FY2012

HAINES PIPELINE

Army Defense Environmental Restoration Program

Installation Action Plan

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multiyear cleanup program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, along with the costs and schedules associated with conducting investigations and taking the necessary remedial actions (RAs).

In an effort to coordinate planning information between the restoration manager, the Installation Management Command (IMCOM) - Pacific, the US Army Environmental Command (USAEC), the executing agencies, the regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and tentative budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

Acronyms

ADEC	Alaska Department of Environmental Conservation
AEDB-R	Army Environmental Database - Restoration
AOC	Area of Concern
AS	Air Sparging
AST	Aboveground Storage Tank
BLM	Bureau of Land Management
CANOL	Canadian Oil
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CLOSES	Cleanup Operations and Site Exit Strategies
CRREL	US Army Cold Regions Research and Engineering Laboratory
DRO	Diesel Range Organics
ER,A	Environmental Restoration, Army
FY	Fiscal Year
GRO	Gasoline Range Organics
HFT	Haines Fuel Terminal
HVE	High-Vacuum Extraction
IAP	Installation Action Plan
IMCOM	Installation Management Command
IRP	Installation Restoration Program
JBER	Joint Base Elmendorf-Richardson
K	thousand
LNAPL	Light Non-Aqueous Phase Liquids
LTM	Long-Term Management
LUC	Land Use Control
N/A	Not Applicable
NPL	National Priorities List
PBA	Perfomance-Based Acquisition
PBC	Performance-Based Contract
PCB	Polychlorinated Biphenyls
POL	Petroleum, Oil, and Lubricants
RA	Remedial Action
RAB	Restoration Advisory Board
RC	Response Complete
RIP	Remedy-in-Place
RRO	Residual Range Organics
SI	Site Inspection
SVOC	Semi-Volatile Organic Compound
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
TRC	Technical Review Committee
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Command
USAG	US Army Garrison
USAPACEHEA	US Army Pacific Environmental Health Engineering Agency (currently USACHPPM)
USEPA	US Environmental Protection Agency

Acronyms

VOC Volatile Organic Compound

Installation Information

Installation Locale

Installation Size (Acreage): 455
City: Haines, Tok, Outside Delta Junction, sites between Fairbanks and Haines (USA only)
County: Fairbanks, Delta Junction, Borough
State: Alaska
Other Locale Information

The Haines-Fairbanks Pipeline ran along a route from Haines, Alaska to the terminal at Fort Wainwright in Fairbanks, Alaska, passing through Haines Junction, the Yukon Territory and along the Alaska Highway through Tok, Big Delta. The pipeline was built to supply fuel to military installations in Alaska. It consisted of an eight-inch multiproduct line with six pumping stations, including Tok, Haines, and Sears Creek. A significant portion of the line was installed above ground. In 1972 the pipeline was decommissioned, with a majority of the pipe removed between 1990 and 1991 when the Haines Fuel Terminal (HFT) was closed.

All buildings and tanks have been demolished at the HFT and Tok Fuel Terminal. Most of the pipeline between HFT and Fort Wainwright has been transferred to the Formerly Used Defense Sites (FUDS) program.

Installation Mission

The installation is on US Army property and was in support of the US Army. Alaska's primary mission is to provide ready combat forces to deploy rapidly in support of worldwide joint military operations, crisis response, and peacetime engagements, to maintain a quality of life and force protection platform, and to serve as the Joint Force Land Component in Alaska.

Lead Organization

Lead Executing Agencies for Installation

USAG FWA Environmental Division

Regulator Participation

State Alaska Department of Environmental Conservation (ADEC)

National Priorities List (NPL) Status

HAINES PIPELINE is not on the NPL

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status

RAB established 199702

Installation Program Summaries

IRP

Primary Contaminants of Concern: Light non-aqueous phase liquids (LNAPL), Metals, Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Affected Media of Concern: Groundwater, Soil, Surface Water

5-Year / Periodic Review Summary

5-Year / Periodic Review Summary

Status	Start Date	End Date	End FY
Planned	201609	201709	2017

5-Year / Periodic Review Details

Associated ROD/DD Name	Sites
Sears Creek Excavation and Landspreading	HNS-03
Tok Fuel Terminal Removal	HNS-04

Land Use Control (LUC) Summary

LUC Title: Fencing and Signs

Site(s): HNS-04

ROD/DD Title: Tok Fuel Terminal Removal

Location of LUC

Tok Fuel Terminal

Land Use Restriction: Restrict land use - Mitigation area(s) protection

Types of Engineering Controls: Fences, Markers, Signs

Types of Institutional Controls: Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

Date in Place: 201910

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Installation

Record of LUC: Master Plan or Equivalent

Documentation Date: 201910

LUC Enforcement: Annual Inspections

Contaminants: PETROLEUM HYDROCARBON, VOC

Additional Information

N/A

Cleanup Program Summary

Installation Historic Activity

The Haines-Fairbanks pipeline was built in the mid-1950s to replace the western portion of the Canadian Oil (CANOL) pipeline. The CANOL pipeline was built during the 1940s to carry oil from the Norman Wells oil field to a refinery in Whitehorse, British Columbia. In October 1955 the Haines-Fairbanks pipeline was completed by independent contractors from Canada and the US. The pipeline was constructed from eight-inch diameter steel pipe. Soon after completion, the US military took possession of the pipeline. Fuel was shipped to the petroleum, oil, and lubricants (POL) terminal in Haines and was then transported 626 miles to Fairbanks via the pipeline. The pipeline operated for 17 years and ended operation in 1971 when the pipeline was purged.

In 1982, the Canadian government took control of the portion of the pipeline that was located in Canada. In 1991 the majority of the pipeline was removed from the right-of-way. Several pump stations were built along the pipeline. They were placed at Haines (Alaska), Border (British Columbia), Haines Junction (Yukon), Donjek (Yukon), and Tok (Alaska). When more throughputs were needed, six more pumping stations were built in Blanchard River, Destruction Bay, Beaver Creek, Lakeview, Sears Creek, and Timber. The Lakeview and Timber stations have been patented by the Bureau of Land Management (BLM) to the state of Alaska. Any further action on these two sites will be conducted under the FUDS program.

During its 17 years of operation, there were numerous leaks along the pipeline. In 1990, the USAG Alaska requested that the ADEC conduct an investigation of the HFT (HSN-01). In May 1990, the ADEC requested the US Environmental Protection Agency (USEPA) list HFT on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS). In February 1991 a preliminary assessment (PA) was finalized, and in January 1996 the site inspection (SI) was completed. The US Army, Alaska conducted an investigation of pathways for off-site migration identified in the 1996 SI, and removed a fire burn pit outside the HFT fenceline, known to contribute to surface water contamination. Numerous RAs have been conducted at the HFT. These actions included soil removal, in situ treatment, and continued monitoring for off-site migration.

Tok Fuel Terminal was the second largest pump station on the Haines Pipeline. The site covers about 50 acres and once housed large aboveground storage tanks (ASTs) and pipeline maintenance facilities. The terminal has undergone significant changes in recent years. During fiscal year (FY)03 the buildings and tanks were removed.

One other area being investigated is the Haines Pipeline right-of-way. The Haines Pipeline investigation (HNS-02) consists of about 39 acres along the original pipeline right-of-way. The acreage includes multiple small sites along the pipeline that represent only a small amount of the actual pipeline right-of-way. The remainder of the acreage is being investigated under other Army programs, including the FUDS program. The pump stations, including Sears Creek (HNS-03), were also part of the pipeline and consisted of facilities for boosting pumping capability and for pipeline maintenance. The Sears Creek terminal, located between Tok and Haines, Alaska, is about 9.8 acres and houses generators, pumps, ASTs, pigging or clean stations, and a burn pit area.

Installation Program Cleanup Progress

IRP

Prior Year Progress: No progress was made during FY12 for HNS-01. A decision document (DD) is being drafted for HNS-03. No progress was made during FY12 for HNS-04.

Future Plan of Action: An RI will be initiated and the AS system restarted for HNS-01. A remedial action in the form of an excavation will occur for HNS-03. Data gaps will be addressed in the RI/FS for HNS-04.

HAINES PIPELINE

Army Defense Environmental Restoration Program
Installation Restoration Program

IRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 23/20

Installation Site Types with Future and/or Underway Phases

3 POL (Petroleum/Lubricants) Lines
(HNS-01, HNS-03, HNS-04)

Most Widespread Contaminants of Concern

Light non-aqueous phase liquids (LNAPL), Metals, Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Media of Concern

Groundwater, Soil, Surface Water

Completed Remedial Actions (Interim Remedial Actions/ Final Remedial Actions (IRA/FRA))

Site ID	Site Name	Action	Remedy	FY
HNS-09	LUTAK BURN PIT	FRA	REMOVAL	1997
HNS-07	TANK 100 & MANIFOLD BUILDING	FRA	IN-SITU SOIL TREATMENT	1998
PBC at Haines	PBC	FRA	REMOVAL	2010

Duration of IRP

Date of IRP Inception: 199002

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 202010/202509

Date of IRP completion including Long Term Management (LTM): 205009

IRP Contamination Assessment

Contamination Assessment Overview

In 1992, an SI at HNS-01 was initiated which identified the presence of petroleum contaminants in soil, subsurface soils, surface water, and groundwater. The report, finalized in 1993, led to a follow-on investigation to determine if off-site migration was occurring. In January 1996 this second phase of the SI to confirm off-site migration of petroleum contaminants was completed and reported.

In October 1996, a groundwater control system, using oxygen-releasing compounds, was installed as a treatability study. Its goal was to determine if enhanced bioremediation could be used to slow or stop off-site migration of petroleum products. The results were inconclusive. During this same time frame, the Lutak fire burn pit, a major source of off-site surface water contamination, was excavated and the soil was thermally remediated.

In October 1997, a second treatability study was initiated with the installation of a high-vacuum extraction (HVE) system. The system was designed to remove and treat fuel-related compounds from groundwater and subsurface soil in the off-site migrating area. In December 2000 the system was deactivated due to inefficiency.

In October 2001, an air sparging (AS) treatability study was implemented to control volatile contaminant migration and meet the objective of minimizing potential off-site migration. This system is still on site. An efficiency evaluation is planned for FY12 and FY13 to determine if the sparging system is working at its optimum.

The Tok Fuel Terminal was a pumping and storage station for the Haines to Fairbanks pipeline operated by the Department of Defense. The terminal was used to regulate the pipeline. The facility was taken out of service in 1973, and was leased by the Government Services Administration to BLM in 1979. The fuel terminal had a fuel storage capacity of approximately 275,000 barrels in 133 bulk fuel storage tanks. The truck fill rack was used to fill tanker trucks with diesel fuel and motor gasoline. The housing and support facilities included the manifold building, mainline pump building, a garage and shop used to maintain equipment, and a power generator facility. In February 2002, an RI at Tok Fuel Terminal was initiated to investigate and evaluate subsurface contamination. The purpose of the study was to determine the extent of soil and groundwater contamination on the terminal. In 2003 a limited RI was completed that indicated two contaminated areas. The Generator Building area (about 250 by 250 feet) has solvent and petroleum contamination in the soil and groundwater. The Oil Rack area (about 50 by 50 feet) has high levels of petroleum and lead in the soil.

Investigation of the other sites comprising the Haines Pipeline and Sears Creek was initiated through the US Army Pacific Environmental Health Engineering Agency (USAPACEHEA). A PA level survey conducted at each of these sites identified various contaminants including VOCs and residual petroleum compounds.

The RI/feasibility study (FS) and a DD were completed at site HNS-02 in January 2010 under the PBC that was awarded in FY07.

Cleanup Exit Strategy

A PBC was awarded in FY07 to bring HNS-01 to RIP by May 2012 and to complete an RI/FS and a DD at HNS-03 and HNS-04. Limited RAs may be required at HNS-03 and -04. Operation of the AS trench to control off-site migration of VOCs at HNS-01, HFT, will continue. Upon achievement of response complete (RC), any necessary long-term management (LTM) of land use controls (LUC) will be performed.

IRP Previous Studies

	Title	Author	Date
1957			
	Products Pipeline, Haines to Fairbanks, Alaska, Operating Manual	USACE-AK	MAY-1957
1977			
	Design, Construction and Operation	CRREL	FEB-1977
1983			
	Pollution Spill Control Plans Petroleum Division Terminal, Haines, Alaska	Office of the District Engineer	JAN-1983
1989			
	Haines Landfill, Work Plan and A-E Quality Control Plan, Haines, Alaska	Ecology and Environment, Inc.	SEP-1989
1990			
	US Army Tank Farm and POL Dock Facility Lutak Inlet	US Fish and Wildlife Service	MAR-1990
1993			
	Final Report, Fuel Terminal Site Investigation, Haines, Alaska	Harding Lawson Associates	JUN-1993
1994			
	Groundwater Monitoring, Spring 1994, Landfill, Haines (Fuel Terminal), Alaska	USACE - Alaska District	AUG-1994
	Summary of Non-Nature Activities in Klukshu Reserve Area	Champagne and Aishihik First Nations	SEP-1994
	Remedial Investigation/Risk Assessment, Data Quality Objectives and Conceptual Site Models, Haines Fuel Terminal, Haines, Alaska	Harding Lawson Associates	OCT-1994
1995			
	Toxic and Hazardous Materials Survey, Haines Fuel Terminal Investigation, Haines, Alaska	Harding Lawson Associates	JUL-1995
	Preliminary Environmental Assessment, Haines-Fairbanks Pipeline	UMA Engineering Ltd.	AUG-1995
	Chemical Data Report Haines Fuel Terminal Landfill Groundwater Monitoring, Spring 1995	Harding Lawson Associates	OCT-1995
	Chemical Data Report, Haines Fuel Terminal Existing Wells, Groundwater Monitoring, Spring 1995	Harding Lawson Associates	OCT-1995
1996			
	Site Investigation Report, Haines Fuel Terminal, Haines, Alaska	Harding Lawson Associates	JAN-1996
	Haines Fuel Terminal and Tank Farm, Public Meeting, Transcript of Proceedings, May 20, 1996	Jacobs Engineering Group, Inc.	MAY-1996
	Soil Vapor/Groundwater Survey Work Plan Haines Fuel Terminal	Total Environmental Restoration Contract	MAY-1996
	Conceptual Site Model	Radian International LLC	JUN-1996
	Summary Report, Haines Fuel Terminal and Tank Farm, Public Meeting, May 20, 1996, Haines, Alaska	Ecology and Environment, Inc	JUL-1996
	Final, Community Relations Plan, Haines Fuel Terminal, Alaska	Jacobs Engineering Group, Inc.	AUG-1996
	Background Information for Preliminary Design Meeting, Haines Fuel Terminal, Haines, Alaska	Radian International LLC	AUG-1996
	Screening Human Health Risk Assessment, Haines Fuel Terminal	Jacobs Engineering Group, Inc.	AUG-1996
	Chemical Data Report, Groundwater Study, Spring 1996, Fuel Terminal, Haines, Alaska	USACE, Alaska District, Geotechnical Branch	SEP-1996

IRP Previous Studies

	Title	Author	Date
1996			
	Haines Fuel Terminal and Tank Farm Documents Public Information	Jacobs Engineering Group, Inc.	OCT-1996
	Tier 1 Ecological Risk Assessment, Haines Fuel Terminal	Jacobs Engineering Group, Inc.	NOV-1996
	Geophysical Survey, Haines Fuel Terminal	Radian International LLC	NOV-1996
1997			
	Geophysical Survey of the Goo Pit Area, Haines Fuel Terminal, Haines, Alaska	CRREL	MAR-1997
	PCB Survey Report, Delivery Order 7, Haines and Seward, Alaska	CH2M Hill	JUN-1997
	30% Design, Tank 100 High-Vacuum Extraction (HVE) Treatability Study, Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	JUN-1997
	Total Environmental Restoration Contract for Marine Study at Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	JUL-1997
	Haines Fuel Terminal: Geophysical Investigation of a Suspected Landfill Area (Interim Draft Report)	D.E. Lawson, et al., US Army - CRREL	JUL-1997
	Final Work Plan for Multiple Studies, Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	AUG-1997
	90% Design, Tank 100 High-Vacuum Extraction (HVE) Treatability Study, Haines Fuel Terminal	Radian International LLC	AUG-1997
	Summary Report Lutak Burn Pit Removal Action, Goo Pit Capping, and Control Measures Treatment System Construction, Haines Fuel Terminal	Radian International LLC	OCT-1997
1998			
	Focused Feasibility Study, Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	APR-1998
	Tank 104 Oxygen Releasing Compound (ORC) Slurry Treatability Study Report	Jacobs Engineering Group, Inc.	APR-1998
	Final ORC Treatability Study Midpoint Evaluation Report	Jacobs Engineering Group, Inc.	APR-1998
	Cultural Resource Survey of the Haines Fuel Terminal, Haines, Alaska: Final Report on the Archaeology of Tanani Point	Northern Land Use Research, Inc.	APR-1998
	Information Repository Tank 100 High Vacuum Extraction Treatability Study Performance Evaluation Report Haines Fuel Terminal Haines, Alaska	Jacobs Engineering Group, Inc.	APR-1998
	Final, Soil Classification Study, Summary Report, Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	APR-1998
	Final, ORC Treatability Study, Midpoint Evaluation Report, Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	APR-1998
	Final, Tank 104, Oxygen Releasing Compound (ORC) Slurry Treatability Study Report, Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	APR-1998
	Tank 100 Baseline Study Summary Report, Haines Fuel Terminal	Radian International LLC	APR-1998
	Tank 100 High-Vacuum Extraction Treatability Study, Performance Evaluation Report, Haines Fuel Terminal	Radian International LLC	APR-1998
	PCB Annual Document Logs, 1997, Haines Fuel Terminal, Haines, Alaska	CH2M Hill	JUN-1998
	Final, Preliminary Evaluation of Remedial Alternatives, Haines Fuel Terminal, Haines, Alaska	Jacobs Engineering Group, Inc.	AUG-1998
	Final Site Assessment Work Plan, Haines Fuel Terminal "Goo Pit", Haines, Alaska	EMCON Alaska, Inc.	SEP-1998

IRP Previous Studies

	Title	Author	Date
1998			
	Final, Work Plan for Tank 107, Haines Fuel Terminal, Haines, Alaska	ENSR	DEC-1998
	Haines Fuel Terminal Marine Environmental Impact Evaluation	Environment Consultants	DEC-1998
1999			
	Environmental Assessment of Department of Defense Activities on Native Resources and Lands in Southeast Alaska	P.V.T. Consulting, LLC	JAN-1999
	Detecting and Mapping Petroleum-Contaminated Soils with DC Resistivity	CRREL	JAN-1999
	Using DC Resistivity to Find and Map Petroleum-Contaminated Soils at the Haines Fuel Terminal, Haines, Alaska, Final Interim Report	CRREL	APR-1999
	Chemical Data Report Sentry Wells Soil and Groundwater Study DLA Fuel Terminal, Haines, Alaska	USACE, Alaska District	APR-1999
	Risk Assessment Report, Haines Fuel Terminal (Draft)	Radian International	MAY-1999
	Final Haines Fuel Terminal Tank 107 Release Investigation Report, Haines, Alaska	ENSR	MAY-1999
	PCB Annual Document Logs, 1998, Haines Fuel Terminal, Haines, Alaska	CH2M Hill	JUN-1999
	Technical Memorandum, Tank 100 High-Vacuum Extraction System Manifold Building Expansion, Haines Fuel Terminal	Radian International	JUL-1999
	Technical Memorandum Pipeline Removal and Abandonment	Jacobs Engineering Group, Inc.	AUG-1999
	Geologic, Geophysical and Hydrogeologic Investigations of the Haines Fuel Terminal	CRREL	AUG-1999
	Chemical Data Report Landfill Wells Groundwater Monitoring DLA Fuel Terminal, Haines, Alaska	USACE, Alaska District	SEP-1999
	Chemical Data Report Spring 1999 Groundwater, Surface Water, and Sediment Study, DLA Fuel Terminal, Haines, Alaska	USACE, Alaska District	SEP-1999
	Technical Memorandum, Soil Stockpile Decommissioning, Haines Fuel Terminal, Haines, Alaska, Final	Jacobs Engineering Group, Inc.	OCT-1999
	Final Corrective Action Report, Haines Fuel Terminal "Goo Pit", Haines, Alaska	EMCON Alaska, Inc.	OCT-1999
	Technical Memorandum Soil Stockpile Decommissioning Haines Fuel Terminal Haines, Alaska	Jacobs Engineering Group, Inc.	OCT-1999
	Central Council Tlingit and Haida Indian Tribes of Alaska, Tanani Point Environmental Monitoring Project	Carson Dorn Inc.	OCT-1999
	Haines Groundwater Monitoring Report - Tank 107 (for July 1999)	ENSR	DEC-1999
	Offshore Seismic Reflection Profiling Near the Haines Fuel Terminal, Alaska	CRREL	DEC-1999
2000			
	Technical Memorandum Tank 100 High-Vacuum Extraction System Expansion Summary Report, Haines Fuel Terminal (Draft)	Radian International	JAN-2000
	Technical Memorandum, Pipeline and Soil Stockpile Removal Action, Haines Fuel Terminal, Haines, Alaska, Final	Jacobs Engineering Group, Inc.	MAR-2000
	Tanani Subsistence	Northern Land Use Research, Inc.	MAR-2000

IRP Previous Studies

	Title	Author	Date
2000			
	Briefing Document for Meeting Between US Army and Chilkoot Indian Association	US Army	MAR-2000
	A DC-Resistivity and Ground-Penetrating Radar Investigation near Tank 100, Haines Fuel Terminal	CRREL	MAR-2000
	Chemical Data Report, Fall 1999 Groundwater, Surface Water, and Sediment Study, Haines Fuel Terminal	USACE - Alaska District	MAR-2000
	Technical Memorandum Tank 100 High-Vacuum Extraction System Expansion Summary Report	Radian International LLC	APR-2000
	Technical Memorandum, Tank 100 High-Vacuum Extraction System, Expansion Summary Report, Haines Fuel Terminal, Haines, Alaska, Final	Jacobs Engineering Group, Inc.	APR-2000
	X-Ray Diffraction Analysis of Marine Mud Aquitard, Haines Fuel Terminal, Haines, Alaska	CRREL	JUN-2000
	Seismic Profile Evidence for Offshore Flow Pathways near Tank 100, Haines Fuel Terminal, Haines, Alaska, Interim Report	CRREL	JUL-2000
	Bedrock Resistivity Investigations at the Haines Fuel Terminal, Alaska, Letter Report	CRREL	JUL-2000
	Offsite Migration Routes Interpreted from a DC Resistivity Model, Haines Fuel Terminal, Alaska	CRREL	SEP-2000
	Chemical Data Report Spring 2000 Groundwater, Surface Water, and Sediment Study, Haines Fuel Terminal, Haines, Alaska	USACE, Alaska District	SEP-2000
2001			
	Chemical Data Report, Haines Fuel Terminal Monitoring Fall 2000	USACE - Alaska District	JAN-2001
	Final Site Safety and Health Plan Addendum Haines Fuel Terminal Demolition 2001 Field Activities	Jacobs Engineering Group, Inc.	APR-2001
	Archaeological Monitoring of Soil Sample Trenches at the Haines Fuel Terminal Tanks 100 & 107	Northern Land Use Research, Inc.	MAY-2001
	Release Investigation Plan Tank 100, Haines Fuel Terminal, Haines, Alaska	CH2M Hill	JUN-2001
	Quality Assurance Program Plan Haines Fuel Terminal	CH2M Hill	JUL-2001
	Chemical Data Report Haines Fuel Terminal Monitoring (for spring 2001)	USACE, Alaska District	SEP-2001
	Asbestos Survey Report Various Buildings Haines Fuel Terminal, Haines, Alaska	EHS-Alaska, Inc.	SEP-2001
	Permeable Sparging Trench Treatability Study Work Plan Haines Fuel Terminal	CH2M Hill	OCT-2001
	Tank 100 Release Investigation Haines Fuel Terminal, Haines, Alaska	CH2M Hill	NOV-2001
	Haines Fuel Terminal Monitoring Well Network Status Report, Haines, Alaska	ENSR	DEC-2001
	Haines Fuel Terminal 2001 Hazardous Waste Report	Emerald Services, Inc.	DEC-2001
2002			
	Sampling Event Summary Report Tank 100/HVE System Tank 107	Jacobs Engineering Group, Inc.	JAN-2002
	Remedial Investigation Tank 107, Haines Fuel Terminal	ENSR International	JAN-2002
	Treatability Study Startup Report Haines Fuel Terminal	CH2M Hill	MAR-2002
	Final Revised Haines Fuel Terminal October 2001 Chemical Data Report	ENSR	MAY-2002

IRP Previous Studies

	Title	Author	Date
2002			
	Analytical results for submitted samples	ANALYTICA	JUN-2002
	Treatability Study Monitoring Haines Fuel Terminal Haines, Alaska	CH2M Hill	JUL-2002
	Haines Fuel Terminal Well Decommissioning Technical Memorandum	ENSR	AUG-2002
	Permeable Sparging Trench Treatability Study Monitoring Report (June - Nov. 2002), Haines Fuel Terminal, Haines, Alaska	CH2M Hill	DEC-2002
2003			
	Paleochannel Investigation, Haines Fuel Terminal	CH2M Hill	FEB-2003
	Draft CLOSES Evaluation Haines Fuel Terminal	CH2M Hill	APR-2003
	Preliminary Summary of Groundwater Flow Derived From the CRREL Flow Probes	CRREL & USACE	JUN-2003
	Permeable Sparging Trench Semi-Annual Treatability Study Monitoring Report (Dec. 2002 - May 2003)	CH2M Hill	AUG-2003
	Permeable Sparge Trench Augmentation Report, Haines Fuel Terminal	CH2M Hill	AUG-2003
	Soil Gas Screening Survey Report, Haines Fuel Terminal	CH2M Hill	AUG-2003
	Bollard Installation and Depth-to-Water Measurements, Tok Fuel Terminal	USACE, Alaska District	SEP-2003
	Hazardous Materials Condition Survey Haines Pumping Station	Bethel Services, Inc. & Environmental Health Services, Inc.	SEP-2003
	Tech Memo, Oil Removal, Haines Fuel Terminal, Haines	CH2M Hill	OCT-2003
	Final Tok Fuel Terminal Preliminary Remedial Investigation Report, Tok AK	USACE	DEC-2003
2004			
	Final OM&M Manual Haines Fuel Terminal, Alaska	CH2M Hill	FEB-2004
	2003 COELT Deliverables Haines Fuel Terminal, Alaska	CH2M Hill	FEB-2004
	Jan/Feb 2004 COELT Deliverables Haines Fuel Terminal	CH2M Hill	FEB-2004
	2003 Annual Monitoring Report, Haines Fuel Terminal	CH2M Hill	FEB-2004
	Final Site Investigation Report, Haines Fuel Terminal Tanani Point Burn Pit Site Investigation, Soil Excavation, Assessment, and Disposal	BNC International, Inc.	APR-2004
	Final Tok Fuel Terminal Preliminary Remedial Investigation Report	USACE - Alaska District	MAY-2004
	Remedial Action Report Tok Fuel Terminal Demolition	HLA/Wilder Joint Venture	MAY-2004
	Semi-Annual Monitoring Report Haines Fuel Terminal (Jan-May 2004)	CH2M Hill	JUL-2004
	Well Installation Report, Haines Fuel Terminal	CH2M Hill	DEC-2004
2005			
	Evaluation of Source Areas, Haines Fuel Terminal	CH2M Hill	JAN-2005
	Haines Fuel Terminal Tanani Point Data Package (Lab Work Order B4J0122)	North Creek Analytical, Inc.	FEB-2005

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	Title	Author	Date
2005			
	2004 Annual Monitoring Report Haines Fuel Terminal	CH2M Hill	FEB-2005
	Evaluation of Source Areas, Haines Fuel Terminal	CH2MHILL	MAR-2005
	Final Technical Memorandum for Haines Fuel Terminal Tanani Point Burn Pit Mod No. 2 Bedrock Investigation	BNC International, Inc.	MAY-2005
	Semi-Annual Monitoring Report, Haines Fuel Terminal	CH2M Hill	JUL-2005
2006			
	Technical Memorandum Haines Fuel Terminal OM&M Summary, November 2005 through February 2006	CH2M Hill	FEB-2006
	2005 Annual Monitoring Report Haines Fuel Terminal	CH2M Hill	AUG-2006
2007			
	Semi-Annual Monitoring Report, Jan 06 - Jun 06 Haines Fuel Terminal	CH2M Hill	JAN-2007
	Final Remedial Action Report Haines Fuel Terminal Building Demolition	BNC International, Inc.	JAN-2007
	2006 Annual Monitoring Report, Haines Fuel Terminal	CH2M Hill	FEB-2007
	Final Project Management Plan, Haines-Fairbanks Pipeline	North Wind	JUL-2007
	2007 Semi-Annual Monitoring Report Haines Fuel Terminal	CH2M Hill	AUG-2007
	Final QA Project Plan	North Wind	AUG-2007
	Final Waste Management Plan	North Wind	AUG-2007
	Final Operation Maintenance and Monitoring Plan	North Wind	AUG-2007
	Final RA Work Plan Contaminated Soil Stockpiles at Former Tank 100 Location	North Wind	SEP-2007
	Limited Feasibility Study of In Situ Remedial Alternatives for the Paleochannel Beneath Lutak Road, Haines Fuel Terminal	CH2MHILL	OCT-2007
	Technical Memorandum for Field Activities at the Haines Fuel Terminal	North Wind, Inc.	DEC-2007
	Technical Memorandum for Field Activities at the Tok Fuel Terminal	North Wind, Inc.	DEC-2007
	Technical Memorandum for Field Activities at the Pipeline Sites	North Wind, Inc.	DEC-2007
	Technical Memorandum for Field Activities at the Sears Creek Station	North Wind, Inc.	DEC-2007
2008			
	Tok Fuel Terminal SI Report	North Wind, Inc.	JUN-2008
	Final 2007 Haines Fuel Terminal Annual Report	North Wind, Inc.	JUN-2008
	Sears Creek Station SI Report	North Wind, Inc.	JUL-2008
	Pipeline Sites SI Report	North Wind, Inc.	JUL-2008
	2008 Update to the Project Management Plan Haines-Fairbanks Pipeline Environmental Remediation Services	North Wind, Inc.	AUG-2008
	Technical Memorandum 2008 Field Activities, Including Free Product Recovery, Additional Characterization, and Groundwater Monitoring, at the Haines Fuel	North Wind, Inc.	NOV-2008

IRP Previous Studies

	Title	Author	Date
2008			
	Terminal		
	Technical Memorandum 2008 Field Activities at the Tok Fuel Terminal	North Wind, Inc.	NOV-2008
	Technical Memorandum 2008 Field Activities at the Sears Creek Station	North Wind, Inc.	NOV-2008
2009			
	Technical Memorandum for Spring 2009 Groundwater and Surface Water Monitoring at the Haines Fuel Terminal	North Wind, Inc.	JUN-2009
	Technical Memorandum for Remedial Action - Excavation and Sampling at the AP-173 Area, Haines Fuel Terminal	North Wind, Inc.	AUG-2009
	Technical Memorandum for Remedial Action - Excavation and Sampling at the Former Administrative Area Utility Building, Haines Fuel Terminal	North Wind, Inc.	SEP-2009
	Technical Memorandum for Remedial Action - Excavation and Sampling at the Former Tank 100 Area, Haines Fuel Terminal	North Wind, Inc.	SEP-2009
	Technical Memorandum for Fall 2009 Groundwater and Surface Water Monitoring at the Haines Fuel Terminal	North Wind, Inc.	NOV-2009
	Technical Memorandum for Operation, Maintenance, and Monitoring of the Air Sparge Trench System for the First Half of the Second Option Year of the Contract at the Haines Fuel Terminal	North Wind, Inc.	NOV-2009
	Final Pipeline Sites Remedial Investigation Report, Haines-Fairbanks Pipeline Environmental Remediation Services	North Wind, Inc.	DEC-2009
2011			
	Draft 2010 Haines Fuel Terminal Annual Report, Haines-Fairbanks Pipeline	North Wind Inc.	JUN-2011
2012			
	Draft Final Decision Document for Sears Creek Station, Haines-Fairbanks Pipeline, North Wind, Inc.	USAG FWA	SEP-2012

HAINES PIPELINE

Installation Restoration Program

Site Descriptions

Site ID: HNS-01
Site Name: HAINES FUEL TERMINAL (HFT)

STATUS

Regulatory Driver: CERCLA

RRSE: MEDIUM

Contaminants of Concern: Light non-aqueous phase liquids (LNAPL), Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Media of Concern: Groundwater, Soil, Surface Water

Phases	Start	End
PA	199206	199403
SI	199206	199406
RI/FS	199406	201909
RD	201910	202004
IRA	200209	201909
RA(C)	202009	202010
RA(O)	202010	202509
LTM	202510	205009

RIP Date: 202010

RC Date: 202509

SITE DESCRIPTION

The HFT was constructed in 1954 to provide facilities for fuel storage, docking and discharging tankers, and a pipeline system to military installations in the vicinity of Fairbanks. From 1955 - 1971 the HFT was an active fuel storage and pumping facility, in which activities ceased in 1988. Contamination was identified at the site in 1990 which consisted of leaking underground storage tanks (USTs) and transformers, three burn pits used for waste fuels and solvent disposal, and potential past use of dioxin containing herbicides. Subsequent investigations confirmed off-site migration of petroleum contaminants; however, evidence of dioxin contamination was not found.

A Performance Based Contract (PBC) was awarded to Northwind, Inc. in April 2007 which will expire in April of 2012. Under the PBC, on-site sources were monitored and investigated with additional well installation and sampling as part of the Remedial Investigation (RI). The site has seen treatment of on-site soil stockpile, and continued site-wide monitoring and Air Sparging (AS) system installed and operated as an Interim Remedial Action (IRA). Recently, the AS system has not been operational; due to its age and state, it is pending an evaluation to determine how much of the system will need to incur repair. In conjunction an in-house study through the Corps of Engineers and Army Environmental Command is being explored to determine the effectiveness of the system. The most recent deliverable received for the site was the Draft 2010 Annual Monitoring Report which summarized and consolidated monitoring data acquired during FY10.

The 2010 Annual Monitoring Report results indicated that contamination is still prevalent at the HFT. The contaminants of concern (COC) are specified in the report with respect to a generalized location at the HFT. In the Northern Tank Farm Area, the COCs above ADEC cleanup levels for groundwater were Gasoline Range Organics (GRO), 1,2,4-Trimethyl benzene (1,2,4-TMB), 1,3,5-Trimethylbenzene (1,3,5-TMB). Surface water collected at the on-site seep in the Northern Tank Farm Area showed 1,2,4-TMB and Total Aromatic Hydrocarbon concentrations above cleanup levels. The Paleochannel Area groundwater samples indicated exceedances of GRO, DRO, benzene, 1,2,4-TMB, and 1,3,5-TMB. In the Paleobasin Area, groundwater contamination above the ADEC cleanup levels for benzene, 1,2,4-TMB, and 1,3,5-TMB were evident in the samples. The Former Administration Area, 1,2,4-TMB was above cleanup levels in one well. Soil stockpile constituent analysis indicated 1,2,4-TMB contamination above the ADEC approved Method II cleanup level. Lastly, free-product was observed in four wells (out of 25); approximately five gallons of free-product was recovered in 2010. No additional monitoring or sampling occurred at the site in 2011.

A new contract will be pursued in FY13 to summarize the work done across the site to date; the contract will serve to identify any remaining data gaps, and will incorporate the operation and maintenance of the existing IRA (AS system). The proposed Remedial Investigation and Feasibility Study (RI/FS) will encompass a historic site investigation and identification of data gaps. Subsequently, the site remedial efforts will follow the CERCLA process due to the occurrence of CERCLA contaminants on-site. Operations and maintenance of the existing AS system will continue until a long term remedial action (RA) is identified through the RI/FS process. It is assumed that the RA chosen will be an expanded or replacement AS system and that waste will be left in place and therefore LTM will be needed.

Site ID: HNS-01
Site Name: HAINES FUEL TERMINAL (HFT)

CLEANUP/EXIT STRATEGY

After the RI, it is assumed that the RA chosen will be an expanded or replacement AS system and that waste will be left in place and therefore LTM will be needed.

Site ID: HNS-03
Site Name: SEARS CREEK STATION

STATUS

Regulatory Driver: CERCLA

RRSE: LOW

Contaminants of Concern: Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Media of Concern: Soil

Phases	Start	End
PA	199310	199310
SI	199310	199310
RI/FS	200506	201210
RD	201011	201212
RA(C)	201301	201308
RA(O)	201309	201609

RIP Date: 201309

RC Date: 201609

SITE DESCRIPTION

Sears Creek Station is a 9.8-acre site that was the location of a booster-pump facility for the Haines-Fairbanks Pipeline. Structures on-site included a single-story composite building that housed generators and pumps, two ASTs (500-barrel and 1400-barrel), a dewatering tower, and a scraper trap. Site access is restricted by a chain-link fence with a locked gate.

A 1995 preliminary assessment completed by the US Army Pacific Environmental Health Engineering Agency determined that the relative risk at this site was low because there was no apparent immediate threat to human health and the environment. Remedial Investigations conducted in 2007 - 2008 covered the following areas: former all-purpose warehouse, AST area, burn pit, composite building, pigging station/diesel fuel transfer pump, scraper trap, septic system leach field, UST and fuel dispensing area, and former valve manifold building. The results of the RI indicate that the extent of soil contamination above Alaska Department of Environmental Conservation (ADEC) cleanup levels is limited to the burn pit. The contaminants of concern are Gasoline Range Organics, Diesel Range Organics, 1,1,2-trichloroethane, 1,2,4-trimethylbenzene, and 2-methylnaphthalene and methylene chloride in the soil. Sampling data indicate that groundwater has not been impacted by past operations at the facility.

The Decision Document for the site is currently under review and expected to be finalized by the end of April 2012. Remedial action planned for 2013 field season includes excavating contaminated soil from the burn pit and on-site ex situ land-spreading of the excavated soil.

Excavation of approximately 1,500 cubic yards of soil potentially contaminated with fuel and/or fuel constituents is expected. The excavation is expected to have a footprint of approximately 1,500 square feet and extend to a depth of approximately 30 feet. The soil will be land-spread in a one foot thick layer on the liner.

It is anticipated that the contaminated soils will take at least three years to reach the remedial action objectives. During that time, monitoring of the soil will take place four times: immediately after land-spreading (to establish a baseline), and annually for three years.

It is expected that after three years of monitoring, after the remedial action, regulatory standards will be met which would allow the site to be considered for unlimited use/unrestricted exposure.

CLEANUP/EXIT STRATEGY

The remedial action being pursued is landspreading with monitoring for three years. It is expected that the site will be closed with NFA after the selected RA is complete.

Site ID: HNS-04
Site Name: TOK TERMINAL SI

STATUS

Regulatory Driver: CERCLA

RRSE: MEDIUM

Contaminants of Concern: Metals, Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	199310	199312
SI	199310	199312
RI/FS	200505	201809
RD	201810	201904
RA(C)	201905	201910
LTM	201910	204910

RIP Date: N/A

RC Date: 201910

SITE DESCRIPTION

The Tok Fuel Terminal (TFT), the second largest pumping station and storage facility on the Haines-Fairbanks pipeline, operated on this site from the mid-1950s until 1979. The site is about 127 acres, with the tank farm located on a hill above the handling facilities (Main Terminal). The TFT included a tank farm with 13 Aboveground Storage Tanks (ASTs), manifold building, mainline pump building, maintenance and services building (Butler building), warehouse-garage-shop building, truck loading rack, incinerator, storage buildings, utility building that housed boilers, generators and a deep water well, water tank building, and quarters for site personnel. All structures were removed during 2002 - 2003.

In 2007 a Remedial Investigation (RI) was initiated and a draft RI report was produced in 2010; however, significant data gaps were noted; therefore, the RI was not finalized. The landfills are one of the sources at the TFT providing for data gaps. Geophysical surveys have confirmed the presence of buried waste at the NW and SE landfills; yet, the acquired chemical data is insufficient to evaluate risk and determine if future remediation efforts at the landfills are necessary. Soil sample analysis from soils collected adjacent to the SE landfill indicates that trichloroethylene (TCE) is present. The TCE was also detected in groundwater. Since, no further investigations have been conducted at the SE landfill, there is uncertainty concerning the extent and magnitude of the TCE contamination at this location.

There is also uncertainty surrounding the location of a potential burned sludge dump site which may exist near the Ski Hill. Typically, burned sludge dump sites pose an increased risk for soil and groundwater contamination. Also, the constituent 1,2-dibromomethane (EDB), commonly used as a lead scavenger in fuels, was detected in the soil and groundwater. Since the analytical reporting limits for EDB are greater than ADEC cleanup levels, the magnitude of EDB contamination is not resolved, which constitutes a data gap.

The draft RI also indicates several additional issues that require resolution. In the former Oil Rack Area and at the AST Area lead contamination exceeded the human health ADEC default Method 2 cleanup level based on direct contact. Diesel Range Organics (DRO) exceeded ADEC levels for groundwater protection in soils at the Former Main Pump Building, Former Oil Rack Area, Former Manifold Building and AST Area. DRO was also detected in groundwater at concentrations exceeding ADEC groundwater cleanup levels. Residual Range Organics (RRO) exceeded cleanup levels at the Former Oil Rack Area, the Former Burn Pit and the Former Butler Building. Perchloroethene (PCE) contamination exceeded cleanup levels based on groundwater protection standards in surface and subsurface soils adjacent to the former Main Pump and Butler buildings. The PCE was also detected in groundwater at concentrations exceeding the applicable ADEC cleanup level.

The installation, ADEC, and the Army Environmental Command agreed after a review of the draft RI, that site characterization needs to be more resolved. Specific data gaps include lack of sufficient groundwater data for modeling and, in general, lack of adequate characterization of the site (e.g., uncertainties in characterizing the extent of the landfills, contaminant plume of the burned sludge dump, and contamination at the former large bulk fuel tank locations, etc.). A new contract to finalize the draft RI will be pursued in FY13 which will address data deficiencies and provide alternatives or suggestions as to how to best remediate the site. It is assumed that the RI will indicate that remedial action (RA) in the form of excavation in conjunction with land use controls (LUC) will be part of the remedial strategy. It is likely, since there is groundwater contamination that continued monitoring

will ensue after the remedial action is complete.

CLEANUP/EXIT STRATEGY

It is assumed that the RI will indicate that RA in the form of excavation in conjunction with LUCs will be part of the remedial strategy. It is likely, since there is groundwater contamination that continued monitoring will ensue after the remedial action is complete, in the form of LTM.

Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
HNS-02	HAINES PIPELINE INVESTIGATION	201001	ADEC Closure Letter from January 2010
HNS-05	LAKEVIEW STATION	199312	Transferred to FUDS
HNS-06	TIMBER STATION	199406	Transferred to FUDS
HNS-07	TANK 100 & MANIFOLD BUILDING	199710	Combined into HNS-01
HNS-08	MANIFOLD BUILDING	199812	Combined into HNS-01
HNS-09	LUTAK BURN PIT	199610	Combined into HNS-01
HNS-10	DRUM STORAGE AREA	199903	Combined into HNS-01
HNS-11	TANK 101	199903	Combined into HNS-01
HNS-12	TANK 102	199903	Combined into HNS-01
HNS-13	TANK 103	199903	Combined into HNS-01
HNS-14	TANK 104	199903	Combined into HNS-01
HNS-15	TANK 105	199903	Combined into HNS-01
HNS-16	TANK 106	199903	Combined into HNS-01
HNS-17	TANK 107	199903	Combined into HNS-01
HNS-18	TANK 108	199903	Combined into HNS-01
HNS-19	TANK 109	199903	Combined into HNS-01
HNS-20	TANK 110	199903	Combined into HNS-01
HNS-21	TANK 111	199903	Combined into HNS-01
HNS-22	TANK 112	199903	Combined into HNS-01
PBC at Haines	PBC	201103	

IRP Schedule

Date of IRP Inception: 199002

Past Phase Completion Milestones

1990	
PA	(HNS-07 - TANK 100 & MANIFOLD BUILDING, HNS-08 - MANIFOLD BUILDING, HNS-09 - LUTAK BURN PIT, HNS-10 - DRUM STORAGE AREA, HNS-11 - TANK 101, HNS-12 - TANK 102, HNS-13 - TANK 103, HNS-14 - TANK 104, HNS-15 - TANK 105, HNS-16 - TANK 106, HNS-17 - TANK 107, HNS-18 - TANK 108, HNS-19 - TANK 109, HNS-20 - TANK 110, HNS-21 - TANK 111, HNS-22 - TANK 112)
1994	
SI	(HNS-01 - HAINES FUEL TERMINAL (HFT), HNS-02 - HAINES PIPELINE INVESTIGATION, HNS-03 - SEARS CREEK STATION, HNS-04 - TOK TERMINAL SI, HNS-05 - LAKEVIEW STATION, HNS-06 - TIMBER STATION)
PA	(HNS-01 - HAINES FUEL TERMINAL (HFT), HNS-02 - HAINES PIPELINE INVESTIGATION, HNS-03 - SEARS CREEK STATION, HNS-04 - TOK TERMINAL SI, HNS-05 - LAKEVIEW STATION, HNS-06 - TIMBER STATION)
1995	
PA	(PBC at Haines - PBC)
1996	
SI	(HNS-07 - TANK 100 & MANIFOLD BUILDING, HNS-08 - MANIFOLD BUILDING, HNS-09 - LUTAK BURN PIT, HNS-10 - DRUM STORAGE AREA, HNS-11 - TANK 101, HNS-12 - TANK 102, HNS-13 - TANK 103, HNS-14 - TANK 104, HNS-15 - TANK 105, HNS-16 - TANK 106, HNS-17 - TANK 107, HNS-18 - TANK 108, HNS-19 - TANK 109, HNS-20 - TANK 110, HNS-21 - TANK 111, HNS-22 - TANK 112)
RI/FS	(HNS-07 - TANK 100 & MANIFOLD BUILDING, HNS-08 - MANIFOLD BUILDING, HNS-09 - LUTAK BURN PIT, HNS-10 - DRUM STORAGE AREA, HNS-11 - TANK 101, HNS-12 - TANK 102, HNS-13 - TANK 103, HNS-14 - TANK 104, HNS-15 - TANK 105, HNS-16 - TANK 106, HNS-17 - TANK 107, HNS-18 - TANK 108, HNS-19 - TANK 109, HNS-20 - TANK 110, HNS-21 - TANK 111, HNS-22 - TANK 112)
RD	(HNS-09 - LUTAK BURN PIT)
1997	
RD	(HNS-07 - TANK 100 & MANIFOLD BUILDING)
RA(C)	(HNS-09 - LUTAK BURN PIT)
1998	
RA(O)	(HNS-07 - TANK 100 & MANIFOLD BUILDING)
LTM	(HNS-07 - TANK 100 & MANIFOLD BUILDING)
RA(C)	(HNS-07 - TANK 100 & MANIFOLD BUILDING)
2010	
RA(C)	(PBC at Haines - PBC)
RI/FS	(HNS-02 - HAINES PIPELINE INVESTIGATION, PBC at Haines - PBC)
2011	
RA(O)	(PBC at Haines - PBC)

Projected Phase Completion Milestones

See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

Site ID	Site Name	ROD/DD Title	ROD/DD Date
HNS-03	SEARS CREEK STATION	Sears Creek Excavation and Landspreading	20120901
HNS-04	TOK TERMINAL SI	Tok Fuel Terminal Removal	20180901

IRP Schedule

Final RA(C) Completion Date: 202010

Schedule for Next Five-Year Review: 2017

Estimated Completion Date of IRP at Installation (including LTM phase): 205009

HAINES PIPELINE IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
HNS-01	HAINES FUEL TERMINAL (HFT)	RI/FS						
		RD						
		IRA						
		RA(C)						
		RA(O)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY13**	**FY14**	**FY15**	**FY16**	**FY17**	**FY18+**
HNS-03	SEARS CREEK STATION	RI/FS						
		RD						
		RA(C)						
		RA(O)						
SITE ID	**SITE NAME**	**PHASE**	**FY13**	**FY14**	**FY15**	**FY16**	**FY17**	**FY18+**
HNS-04	TOK TERMINAL SI	RI/FS						
		RD						
		RA(C)						
		LTM						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 199608

Restoration Advisory Board (RAB): RAB established 199702

RAB Adjournment Date: N/A
RAB Adjournment Reason: None

Additional Community Involvement Information

The surrounding communities for the HFT (HNS-01) site are in the Haines Borough, Alaska (population about 2,275). A community relations plan was published in August 1996. This plan still continues to meet the needs of the installation.

A RAB was established in February 1997. The RAB includes members from the business community, local environmental groups, and local residents. The RAB also includes members of local Native American organizations, the Klukwan and Chilkoot Tribes. Government members include individuals from the ADEC.

RAB meetings are held twice a year and focus on current and planned activities at the HFT including review of documents and priorities. RAB members have been provided technical presentations to help them better understand the cleanup processes and technologies in place at the HFT. Brief updates on HNS-02, HNS-03, and HNS-04 are also provided. Active RAB members have provided advice on cleanup studies and presented their concerns. The last meeting occurred in June 2010. RAB meeting attendance was minimal and interest in a RAB was not expressed.

Administrative Record is located at

DPW Environmental Office
3023 Engineer Place
Fort Wainwright, AK 99703
(907) 361-4219

Information Repository is located at

Haines Borough Public Library
111 3rd Ave. South
Haines, AK 99827
Phone number: (907) 766-2545

Current Technical Assistance for Public Participation (TAPP): N/A

TAPP Title: N/A

Potential TAPP: N/A