	**Tue 6/26/12**
	Regulatory Review	62 days	Wed 6/7/06	Sat 7/5/08



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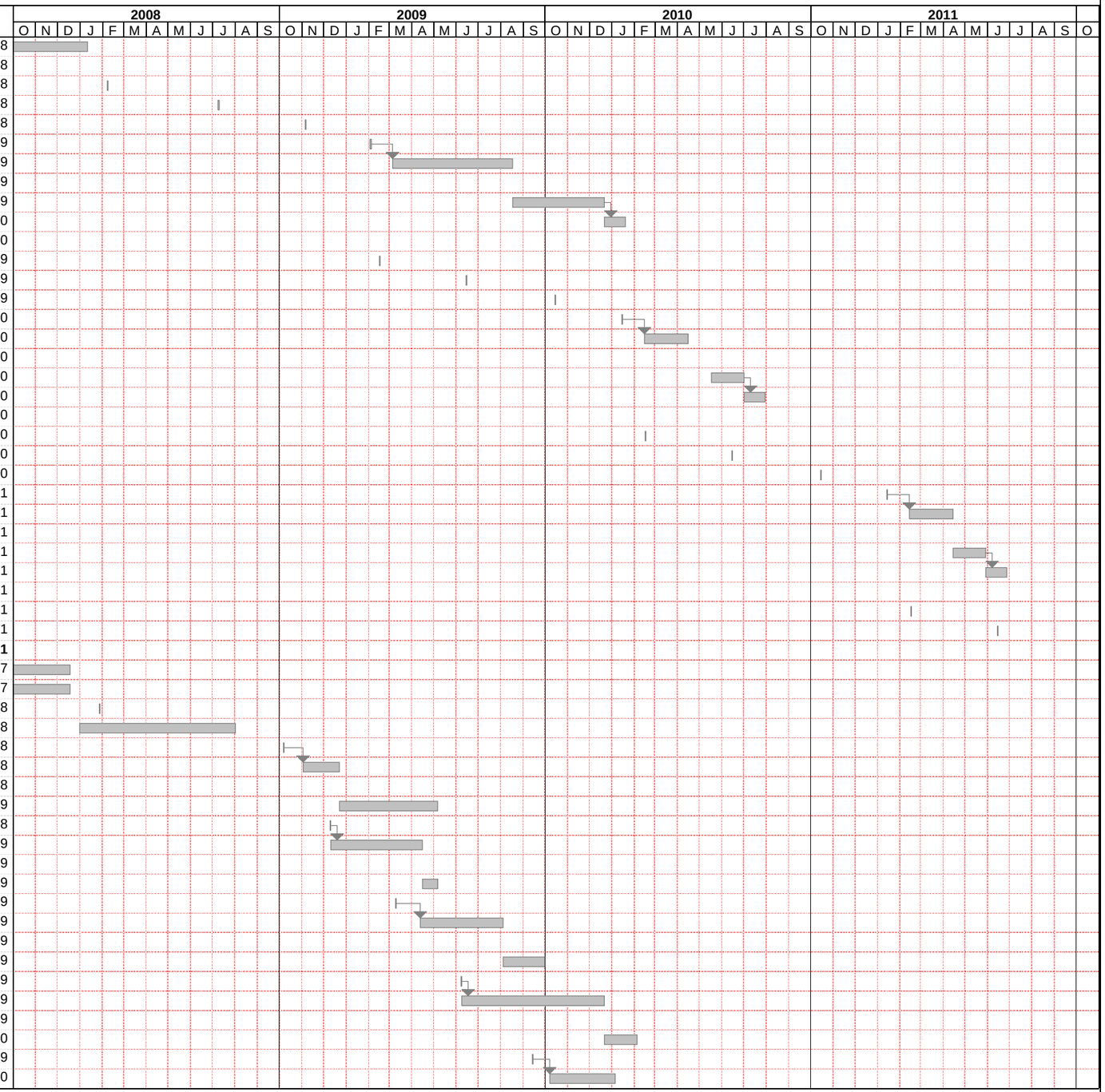
SWMU	Task Name	Duration	Start	Finish
	Prepare Final PARM Plan	131 days	Mon 9/3/07	Fri 1/11/08
	Submit Final PARM Plan	0 days	Fri 1/11/08	Fri 1/11/08
	1st Qtr Year 1 Soil and GW PARM Event	1 day	Fri 2/8/08	Fri 2/8/08
	2nd Qtr Year 1 Soil and GW PARM Event	2 days	Wed 7/9/08	Thu 7/10/08
	3rd Qtr Year 1 Soil and GW PARM Event	1 day	Thu 11/6/08	Thu 11/6/08
	4th Qtr Year 1 Soil and GW PARM Event	2 days	Tue 2/3/09	Wed 2/4/09
	Prepare Draft Year 1 PARM Report	165 days	Fri 3/6/09	Mon 8/17/09
	Submit Draft Year 1 PARM Report	0 days	Mon 8/17/09	Mon 8/17/09
	Regulatory Review	126 days	Tue 8/18/09	Mon 12/21/09
	Prepare Final Year 1 PARM Report	29 days	Tue 12/22/09	Tue 1/19/10
	Submit Final Year 1 PARM Report	0 days	Tue 1/19/10	Tue 1/19/10
	1st Qtr Year 2 Soil and GW PARM Event	1 day	Mon 2/16/09	Mon 2/16/09
	1st Qtr Year 2 Soil and GW PARM Event	1 day	Mon 6/15/09	Mon 6/15/09
	3rd Qtr Year 2 Soil and GW PARM Event	1 day	Thu 10/15/09	Thu 10/15/09
	4th Qtr Year 2 Soil and GW PARM Event	1 day	Fri 1/15/10	Fri 1/15/10
	Prepare Draft Year 2 PARM Report	60 days	Mon 2/15/10	Thu 4/15/10
	Submit Draft Year 2 PARM Report	0 days	Thu 4/15/10	Thu 4/15/10
	Regulatory Review	45 days	Tue 5/18/10	Thu 7/1/10
	Prepare Final Year 2 PARM Report	29 days	Fri 7/2/10	Fri 7/30/10
	Submit Final Year 2 PARM Report	0 days	Fri 7/30/10	Fri 7/30/10
	1st Qtr Year 3 Soil and GW PARM Event	1 day	Tue 2/16/10	Tue 2/16/10
	2nd Qtr Year 3 Soil and GW PARM Event	1 day	Tue 6/15/10	Tue 6/15/10
	3rd Qtr Year 3 Soil and GW PARM Event	1 day	Fri 10/15/10	Fri 10/15/10
	4th Qtr Year 3 Soil and GW PARM Event	1 day	Fri 1/14/11	Fri 1/14/11
	Prepare Draft Year 3 PARM Report	60 days	Mon 2/14/11	Thu 4/14/11
	Submit Draft Year 3 PARM Report	0 days	Thu 4/14/11	Thu 4/14/11
	Regulatory Review	45 days	Fri 4/15/11	Sun 5/29/11
	Prepare Final Year 3 PARM Report	29 days	Mon 5/30/11	Mon 6/27/11
	Submit Final Year 3 PARM Report	0 days	Mon 6/27/11	Mon 6/27/11
	1st Qtr Year 4 Soil and GW PARM Event	1 day	Wed 2/16/11	Wed 2/16/11
	2nd Qtr Year 4 Soil and GW PARM Event	1 day	Wed 6/15/11	Wed 6/15/11
80	**Building 271 Tanks 271-R, UL, and SUL**	**5987 days**	**Sat 7/1/95**	**Sun 11/20/11**
	Regulatory Review	202 days	Thu 5/31/07	Tue 12/18/07
	Regulatory Review	140 days	Wed 8/1/07	Tue 12/18/07
	Troubleshooting and Repair of AS System	1 day	Mon 1/28/08	Mon 1/28/08
	System Repair and Operation by CH2M Hill	214 days	Tue 1/1/08	Fri 8/1/08
	Quarterly GWM Event - October 2008	1 day	Tue 10/7/08	Tue 10/7/08
	Prepare GWMR - October 2008 Event	50 days	Mon 11/3/08	Mon 12/22/08
	Submit GWMR - October 2008 Event	0 days	Mon 12/22/08	Mon 12/22/08
	Regulatory Review	135 days	Tue 12/23/08	Wed 5/6/09
	Quarterly GWM Event - December 2008	1 day	Wed 12/10/08	Wed 12/10/08
	Prepare GWMR - December 2008 Event	126 days	Thu 12/11/08	Wed 4/15/09
	Submit GWMR - December 2008 Event	0 days	Wed 4/15/09	Wed 4/15/09
	Regulatory Review	21 days	Thu 4/16/09	Wed 5/6/09
	Quarterly GWM Event - March 2009	1 day	Tue 3/10/09	Tue 3/10/09
	Prepare GWMR - March 2009 Event	114 days	Mon 4/13/09	Tue 8/4/09
	Submit GWMR - March 2009 Event	0 days	Tue 8/4/09	Tue 8/4/09
	Regulatory Review	57 days	Wed 8/5/09	Wed 9/30/09
	Quarterly GWM Event - June 2009	1 day	Mon 6/8/09	Mon 6/8/09
	Prepare GWMR - June 2009 Event	196 days	Tue 6/9/09	Mon 12/21/09
	Submit GWMR - June 2009 Event	0 days	Mon 12/21/09	Mon 12/21/09
	Regulatory Review	45 days	Tue 12/22/09	Thu 2/4/10
	Quarterly GWM Event - September 2009	1 day	Mon 9/14/09	Mon 9/14/09
	Prepare GWMR - September 2009 Event	90 days	Thu 10/8/09	Tue 1/5/10



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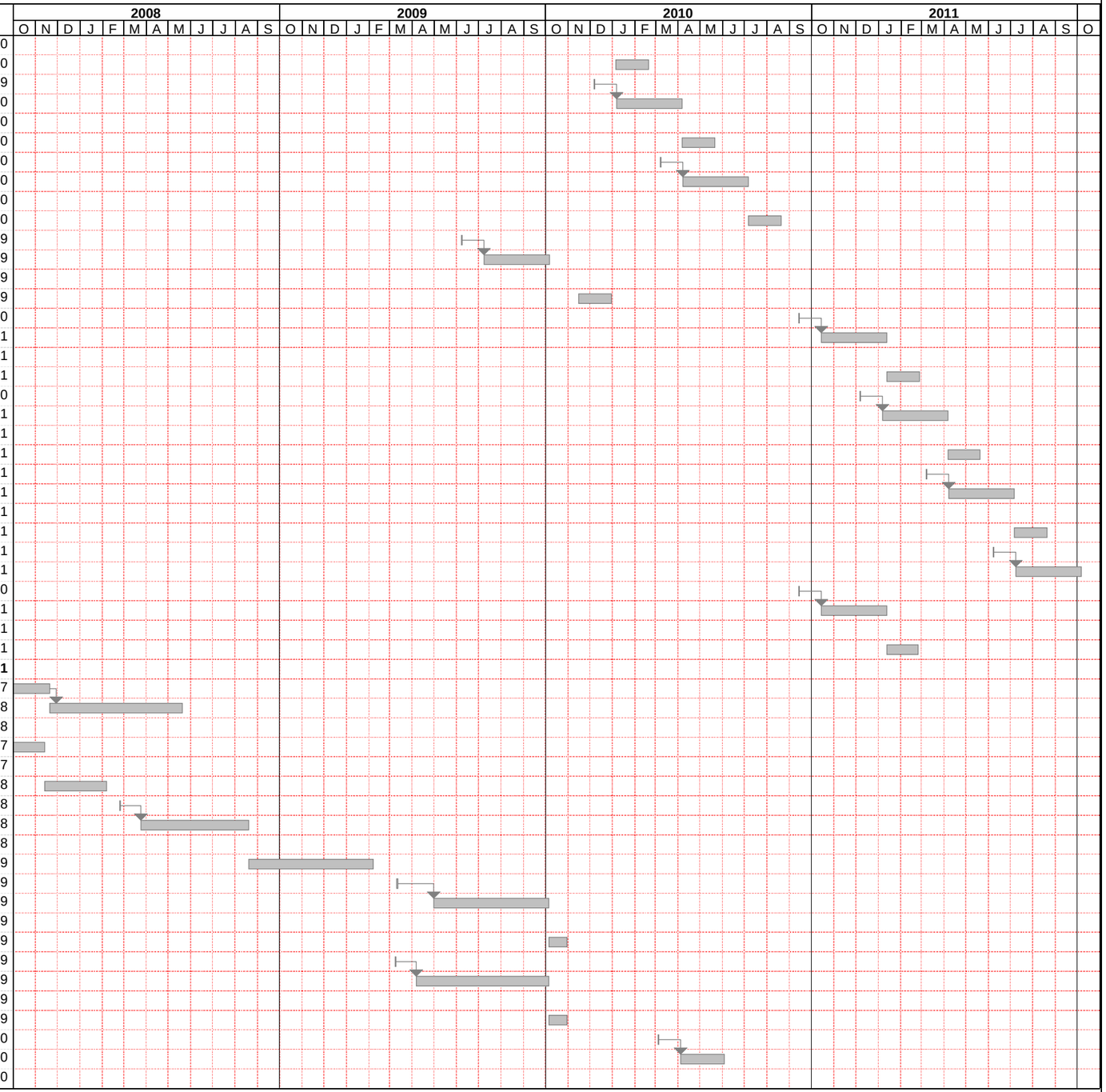
SWMU	Task Name	Duration	Start	Finish
	Submit GWMR - September 2009 Event	0 days	Tue 1/5/10	Tue 1/5/10
	Regulatory Review	45 days	Wed 1/6/10	Fri 2/19/10
	Quarterly GWM Event - December 2009	1 day	Mon 12/7/09	Mon 12/7/09
	Prepare GWMR - December 2009 Event	90 days	Thu 1/7/10	Tue 4/6/10
	Submit GWMR - December 2009 Event	0 days	Tue 4/6/10	Tue 4/6/10
	Regulatory Review	45 days	Wed 4/7/10	Fri 5/21/10
	Quarterly GWM Event - March 2010	1 day	Mon 3/8/10	Mon 3/8/10
	Prepare GWMR - March 2010 Event	90 days	Thu 4/8/10	Tue 7/6/10
	Submit GWMR - March 2010 Event	0 days	Tue 7/6/10	Tue 7/6/10
	Regulatory Review	45 days	Wed 7/7/10	Fri 8/20/10
	Quarterly GWM Event - June 2010	1 day	Mon 6/8/09	Mon 6/8/09
	Prepare GWMR - June 2010 Event	90 days	Thu 7/9/09	Tue 10/6/09
	Submit GWMR - June 2010 Event	0 days	Tue 10/6/09	Tue 10/6/09
	Regulatory Review	45 days	Mon 11/16/09	Wed 12/30/09
	Quarterly GWM Event - September 2010	1 day	Tue 9/14/10	Tue 9/14/10
	Prepare GWMR - September 2010 Event	90 days	Fri 10/15/10	Wed 1/12/11
	Submit GWMR - September 2010 Event	0 days	Wed 1/12/11	Wed 1/12/11
	Regulatory Review	45 days	Thu 1/13/11	Sat 2/26/11
	Quarterly GWM Event - December 2010	1 day	Tue 12/7/10	Tue 12/7/10
	Prepare GWMR - December 2010 Event	90 days	Fri 1/7/11	Wed 4/6/11
	Submit GWMR - December 2010 Event	0 days	Wed 4/6/11	Wed 4/6/11
	Regulatory Review	44 days	Thu 4/7/11	Fri 5/20/11
	Quarterly GWM Event - March 2011	1 day	Tue 3/8/11	Tue 3/8/11
	Prepare GWMR - March 2011 Event	90 days	Fri 4/8/11	Wed 7/6/11
	Submit GWMR - March 2011 Event	0 days	Wed 7/6/11	Wed 7/6/11
	Regulatory Review	45 days	Thu 7/7/11	Sat 8/20/11
	Quarterly GWM Event - June 2011	1 day	Wed 6/8/11	Wed 6/8/11
	Prepare GWMR - June 2011 Event	90 days	Sat 7/9/11	Thu 10/6/11
	Quarterly GWM Event - September 2011	1 day	Tue 9/14/10	Tue 9/14/10
	Prepare GWMR - September 2011 Event	90 days	Fri 10/15/10	Wed 1/12/11
	Submit GWMR - September 2011 Event	0 days	Wed 1/12/11	Wed 1/12/11
	Regulatory Review	43 days	Thu 1/13/11	Thu 2/24/11
81	**OCALA CRASH SITE**	**4978 days**	**Mon 12/1/97**	**Mon 7/18/11**
	Regulatory Review	163 days	Mon 6/11/07	Tue 11/20/07
	Prepare final GWMR - 1st SA Year 2	182 days	Wed 11/21/07	Tue 5/20/08
	Submit final GWMR - 1st SA Year 2	0 days	Tue 5/20/08	Tue 5/20/08
	Prepare GWMR - 2nd SA Year 2	56 days	Wed 9/19/07	Tue 11/13/07
	Submit GWMR - 2nd SA Year 2	0 days	Tue 11/13/07	Tue 11/13/07
	Regulatory Review	85 days	Wed 11/14/07	Wed 2/6/08
	Groundwater Sampling - 1st SA Year 3	1 day	Mon 2/25/08	Mon 2/25/08
	Prepare GWMR - 1st SA Year 3	148 days	Tue 3/25/08	Tue 8/19/08
	Submit GWMR - 1st SA Year 3	0 days	Tue 8/19/08	Tue 8/19/08
	Regulatory Review	171 days	Wed 8/20/08	Fri 2/6/09
	Supplemental Soil Sampling	2 days	Wed 3/11/09	Thu 3/12/09
	Prepare Draft Supplemental Soil Sampling Report	158 days	Fri 5/1/09	Mon 10/5/09
	Submit Draft Supplemental Soil Sampling Report	0 days	Mon 10/5/09	Mon 10/5/09
	Regulatory Review	25 days	Tue 10/6/09	Fri 10/30/09
	Groundwater Sampling - Annual Year 4	1 day	Mon 3/9/09	Mon 3/9/09
	Prepare draft GWMR - Draft Annual Year 4	182 days	Tue 4/7/09	Mon 10/5/09
	Submit draft GWMR - Annual Year 4	0 days	Mon 10/5/09	Mon 10/5/09
	Regulatory Review	25 days	Tue 10/6/09	Fri 10/30/09
	Groundwater Sampling - Annual Year 5	1 day	Fri 3/5/10	Fri 3/5/10
	Prepare draft GWMR - Draft Annual Year 5	60 days	Mon 4/5/10	Thu 6/3/10
	Submit draft GWMR - Annual Year 5	0 days	Thu 6/3/10	Thu 6/3/10



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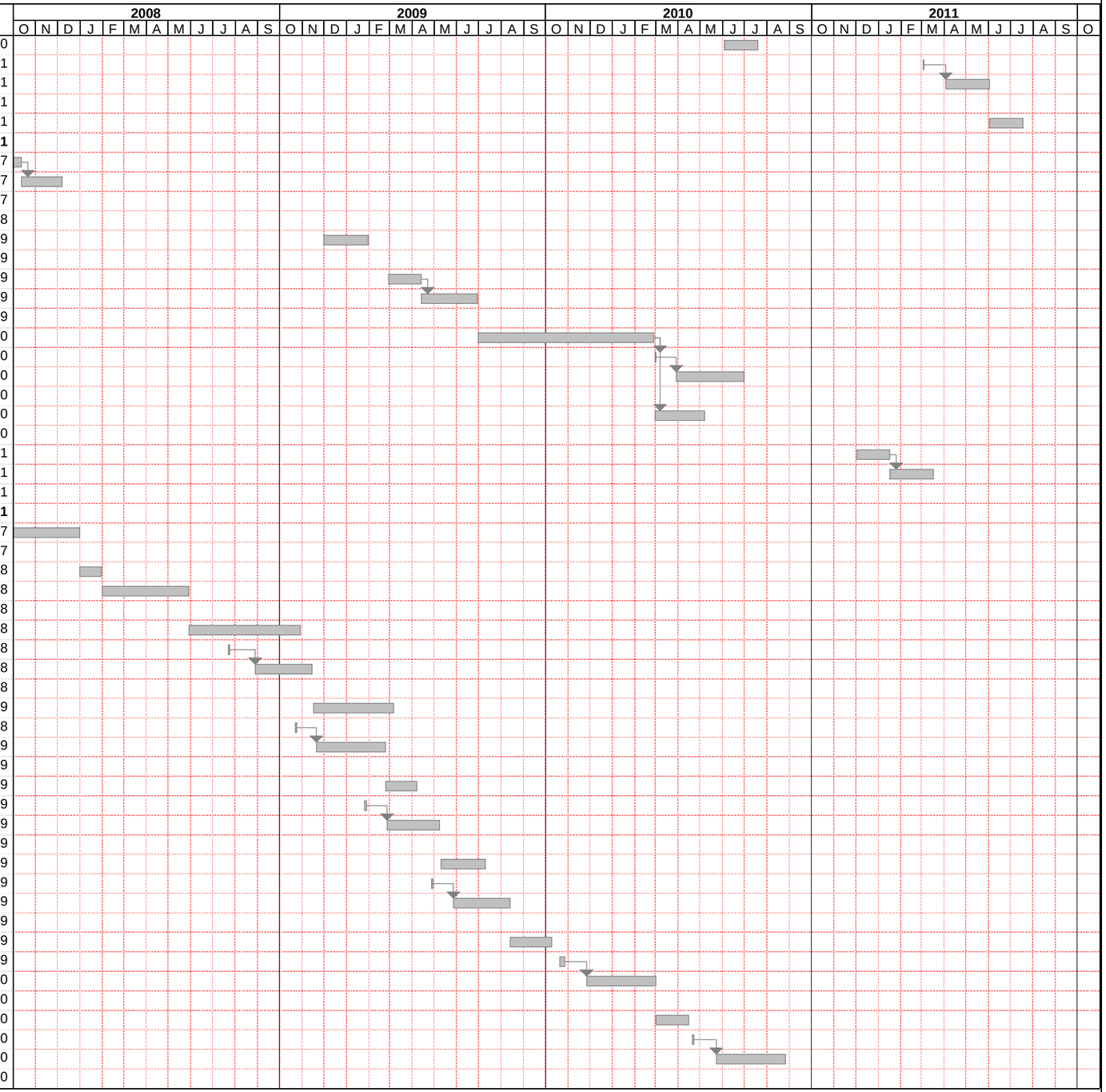
	Regulatory Review	46 days	Fri 6/4/10	Mon 7/19/10
	Groundwater Sampling - Annual Year 6	1 day	Fri 3/4/11	Fri 3/4/11
	Prepare draft GWMR - Draft Annual Year 6	60 days	Mon 4/4/11	Thu 6/2/11
	Submit draft GWMR - Annual Year 6	0 days	Thu 6/2/11	Thu 6/2/11
	Regulatory Review	46 days	Fri 6/3/11	Mon 7/18/11
134	**Building 502 Tank 502**	**4948 days**	**Sat 9/27/97**	**Thu 4/14/11**
	Regulatory Review	154 days	Sat 5/12/07	Fri 10/12/07
	Prepare Final SAR Addendum	56 days	Sat 10/13/07	Fri 12/7/07
	Submit Final SAR Addendum	0 days	Fri 12/7/07	Fri 12/7/07
	Preform Excavation	0 days	Fri 2/1/08	Fri 2/1/08
	Prepare Draft Revised Work Plan	61 days	Mon 12/1/08	Fri 1/30/09
	Submit Draft Revised Work Plan	0 days	Fri 2/27/09	Fri 2/27/09
	Regulatory Review	45 days	Sat 2/28/09	Mon 4/13/09
	Prepare Final Revised Work Plan	77 days	Tue 4/14/09	Mon 6/29/09
	Submit Final Revised Work Plan	0 days	Mon 6/29/09	Mon 6/29/09
	Perform Excavation	241 days	Wed 7/1/09	Fri 2/26/10
	Conduct Post-Excavation Monitoring	1 day	Mon 3/1/10	Mon 3/1/10
	Prepare Post-Excavation GWMR	93 days	Tue 3/30/10	Wed 6/30/10
	Submit Post-Excavation GWMR	0 days	Wed 6/30/10	Wed 6/30/10
	Prepare Draft Source Removal Report	68 days	Mon 3/1/10	Fri 5/7/10
	Submit Draft Source Removal Report	0 days	Thu 12/2/10	Thu 12/2/10
	Regulatory Review	45 days	Fri 12/3/10	Sun 1/16/11
	Prepare Final Source Removal Report	60 days	Mon 1/17/11	Thu 3/17/11
	Submit Final Source Removal Report	0 days	Thu 4/14/11	Thu 4/14/11
156	**Building 82 Tank G82**	**4570 days**	**Wed 4/7/99**	**Mon 10/10/11**
	Prepare NAMP	92 days	Mon 10/1/07	Mon 12/31/07
	Submit NAMP	0 days	Mon 12/31/07	Mon 12/31/07
	Regulatory Review	30 days	Tue 1/1/08	Wed 1/30/08
	Prepare Revised NAMP	119 days	Fri 2/1/08	Thu 5/29/08
	Submit Revised NAMP	0 days	Thu 5/29/08	Thu 5/29/08
	Regulatory Review	153 days	Fri 5/30/08	Wed 10/29/08
	Groundwater Sampling (1st Qtr Year 1)	2 days	Wed 7/23/08	Thu 7/24/08
	Prepare GWMR (1st Qtr Year)	78 days	Fri 8/29/08	Fri 11/14/08
	Submit GWMR (1st Qtr Year 1)	0 days	Fri 11/14/08	Fri 11/14/08
	Regulatory Review	110 days	Mon 11/17/08	Fri 3/6/09
	Groundwater Sampling (2nd Qtr Year 1)	2 days	Thu 10/23/08	Fri 10/24/08
	Prepare GWMR (2nd Qtr Year 1)	95 days	Fri 11/21/08	Mon 2/23/09
	Submit GWMR (2nd Qtr Year 1)	0 days	Mon 2/23/09	Mon 2/23/09
	Regulatory Review	43 days	Tue 2/24/09	Tue 4/7/09
	Groundwater Sampling (3rd Qtr Year 1)	3 days	Mon 1/26/09	Wed 1/28/09
	Prepare GWMR (3rd Qtr Year 1)	72 days	Thu 2/26/09	Fri 5/8/09
	Submit GWMR (3rd Qtr Year 1)	0 days	Fri 5/8/09	Fri 5/8/09
	Regulatory Review	61 days	Mon 5/11/09	Fri 7/10/09
	Groundwater Sampling (4th Qtr Year 1)	2 days	Tue 4/28/09	Wed 4/29/09
	Prepare GWMR (4th Qtr Year 1)	78 days	Thu 5/28/09	Thu 8/13/09
	Submit GWMR (4th Qtr Year 1)	0 days	Thu 8/13/09	Thu 8/13/09
	Regulatory Review	57 days	Fri 8/14/09	Fri 10/9/09
	Groundwater Sampling (1st SA Year 2)	7 days	Wed 10/21/09	Tue 10/27/09
	Prepare GWMR (1st SA Year 2)	95 days	Fri 11/27/09	Mon 3/1/10
	Submit GWMR (1st SA Year 2)	0 days	Mon 3/1/10	Mon 3/1/10
	Regulatory Review	45 days	Tue 3/2/10	Thu 4/15/10
	Groundwater Sampling (2nd SA Year 2)	2 days	Wed 4/21/10	Thu 4/22/10
	Prepare GWMR (2nd SA Year 2)	95 days	Mon 5/24/10	Thu 8/26/10
	Submit GWMR (2nd SA Year 2)	0 days	Thu 8/26/10	Thu 8/26/10



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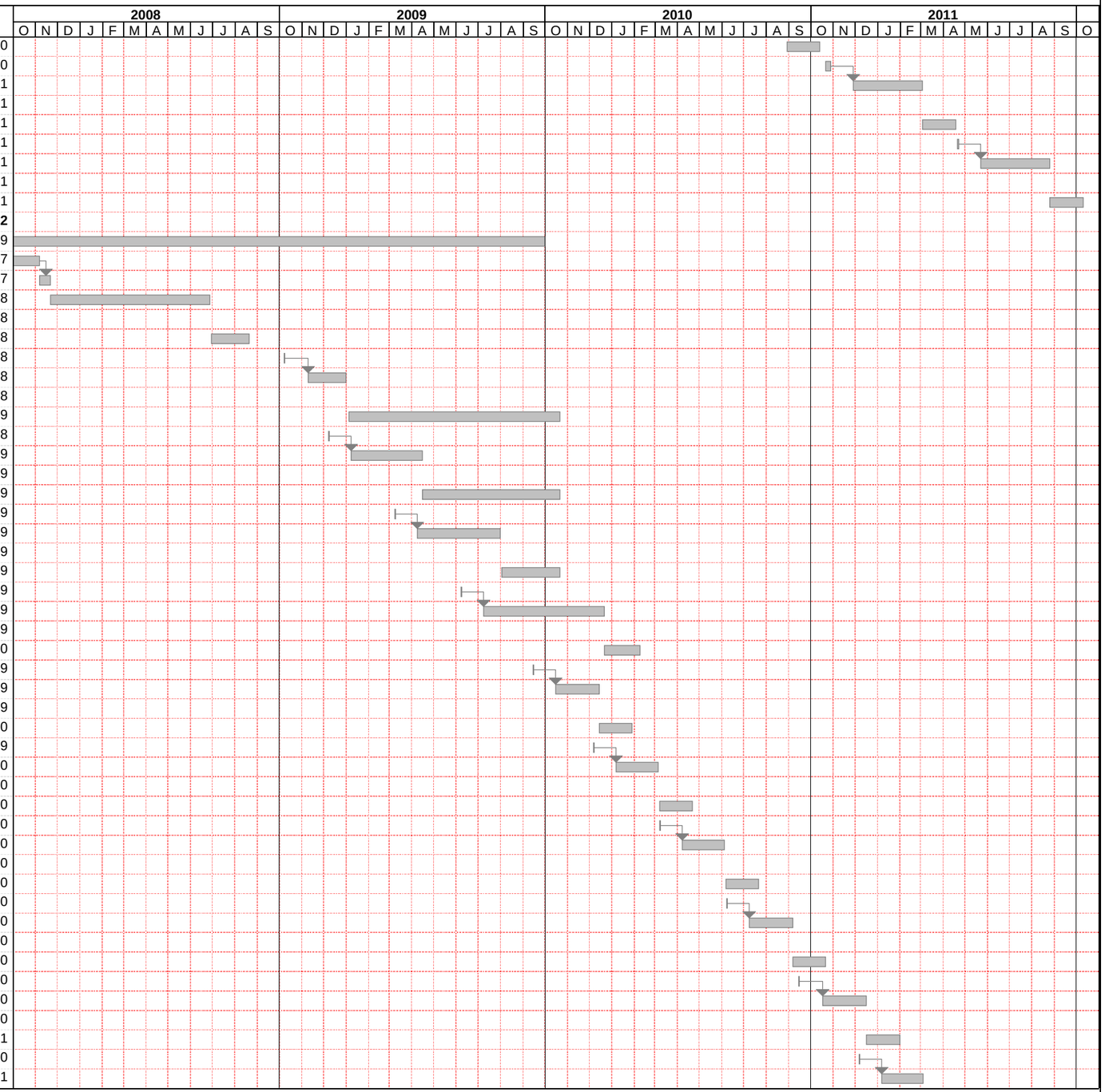
SWMU	Task Name	Duration	Start	Finish
	Regulatory Review	45 days	Mon 8/30/10	Wed 10/13/10
	Groundwater Sampling (1st SA Year 3)	7 days	Fri 10/22/10	Thu 10/28/10
	Prepare GWMR (1st SA Year 3)	95 days	Mon 11/29/10	Thu 3/3/11
	Submit GWMR (1st SA Year 3)	0 days	Thu 3/3/11	Thu 3/3/11
	Regulatory Review	46 days	Fri 3/4/11	Mon 4/18/11
	Groundwater Sampling (2nd SA Year 3)	2 days	Thu 4/21/11	Fri 4/22/11
	Prepare GWMR (2nd SA Year 3)	95 days	Mon 5/23/11	Thu 8/25/11
	Submit GWMR (2nd SA Year 3)	0 days	Thu 8/25/11	Thu 8/25/11
	Regulatory Review	46 days	Fri 8/26/11	Mon 10/10/11
164	**NORTH FUEL FARM AREA / TRUCK STAND**	**5629 days**	**Mon 9/2/96**	**Mon 1/30/12**
	Remediation System Operation	1542 days	Tue 7/12/05	Wed 9/30/09
	Prepare and Submit O&M Status Report	156 days	Mon 6/4/07	Tue 11/6/07
	Regulatory Review	15 days	Wed 11/7/07	Wed 11/21/07
	Prepare Optimization Report	219 days	Thu 11/22/07	Fri 6/27/08
	Submit Optimization Report	0 days	Fri 6/27/08	Fri 6/27/08
	Regulatory Review	52 days	Mon 6/30/08	Wed 8/20/08
	October 2008 GWM Event	1 day	Wed 10/8/08	Wed 10/8/08
	Prepare October 2008 GWMR	52 days	Mon 11/10/08	Wed 12/31/08
	Submit October 2008 GWMR	0 days	Wed 12/31/08	Wed 12/31/08
	Regulatory Review	290 days	Mon 1/5/09	Wed 10/21/09
	December 2008 GWM Event	1 day	Mon 12/8/08	Mon 12/8/08
	Prepare December 2008 GWMR	98 days	Thu 1/8/09	Wed 4/15/09
	Submit December 2008 GWMR	0 days	Wed 4/15/09	Wed 4/15/09
	Regulatory Review	189 days	Thu 4/16/09	Wed 10/21/09
	March 2009 GWM Event	1 day	Mon 3/9/09	Mon 3/9/09
	Prepare March 2009 GMWR	114 days	Thu 4/9/09	Fri 7/31/09
	Submit March 2009 GWMR	0 days	Fri 7/31/09	Fri 7/31/09
	Regulatory Review	80 days	Mon 8/3/09	Wed 10/21/09
	June 2009 GWM Event	1 day	Mon 6/8/09	Mon 6/8/09
	Prepare June 2009 GWMR	166 days	Thu 7/9/09	Mon 12/21/09
	Submit June 2009 GWMR	0 days	Mon 12/21/09	Mon 12/21/09
	Regulatory Review	49 days	Tue 12/22/09	Mon 2/8/10
	September 2009 GWM Event	1 day	Tue 9/15/09	Tue 9/15/09
	Prepare September 2009 GWMR	60 days	Fri 10/16/09	Mon 12/14/09
	Submit September 2009 GWMR	0 days	Mon 12/14/09	Mon 12/14/09
	Regulatory Review	45 days	Tue 12/15/09	Thu 1/28/10
	December 2009 GWM Event	1 day	Mon 12/7/09	Mon 12/7/09
	Prepare December 2009 GWMR	58 days	Thu 1/7/10	Fri 3/5/10
	Submit December 2009 GWMR	0 days	Fri 3/5/10	Fri 3/5/10
	Regulatory Review	45 days	Mon 3/8/10	Wed 4/21/10
	March 2010 GWM Event	1 day	Mon 3/8/10	Mon 3/8/10
	Prepare March 2010 GMWR	58 days	Thu 4/8/10	Fri 6/4/10
	Submit March 2010 GWMR	0 days	Fri 6/4/10	Fri 6/4/10
	Regulatory Review	45 days	Mon 6/7/10	Wed 7/21/10
	June 2010 GWM Event	1 day	Tue 6/8/10	Tue 6/8/10
	Prepare June 2010 GWMR	60 days	Fri 7/9/10	Mon 9/6/10
	Submit June 2010 GWMR	0 days	Mon 9/6/10	Mon 9/6/10
	Regulatory Review	45 days	Tue 9/7/10	Thu 10/21/10
	September 2010 GWM Event	1 day	Wed 9/15/10	Wed 9/15/10
	Prepare September 2010 GWMR	60 days	Mon 10/18/10	Thu 12/16/10
	Submit September 2010 GWMR	0 days	Thu 12/16/10	Thu 12/16/10
	Regulatory Review	46 days	Fri 12/17/10	Mon 1/31/11
	December 2010 GWM Event	1 day	Tue 12/7/10	Tue 12/7/10
	Prepare December 2010 GWMR	57 days	Fri 1/7/11	Fri 3/4/11



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SWMU	Task Name	Duration	Start	Finish
	Submit December 2010 GWMR	0 days	Fri 3/4/11	Fri 3/4/11
	Regulatory Review	45 days	Mon 3/7/11	Wed 4/20/11
	March 2011 GWM Event	1 day	Tue 3/8/11	Tue 3/8/11
	Prepare March 2011 GMWR	57 days	Fri 4/8/11	Fri 6/3/11
	Submit March 2011 GWMR	0 days	Fri 6/3/11	Fri 6/3/11
	Regulatory Review	45 days	Wed 6/8/11	Fri 7/22/11
	June 2011 GWM Event	1 day	Wed 6/8/11	Wed 6/8/11
	Prepare June 2011 GWMR	60 days	Fri 7/8/11	Mon 9/5/11
	Submit June 2011 GWMR	0 days	Mon 9/5/11	Mon 9/5/11
	Regulatory Review	45 days	Tue 9/6/11	Thu 10/20/11
	September 2011 GWM Event	1 day	Thu 9/15/11	Thu 9/15/11
170	**Building 46 Tanks 46R, 46SUL, 46UL**	**5176 days**	**Wed 3/18/98**	**Fri 5/18/12**
	Regulatory Review	42 days	Sat 8/23/08	Fri 10/3/08
	Submit Annual O&M Status Report	0 days	Mon 1/21/08	Mon 1/21/08
	Regulatory Review	256 days	Tue 1/22/08	Fri 10/3/08
	Submit Annual O&M Status Report	0 days	Wed 2/6/08	Wed 2/6/08
	Regulatory Review	240 days	Thu 2/7/08	Fri 10/3/08
	Submit LTM Work Plan	0 days	Fri 2/1/08	Fri 2/1/08
	Regulatory Review	362 days	Mon 2/4/08	Fri 1/30/09
	1st Quarter 2008 GWM Event	1 day	Wed 3/5/08	Wed 3/5/08
	Prepare 1st Qtr Year LTM and O&M Report	57 days	Tue 4/1/08	Tue 5/27/08
	Submit 1st Qtr Year LTM and O&M Report	0 days	Tue 5/27/08	Tue 5/27/08
	Regulatory Review	230 days	Sat 7/12/08	Thu 2/26/09
	2nd Quarter 2008 GWM Event	2 days	Tue 6/17/08	Wed 6/18/08
	Prepare 2nd Qtr Year LTM and O&M Report	21 days	Wed 7/16/08	Tue 8/5/08
	Submit 2nd Qtr Year LTM and O&M Report	0 days	Tue 8/5/08	Tue 8/5/08
	Regulatory Review	185 days	Wed 8/6/08	Fri 2/6/09
	3rd Quarter 2008 GWM Event	1 day	Tue 9/16/08	Tue 9/16/08
	Prepare 3rd Qtr Year LTM and O&M Report	68 days	Thu 10/16/08	Mon 12/22/08
	Submit 3rd Qtr Year LTM and O&M Report	0 days	Mon 12/22/08	Mon 12/22/08
	Regulatory Review	135 days	Tue 12/23/08	Wed 5/6/09
	4th Quarter 2008 GWM Event	1 day	Tue 12/16/08	Tue 12/16/08
	Prepare 4th Qtr Year LTM and O&M Report	90 days	Fri 1/16/09	Wed 4/15/09
	Submit 4th Qtr Year LTM and O&M Report	0 days	Wed 4/15/09	Wed 4/15/09
	Regulatory Review	22 days	Thu 4/16/09	Thu 5/7/09
	1st Quarter 2009 GWM Event	1 day	Mon 3/2/09	Mon 3/2/09
	Prepare 1st Qtr Year LTM and O&M Report	121 days	Thu 4/2/09	Fri 7/31/09
	Submit 1st Qtr Year LTM and O&M Report	0 days	Fri 7/31/09	Fri 7/31/09
	Regulatory Review	72 days	Mon 8/3/09	Tue 10/13/09
	2nd Quarter 2009 GWM Event	1 day	Mon 6/8/09	Mon 6/8/09
	Prepare 2nd Qtr Year LTM and O&M Report	166 days	Thu 7/9/09	Mon 12/21/09
	Submit 2nd Qtr Year LTM and O&M Report	0 days	Mon 12/21/09	Mon 12/21/09
	Regulatory Review	49 days	Tue 12/22/09	Mon 2/8/10
	3rd Quarter 2009 GWM Event	1 day	Mon 9/14/09	Mon 9/14/09
	Prepare 3rd Qtr Year LTM and O&M Report	90 days	Thu 10/15/09	Tue 1/12/10
	Submit 3rd Qtr Year LTM and O&M Report	0 days	Tue 1/12/10	Tue 1/12/10
	Regulatory Review	45 days	Wed 1/13/10	Fri 2/26/10
	4th Quarter 2009 GWM Event	1 day	Mon 12/7/09	Mon 12/7/09
	Prepare 4th Qtr Year LTM and O&M Report	90 days	Thu 1/7/10	Tue 4/6/10
	Submit 4th Qtr Year LTM and O&M Report	0 days	Tue 4/6/10	Tue 4/6/10
	Regulatory Review	45 days	Wed 4/7/10	Fri 5/21/10
	1st Quarter 2010 GWM Event	1 day	Mon 3/8/10	Mon 3/8/10
	Prepare 1st Qtr Year LTM and O&M Report	90 days	Thu 4/8/10	Tue 7/6/10
	Submit 1st Qtr Year LTM and O&M Report	0 days	Tue 7/6/10	Tue 7/6/10

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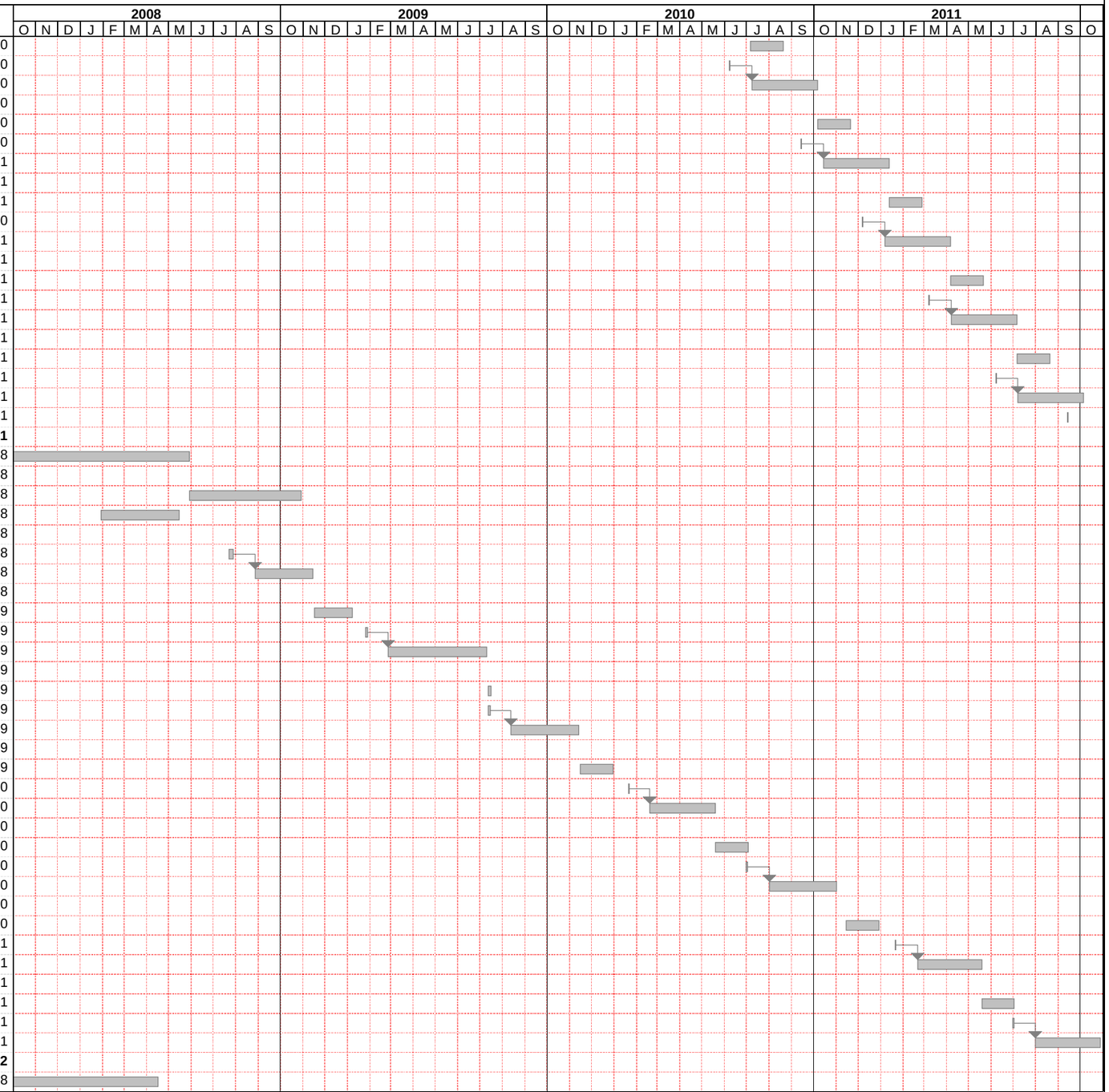
	Regulatory Review	45 days	Wed 7/7/10	Fri 8/20/10
	2nd Quarter 2010 GWM Event	1 day	Tue 6/8/10	Tue 6/8/10
	Prepare 2nd Qtr Year LTM and O&M Report	90 days	Fri 7/9/10	Wed 10/6/10
	Submit 2nd Qtr Year LTM and O&M Report	0 days	Wed 10/6/10	Wed 10/6/10
	Regulatory Review	45 days	Thu 10/7/10	Sat 11/20/10
	3rd Quarter 2010 GWM Event	1 day	Tue 9/14/10	Tue 9/14/10
	Prepare 3rd Qtr Year LTM and O&M Report	90 days	Fri 10/15/10	Wed 1/12/11
	Submit 3rd Qtr Year LTM and O&M Report	0 days	Wed 1/12/11	Wed 1/12/11
	Regulatory Review	45 days	Thu 1/13/11	Sat 2/26/11
	4th Quarter 2010 GWM Event	1 day	Tue 12/7/10	Tue 12/7/10
	Prepare 4th Qtr Year LTM and O&M Report	90 days	Fri 1/7/11	Wed 4/6/11
	Submit 4th Qtr Year LTM and O&M Report	0 days	Wed 4/6/11	Wed 4/6/11
	Regulatory Review	45 days	Thu 4/7/11	Sat 5/21/11
	1st Quarter 2011 GWM Event	1 day	Tue 3/8/11	Tue 3/8/11
	Prepare 1st Qtr Year LTM and O&M Report	90 days	Fri 4/8/11	Wed 7/6/11
	Submit 1st Qtr Year LTM and O&M Report	0 days	Wed 7/6/11	Wed 7/6/11
	Regulatory Review	45 days	Thu 7/7/11	Sat 8/20/11
	2nd Quarter 2011 GWM Event	1 day	Wed 6/8/11	Wed 6/8/11
	Prepare 2nd Qtr Year LTM and O&M Report	90 days	Fri 7/8/11	Wed 10/5/11
	3rd Quarter 2011 GWM Event	1 day	Wed 9/14/11	Wed 9/14/11
181	**BP Wells**	**3900 days**	**Wed 4/11/01**	**Wed 12/14/11**
	Prepare NAMP	242 days	Mon 10/1/07	Thu 5/29/08
	Submit NAMP	0 days	Thu 5/29/08	Thu 5/29/08
	Regulatory Review	153 days	Fri 5/30/08	Wed 10/29/08
	Prepare MNA Work Plan	107 days	Wed 1/30/08	Thu 5/15/08
	Submit MNA Work Plan	0 days	Thu 5/15/08	Thu 5/15/08
	Groundwater Sampling (1st SA Year 1)	6 days	Wed 7/23/08	Mon 7/28/08
	Prepare GWMR (1st SA Year 1)	79 days	Thu 8/28/08	Fri 11/14/08
	Submit GWMR (1st SA Year 1)	0 days	Fri 11/14/08	Fri 11/14/08
	Regulatory Review	52 days	Mon 11/17/08	Wed 1/7/09
	Groundwater Sampling (2nd SA Year 1)	3 days	Mon 1/26/09	Wed 1/28/09
	Prepare GWMR (2nd SA Year 1)	135 days	Thu 2/26/09	Fri 7/10/09
	Submit GWMR (2nd SA Year 1)	0 days	Fri 7/10/09	Fri 7/10/09
	Regulatory Review	4 days	Mon 7/13/09	Thu 7/16/09
	Groundwater Sampling (1st SA Year 2)	3 days	Mon 7/13/09	Wed 7/15/09
	Prepare GWMR (1st SA Year 2)	93 days	Thu 8/13/09	Fri 11/13/09
	Submit GWMR (1st SA Year 2)	0 days	Fri 11/13/09	Fri 11/13/09
	Regulatory Review	45 days	Mon 11/16/09	Wed 12/30/09
	Groundwater Sampling (2nd SA Year 2)	1 day	Thu 1/21/10	Thu 1/21/10
	Prepare GWMR (2nd SA Year 2)	90 days	Fri 2/19/10	Wed 5/19/10
	Submit GWMR (2nd SA Year 2)	0 days	Wed 5/19/10	Wed 5/19/10
	Regulatory Review	45 days	Thu 5/20/10	Sat 7/3/10
	Groundwater Sampling (1st SA Year 3)	2 days	Thu 7/1/10	Fri 7/2/10
	Prepare GWMR (1st SA Year 3)	92 days	Mon 8/2/10	Mon 11/1/10
	Submit GWMR (1st SA Year 3)	0 days	Mon 11/1/10	Mon 11/1/10
	Regulatory Review	45 days	Mon 11/15/10	Wed 12/29/10
	Groundwater Sampling (2nd SA Year 3)	1 day	Fri 1/21/11	Fri 1/21/11
	Prepare GWMR (2nd SA Year 3)	88 days	Mon 2/21/11	Thu 5/19/11
	Submit GWMR (2nd SA Year 3)	0 days	Thu 5/19/11	Thu 5/19/11
	Regulatory Review	44 days	Fri 5/20/11	Sat 7/2/11
	Groundwater Sampling (1st SA Year 4)	2 days	Fri 7/1/11	Sat 7/2/11
	Prepare GWMR (1st SA Year 4)	89 days	Mon 8/1/11	Fri 10/28/11
182	**NORTH-SOUTH APRON**	**4392 days**	**Mon 11/6/00**	**Wed 11/14/12**
	Regulatory Review	356 days	Fri 4/27/07	Wed 4/16/08



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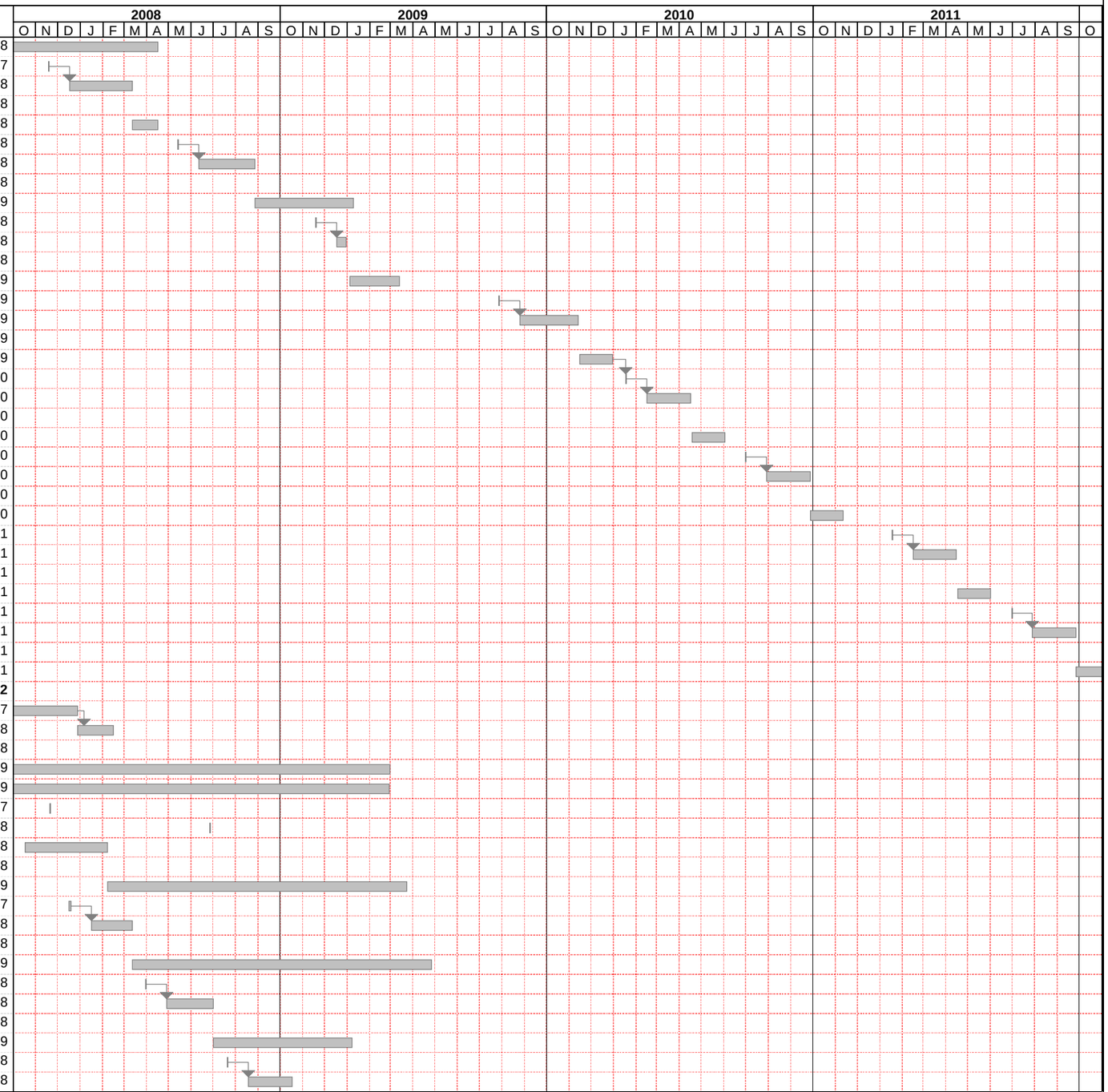
SWMU	Task Name	Duration	Start	Finish
	Regulatory Review	222 days	Sat 9/8/07	Wed 4/16/08
	Groundwater Sampling (1st SA Year 3)	1 day	Mon 11/19/07	Mon 11/19/07
	Prepare GWMR (1st SA Year 3)	86 days	Tue 12/18/07	Wed 3/12/08
	Submit GWMR (1st SA Year 3)	0 days	Wed 3/12/08	Wed 3/12/08
	Regulatory Review	35 days	Thu 3/13/08	Wed 4/16/08
	Groundwater Sampling (2nd SA Year 3)	1 day	Wed 5/14/08	Wed 5/14/08
	Prepare GWMR (2nd SA Year 3)	77 days	Thu 6/12/08	Wed 8/27/08
	Submit GWMR (2nd SA Year 3)	0 days	Wed 8/27/08	Wed 8/27/08
	Regulatory Review	135 days	Thu 8/28/08	Fri 1/9/09
	Groundwater Sampling (1st SA Year 4)	1 day	Wed 11/19/08	Wed 11/19/08
	Prepare GWMR (1st SA Year 4)	13 days	Thu 12/18/08	Tue 12/30/08
	Submit GWMR (1st SA Year 4)	0 days	Tue 12/30/08	Tue 12/30/08
	Regulatory Review	68 days	Mon 1/5/09	Fri 3/13/09
	Groundwater Sampling (2nd SA Year 4)	1 day	Tue 7/28/09	Tue 7/28/09
	Prepare GWMR (2nd SA Year 4)	80 days	Wed 8/26/09	Fri 11/13/09
	Submit GWMR (2nd SA Year 4)	0 days	Fri 11/13/09	Fri 11/13/09
	Regulatory Review	45 days	Mon 11/16/09	Wed 12/30/09
	Groundwater Sampling (1st SA Year 5)	1 day	Mon 1/18/10	Mon 1/18/10
	Prepare GWMR (1st SA Year 5)	60 days	Tue 2/16/10	Fri 4/16/10
	Submit GWMR (1st SA Year 5)	0 days	Fri 4/16/10	Fri 4/16/10
	Regulatory Review	45 days	Mon 4/19/10	Wed 6/2/10
	Groundwater Sampling (2nd SA Year 5)	1 day	Thu 7/1/10	Thu 7/1/10
	Prepare GWMR (2nd SA Year 5)	60 days	Fri 7/30/10	Mon 9/27/10
	Submit GWMR (2nd SA Year 5)	0 days	Mon 9/27/10	Mon 9/27/10
	Regulatory Review	45 days	Tue 9/28/10	Thu 11/11/10
	Groundwater Sampling (1st SA Year 6)	1 day	Tue 1/18/11	Tue 1/18/11
	Prepare GWMR (1st SA Year 6)	59 days	Wed 2/16/11	Fri 4/15/11
	Submit GWMR (1st SA Year 6)	0 days	Fri 4/15/11	Fri 4/15/11
	Regulatory Review	45 days	Mon 4/18/11	Wed 6/1/11
	Groundwater Sampling (2nd SA Year 6)	1 day	Fri 7/1/11	Fri 7/1/11
	Prepare GWMR (2nd SA Year 6)	60 days	Fri 7/29/11	Mon 9/26/11
	Submit GWMR (2nd SA Year 6)	0 days	Mon 9/26/11	Mon 9/26/11
	Regulatory Review	45 days	Tue 9/27/11	Thu 11/10/11
192	**Building 81 Tanks 81 A/B/C**	**4348 days**	**Fri 6/30/00**	**Fri 5/25/12**
	Regulatory Review	238 days	Sat 5/5/07	Fri 12/28/07
	Prepare final Supplemental Assessment Addendum	49 days	Sat 12/29/07	Fri 2/15/08
	Submit final Supplemental Assessment Addendum	0 days	Fri 2/15/08	Fri 2/15/08
	Regulatory Review	631 days	Sat 6/9/07	Sat 2/28/09
	Regulatory Review	519 days	Fri 9/28/07	Fri 2/27/09
	NAMP	1 day	Wed 11/21/07	Wed 11/21/07
	NAMP Approval/NAMPAO	1 day	Fri 6/27/08	Fri 6/27/08
	Prepare GWMR (3rd Qtr Year 2)	113 days	Thu 10/18/07	Thu 2/7/08
	Submit GWMR (3rd Qtr Year 2)	0 days	Thu 2/7/08	Thu 2/7/08
	Regulatory Review	410 days	Fri 2/8/08	Mon 3/23/09
	Groundwater Sampling (4th qtr Year 2)	3 days	Mon 12/17/07	Wed 12/19/07
	Prepare GWMR (4th qtr Year 2)	56 days	Thu 1/17/08	Wed 3/12/08
	Submit GWMR (4th qtr Year 2)	0 days	Wed 3/12/08	Wed 3/12/08
	Regulatory Review	410 days	Thu 3/13/08	Sun 4/26/09
	Groundwater Sampling (1st qtr Year 3)	1 day	Mon 3/31/08	Mon 3/31/08
	Prepare GWMR (1st qtr Year 3)	64 days	Tue 4/29/08	Tue 7/1/08
	Submit GWMR (1st qtr Year 3)	0 days	Tue 7/1/08	Tue 7/1/08
	Regulatory Review	190 days	Wed 7/2/08	Wed 1/7/09
	Groundwater Sampling (2nd qtr Year 3)	1 day	Mon 7/21/08	Mon 7/21/08
	Prepare GWMR (2nd qtr Year 3)	60 days	Tue 8/19/08	Fri 10/17/08



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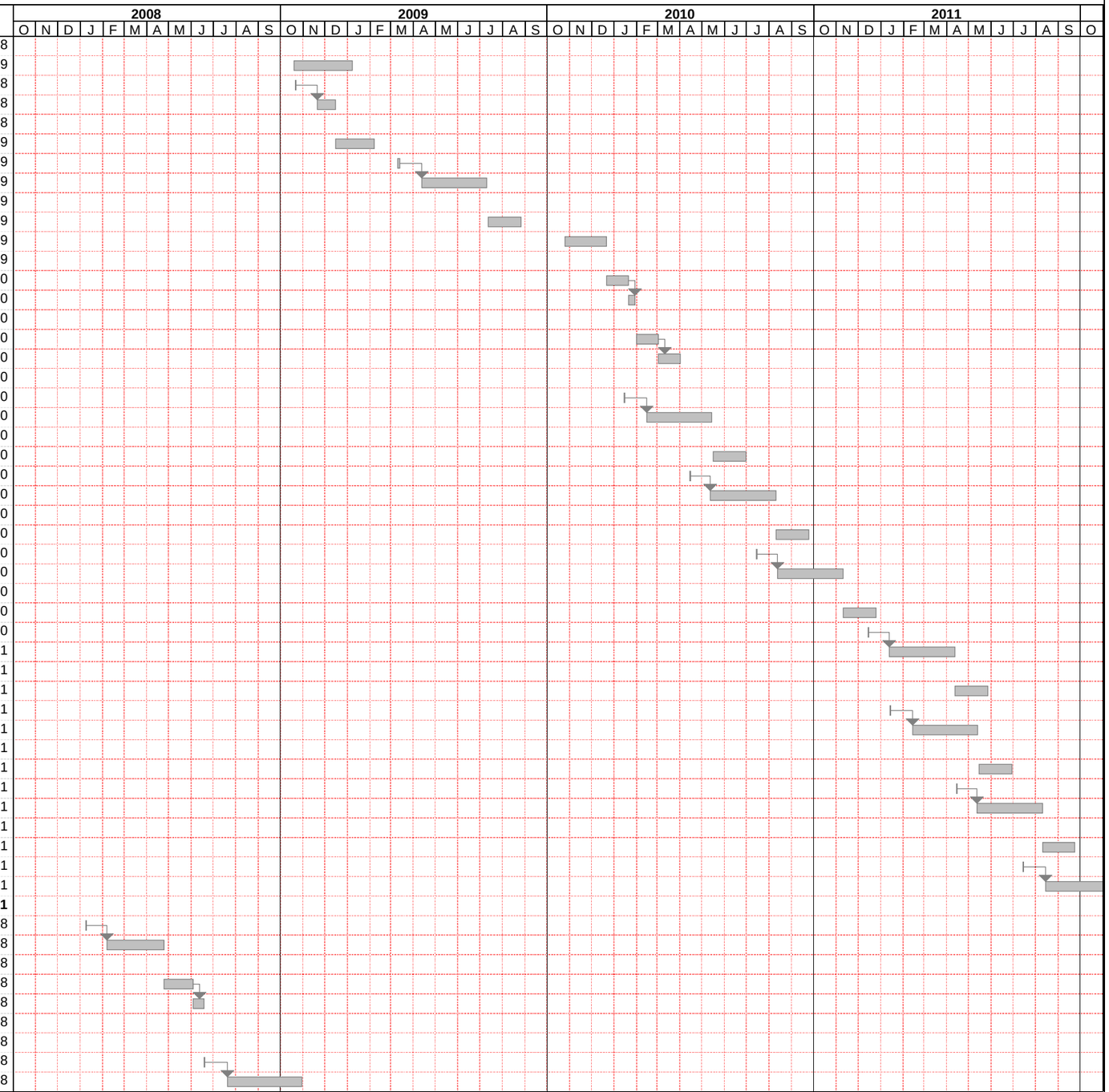
SWMU	Task Name	Duration	Start	Finish
	Submit GWMR (2nd qtr Year 3)	0 days	Fri 10/17/08	Fri 10/17/08
	Regulatory Review	80 days	Mon 10/20/08	Wed 1/7/09
	Groundwater Sampling (3rd Qtr Year 3)	1 day	Wed 10/22/08	Wed 10/22/08
	Prepare GWMR (3rd Qtr Year 3)	25 days	Fri 11/21/08	Mon 12/15/08
	Submit GWMR (3rd Qtr Year 3)	0 days	Mon 12/15/08	Mon 12/15/08
	Regulatory Review	53 days	Tue 12/16/08	Fri 2/6/09
	4th Qtr Year 3 Sampling & Add'l Investigation	3 days	Wed 3/11/09	Fri 3/13/09
	Prepare GWMR (4th qtr Year 3)	89 days	Mon 4/13/09	Fri 7/10/09
	Submit GWMR (4th qtr Year 3)	0 days	Fri 7/10/09	Fri 7/10/09
	Regulatory Review	45 days	Mon 7/13/09	Wed 8/26/09
	Prepare Preliminary Draft UFP-SAP	57 days	Mon 10/26/09	Mon 12/21/09
	Submit Preliminary Draft UFP-SAP	0 days	Mon 12/21/09	Mon 12/21/09
	Navy Chemist Review	30 days	Tue 12/22/09	Wed 1/20/10
	Prepare Draft UFP-SAP	9 days	Thu 1/21/10	Fri 1/29/10
	Submit Draft UFP-SAP	0 days	Fri 1/29/10	Fri 1/29/10
	Regulatory Review	30 days	Mon 2/1/10	Tue 3/2/10
	Prepare Final UFP-SAP	30 days	Wed 3/3/10	Thu 4/1/10
	Submit Final UFP-SAP	0 days	Thu 4/1/10	Thu 4/1/10
	Groundwater Sampling (1st Qtr Year 1)	1 day	Fri 1/15/10	Fri 1/15/10
	Prepare GWMR (1st Qtr Year 1)	89 days	Mon 2/15/10	Fri 5/14/10
	Submit GWMR (1st Qtr Year 1)	0 days	Fri 5/14/10	Fri 5/14/10
	Regulatory Review	45 days	Mon 5/17/10	Wed 6/30/10
	Groundwater Sampling (2nd Qtr Year 1)	1 day	Thu 4/15/10	Thu 4/15/10
	Prepare GWMR (2nd Qtr Year 1)	90 days	Thu 5/13/10	Tue 8/10/10
	Submit GWMR (2nd Qtr Year 1)	0 days	Tue 8/10/10	Tue 8/10/10
	Regulatory Review	45 days	Wed 8/11/10	Fri 9/24/10
	Groundwater Sampling (3rd Qtr Year 1)	1 day	Thu 7/15/10	Thu 7/15/10
	Prepare GWMR (3rd Qtr Year 1)	90 days	Fri 8/13/10	Wed 11/10/10
	Submit GWMR (3rd Qtr Year 1)	0 days	Wed 11/10/10	Wed 11/10/10
	Regulatory Review	45 days	Thu 11/11/10	Sat 12/25/10
	Groundwater Sampling (4th Qtr Year 1)	1 day	Wed 12/15/10	Wed 12/15/10
	Prepare GWMR (4th Qtr Year 1)	90 days	Thu 1/13/11	Tue 4/12/11
	Submit GWMR (4th Qtr Year 1)	0 days	Tue 4/12/11	Tue 4/12/11
	Regulatory Review	45 days	Wed 4/13/11	Fri 5/27/11
	Groundwater Sampling (1st Qtr Year 2)	1 day	Fri 1/14/11	Fri 1/14/11
	Prepare GWMR (1st Qtr Year 2)	89 days	Mon 2/14/11	Fri 5/13/11
	Submit GWMR (1st Qtr Year 2)	0 days	Fri 5/13/11	Fri 5/13/11
	Regulatory Review	45 days	Mon 5/16/11	Wed 6/29/11
	Groundwater Sampling (2nd Qtr Year 2)	1 day	Fri 4/15/11	Fri 4/15/11
	Prepare GWMR (2nd Qtr Year 2)	90 days	Fri 5/13/11	Wed 8/10/11
	Submit GWMR (2nd Qtr Year 2)	0 days	Wed 8/10/11	Wed 8/10/11
	Regulatory Review	44 days	Thu 8/11/11	Fri 9/23/11
	Groundwater Sampling (3rd Qtr Year 2)	1 day	Fri 7/15/11	Fri 7/15/11
	Prepare GWMR (3rd Qtr Year 2)	89 days	Mon 8/15/11	Fri 11/11/11
194	**Tank 815 (Wash Rack)**	**4545 days**	**Tue 6/22/99**	**Wed 11/30/11**
	Groundwater Sampling (SAR Addendum)	1 day	Wed 1/9/08	Wed 1/9/08
	Prepare draft Supplemental Assessment Addendum	78 days	Thu 2/7/08	Thu 4/24/08
	Submit draft Supplemental Assessment Addendum	0 days	Thu 4/24/08	Thu 4/24/08
	Regulatory Review	40 days	Fri 4/25/08	Tue 6/3/08
	Prepare final Supplemental Assessment Addendum	15 days	Wed 6/4/08	Wed 6/18/08
	Submit final Supplemental Assessment Addendum	0 days	Wed 6/18/08	Wed 6/18/08
	NAMPAO	0 days	Thu 11/6/08	Thu 11/6/08
	Groundwater Sampling - 1st Quarter Year 1	1 day	Thu 6/19/08	Thu 6/19/08
	Prepare draft GWMR - 1st Quarter Year 1	102 days	Mon 7/21/08	Thu 10/30/08



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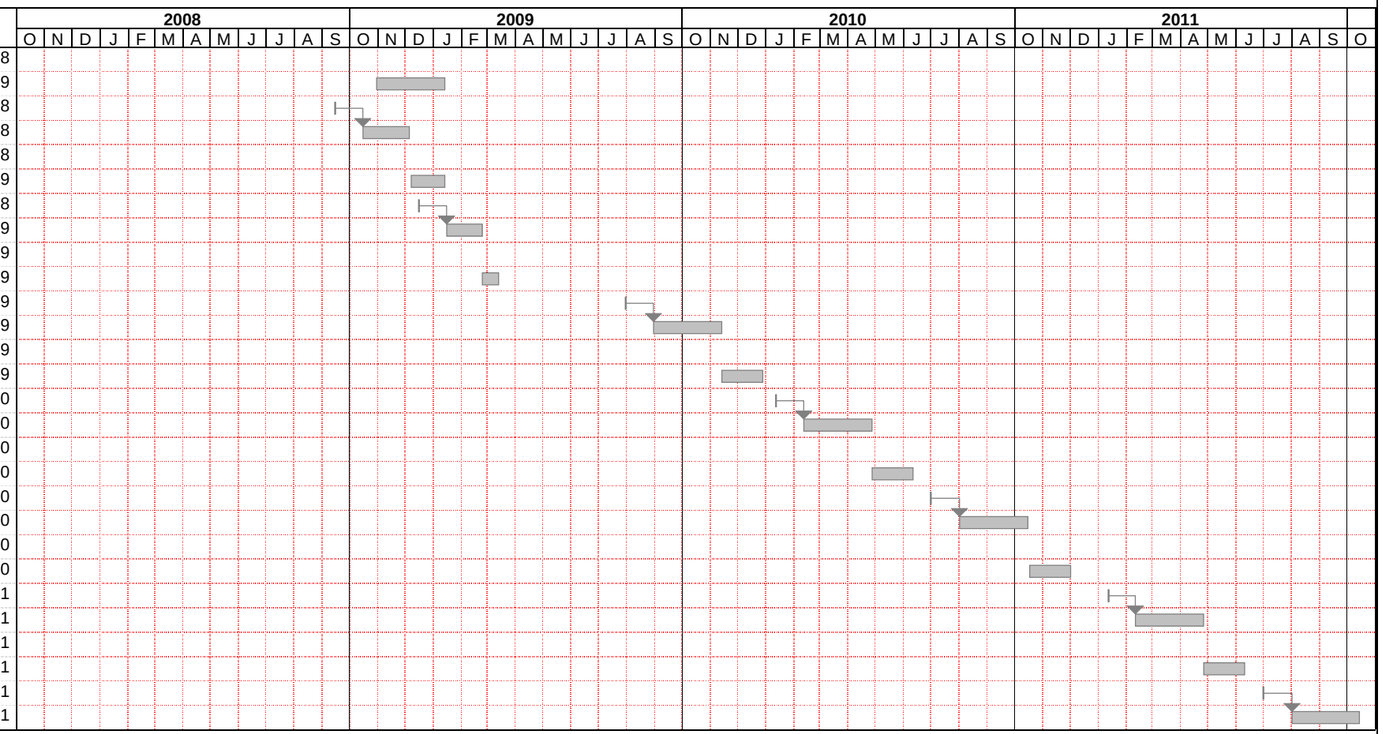
PETROLEUM PROGRAM SCHEDULE - NAS CECIL FIELD - OCTOBER 2009

SWMU	Task Name	Duration	Start	Finish
	Submit draft GWMR - 1st Quarter Year 1	0 days	Thu 10/30/08	Thu 10/30/08
	Regulatory Review	75 days	Fri 10/31/08	Tue 1/13/09
	Groundwater Sampling - 2nd Quarter Year 1	1 day	Mon 9/15/08	Mon 9/15/08
	Prepare draft GWMR - 2nd Quarter Year 1	51 days	Thu 10/16/08	Fri 12/5/08
	Submit draft GWMR - 2nd Quarter Year 1	0 days	Fri 12/5/08	Fri 12/5/08
	Regulatory Review	37 days	Mon 12/8/08	Tue 1/13/09
	Groundwater Sampling - 3rd Quarter Year 1	1 day	Tue 12/16/08	Tue 12/16/08
	Prepare draft GWMR - 3rd Quarter Year 1	39 days	Fri 1/16/09	Mon 2/23/09
	Submit draft GWMR - 3rd Quarter Year 1	0 days	Mon 2/23/09	Mon 2/23/09
	Regulatory Review	18 days	Tue 2/24/09	Fri 3/13/09
	Groundwater Sampling - 4th Quarter Year 1	1 day	Fri 7/31/09	Fri 7/31/09
	Prepare draft GWMR - 4th Quarter Year 1	75 days	Mon 8/31/09	Fri 11/13/09
	Submit draft GWMR - 4th Quarter Year 1	0 days	Fri 11/13/09	Fri 11/13/09
	Regulatory Review	45 days	Sat 11/14/09	Mon 12/28/09
	Groundwater Sampling - 1st SA Year 2	1 day	Tue 1/12/10	Tue 1/12/10
	Prepare draft GWMR - 1st SA Year 2	75 days	Fri 2/12/10	Tue 4/27/10
	Submit draft GWMR - 1st SA Year 2	0 days	Tue 4/27/10	Tue 4/27/10
	Regulatory Review	45 days	Wed 4/28/10	Fri 6/11/10
	Groundwater Sampling - 2nd SA Year 2	1 day	Thu 7/1/10	Thu 7/1/10
	Prepare draft GWMR - 2nd SA Year 2	75 days	Mon 8/2/10	Fri 10/15/10
	Submit draft GWMR - 2nd SA Year 2	0 days	Fri 10/15/10	Fri 10/15/10
	Regulatory Review	45 days	Mon 10/18/10	Wed 12/1/10
	Groundwater Sampling - 1st SA Year 3	1 day	Wed 1/12/11	Wed 1/12/11
	Prepare draft GWMR - 1st SA Year 3	75 days	Fri 2/11/11	Tue 4/26/11
	Submit draft GWMR - 1st SA Year 3	0 days	Tue 4/26/11	Tue 4/26/11
	Regulatory Review	45 days	Wed 4/27/11	Fri 6/10/11
	Groundwater Sampling - 2nd SA Year 3	1 day	Fri 7/1/11	Fri 7/1/11
	Prepare draft GWMR - 2nd SA Year 3	74 days	Tue 8/2/11	Fri 10/14/11



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