FY 2006 DEC Brownfield Assessment Request Program

Contaminated Sites Program – Brownfield Team

Phase I Environmental Site Assessment
Former West Cook Inlet Construction Yard

Final Report

ALASKA
Department of
Environmental
Conservation

Prepared for:

Department of Environmental Conservation
610 University Ave
Fairbanks, Alaska 99709

and

Kenai Peninsula Borough, Risk Management
144 N Binkley
Soldotna, Alaska 99669

Prepared by:
OASIS Environmental, Inc
825 West 8th Avenue, Ste 200
Anchorage, Alaska 99501

June 2006

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ATTACHMENTS

Acronyms and Abbreviations

° F	Degrees Fahrenheit
ASTM	American Society of Testing and Materials
DEC	Department of Environmental Conservation
ESA	Environmental site assessment
KPB	Kenai Peninsula Borough
OASIS	OASIS Environmental, Inc.
PRC	Pacific Rehab Contractors
WCIC	West Cook Inlet Contractors

1.0 INTRODUCTION

1.1 Purpose

This document presents the results of a Phase I Environmental Site Assessment (ESA) conducted by OASIS Environmental, Inc. (OASIS) at the request of the Alaska Department of Environmental Conservation (DEC) for the Kenai Peninsula Borough (KPB). OASIS performed this ESA in conformance with the American Society for Testing and Materials (ASTM) E 1527-05 guidance document *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*.

The purpose of this ESA is to identify *recognized environmental conditions* and evaluate the likelihood that the Former West Cook Inlet Construction Yard property (hereafter "the site") has been impacted with hazardous materials or petroleum products from past or current activities conducted on or near the site.

ASTM E 1527-05 defines the term *recognized environmental condition* as the presence or likely presence of any hazardous substances or petroleum products on a property under circumstances that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. A recognized environmental condition may include the presence or likely presence of hazardous substances or petroleum products under conditions in compliance with laws. Recognized environmental conditions do not include *de minimus* conditions that do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies (ASTM 2005).

This report includes a review of publicly available regulatory records, databases, and aerial photographs; interviews with persons knowledgeable about the property's use and history; and a site reconnaissance conducted by an OASIS representative.

1.2 Significant Assumptions

Environmental assessments provide information regarding the environmental condition of a particular property or facility. This report is a professional opinion and judgment, dependent upon information obtained during the course of performance of the services.

Environmental conditions may exist at the site that cannot be identified only by visual observation. Where the scope of services is limited to observations made during site reconnaissance, interviews, and/or review of readily available reports and literature, any conclusions and/or recommendations are necessarily based in part on information supplied by others, the accuracy or sufficiency of which may not be independently reviewed by OASIS.

No investigation is thorough enough to exclude the presence of hazardous substances, petroleum products, or contamination resulting from spills of these products at a given site. Therefore, if no hazardous substances or materials or petroleum products are identified during the assessment, such a finding should not be construed as a guarantee of the absence of such materials or contamination due to such materials on the property, but rather should only be considered the results of services performed within the scope, limitations, and cost of the work performed.

1.3 Limitations and Exceptions

Any opinions and/or recommendations presented apply to site conditions existing at the time of performance of services. OASIS is unable to report on or accurately predict events that may impact the site following performance of the described services, whether occurring naturally or caused by external forces. OASIS assumes no responsibility for conditions that OASIS is not authorized to investigate, or conditions generally recognized as environmentally unacceptable at the time services are performed. OASIS is not responsible for changes in applicable environmental standards, practices or regulations following performance of services.

Preparation of this ESA did not include the collection or analysis of soil, groundwater, surface water, or air samples.

1.4 Special Terms and Conditions

The ESA activities were conducted in accordance with ASTM guidelines (E 1527-05) for ESAs, and practices and procedures generally accepted in the consulting engineering field. Our professional judgment to assess the potential for contamination is based on limited data; no other warranty is given or implied by this report.

1.5 User Reliance

This document was prepared for the sole use of DEC and KPB, their affiliates, entities, lenders and their employees, agents, and contractors. No other party should rely on the information contained herein without prior written consent of OASIS, DEC, and KPB.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Former West Cook Inlet Construction Yard is a 1.6-acre tract located in the Three Mile Creek Subdivision near Beluga, Alaska (see Figure 1). The site is located on the corner of Beluga Highway and Eagles Nest Court (see Figure 2). The legal description of the site is provided below:

- Section 9 NW 1/4, Township 12 North, Range 10 West, Seward Meridian
- KPB Parcel No. 21127001, Lot 1, Block 1, Three Mile Creek Subdivision
- Latitude: 61.150 North; Longitude: 151.066 West

The site is located in a rural residential area.

2.2 Environmental Setting

This section presents brief summaries of the climate, geology, soils, surface water hydrology, and demographics in the vicinity of the site.

Climate

Beluga is located in the transitional zone between maritime and sub-arctic continental climatic conditions. Average climatic data for Beluga include the following average data (ADCCED 2006):

- Average Winter Temperatures: 4 – 22 degrees Fahrenheit (°F)
- Average Summer Temperatures: 46 – 65 °F
- Annual Precipitation: 23 inches
- Annual Snowfall: 82 inches

Soils

Based on United States Department of Agriculture's Soil Conservation Service, the prominent soil in the area of the site is peat with very slow infiltration rates (USDA 2006). During the site reconnaissance, surface soil was observed to be silty-sands.

Hydrology

No defined surface water drainage pattern is present at the site. Water is assumed to infiltrate to groundwater. Cook Inlet is located approximately ¼-mile to the east, and OASIS assumes that the prevailing direction of water flow is to the east.

Demographics

No individuals live or work at the site. The nearest residence is located across Beluga Highway. The town of Beluga supports mostly a seasonal or worker population. The Beluga Power Plant is located approximately 3 miles north of the site, and natural gas fields are located both onshore and offshore. Many of the homes in the area are used only in the summer for commercial fishing or recreation.

2.3 Site Ownership

The site is owned by KPB. The borough has leased the property in the past, but the property currently is unoccupied. The most recent lessee was West Cook Inlet Contractors (WCIC), a former oil-field service company, who leased the property from November 15, 1983 to March 14, 1989 (KPB 2005).

2.4 Site History and Current Use

WCIC utilized the site for storage of heavy equipment and materials. KPB reported that repairs and maintenance possibly occurred on the site. After WCIC's lease expired with KPB on March 14, 1989, WCIC continued unauthorized occupation of the site. WCIC declared bankruptcy in 1993, and Pacific Rehab Constructors (PRC) purchased WCIC's equipment from the bank that foreclosed on WCIC. PRC continued the unauthorized use of the site, and in 1995, KPB determined PRC had moved additional equipment to the site. By late 1997, PRC ceased occupying the site, but they did not remove all their equipment and materials. The site has had no other occupancy. No structures are located on the site (DEC 2005a).

KPB identifies the site as residential property, and the site is located in an area of rural, residential development. Some of the residences in the area utilize shallow groundwater for drinking water, and one of the central concerns with the site is whether potential contamination at the site has impacted groundwater (DEC 2005a).

2.5 Adjoining Property Uses

The adjoining properties to the northeast and southeast are undeveloped, privately owned lots. The property to the southwest is also privately owned and is used as a storage yard. The property contains numerous abandoned vehicles and trailers, and various solid wastes. The Beluga Highway is located to the northwest. Across the road is a private residence and Three Mile Creek Services Inc., a business that supports the natural gas industry and provides general services for the community. Figure 2 shows the adjoining properties.

3.0 ASSESSMENT

3.1 Records Review

OASIS reviewed DEC's file for the site and confirmed dates and actions with KPB personnel. The following list details the chain of events that have transpired at the site. Unless otherwise noted, the source of the information is a letter from KPB to DEC (KPB 2005).

- On April 10, 1993, a citizen complaint was filed with DEC regarding the presence of "…batteries, spilled used motor oil, antifreeze, junk…" on the site (DEC 1993).
- DEC conducted a site visit on April 27, 1993. Observations included miscellaneous solid waste, oil spills, broken and discarded lead-acid batteries, junk vehicles and equipment, drums and containers of oil and unknown contents (many of which were damaged and leaking), soil staining, and an unknown crystalline residue resulting from spills as well as other general housekeeping problems. A strong petroleum odor was present, and evidence of soil contamination was apparent throughout the site (DEC 2005b).
- On August 10, 1994, KPB sent a letter to PRC indicating that KPB was aware that PRC was bringing additional equipment to the site. KPB served notice that use of the site was "…not authorized and all material and equipment [should] be removed by September 10, 1994."
- On March 24, 1995, KPB sent a letter to PRC recognizing that former WCIC equipment was purchased by PRC and that all material and equipment should be removed as soon as possible from the site.
- An internal KPB e-mail from June 3, 1997 indicated that the Beluga Landfill Operator performed a hazardous materials survey in 1996. Six heavy equipment batteries, 42 vehicle batteries, and 25 55-gallon drums were staged for removal through KPB's Haz-Waste Turn-In program.
- On June 7, 1997, KPB sent a letter to PRC ordering them to vacate the property and remove all equipment and materials. The letter noted that disposal costs for any equipment or materials left behind would be the responsibility of PRC.
- An internal KPB e-mail from August 27, 1997 indicated that KPB's Solid Waste program had removed most of the heavy equipment from the site.
- On September 12, 1997, PRC sent a letter to KPB indicating that all property would be removed from the site by November 1, 1997.
- On October 9, 1997, KPB responded to PRC that all material not removed by November 1, 1997 would become KPB property and that any costs for cleanup of the site would be the responsibility of PRC.
- On October 25, 1997, PRC sent a letter to KPB that all batteries, waste oil, and lubricants had been removed with cooperation from the Beluga Landfill Operator. The letter also asserts that all 55-gallon drums had been cleaned and were ready for crushing.
- KPB inspected the site on June 4, 1998 and found that a large amount of equipment and materials were left at the site.

- On March 18, 1999, KPB sent a letter to PRC notifying them that a substantial amount of property remained at the site, and that KPB intended to issue a contract to clean up the property.
- KPB again inspected the site in December 2002 and found that no additional equipment had been brought to the site.

3.2 Database Review

Regulatory agency database information was obtained from an EDR Radius Map with GeoCheck® (Attachment 2), which maps and lists sites in federal, state, and local government environmental databases with existing conditions or regulatory status that may have the potential to impact the site.

The EDR report does not specifically identify any site within one mile; however, the report does contain a list of 39 sites in the Beluga area that were not mapped because of inadequate address information. OASIS checked the DEC Contaminated Sites Database for additional location information. Two sites appear to be located within one mile: VECO Three Mile Creek Camp and Three Mile Creek Services, Inc (DEC 2006).

VECO Three Mile Creek Camp appears to be located approximately ½-mile south of the Former West Cook Inlet Construction Yard. A spill associated with an aboveground storage tank was reported in 1998. Contaminated soil remains at the site under institutional controls. This site is most likely hydraulically cross-gradient from the Former West Cook Inlet Construction Yard.

Three Mile Creek Services, Inc., is located across Beluga Highway from the Former West Cook Inlet Construction Yard. During the removal of gasoline and diesel tanks in the mid-1990s, contaminated soil was encountered. The contaminated soil was excavated and stockpiled. In September 1994, DEC granted site closure. This site is assumed to be hydraulically upgradient of the Former West Cook Inlet Construction Yard.

3.3 Interviews

OASIS interviewed Tom Barrett, Environmental Compliance Manager for KPB, and Bob Freeman, owner of Three Mile Creek Services, Inc.

Mr. Barrett manages the site for KPB. His knowledge of the site is limited to information on file regarding site visits and communications during the 1990s. He is concerned with characterizing potential site contamination and determining whether groundwater has been impacted because re-development at the site is contingent on having a clean source of groundwater (Barrett 2006).

Mr. Freeman has lived and worked in the Beluga area for approximately 25 years. He said that the site has always been a storage yard for oil field services equipment, and he did not indicate that the site has been used for any purpose other than storage. Mr. Freeman said that a re-occurring problem over the years has been the inability to secure the site against unauthorized use (Freeman 2006).

3.4 Site Reconnaissance

OASIS conducted a site reconnaissance on May 10, 2006. The OASIS representative was unescorted during the reconnaissance. Observations included:

- Approximately one-half of the 1.6-acre parcel has been used for storage of equipment. The other half contains mature forest.

- The one-half of the site that has been used is becoming overgrown with immature alder and cottonwood, which makes access through the site somewhat difficult.

- The site is littered with solid waste. The wastes include 12 abandoned vehicles and heavy equipment, two roll-off bins with small amounts of solid waste, twelve empty 55-gallon drums, scattered areas of scrap metal, a tire pile with approximately 50 tires, and a small pile of battery foils in the south-central portion of the site.

- No petroleum odors were noticed during the reconnaissance.

- Small areas of stained soil were identified under some of the abandoned vehicles and heavy equipment.

- The amount and type of debris at the adjoining property to the southwest was of particular concern. In fact, the potential impact on that parcel from on-site waste could easily be greater than the potential impact at the Former West Cook Inlet Construction Yard given the amounts and types of waste observed.

- Attachment 3 contains photographs from the site reconnaissance.

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4.0 FINDINGS AND CONCLUSIONS

OASIS conducted this ESA for DEC and KPB in accordance with ASTM's E 1527-05 guidance document *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* for the Former West Cook Inlet Construction Yard located in Beluga, Alaska. The ESA encompassed a review of historical and regulatory records, interviews with persons familiar with the area, reconnaissance of the site and the surrounding area, and preparation of this report.

A now defunct oil field services company used the site in an unauthorized fashion in the 1990s. The company left behind miscellaneous solid waste, broken and discarded lead-acid batteries, junk vehicles and equipment, drums and containers of oil and unknown contents after they vacated the property in 1997. A 1993 DEC inspection of the property noted oil spills, damaged and leaking drums and containers, soil staining, a strong petroleum odor, and evidence of soil contamination throughout the site. In 1997, KPB organized a cleanup at the site that included the removal and disposal of hazardous items through KPB's Haz-Waste Turn-In program and disposal of non-hazardous solid waste at the Beluga Landfill.

The site reconnaissance performed for this Phase I ESA did not identify the wide-spread recognized environmental conditions noted during the 1993 DEC inspection. The only recognized environmental conditions were associated with the dozen abandoned vehicles and heavy equipment at the site. These objects had small stains underneath them associated with the various oils and lubricants used in the vehicles and equipment. It should be noted that soil contamination may still exist, and weathering has changed any discoloration to a natural-appearing color.

A review of database information identified a contaminated site across Beluga Highway to the north of the Former West Cook Inlet Construction Yard. This site, Three Mile Creek Services Inc., had soil contamination caused by the release of gasoline and diesel from storage tanks. DEC granted closure to the site in 1994. In addition, during the site reconnaissance, the adjoining property to the southwest was identified as a potentially contaminated property from widespread storage of solid waste.

The findings of this Phase I ESA are unable to yield a conclusive opinion regarding the state of recognized environmental conditions at the site. The results of the 1993 DEC inspection, the presence of a contaminated site just north of the Former West Cook Inlet Construction Yard, and the observed state of the adjoining property to the southwest all indicate that widespread soil and groundwater contamination may be present; however, observations of the site during the site reconnaissance did not indicate as much risk for potential contamination. Given these conflicting findings, OASIS recommends a Phase II ESA to provide a more thorough assessment of potential recognized environmental conditions at the site.

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5.0 REFERENCES

Alaska Department of Commerce, Community and Economic Development, May 2006, *Community Database Online*, accessed via the Internet at: http://www.commerce.state.ak.us/dca/commdb/CF_BLOCK.htm

Alaska Department of Environmental Conservation (DEC), June 2006, *Contaminated Sites Database*, maintained by Division of Spill Prevention and Response, Contaminated Sites Program, accessed via the Internet at: http://www.dec.state.ak.us/spar/csp/search/csites_search.asp.

_____, July 11, 2005a, DEC Brownfields Assessment Request Form – 1995, prepared by Kenai Peninsula Borough.

_____, March 2, 2005b, letter from Don Seagren, DEC, to Tom Barrett, KPB, regarding Former West Cook Inlet Construction Yard.

_____, May 28, 1993, Memorandum to File regarding complaint about West Cook Inlet Construction Yard.

ASTM, 2005, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E 1527-05, Fifth Edition.

Barrett, Tom, February 14, 2006, telephone conversation with Ben Martich, OASIS Environmental, Inc., regarding Former West Cook Inlet Construction Yard.

Freeman, Bob, May 10, 2006, personal communication with Ben Martich, OASIS Environmental, Inc., regarding Former West Cook Inlet Construction Yard.

Kenai Peninsula Borough (KPB), April 7, 2005, letter to Don Seagren, DEC, from Tom Barrett, KPB, regarding Former West Cook Inlet Construction Yard.

United States Department of Agriculture (USDA), 2006, Soil Conservation Service, STATSGO database, accessed via EDR Radius Map with GeoCheck® report.

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ATTACHMENT 1

FIGURES

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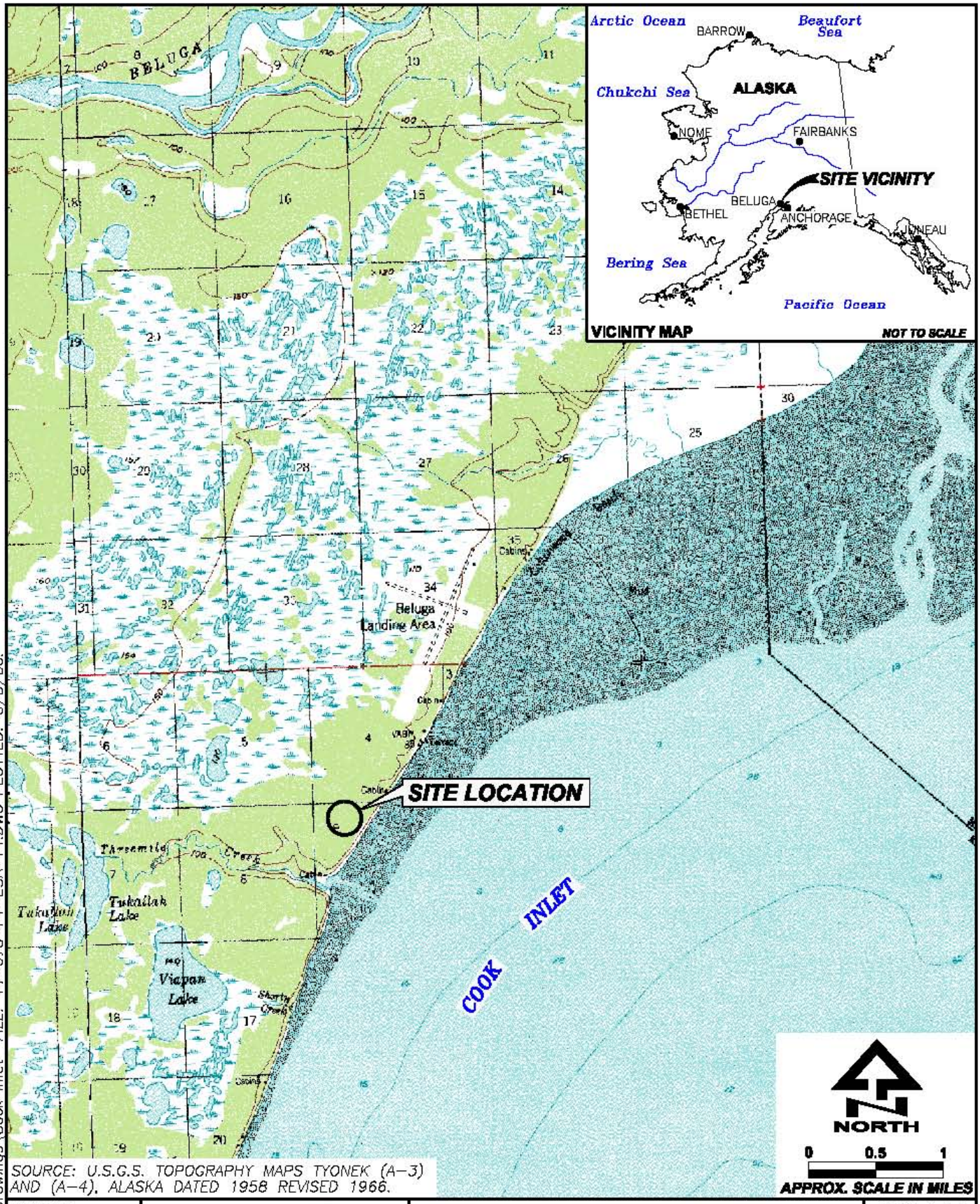


SOURCE: U.S.G.S. TOPOGRAPHY MAPS TYONEK (A-3) AND (A-4), ALASKA DATED 1958 REVISED 1966.

PATH: V:\Project Drawings\Cook Inlet FILE: 14-075-P1-ESA-F1.DWG PLOTTED: 6/8/06.

DATE	JUNE 2006
CHKD	B.J.M.
DRAWN	C.E.H.
PROJ. NO	14-075

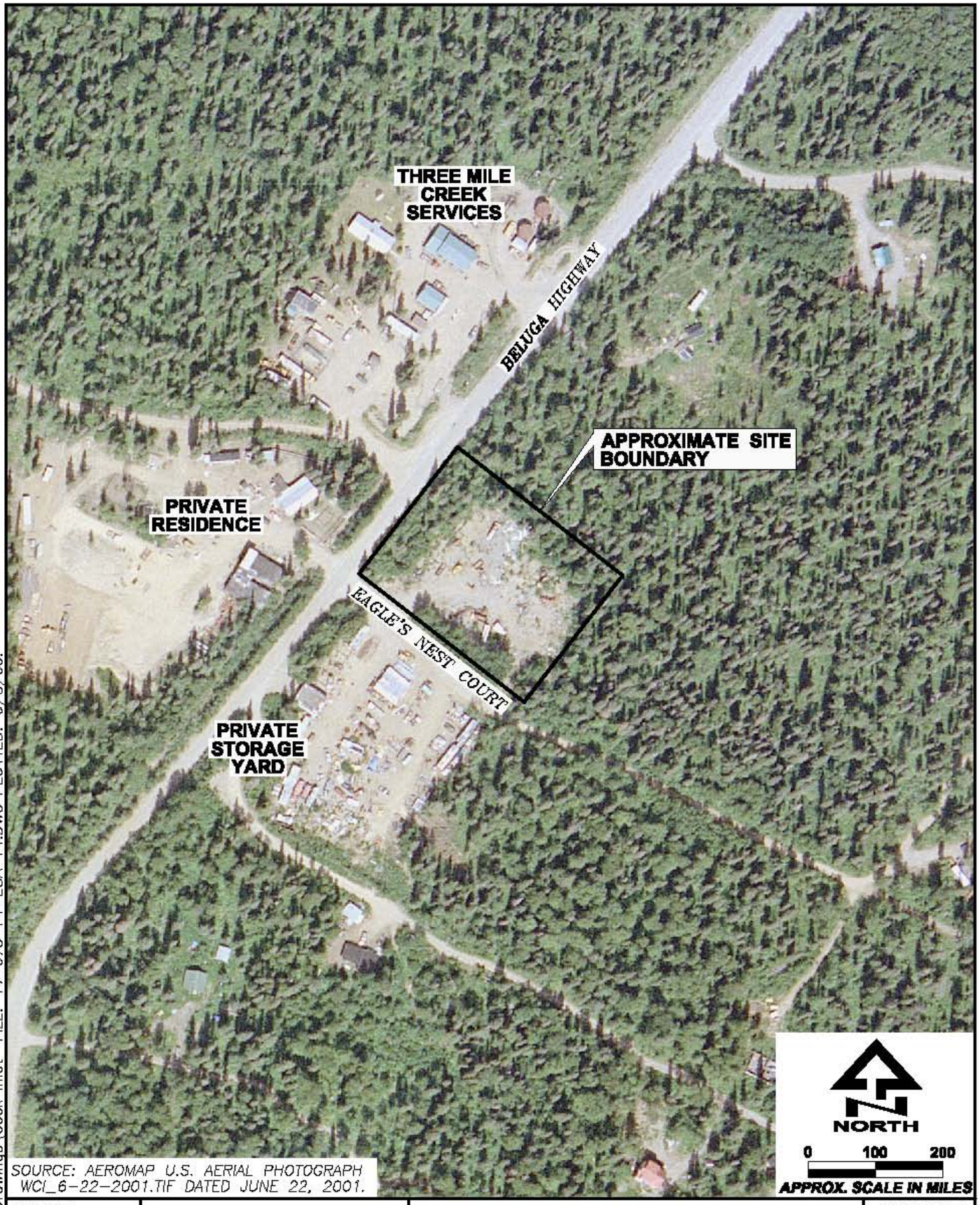
ENVIRONMENTAL
825 W. 8TH AVENUE, SUITE #200
ANCHORAGE, ALASKA 99501

SITE LOCATION MAP

PHASE I ESA
FORMER WEST COOK INLET
CONSTRUCTION YARD
Beluga, Alaska

FIGURE

1



SOURCE: AEROMAP U.S. AERIAL PHOTOGRAPH WCI_6-22-2001.TIF DATED JUNE 22, 2001.

PATH: V:\Project Drawings\Cook Inlet FILE: 14-075-P1-ESA-F1.DWG PLOTTED: 6/8/06.

DATE	JUNE 2006
CHKD	B.J.M.
DRAWN	C.E.H.
PROJ. NO	14-075

ENVIRONMENTAL
825 W. 8TH AVENUE, SUITE #200
ANCHORAGE, ALASKA 99501

SITE PLAN

PHASE I ESA
FORMER WEST COOK INLET
CONSTRUCTION YARD
Beluga, Alaska

FIGURE

2

ATTACHMENT 2

EDR REPORT

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The EDR Radius Map™ Report

West Cook Inlet Construction Yard
Beluga Highway
Tyonek, AK 99682

Inquiry Number: 1650161.2s

April 06, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

BELUGA HIGHWAY
TYONEK, AK 99682

COORDINATES

Latitude (North):	61.153900 - 61° 9' 14.0''
Longitude (West):	151.069500 - 151° 4' 10.2''
Universal Tranverse Mercator:	Zone 5
UTM X (Meters):	603900.8
UTM Y (Meters):	6781259.0
Elevation:	109 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	N/A
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
WEST COOK INLET CONSTRUCTION YARD BELUGA TYONEK, AK 99682	SHWS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

NPL RECOVERY Federal Superfund Liens
CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP CERCLIS No Further Remedial Action Planned
CORRACTS Corrective Action Report
RCRA-TSDF Resource Conservation and Recovery Act Information
RCRA-LQG Resource Conservation and Recovery Act Information
RCRA-SQG Resource Conservation and Recovery Act Information
ERNS Emergency Response Notification System
HMIRS Hazardous Materials Information Reporting System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
DOD Department of Defense Sites
FUDS Formerly Used Defense Sites
US BROWNFIELDS A Listing of Brownfields Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
TRIS Toxic Chemical Release Inventory System
TSCA Toxic Substances Control Act
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS Section 7 Tracking Systems
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SWF/LF Solid Waste Facilities
LUST Leaking Underground Storage Tank Database
UST Underground Storage Tank Database
AST Regulated Aboveground Storage Tanks
AK Spills Spills Database
Inst Control Contaminated Sites with Institutional Controls
VCP Voluntary Cleanup Program sites
DRYCLEANERS Drycleaner Facility Listing
BROWNFIELDS Identified and/or Proposed Brownfields Sites
CDL Illegal Drug Manufacturing Sites

TRIBAL RECORDS

INDIAN RESERV Indian Reservations
INDIAN LUST Leaking Underground Storage Tanks on Indian Land
INDIAN UST Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations EDR Proprietary Historic Gas Stations
EDR Historical Cleaners EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

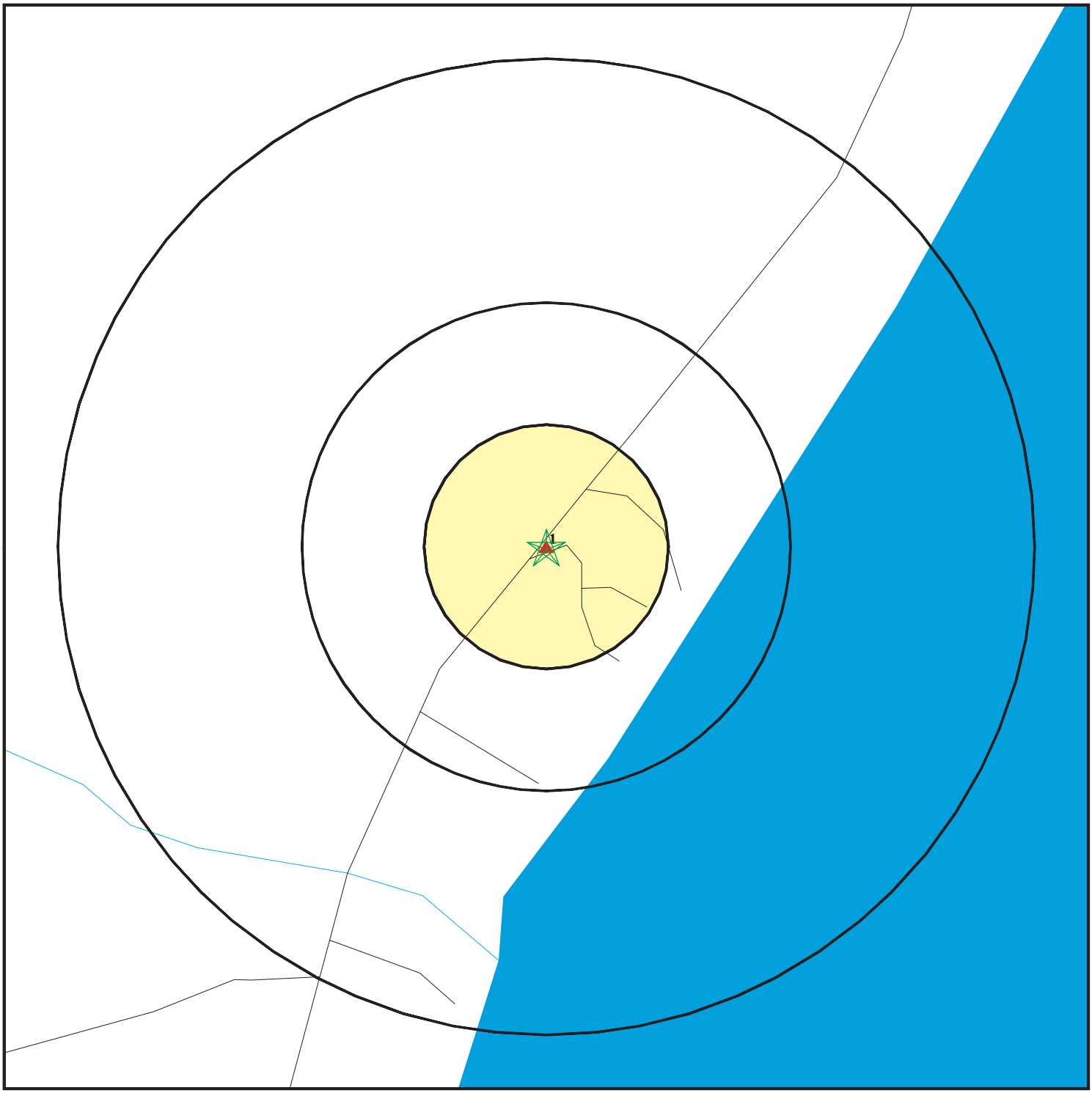
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
MARATHON GRANITE PT. PRODUCT. FAC.	SHWS
ARCO BELUGA RIVER SUMP BRU 233-27	SHWS
CHUGACH ELE. PWR. PLANT FLOOR DRAI	SHWS
ARCO DRILL SITE BELUGA RIVER 221-2	SHWS
VECO THREE MILE CREEK CAMP	SHWS, Inst Control
AMOCO WEST FORELAND UNIT #2	SHWS
AMOCO TYONEK STATE #1	SHWS
TRADING BAY 100 GAL. GLYCOL SPILL	SHWS
TRADING BAY BATTERY #2 GENER. BLDG	SHWS
COOK INLET PIPE LINE -GRANITE POIN	SHWS
UNOCAL GRANITE POINT	SHWS
UNOCAL LEWIS RIVER STORAGE PAD SPI	SHWS
PELICAN HILL OIL & GAS - ILIAMNA #	SHWS
AMOCO CHUITNA RIVER STATE PAD	SHWS
CENTRAL ALASKA UTILITIES SITE	SHWS
MARATHON GRANITE POINT FACILITY	SHWS
TYONEK DRUM SITE II	SHWS
WEST FORELANDS JUNCTION	SHWS
ARCO BELUGA RIVER FUEL LINE REMOVA	SHWS
ARCO BELUGA RIVER SUMP BRU 241-34	SHWS
TRADING BAY GAS CONDENSATE SPILL	SHWS
BRUCE PLATFORM PRODUCTION LINE SPI	SHWS
UNOCAL BRUCE OIL PIPELINE SPILL	SHWS
SHIRLEYVILLE DIESEL RELEASE	SHWS
ARCO BELUGA NORTH MAIN ROAD DIESEL	SHWS
ARCO BELUGA RIVER SUMP BRU 214-35	SHWS
ARCO ABANDONED DIESEL TANK FARM	SHWS
ARCO ENSTAR METERING FAC. CON. SUM	SHWS
ARCO BRU 224-23/232-26 CONT. SUMP	SHWS
ARCO BRU 212-35 CONTRACTOR SUMP	SHWS
ARCO BELUGA RIVER FIELD	SHWS
BFT - WEST COOK INLET CONST. YARD	SHWS
TRADING BAY SOLAR GENERATOR BLD.	SHWS
TYONEK TIMBER CAMP TRAILER T-7 & C	SHWS
TYONEK NORTH FORELANDS FACILITY	SHWS
KODIAK LUMBER MILL - TYONEK	SHWS
TYONEK TIMBER CAMP	SHWS
TYONEK STAGING AREA	SHWS
THREE MILE CREEK SERVICES, INC.	LUST

OVERVIEW MAP - 1650161.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA

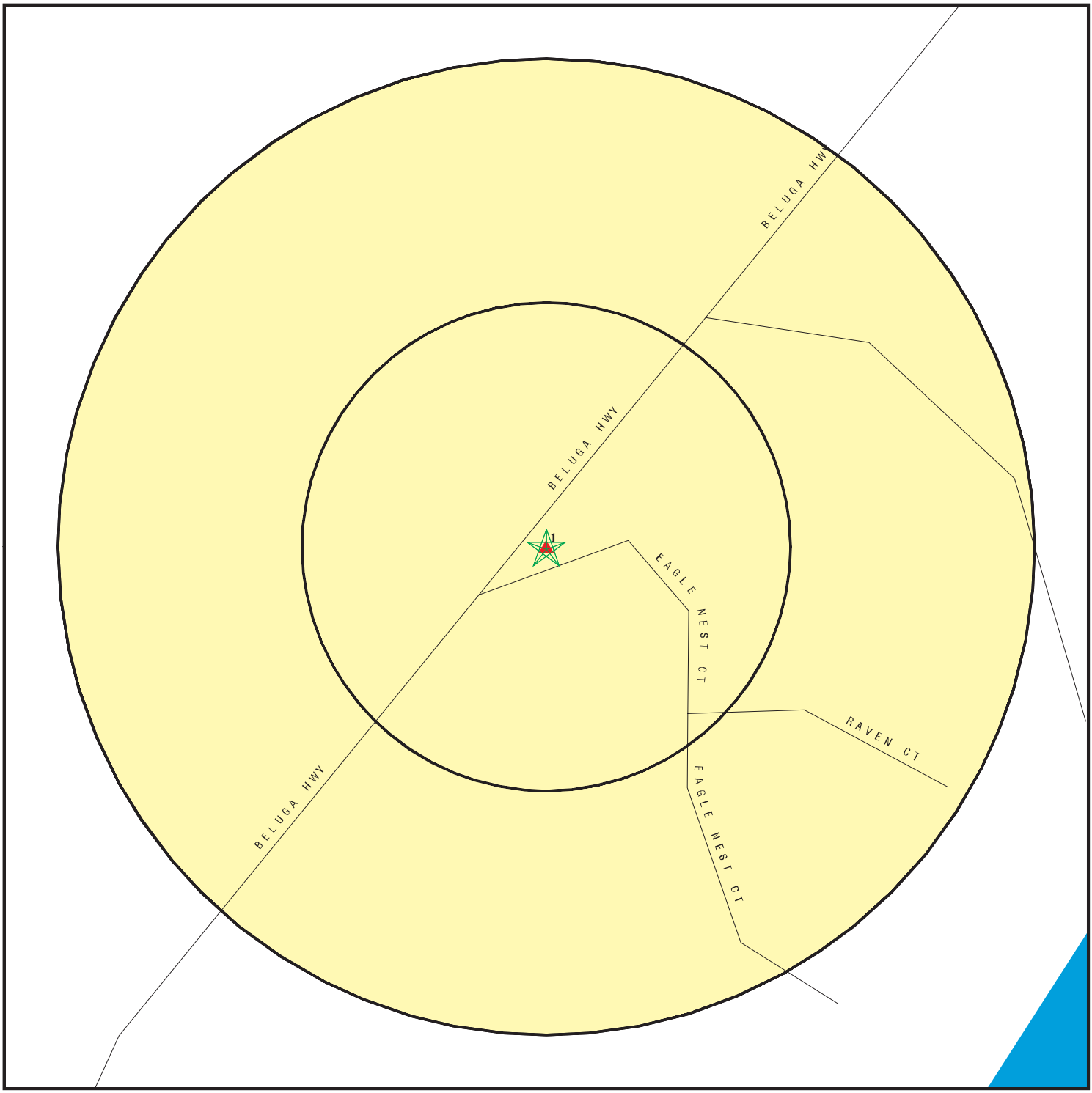
0 1/4 1/2 1 Miles

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	West Cook Inlet Construction Yard	CLIENT:	Oasis Environmental
ADDRESS:	Beluga Highway Tyonek AK 99682	CONTACT:	Ben Martich
LAT/LONG:	61.1539 / 151.0695	INQUIRY #:	1650161.2s
		DATE:	April 06, 2006

DETAIL MAP - 1650161.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA

0 1/16 1/8 1/4 Miles

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	West Cook Inlet Construction Yard	CLIENT:	Oasis Environmental
ADDRESS:	Beluga Highway Tyonek AK 99682	CONTACT:	Ben Martich
LAT/LONG:	61.1539 / 151.0695	INQUIRY #:	1650161.2s
		DATE:	April 06, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste	X	1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
AK Spills		TP	NR	NR	NR	NR	NR	0
Inst Control		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **WEST COOK INLET CONSTRUCTION YARD** **SHWS** **S107029727**
Target **BELUGA** **N/A**
Property **TYONEK, AK 99682**

Actual:
109 ft.

SHWS:

FS Facility Site ID:	66387
Hazard Id:	1845
Latitude:	61.148333
Longitude:	-151.075833
Date Lat Lon Collected:	Not reported
Horizontal Accuracy:	Not reported
Horizontal Accuracy Unit ID:	Not reported
Horizontal Description Code:	Not reported
Horizontal Source Code:	Not reported
Horizontal Datum Code:	3
Horizontal Method Code:	I2
Vertical Method Code:	Not reported
Vertical Datum Code:	Not reported
Vetical Accuracy:	Not reported
Source Scale Code:	Not reported
Verification Code:	Not reported
Federal Identifier:	Not reported
Flag Mobile:	0
Description:	1993230911601
Near:	No
Country:	USA
Region DEC:	Not reported
State Senate District:	R
State Representative District:	36
Point Line Area Code:	P
Meridian Code:	S
Range:	010
Range Direction Code:	W
Township:	012
Township Direction:	N
Section:	9
Subdivision:	Not reported
Block:	Not reported
Log:	Not reported
Comment:	KPB Parcel number 21127001, Township 12N, Range 10W, Section 9 Three Mile Creek Subdivision Amen
Date Created:	11/14/2005 11:11:14 AM
Hydrologic Unit:	Not reported
Vertical Measure:	Not reported
Quadrangle Id:	2669
Flag Parent:	Not reported
Fs Election District ID:	262
Xref Location Id:	1845
Generic Name:	Construction Company
Description:	West Cook Inlet Construction Yard
Latitude:	61.148333
Longitude:	-151.075833
Date Collected:	Not reported
Haccuracy:	Not reported
Haccuracy Unit Id:	Not reported
Description Code:	Not reported
Hdatum Code:	3
Hmethod Code:	I2
Hsource Code:	Not reported
Vertical Measure:	Not reported

WEST COOK INLET CONSTRUCTION YARD (Continued) **S107029727**

Vaccuracy:	Not reported		
Vdatum Code:	Not reported		
Vmethod Code:	Not reported		
Source Scale Code:	Not reported		
Verification Code:	Not reported		
Comment:	Not reported		
Near:	No		
DEC File #:	2337.38.036	Spilldate:	4/26/1993
Region:	23	Categorycode:	Unknown
Rp Contact Id:	1079	Rp Programcode:	RP Unwilling or Unable
Staff Id:	83	Statuscode:	Inactive
Analyte1:	0	Analyte2 Id:	0
Analyte3 Id:	0		
Analyte Id:	Not reported	Analyte Name:	Not reported
Alternate Name:	Not reported	Class:	Not reported
Casrefnbr:	Not reported	CS Action Level:	Not reported
Drinking Water MCL:	Not reported		
Affiliate Contact ID:	Not reported		
Affiliate Address ID:	Not reported		
Contact:	Not reported		
Contact Telephone:	Not reported		
Staff ID:	Not reported		
Staff User Name:	Not reported		
Staff Last Name:	Not reported		
Staff Phone:	Not reported		
Staff Extention:	Not reported		
Staff Fax:	Not reported		
Staff Email:	Not reported		
Staff Administrator:	Not reported		
Staff Sectionmanager:	Not reported		
Staff Inactive:	Not reported		
Staff Affiliation:	Not reported		
Problem Comment:	Petroleum contaminated soils, broken batteries located on site.		
Comment:	Last staff assigned was Folley.		

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TYONEK	S107029737	MARATHON GRANITE PT. PRODUCT. FAC.	APPROX. 20 MI. SW TYONEK	99682	SHWS
TYONEK	S107029724	ARCO BELUGA RIVER SUMP BRU 233-27	BELUGA RIVER GAS FIELD	99682	SHWS
TYONEK	S107029708	CHUGACH ELE. PWR. PLANT FLOOR DRAI	BELUGA	99682	SHWS
TYONEK	S107029707	ARCO DRILL SITE BELUGA RIVER 221-2	BELUGA RIVER	99682	SHWS
TYONEK	S106530032	VECO THREE MILE CREEK CAMP	81293 BELUGA HIGHWAY	99682	SHWS, Inst Control
TYONEK	S107504589	AMOCO WEST FORELAND UNIT #2	SOUTH END OF TRADING BAY ON CL	99682	SHWS
TYONEK	S107504591	AMOCO TYONEK STATE #1	EAST END OF OLD TYONEK	99682	SHWS
TYONEK	S107029738	TRADING BAY 100 GAL. GLYCOL SPILL	WEST FORELAND SW OF TYONEK	99682	SHWS
TYONEK	S107029736	TRADING BAY BATTERY #2 GENER. BLDG	WEST FORELAND SW OF TYONEK	99682	SHWS
TYONEK	S107029728	COOK INLET PIPE LINE -GRANITE POIN	GRANITE POINT	99682	SHWS
TYONEK	S104893142	UNOCAL GRANITE POINT	GRANITE POINT	99682	SHWS
TYONEK	S107029729	UNOCAL LEWIS RIVER STORAGE PAD SPI	LEWIS RIVER	99682	SHWS
TYONEK	S107029706	PELICAN HILL OIL & GAS - ILIAMNA #	MCARTHUR FLAT/TRADING BAY	99682	SHWS
TYONEK	S107504590	AMOCO CHUITNA RIVER STATE PAD	5 MILES NORTH OF TYONEK 500' A	99682	SHWS
TYONEK	S105555737	CENTRAL ALASKA UTILITIES SITE	6 MILES WEST OF TYONEK SEE COM	99682	SHWS
TYONEK	S104893141	MARATHON GRANITE POINT FACILITY	20 MILES SW OF TYONEK W SIDE O	99682	SHWS
TYONEK	S104894242	TYONEK DRUM SITE II	MOQUAWKIE RESERVATION SOUTHWES	99682	SHWS
TYONEK	S104966711	THREE MILE CREEK SERVICES, INC.	NEAR THREE MILE CREEK; BELUGA	99682	LUST
TYONEK	S107504497	WEST FORELANDS JUNCTION	NORTH OF DRIFT R. TERMINAL	99682	SHWS
TYONEK	S107029723	ARCO BELUGA RIVER FUEL LINE REMOVA	SOUTH OF BELUGA RIVER	99682	SHWS
TYONEK	S107029720	ARCO BELUGA RIVER SUMP BRU 241-34	SOUTH OF BELUGA RIVER BELUGA R	99682	SHWS
TYONEK	S104894224	TRADING BAY GAS CONDENSATE SPILL	NO POST OFFICE ADDRESS SW OF T	99682	SHWS
TYONEK	S107504771	BRUCE PLATFORM PRODUCTION LINE SPI	SHIRLEYVILLE NEAR GRANITE POIN	99682	SHWS
TYONEK	S107029731	UNOCAL BRUCE OIL PIPELINE SPILL	SHIRLEYVILLE 1/4 MILE S. OF TA	99682	SHWS
TYONEK	S107029721	SHIRLEYVILLE DIESEL RELEASE	SHIRLEYVILLE NEAR GRANITE POIN	99682	SHWS
TYONEK	S107029726	ARCO BELUGA NORTH MAIN ROAD DIESEL	NW SIDE OF COOK INLET BELUGA R	99682	SHWS
TYONEK	S107029725	ARCO BELUGA RIVER SUMP BRU 214-35	WEST SIDE COOK INLET BELUGA	99682	SHWS
TYONEK	S107029719	ARCO ABANDONED DIESEL TANK FARM	NW SIDE OF COOK INLET BELUGA R	99682	SHWS
TYONEK	S107029718	ARCO ENSTAR METERING FAC. CON. SUM	NW SIDE OF COOK INLET BELUGA R	99682	SHWS
TYONEK	S107029717	ARCO BRU 224-23/232-26 CONT. SUMP	NW SIDE OF COOK INLET BELUGA R	99682	SHWS
TYONEK	S107029716	ARCO BRU 212-35 CONTRACTOR SUMP	NW SIDE OF COOK INLET BELUGA R	99682	SHWS
TYONEK	S104892318	ARCO BELUGA RIVER FIELD	WEST SIDE OF COOK INLET BELUGA	99682	SHWS
TYONEK	S107504758	BFT - WEST COOK INLET CONST. YARD	THREE MILE CREEK SUBDIVSI	99682	SHWS
TYONEK	S107029733	TRADING BAY SOLAR GENERATOR BLD.	TRADING BAY SW OF TYONEK	99682	SHWS
TYONEK	S107029722	TYONEK TIMBER CAMP TRAILER T-7 & C	TYONEK AREA	99682	SHWS
TYONEK	S107029705	TYONEK NORTH FORELANDS FACILITY	TYONEK AIRSTRIP SOUTH END	99682	SHWS
TYONEK	S105555736	KODIAK LUMBER MILL - TYONEK	TYONEK AREA	99682	SHWS
TYONEK	S105074351	TYONEK TIMBER CAMP	TYONEK	99682	SHWS
TYONEK	S104894238	TYONEK STAGING AREA	TYONEK AREA	99682	SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/24/2006
Date Data Arrived at EDR: 03/01/2006
Date Made Active in Reports: 03/31/2006
Number of Days to Update: 30

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 02/24/2006
Date Data Arrived at EDR: 03/01/2006
Date Made Active in Reports: 03/31/2006
Number of Days to Update: 30

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/24/2006
Date Data Arrived at EDR: 03/01/2006
Date Made Active in Reports: 03/31/2006
Number of Days to Update: 30

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 05/22/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/24/2005
Date Data Arrived at EDR: 12/21/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 03/21/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/24/2005
Date Data Arrived at EDR: 12/21/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 03/21/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/29/2005
Date Data Arrived at EDR: 01/11/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 41

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 06/05/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/21/2006
Date Data Arrived at EDR: 03/01/2006
Date Made Active in Reports: 03/31/2006
Number of Days to Update: 30

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 01/12/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/16/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 36

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/16/2006
Next Scheduled EDR Contact: 04/17/2006
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/2005
Date Data Arrived at EDR: 08/12/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 03/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/2005
Date Data Arrived at EDR: 02/11/2005
Date Made Active in Reports: 04/06/2005
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 03/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/06/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 11/29/2005
Date Data Arrived at EDR: 12/05/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/07/2005
Date Data Arrived at EDR: 01/06/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 46

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/05/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 03/21/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/27/2004
Date Made Active in Reports: 05/21/2004
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 04/17/2006
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/17/2006
Date Data Arrived at EDR: 01/24/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 01/17/2006
Date Data Arrived at EDR: 01/24/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 01/03/2005
Date Made Active in Reports: 01/25/2005
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 19

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 02/08/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 02/10/2006
Date Data Arrived at EDR: 02/16/2006
Date Made Active in Reports: 03/31/2006
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/08/2005
Date Data Arrived at EDR: 12/27/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 34

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/29/2006
Next Scheduled EDR Contact: 06/26/2006
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/09/2006
Date Data Arrived at EDR: 01/16/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 36

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 06/05/2006
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE AND LOCAL RECORDS

SHWS: Contaminated Sites Database

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/21/2005
Date Data Arrived at EDR: 12/27/2005
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 56

Source: Department of Environmental Conservation
Telephone: 907-269-7546
Last EDR Contact: 12/27/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Semi-Annually

SWF/LF: Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/07/2006
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 907-269-7632
Last EDR Contact: 02/06/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: Semi-Annually

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 12/13/2005
Date Data Arrived at EDR: 12/13/2005
Date Made Active in Reports: 01/20/2006
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 907-465-5301
Last EDR Contact: 03/15/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Semi-Annually

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 12/13/2005
Date Data Arrived at EDR: 12/13/2005
Date Made Active in Reports: 01/18/2006
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 907-269-7504
Last EDR Contact: 03/15/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Semi-Annually

AST: Regulated Aboveground Storage Tanks

The list covers "regulated" facilities with storage capacities above 10,000 barrels (or 5,000 barrels of crude).

Date of Government Version: 01/05/2005
Date Data Arrived at EDR: 01/06/2005
Date Made Active in Reports: 02/02/2005
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 907-465-5231
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Varies

SPILLS: Spills Database

Date of Government Version: 02/07/2006
Date Data Arrived at EDR: 02/07/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 907-465-5242
Last EDR Contact: 01/30/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Semi-Annually

Inst Control: Contaminated Sites with Institutional Controls
Contaminated sites that have institutional controls.

Date of Government Version: 12/20/2005
Date Data Arrived at EDR: 12/21/2005
Date Made Active in Reports: 01/20/2006
Number of Days to Update: 30
Source: Department of Environmental Conservation
Telephone: 907-269-3063
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program sites
Sites involved in the Voluntary Cleanup Program.

Date of Government Version: 12/21/2005
Date Data Arrived at EDR: 12/22/2005
Date Made Active in Reports: 01/20/2006
Number of Days to Update: 29
Source: Department of Environmental Conservation
Telephone: 907-451-2182
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaning facilities in Alaska.

Date of Government Version: 02/15/2006
Date Data Arrived at EDR: 02/16/2006
Date Made Active in Reports: 03/15/2006
Number of Days to Update: 27
Source: Department of Environmental Conservation
Telephone: 907-269-7577
Last EDR Contact: 02/06/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: No Update Planned

BROWNFIELDS: Identified and/or Proposed Brownfields Sites
Brownfield properties are defined by U.S Environmental Protection Agency (EPA) as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contamination." DEC is developing resources to assist eligible entities in Alaska in applying for EPA brownfields grants. The program also will provide technical assistance and perform some site assessments, The purpose of these assessments is to assist local redevelopment efforts on previously contaminated properties that are vacant or underused.

Date of Government Version: 11/22/2005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/20/2006
Number of Days to Update: 15
Source: Department of Environmental Conservation
Telephone: 907-451-2166
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Varies

CDL: Illegal Drug Manufacturing Sites
A list of properties that have been determined to be illegal drug manufacturing sites.

Date of Government Version: 11/29/2005
Date Data Arrived at EDR: 12/13/2005
Date Made Active in Reports: 01/20/2006
Number of Days to Update: 38
Source: Department of Environmental Conservation
Telephone: 907-269-7543
Last EDR Contact: 03/14/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177
Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/06/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/12/2006
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 19

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/20/2006
Next Scheduled EDR Contact: 05/22/2006
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land
Underground storage tanks on Indian Land.

Date of Government Version: 11/23/2005
Date Data Arrived at EDR: 01/06/2006
Date Made Active in Reports: 01/20/2006
Number of Days to Update: 14

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/05/2006
Next Scheduled EDR Contact: 05/22/2006
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities Database
Source: Department of Education & Early Development
Telephone: 907-465-2800

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Data
Source: Department of Fish & Game
Telephone: 907-465-4100

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WEST COOK INLET CONSTRUCTION YARD
BELUGA HIGHWAY
TYONEK, AK 99682

TARGET PROPERTY COORDINATES

Latitude (North):	61.15390 - 61° 9' 14.0''
Longitude (West):	151.0695 - 151° 4' 10.2''
Universal Tranverse Mercator:	Zone 5
UTM X (Meters):	603900.8
UTM Y (Meters):	6781259.0
Elevation:	109 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property:	N/A
Source:	USGS 7.5 min quad index

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

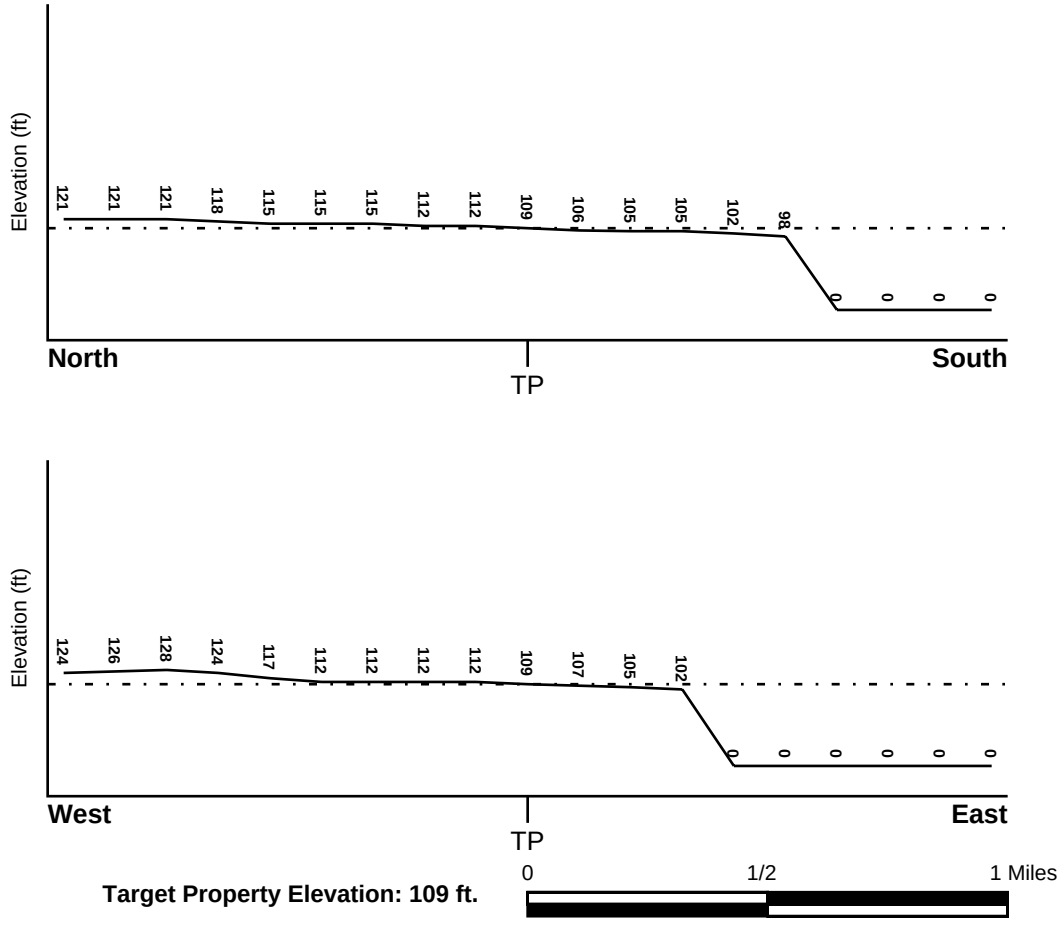
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 109 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
KENAI_PENINSULA, AK	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
Not Reported	N

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: -
System: -
Series: -
Code: N/A *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: SPHAGNIC BOROFIBRISTS

Soil Surface Texture: peat

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly. Soils are wet to the surface most of the time. Depth to water table is less than 1 foot, or is ponded.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	peat	A-8	Highly organic soils, Peat.	Max: 20.00 Min: 6.00	Max: 4.40 Min: 3.50
2	10 inches	60 inches	fibric material	A-8	Highly organic soils, Peat.	Max: 20.00 Min: 6.00	Max: 4.40 Min: 3.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam

Surficial Soil Types: silt loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: stratified
gravelly - silty clay loam
very gravelly - sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2044660	1/4 - 1/2 Mile SSW
A2	USGS2044662	1/4 - 1/2 Mile East
A3	USGS2044663	1/4 - 1/2 Mile East
4	USGS2044659	1/2 - 1 Mile SSW
B5	USGS2044651	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

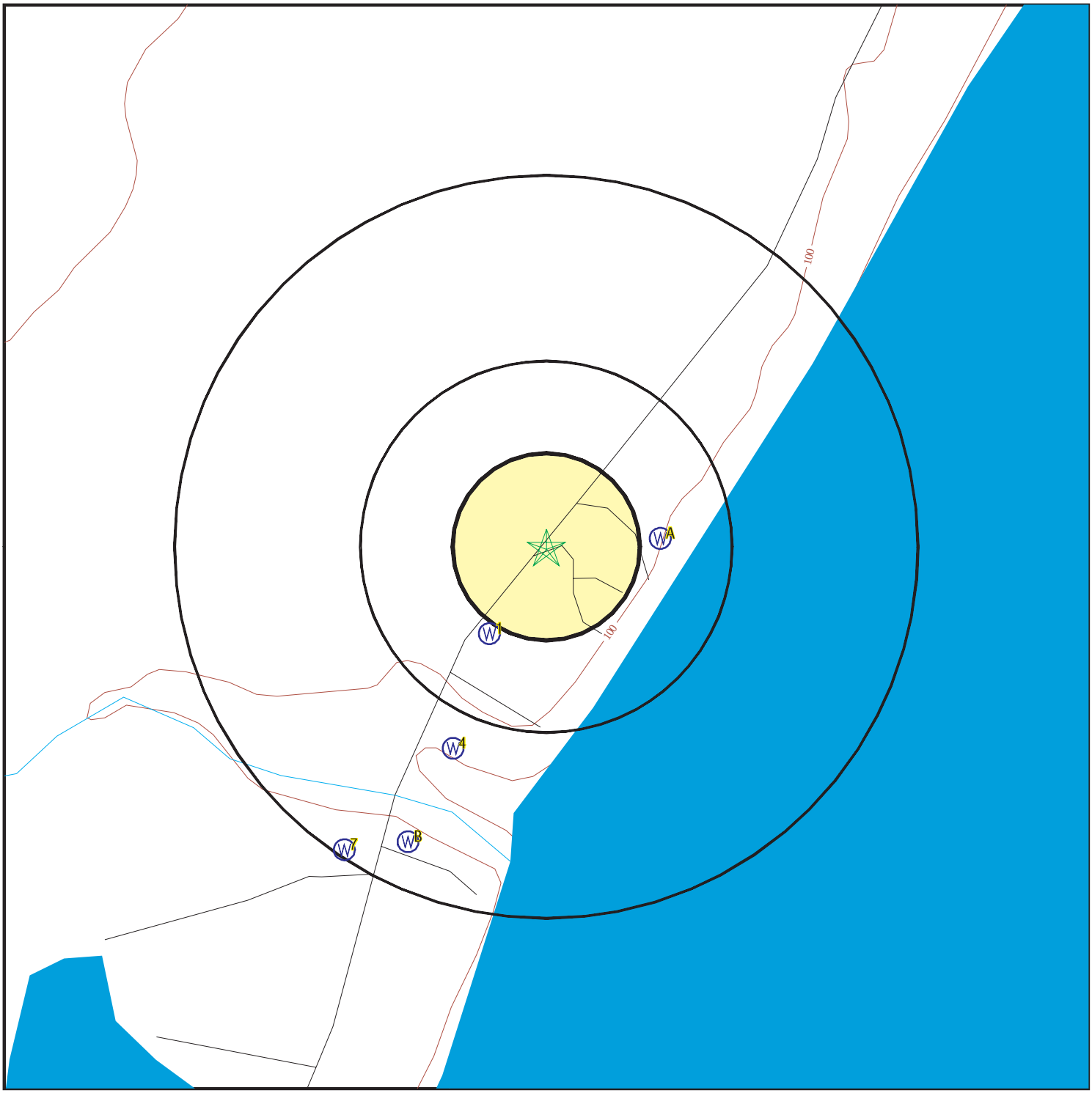
MAP ID	WELL ID	LOCATION FROM TP
B6	USGS2044648	1/2 - 1 Mile SSW
7	USGS2044649	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 1650161.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location

N

SITE NAME:	West Cook Inlet Construction Yard	CLIENT:	Oasis Environmental
ADDRESS:	Beluga Highway Tyonek AK 99682	CONTACT:	Ben Martich
LAT/LONG:	61.1539 / 151.0695	INQUIRY #:	1650161.2s
		DATE:	April 06, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS2044660**

Agency cd:	USGS	Site no:	610904151041901
Site name:	SB01201009BBBD1 001		
Latitude:	610904		
Longitude:	1510419	Dec lat:	61.15055188
Dec lon:	-151.07417715	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	122
Country:	US	Land net:	NWNWNWS09 T012M R010W S
Location map:	TYONEK A-3	Map scale:	63360
Altitude:	100.00	Altitude method:	M
Altitude accuracy:	25	Altitude datum:	NGVD29
Hydrologic:	19020601		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19830430
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	149	Hole depth:	151
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1983-04-30	Ground water data end date:	1983-04-30
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1983-04-30	53.00	

A2
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS2044662**

Agency cd:	USGS	Site no:	610917151032901
Site name:	SB01201004DCBC1 001		
Latitude:	610917		
Longitude:	1510329	Dec lat:	61.15416318
Dec lon:	-151.06028776	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	122
Country:	US	Land net:	NWSWSES04 T012N R010W S
Location map:	TYONEK A-3	Map scale:	63360

Altitude:	88.00	Altitude method:	L
Altitude accuracy:	2	Altitude datum:	NGVD29
Hydrologic:	19020601		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19670203
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	220	Hole depth:	221
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-03	Ground water data end date:	1967-02-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-02-03	60.00	

A3
East
1/4 - 1/2 Mile
Lower

FED USGS USGS2044663

Agency cd:	USGS	Site no:	610917151032902
Site name:	SB01201004DCBC2 001		
Latitude:	610917		
Longitude:	1510329	Dec lat:	61.15416318
Dec lon:	-151.06028776	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	122
Country:	US	Land net:	NWSWSES04 T012N R010W S
Location map:	TYONEK A-3	Map scale:	63360
Altitude:	88.00	Altitude method:	L
Altitude accuracy:	2	Altitude datum:	NGVD29
Hydrologic:	19020601		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS2044659**

Agency cd:	USGS	Site no:	610848151043001
Site name:	SB01201008ADDA1 001		
Latitude:	610848		
Longitude:	1510430	Dec lat:	61.14610736
Dec lon:	-151.07723301	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	122
Country:	US	Land net:	SESENES08 T012N R010W S
Location map:	TYONEK A-3	Map scale:	63360
Altitude:	100.00	Altitude method:	M
Altitude accuracy:	25	Altitude datum:	NGVD29
Hydrologic:	19020601		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	145	Hole depth:	145
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B5
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS2044651**

Agency cd:	USGS	Site no:	610836151044501
Site name:	SB01201018DACA2 002		
Latitude:	610836		
Longitude:	1510445	Dec lat:	61.14277395
Dec lon:	-151.08139995	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	122
Country:	US	Land net:	SWNESES08 T012N R010W S
Location map:	TYONEK A-3	Map scale:	63360
Altitude:	100.00	Altitude method:	M
Altitude accuracy:	25	Altitude datum:	NGVD29
Hydrologic:	19020601		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19830507
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	159	Hole depth:	159
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1983-05-07	Ground water data end date:	1983-05-07
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1983-05-07	68.00	

B6
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS2044648**

Agency cd:	USGS	Site no:	610834151044201
Site name:	SB01201008DACA1 002		
Latitude:	610834		
Longitude:	1510442	Dec lat:	61.14221839
Dec lon:	-151.08056663	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	122
Country:	US	Land net:	SWNESES08 T012N R010W S
Location map:	TYONEK A-3	Map scale:	63360
Altitude:	100.00	Altitude method:	M
Altitude accuracy:	25	Altitude datum:	NGVD29
Hydrologic:	19020601		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19820513
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	159	Hole depth:	160
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1982-05-13	Ground water data end date:	1982-05-13
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1982-05-13	48.00	

7
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS2044649**

Agency cd:	USGS	Site no:	610834151050201
Site name:	SB01201008DBDB1 003		
Latitude:	610834		
Longitude:	1510502	Dec lat:	61.14221833
Dec lon:	-151.08612232	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	122
Country:	US	Land net:	SENWSES08 T012N R010W S
Location map:	TYONEK A-3	Map scale:	63360
Altitude:	120.00	Altitude method:	M
Altitude accuracy:	25	Altitude datum:	NGVD29
Hydrologic:	19020601		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19820511
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	119	Hole depth:	120
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1982-05-11	Ground water data end date:	1982-05-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1982-05-11	65.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KENAI PENINSULA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KENAI PENINSULA COUNTY, AK

Number of sites tested: 64

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.547 pCi/L	92%	8%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.590 pCi/L	72%	26%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Data
Source: Department of Fish & Game
Telephone: 907-465-4100

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

State Database: AK Radon
Source: University of Alaska Fairbanks
Telephone: 907-474-7201
Radon Information

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

ATTACHMENT 3

PHOTOGRAPHS

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Photographs
Former West Cook Inlet Construction Yard Phase I ESA

Photograph 1. Entry to the site from Beluga Highway.

Photograph 2. View to the northwest across the site.

Photographs
Former West Cook Inlet Construction Yard Phase I ESA

Photograph 3. View to the northeast across the site.

Photograph 4. Tire pile.

Photographs
Former West Cook Inlet Construction Yard Phase I ESA

Photograph 5. Uncontained anti-freeze in an abandoned vehicle.

Photograph 6. Battery foils.

Photographs
Former West Cook Inlet Construction Yard Phase I ESA

Photograph 7. Stained soil underneath heavy equipment.

Photograph 8: View of private storage yard to the southwest.

FY 2006 DEC Brownfield Assessment Request Program

Contaminated Sites Program – Brownfield Team

Phase II Environmental Site Assessment
Former West Cook Inlet Construction Yard

Final Report

ALASKA
Department of
Environmental
Conservation

Prepared for:
Department of Environmental Conservation
610 University Ave
Fairbanks, Alaska 99709

and

Kenai Peninsula Borough
144 North Binkley
Soldotna, Alaska 99669

Prepared by:
OASIS Environmental, Inc
825 West 8th Avenue, Ste 200
Anchorage, Alaska 99501

ENVIRONMENTAL

June 2006

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EXECUTIVE SUMMARY

OASIS Environmental, Inc., performed a Phase II Environmental Site Assessment (ESA) at the Former West Cook Inlet Construction Yard site on behalf of Alaska Department of Environmental Conservation (DEC) and Kenai Peninsula Borough. Phase II ESA activities included field analysis of test borings to determine locations of potential source areas; collection of soil samples from soil borings to determine average concentrations of contaminants at the site; collection of groundwater from test wells; and the collection of a sample from one private drinking water well downgradient of the site. Field analysis from the test borings identified no source area of contamination. The average concentrations in soil for all analytes did not exceed DEC Method 2 soil cleanup levels. Groundwater concentrations did not exceed DEC groundwater cleanup levels for any analyte. No contaminant was detected in the private drinking water well. Based on these findings, no significant source of contamination or migration of contamination is present at the site. No further assessment of the Former West Cook Inlet Construction Yard site is required at this time.

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Table of Contents

ATTACHMENTS

Acronyms and Abbreviations

ASTM	American Society of Testing and Materials
bgs	below ground surface
DEC	Alaska Department of Environmental Conservation
DRO	Diesel-range organics
EPA	Environmental Protection Agency
ESA	Environmental site assessment
FID	Flame ionization detector
GCL	Groundwater cleanup level
GRO	Gasoline range organics
IDW	Investigation-derived waste
KPB	Kenai Peninsula Borough
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MI	Multi-increment
MIP	Membrane Interface Probe
MS/MSD	Matrix spike/matrix spike duplicate
NTP	Notice-to-proceed
OASIS	OASIS Environmental, Inc.
PAHs	Polycyclic aromatic hydrocarbons
PCBs	Polychlorinated biphenyls
PID	Photo-ionization detector
PRC	Pacific Rehab Constructors
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RPD	Relative percent difference
RRO	Residual range organics
RSD	Relative standard deviation
SCL	Soil cleanup level
VOCs	Volatile organic compounds
WCIC	West Cook Inlet Contractors

1.0 INTRODUCTION

1.1 Background

Under Notice-to-Proceed (NTP) 18-9028-13-07, Alaska Department of Environmental Conservation (DEC) tasked OASIS Environmental, Inc. (OASIS) to conduct a Phase II Environmental Site Assessment (ESA) for the Former West Cook Inlet Construction Yard site (hereafter "the site") located in Beluga, Alaska (see Figure 1 in Attachment 1). This work plan is the fourth deliverable under NTP 18-9028-13-07, following a Quality Assurance Project Plan (QAPP) (OASIS 2006a), Phase I ESA (OASIS 2006b), and a Phase II ESA work plan (OASIS 2006c). This document presents the results and findings of the executed work plan performed in accordance with the QAPP, and this report supplements the Phase I ESA by investigating potential recognized environmental conditions identified in the Phase I ESA. The Phase II ESA plan, field activities, and reporting have been developed following the guidance and recommended procedures of *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process* (ASTM 2002).

The Former West Cook Inlet Construction Yard is a 1.6-acre tract located in the Three Mile Creek Subdivision near Beluga, Alaska. The site is located on the corner of Beluga Highway and Eagles Nest Court (see Figure 2). The legal description of the site is provided below:

- Section 9 NW 1/4, Township 12 North, Range 10 West, Seward Meridian;
- KPB Parcel No. 21127001, Lot 1, Block 1, Three Mile Creek Subdivision; and
- Latitude: 61.150 North; Longitude: 151.066 West.

The site is owned by the Kenai Peninsula Borough (KPB). The borough has leased the property in the past, but the property currently is unoccupied. The most recent lessee was West Cook Inlet Contractors (WCIC), a former oil-field service company, who leased the property from November 15, 1983 to March 14, 1989. WCIC utilized the site for storage of heavy equipment and materials. KPB reported that repairs and maintenance possibly occurred on the site. After WCIC's lease expired with KPB on March 14, 1989, WCIC continued unauthorized occupation of the site. WCIC declared bankruptcy in 1993, and Pacific Rehab Constructors (PRC) purchased WCIC's equipment from the bank that foreclosed on WCIC. PRC continued the unauthorized use of the site. In 1995, KPB determined PRC had moved additional equipment to the site. By late 1997, PRC ceased occupying the site, but they did not remove all their equipment and materials. The site has had no other authorized occupancy. No permanent structures are located on the site (DEC 2005).

Some of the pertinent observations made during the Phase I ESA site reconnaissance included the following:

- Approximately one-half of the 1.6-acre parcel has been used for storage of equipment. The other half contains mature forest.
- The one-half of the site that has been used is becoming overgrown with immature alder and cottonwood, which makes access through the site somewhat difficult.
- The site is littered with solid waste. The wastes include 12 abandoned vehicles and heavy equipment, two roll-off bins with small amounts of solid waste, twelve empty 55-gallon drums, scattered areas of scrap metal, a tire pile with approximately 50 tires, and a small pile of battery foils in the south-central portion of the site.
- No petroleum odors were noticed during the reconnaissance.

- Small areas of stained soil were identified under some of the abandoned vehicles and heavy equipment.

1.2 Scope of Work

Based on the findings of the Phase I ESA and the strategy outlined in the Phase II ESA work plan, the following objectives were developed for the Phase II ESA:

1) Determine potential source areas of contamination (i.e. source decision units) at the site by using field analysis.
2) Determine the average concentration of contaminants in the top two feet of soil in source decision units. The average concentrations will be compared against the most stringent DEC Method 2 soil cleanup levels (SCLs).
3) Determine the average concentration of contaminants in the vertical profile of soil from the surface to the groundwater table in source decision units. The average concentrations will be compared against the most stringent DEC Method 2 SCLs.
4) Determine potential impact to groundwater by using field analysis in temporary well points and confirm field analysis with laboratory analytical samples.
5) Determine the average concentration of contaminants in the top two feet of soil across the entire site. The average concentrations will be compared against the most stringent DEC Method 2 SCLs.
6) Determine the average concentration of contaminants in the vertical profile of soil from the surface to the groundwater table across the entire site. The average concentrations will be compared against the most stringent DEC Method 2 SCLs.
7) Collect drinking water well samples from nearby properties to determine whether site-related contaminants are present in domestic supply water resources.

2.0 PHASE II ACTIVITIES

This section presents a summary of field activities employed to meet the objectives outlined in Section 1.2. Table 1 of Attachment 2 shows information on all samples collected during Phase II activities. Attachment 3 contains a copy of field notes, and Attachment 4 presents photographs depicting Phase II activities.

2.1 Test Borings

The Phase II ESA work plan presented a dynamic strategy that allowed for decisions to be based on a conceptual site model that evolved with field analysis. The main tool used to produce field data, and hence evolve the conceptual site model, was a membrane interface probe (MIP), which is a down-hole technology associated with direct-push drilling. OASIS subcontracted with GeoTek Alaska to operate a GeoProbe® drill rig with the MIP.

The MIP was positioned at the leading edge of the drill pipe. Using a push speed of approximately 1 foot per minute, the MIP read total volatile organic compounds (VOCs) in soil and groundwater using both a photo-ionization detector (PID) and a flame ionization detector (FID). The MIP senses VOCs by heating soil and groundwater to approximately 120 degrees Celsius; thereby, allowing the PID and FID to analyze a gaseous sample matrix. The PID/FID output is a relative response that may be compared to a benzene calibration standard. A combined positive response from both the PID and FID is a strong indication that VOCs are present.

Seven MIP test borings were advanced during site activities. Figure 3 shows the locations of the test borings. The boring locations were spatially distributed across the entire site so that any significant mass of contamination would likely be identified if present. Test borings were advanced between 16.4 and 22.0 feet below ground surface (bgs). Groundwater appeared to be encountered at depths between 12 and 13.5 feet bgs based on conductivity readings made by the MIP.

2.2 Soil Borings

Eight soil borings were advanced at the site to determine average contaminant concentrations in the top two feet of soil and across the vertical profile of soil from the ground surface to the water table. No source area samples were collected because interpretation of MIP analysis (see Section 3.1) did not indicate the presence of measurable soil contamination. The site was divided into 25 grids covering an area of 1,600 square feet each. Eight of the 25 grids were selected using random number generation. The soil boring was located in the center of the eight selected grids resulting in systematic random sampling. Figure 4 presents the grid system and soil boring locations.

Each soil boring was advanced to 15 feet bgs. The borings were continuously sampled using 5-foot dedicated acetate sleeves inside the bottom drill rod to recover intact core sections. The sleeves were cut open, samples were collected, soil was classified, and observations noted in the field log.

One soil sample was collected from the top two feet of soil across all eight borings soil. Four increments were collected from each boring: 0 inches, 8 inches, 16 inches, and 24 inches bgs. The increments from each boring were combined with the same four increment intervals from the other seven soil borings to yield a single multi-increment (MI) sample for the entire site. Samples were analyzed using the following methods:

- VOCs by Environmental Protection Agency (EPA) Method 8260B;

- Gasoline range organics (GRO) by Alaska Method AK-101;
- Diesel range organics (DRO) by Alaska Method AK-102;
- Residual range organics (RRO) by Alaska Method AK-103;
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C Selective Ion Mode; and
- Resource Conservation and Recovery Act (RCRA) metals by EPA Method 6020/7470.

Another soil sample was collected across the vertical profile of soil from the ground surface to 15 feet bgs. Eight increments were collected from each boring: 0 feet, 2 feet, 4 feet, 6 feet, 8 feet, 10 feet, 12 feet, and 14 feet bgs. The increments from each boring were combined with the same eight increment intervals from the other seven soil borings to yield a single MI sample for the entire site. This exact procedure was replicated two times in order to have a triplicate sample for quality assurance purposes. Samples were collected for the following analyses:

- VOCs by EPA Method 8260B;
- GRO by Alaska Method AK-101;
- DRO by Alaska Method AK-102;
- RRO by Alaska Method AK-103;
- PAHs by EPA Method 8270C Selective Ion Mode; and
- RCRA metals by EPA Method 6020/7470.

2.3 Test Wells

Three temporary test wells were installed at the site to sample groundwater. Based on interpretation of MIP analysis (see Section 3.1), the locations of the test wells were selected to triangulate the spatial extent of the site. One well (TW-1) was set in an assumed upgradient location on the northwest side of the site, and the other two wells (TW-2 and TW-3) were set in assumed downgradient locations on the southeast side of the site. Figure 5 shows the locations of the test wells. Groundwater flow direction was assumed to be easterly and/or southerly because Cook Inlet is located approximately ¼-mile east of the site and Three Mile Creek is located approximately ¼-mile south of the site.

The wells were advanced to 19 feet bgs using the GeoProbe® drill rig with a 4-foot stainless steel screen inside the base of the drill rod. When the boring reached 19 feet bgs, the drill rod was pulled back to 15 feet bgs while the screen was secured in place, thereby creating a 4-foot screened interval from 15 to 19 feet bgs.

The wells were purged with a peristaltic pump using low-flow sample techniques and a flow-through cell to monitor pH, temperature, and conductivity for stabilization. Dedicated tubing was used for each well. When pH, temperature, and conductivity had stabilized for three successive readings, groundwater samples were collected. Samples were analyzed using the following methods:

- VOCs by EPA Method 8260B;
- GRO by Alaska Method AK-101;
- DRO by Alaska Method AK-102;
- PAHs by EPA Method 8270C Selective Ion Mode; and
- RCRA total metals by EPA Method 6020/7471.

2.4 Drinking Water Wells

KPB helped OASIS identify 15 nearby properties and their owners to determine the number of private wells located in the immediate vicinity of the site. OASIS mailed out an information

request to the property owners regarding the use of private wells. OASIS received responses from 6 of the 15 property owners, four of which had private drinking water wells on their property. The four wells all are greater than 100 feet deep. Of the four respondents, only one was located within 1,000 feet of the site and in a location assumed to be hydraulically downgradient of the site. Based on this fact and because of the limited contamination identified during MIP analysis and soil boring observations (see Sections 3.1 and 3.2, respectively), OASIS only sampled one well from the four respondents. The one well was located approximately 750 feet east of the site and in an assumed hydraulically downgradient location. Figure 2 shows the locations of the private wells inventoried during this assessment and the one well that was sampled.

The well pump was turned on using a generator in the well shed. Water was allowed to run for a few minutes, and a sample was collected directly from the hose connected to the wellhead. Samples were analyzed using the following methods:

- VOCs by EPA Method 8260B;
- GRO by Alaska Method AK-101; and
- DRO by Alaska Method AK-102.

2.5 Work Plan Deviations

The major deviation that occurred was that no source area samples were collected. The reason is because field analysis with MIP did not detect VOCs in soil and groundwater; consequently, no source areas were identified. This situation is discussed in more detail in Section 3.1. No other significant omissions or deviations occurred during Phase II activities at the Former West Cook Inlet Site. There were two minor deviations:

- No samples were analyzed for polychlorinated biphenyls (PCBs); and
- The drinking water well sample was not analyzed for PAHs or metals.

No samples were analyzed for PCBs for two reasons: the absence of observed contamination during MIP analysis and soil boring installation, and the absence of any indication that the property had been used for living or work quarters. Given these two reasons, the possibility that PCBs would have been used at the site seemed unlikely.

In addition to not sampling the drinking water well for PCBs, the drinking water well sample also was not analyzed for PAHs or metals. The reasons are the same as for not sampling for PCBs, and because if any contamination is present that is related to the site, it would be the more mobile parameters, i.e. VOCs, which are found in fuel.

2.6 Investigation Derived-Waste

Phase II field activities generated solid and aqueous investigation-derived waste (IDW). Solid IDW included used PPE and sampling equipment, such as disposable nitrile gloves, sample spoons, acetate sleeves, used preservative vials, and peristaltic pump tubing. These items were contained in trash bags and disposed of at the Anchorage Municipal Landfill. Aqueous IDW included test well purge water and decontamination fluids. These wastes were contained in sealed 5-gallon buckets and disposed of on the ground surface following receipt of analytical data, which indicated no contaminants were present at hazardous levels (see Section 3).

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3.0 FINDINGS

This section discusses the results of the Phase II ESA and includes tables that present the analytical results. Attachment 5 contains a copy of the laboratory analytical reports.

3.1 Test Borings

The results of MIP analysis showed almost no evidence of contamination from VOCs. Attachment 6 presents MIP graphical output from the seven test borings. The FID response is located in the "Detector 1" section, and the PID response is located in the "Detector 2" section. For point of reference, the calibration check that was performed before and after each test boring was a 10 parts per million benzene solution that averaged 1.75E+5 uV on the FID response. Only once during MIP analysis was this threshold exceeded: at approximately 19.2 feet bgs in TP-4. However, the accuracy of this result is questionable because the PID response did not correspond with the FID response, which suggests that an interference, such as a biogenic organic, possibly occurred.

After advancing seven test borings that spatially covered a majority of the site, the field team determined that the potential for finding VOC contamination with additional test borings was dwindling. Therefore, the field team concluded that no significant area of VOC contamination existed because the field team believed that one of the seven test borings should have detected soil or groundwater contamination if contamination was in fact present.

This conclusion ruled out the presence and sampling of source decision units, as outlined in the objectives of Section 1.2, leaving the collection of site-wide MI samples as the only soil sampling. Also, without known contamination in groundwater to guide the selection of test well locations, the field team decided to triangulate the site with three test wells: one at a location assumed to be hydraulically upgradient and two at locations hydraulically downgradient, as seen in Figure 5.

3.2 Soil Borings

The findings of the MIP analysis determined that no significant area of contamination was identified at the Former West Cook Inlet Construction Yard site; therefore, the need to collect samples from source decision units, as outlined in the objectives of Section 1.2, was not necessary. This development left the collection of site-wide MI samples as the only soil sampling. As discussed in Section 2.2, one MI sample (06WCI02SS) was collected from the top two feet of soil for the eight soil borings, and three replicate MI samples (06WCI03SS, 06WCI04SS, and 06WCI05SS) were collected from the surface to 15 feet bgs for the eight soil borings. All soil samples were analyzed for VOCs, GRO, DRO, RRO, PAHs, and metals to determine average concentrations across the entire site. Field observations and PID screening did not detect VOCs during sampling. Attachment 7 contains boring logs for all eight soil borings.

No VOCs, GRO, or PAHs were detected in any of the four soil boring samples. Of the eight metals analyzed for, only barium and chromium were detected. These two metals were detected above laboratory reporting limits in all four soil samples, but the detected concentrations are less than the most stringent DEC Method 2 SCLs. The concentrations of barium and chromium are assumed to be background levels.

DRO was detected in all four samples at concentrations less than the most stringent DEC Method 2 SCL. RRO was detected in the surface soil sample (06WCI02SS) at 440 milligrams per kilogram (mg/kg), which is well below the most stringent DEC Method 2 SCL. RRO also was detected in one (06WCI03SS) of the three replicate samples at a concentration more than

twice the laboratory reporting limit. The reason why RRO was detected in only one of the replicate samples is unknown, but the result is well less than the SCL and did not impact decision making. Table 2 presents the analytical results for the soil boring samples.

3.3 Test Wells

Based on the absence of MIP analysis to detect VOCs in groundwater and assist in the selection of temporary test well locations, the field team decided to triangulate the site with three test wells. One well was placed at a location assumed to be hydraulically upgradient, and the other two were placed at locations assumed to be hydraulically downgradient, as seen in Figure 5.

As discussed in Section 2.3, groundwater samples were collected from the temporary wells and analyzed for VOCs, GRO, DRO, PAHs, and metals. No VOCs, GRO, or PAHs were detected in any of the groundwater samples. Table 3 presents the analytical results for DRO and metals. DRO was detected in the sample from TW-3 at a concentration (0.27 milligrams per liter [mg/L]) just above the laboratory reporting limit (0.25 mg/L), but well below DEC's groundwater cleanup level (GCL) of 1.5 mg/L. Arsenic, barium, chromium, and lead were detected in samples from TW-1 and TW-2, but all concentrations were less than GCLs. Lead also was detected in the sample from TW-3, but again below the GCL. No analyte exceeded its respective GCL in any sample from the three test wells.

The detection of DRO in the sample from TW-3 has two probable causes: impact from the site or an off-site influence. A DEC designated contaminated site, Three Mile Creek Services, is located across Beluga Highway from the Former West Cook Inlet Construction Yard. Documented soil contamination at that site could have impacted groundwater and migrated approximately 250 feet in groundwater. Or, DRO in the soil at the Former West Cook inlet Construction Yard site, as documented in Section 3.2, may have impacted groundwater. Either scenario appears possible.

3.4 Drinking Water Wells

One drinking water well was sampled for VOCs, GRO, and DRO. No analyte was detected above laboratory reporting limits. Impact to nearby drinking water wells is not expected because of the absence of documented contamination in site samples.

4.0 QUALITY ASSURANCE REVIEW

The analytical results for all field, laboratory quality assurance, and quality control samples were evaluated. The data was reviewed to determine the integrity of the reported analytical results and ensure they met data quality objectives. The guidelines for data review are outlined in the Quality Assurance Project Plan (OASIS 2006a), which details the requirements for precision, accuracy, representativeness, comparability, and completeness.

4.1 Completeness

For this project, OASIS made three deliveries of samples. One delivery occurred on June 1, 2006 to Test America in Anchorage, Alaska. The interior cooler temperature was 5.2 º Celsius. Another delivery occurred on June 2, 2006 to On-Site Environmental, Inc., in Redmond, Washington. The laboratory received the shipment with interior cooler temperatures within the range of 2.0º to 6.0º Celsius. A final delivery occurred on June 8, 2006 to Test America. The interior cooler temperature was 3.9º Celsius. All of the samples collected were extracted within holding times resulting in 100% completeness; however, the matrix spike/matrix spike duplicate (MS/MSD) analysis for aqueous VOCs was extracted beyond the 14-day holding time. Percent recoveries and surrogate recoveries were within control limits for the MS/MSD sample analysis, so the holding time exceedance should not affect reported results.

4.2 Accuracy

Surrogate recoveries were within acceptable recovery ranges for all organic analyses except for PAHs from sample 06WCI01GW. Given that the PAH results for sample 06WCI01GW all were non-detect, surrogate recovery should not affect reported results. In addition, percent recoveries for MS/MSD samples were within control limits except for all organic analyses except for fluorene, phenanthrene, and anthracene in water. Again, given that PAH results were non-detect for all water samples, these recovery exceedances should not affect reported results. Based on a review of percent recovery data, the data quality objective for accuracy was met.

4.3 Precision

The relative percent difference calculations were within limits for all MS/MSD and laboratory control samples. Field sampling error was determined by collecting three replicate soil samples (06WCI03SS, 06WCI04SS, and 06WCI05SS) and two duplicate soil samples (06WCI06GW and 06WCI07GW). For the detected analytes in the replicate soil samples, relative standard deviations (RSDs) for DRO, RRO, barium, and chromium are 10.5%, 55.1%, 9.7%, and 6.5%, respectively. The RSDs for DRO, barium, and chromium are within precision requirements for the project, but the RSD for RRO is outside of range. The reason is that one sample had a reportable concentration of RRO, while the other two samples were non-detect. Given that the detected concentration is an order of magnitude below the SCL, the high RSD value for RRO should not cause concern about potential sample error. For the detected analytes in the duplicate water samples, relative percent differences (RPDs) for arsenic, barium, chromium, and lead are 5.9%, 5.2%, 34.5%, and 0%, respectively. The RPDs for arsenic, barium, and lead are within precision requirements for the project, but the RPD for chromium is outside of range. Given that the detected concentrations in the duplicate samples are below the GCL for chromium, the precision error should not cause concern about potential sample error. Based on a review of RSD and RPD data, the data quality objective for precision was met.

4.4 Comparability

Samples were collected and analyzed in a manner that allowed for analytical results to be compared to each other. The samples were analyzed for the same parameters, unless

previously noted otherwise, using the same analytical methods, and reported in equal units of measure. The laboratory reporting limits for arsenic and selenium were greater than the most stringent DEC Method 2 SCLs; therefore, a thorough analysis of arsenic and selenium concentrations in soil has not been accomplished in this study. The laboratory reporting limit for arsenic was 11 mg/kg, while the most stringent SCL is 2 mg/kg. The laboratory reporting limit for selenium was 11 mg/kg, while the most stringent SCL is 3.5 mg/kg. No detected concentration of arsenic or selenium was detected in this project, so the actual concentration of arsenic and selenium is no greater than 11 mg/kg for both analytes.

4.5 Representativeness

Soil samples were collected from randomly selected boring locations to determine average concentrations at the site. Increments of the MI samples were collected from identical intervals between borings to create a systematic approach to sample collection. Groundwater samples were collected when water quality parameters had stabilized to obtain a groundwater sample as representative of aquifer conditions as possible. Based on the measured RSD and RPD values for replicate soil samples and duplicate groundwater samples, the field team introduced an acceptable level of error during sample and field processes, thereby indicating that samples representative of actual field conditions likely were collected.

One trip blank was submitted for analysis of VOCs and GRO for soil samples (06WCI12TB) and one for water samples (06WCI11TB). No VOCs or GRO were detected in either trip blank sample. A rinsate blank was submitted to determine the effectiveness of decontamination of drill rods. The sample was collected by pouring deionized water through a decontaminated drill rod in the field and collecting the rinsate water for analysis of VOCs, GRO, DRO, PAHs, and metals. All analytical results were non-detect for the rinsate sample.

5.0 CONCLUSIONS

OASIS conducted this Phase II ESA for DEC and KPB following the project's QAPP and work plan. This Phase II ESA further investigated the findings presented in the Phase I ESA for the Former West Cook Inlet Construction Yard site.

The Phase I ESA was unable to yield a conclusive opinion regarding the state of recognized environmental conditions at the site. The results of a 1993 DEC inspection, the presence of a contaminated site just north of the Former West Cook Inlet Construction Yard, and the observed state of the adjoining property to the southwest all indicated that soil and groundwater contamination could be present at the site. However, observations from the Phase I ESA reconnaissance did not identify significant risk for potential contamination at the site. These conflicting findings caused OASIS to recommend a Phase II ESA to provide a more thorough assessment of potential recognized environmental conditions at the site.

This Phase II ESA included field analysis of seven test borings to determine locations of potential source areas; collection of soil samples from eight soil borings to determine average concentrations of contaminants in the top two feet of soil and across the site from surface to groundwater; collection of groundwater from three test wells; and the collection of a sample from one private drinking water well downgradient of the site. The findings from these activities are listed below:

- No source area of contamination was identified by field analysis;
- The average organic contaminant and metals concentrations in soil for all analytes did not exceed DEC Method 2 soil cleanup levels;
- Groundwater concentrations for all analytes did not exceed DEC groundwater cleanup levels; and
- No analyte was detected in the private drinking water well sample.

These Phase II findings indicate that no significant source of contamination or migration of contamination is present at the Former West Cook Inlet Construction Yard site. Average concentrations in soil at the site show that while some analytes are detected above laboratory reporting limits (DRO, RRO, barium, and chromium), none of these exceed DEC Method 2 soil cleanup levels. Similarly, groundwater concentrations show that while DRO, arsenic, barium, chromium, and lead sometimes exceed laboratory reporting limits, none of the concentrations exceed DEC groundwater cleanup levels.

These results should not be construed to suggest that there is no contamination anywhere on the property because the Phase I observations noted small soil stains located underneath abandoned vehicles and a small pile of battery foils. In addition, there is the issue of removing and disposing of the abandoned vehicles, trailers, tires, and empty drums at the site before beneficial re-use of the property could occur. Rather, this Phase II ESA finds that there is no significant mass of contaminants at the site which creates a source area or contributes to migration of contamination in soil and groundwater at the site. Based on this finding, no further assessment of the Former West Cook Inlet Construction Yard site is required at this time.

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6.0 REFERENCES

Alaska Department of Environmental Conservation (DEC), July 11, 2005, DEC Brownfields Assessment Request Form – 1995, prepared by Kenai Peninsula Borough.

ASTM, 2002, Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process, E 1903-97.

OASIS Environmental, Inc., 2006a, *Quality Assurance Project Plan, Final, Former West Cook Inlet Construction Yard, Beluga, Alaska*, prepared for Alaska Department of Environmental Conservation.

_____, 2006b, Phase I Environmental Site Assessment, Former West Cook Inlet Construction Yard, Final Report, prepared for Alaska Department of Environmental Conservation.

_____, 2006c, Phase II Environmental Site Assessment, Final Work Plan. Former West Cook Inlet Construction Yard, Beluga, Alaska, prepared for Alaska Department of Environmental Conservation.

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ATTACHMENT 1

FIGURES

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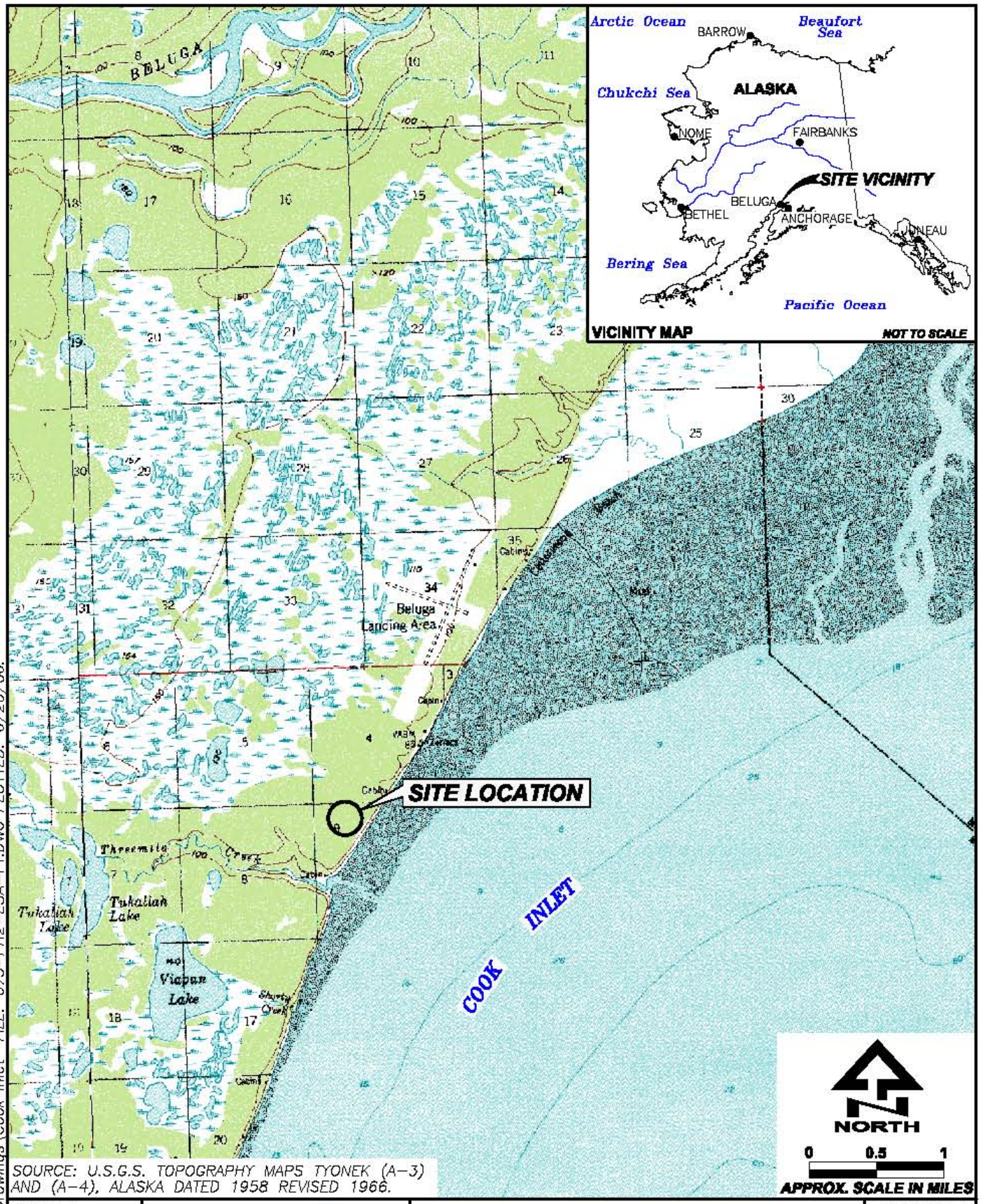

SOURCE: U.S.G.S. TOPOGRAPHY MAPS TYONEK (A-3) AND (A-4), ALASKA DATED 1958 REVISED 1966.

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DATE	JUNE 2006
CHKD	B.J.M.
DRAWN	C.E.H.
PROJ. NO	14-075

ENVIRONMENTAL
825 W. 8TH AVENUE, SUITE 200
ANCHORAGE, ALASKA 99501

SITE LOCATION MAP

PHASE II ESA
FORMER WEST COOK INLET
CONSTRUCTION YARD
Beluga, Alaska

FIGURE

1

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DATE JUNE 2006 CHKD B.J.M. DRAWN C.E.H. PROJ. NO 14-057	oasis ENVIRONMENTAL 825 W. 8TH AVENUE, SUITE 200 ANCHORAGE, ALASKA 99501	**SITE PLAN AND PRIVATE WELL LOCATIONS** PHASE II ESA FORMER WEST COOK INLET CONSTRUCTION YARD Beluga, Alaska	FIGURE **2**

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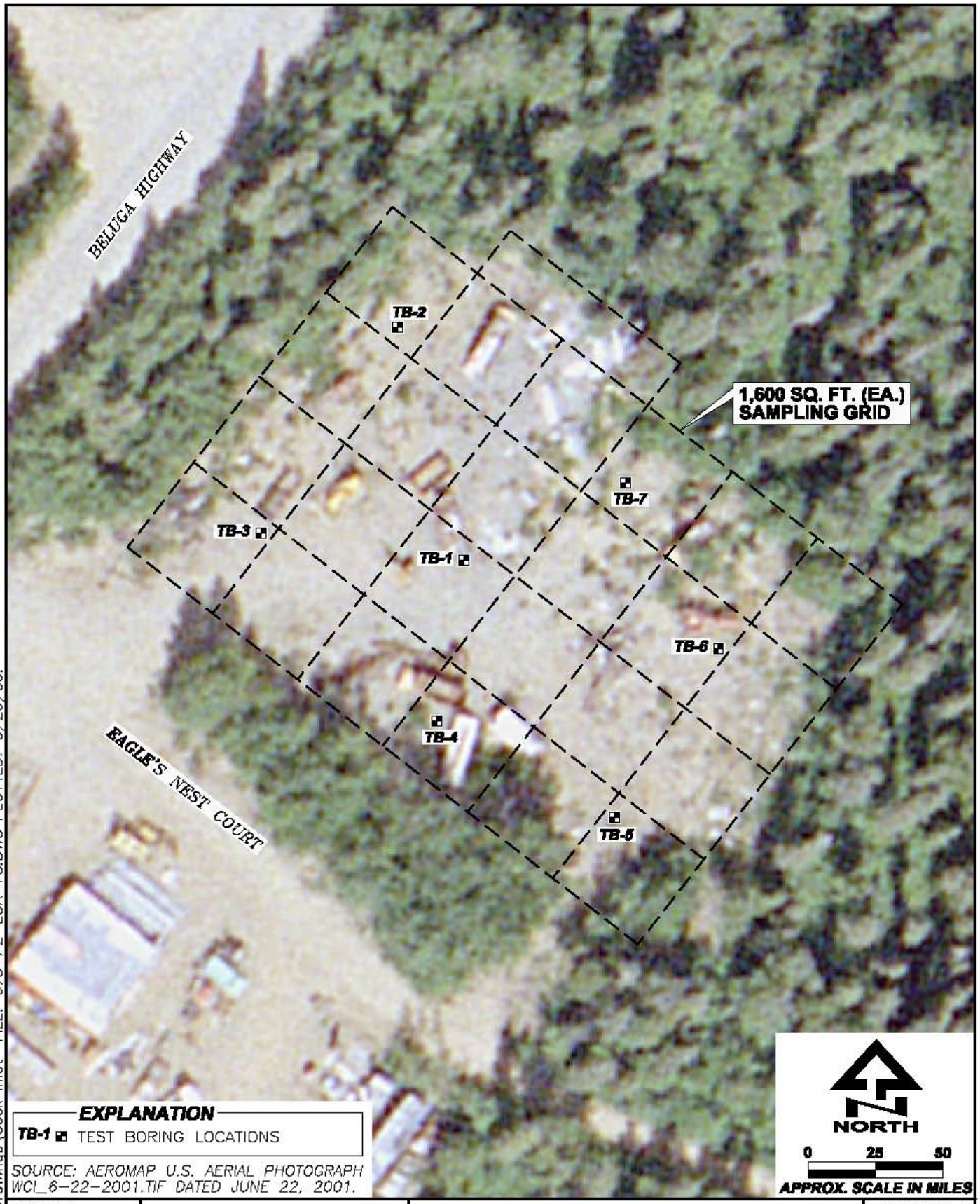

EXPLANATION

TB-1 ■ TEST BORING LOCATIONS

SOURCE: AEROMAP U.S. AERIAL PHOTOGRAPH WCI_6-22-2001.TIF DATED JUNE 22, 2001.

NORTH

0 25 50

APPROX. SCALE IN MILES

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DATE	JUNE 2006
CHKD	B.J.M.
DRAWN	C.E.H.
PROJ. NO	14-075

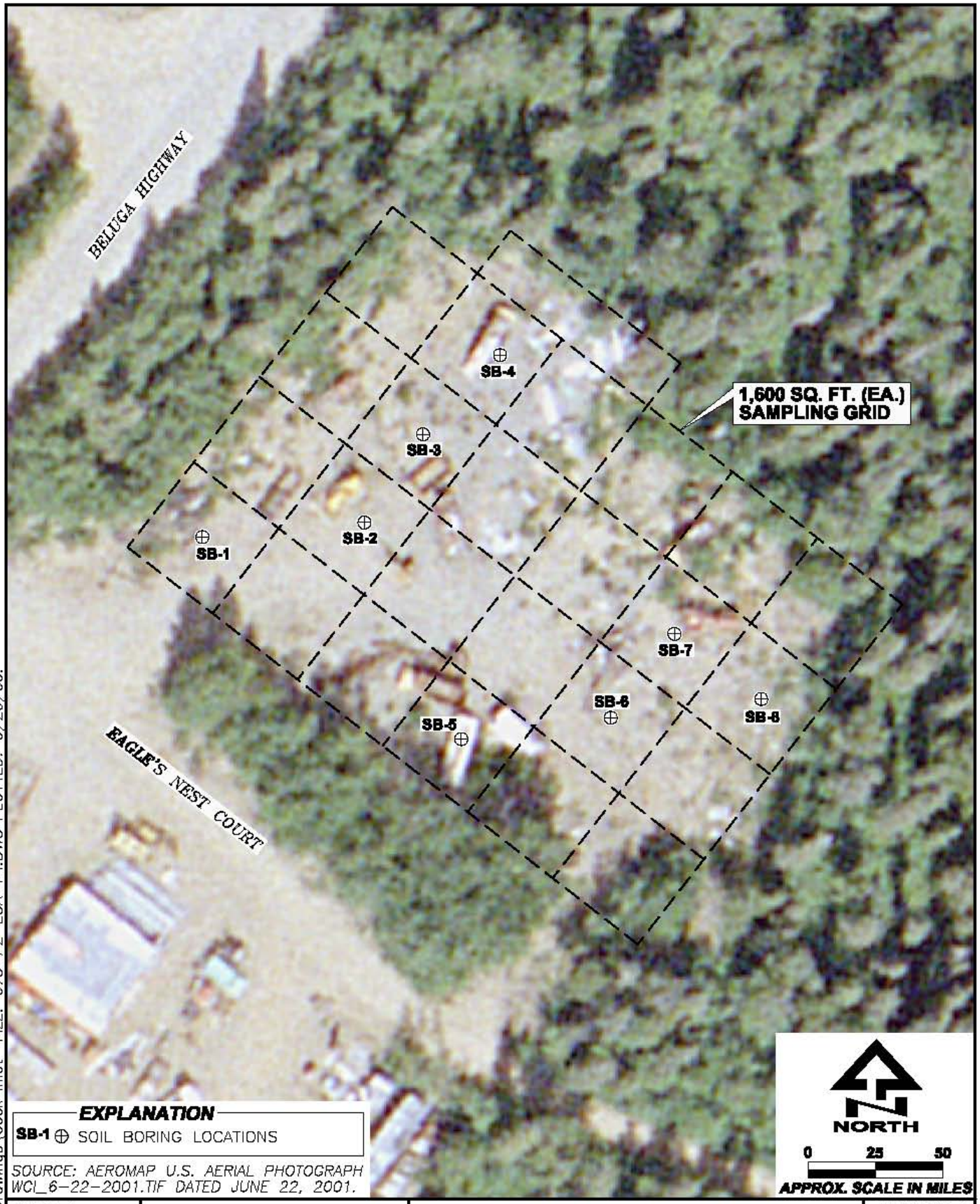
ENVIRONMENTAL
825 W. 8TH AVENUE, SUITE 200
ANCHORAGE, ALASKA 99501

TEST BORING LOCATIONS

PHASE II ESA
FORMER WEST COOK INLET
CONSTRUCTION YARD
Beluga, Alaska

FIGURE

3



EXPLANATION

SB-1 ⊕ SOIL BORING LOCATIONS

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DATE	JUNE 2006
CHKD	B.J.M.
DRAWN	C.E.H.
PROJ. NO	14-075

ENVIRONMENTAL
825 W. 8TH AVENUE, SUITE 200
ANCHORAGE, ALASKA 99501

SOIL BORING LOCATIONS

PHASE II ESA
FORMER WEST COOK INLET
CONSTRUCTION YARD
Beluga, Alaska

FIGURE

4

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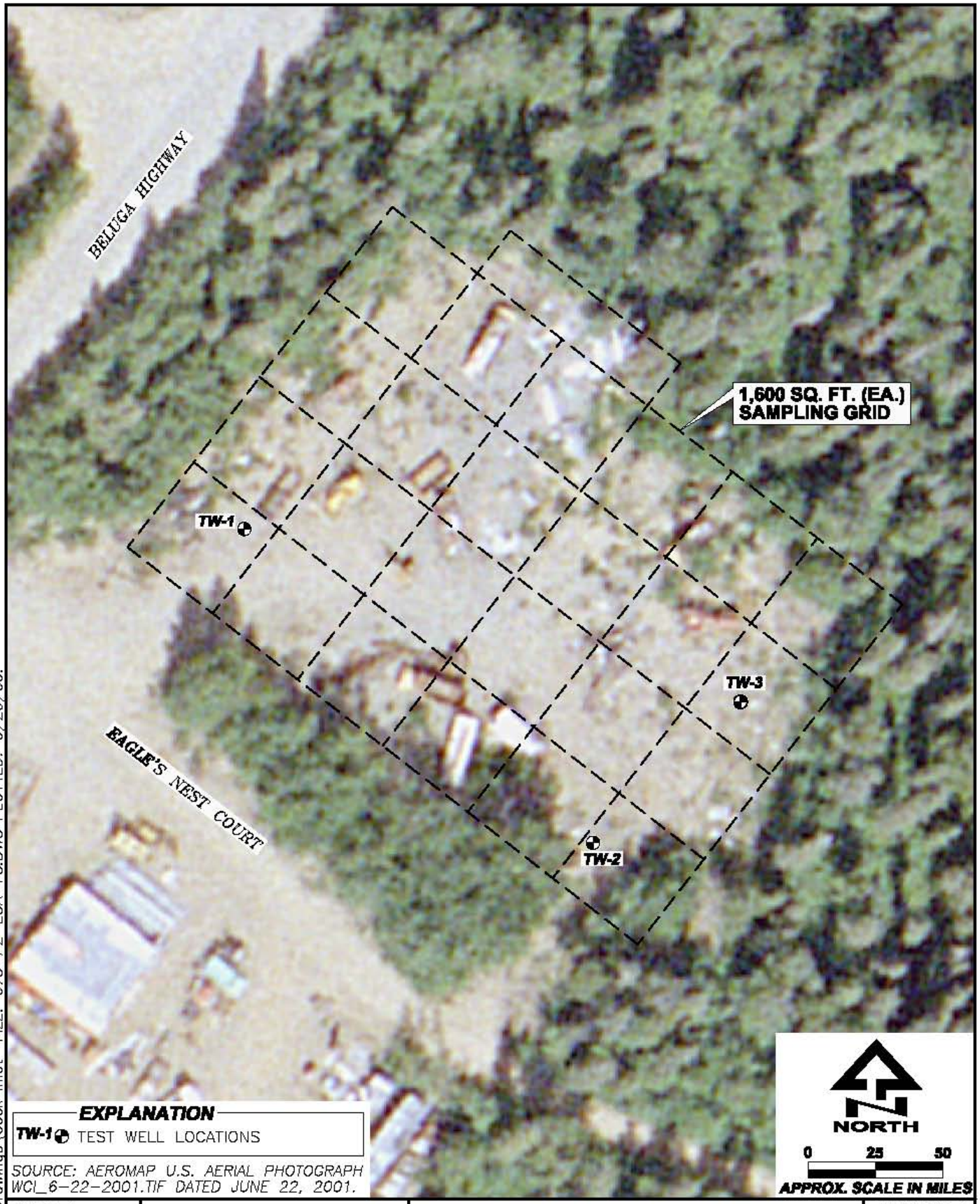

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DATE	JUNE 2006
CHKD	B.J.M.
DRAWN	C.E.H.
PROJ. NO	14-075

ENVIRONMENTAL
825 W. 8TH AVENUE, SUITE 200
ANCHORAGE, ALASKA 99501

TEST WELL LOCATIONS

PHASE II ESA
FORMER WEST COOK INLET
CONSTRUCTION YARD
Beluga, Alaska

FIGURE

5

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ATTACHMENT 2

TABLES

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Table 1. Sample Summary
Former West Cook Inlet Construction Yard

			Analysis					
Sample Number	**Sample Location**	**Sample Matrix**	**VOCs**	**GRO**	**DRO**	**RRO**	**PAHs**	**RCRA Metals**
06WCI01GW	TW-1	Groundwater	✔	✔	✔		✔	✔
06WCI02SS	MI from all soil borings	Soil (0-2 ft bgs)	✔	✔	✔	✔	✔	✔
06WCI03SS	MI from all soil borings	Soil (0-15 ft bgs)	✔	✔	✔	✔	✔	✔
06WCI04SS	MI from all soil borings	Replicate of 06WCI03SS	✔	✔	✔	✔	✔	✔
06WCI05SS	MI from all soil borings	Replicate of 06WCI03SS	✔	✔	✔	✔	✔	✔
06WCI06GW	TW-2	Groundwater	✔	✔	✔		✔	✔
06WCI07GW	TW-2	Duplicate of 06WCI06GW	✔	✔	✔		✔	✔
06WCI08GW	TW-3	Groundwater	✔	✔	✔		✔	✔
06WCI09DW	Private Well	Drinking Water	✔	✔	✔			
06WCI10WA	Drill Road	Rinsate Blank	✔	✔	✔		✔	✔
06WCI11TB	Laboratory	Trip Blank	✔	✔				
06WCI112TB	Laboratory	Trip Blank	✔	✔				

Key:
bgs = below ground surface
DRO = Diesel range organics
ft = feet
GRO = Gasoline range organics
PAHs = Polycyclic aromatic hydrocarbons
RCRA = Resource Conservation and Recovery Act
RRO = Residual range organics

Table 2. Soil Boring Analytical Results
Former West Cook Inlet Construction Yard

	Sample Number				
Analyte	**06WCI02SS**	**06WCI03SS**	**06WCI04SS**	**06WCI05SS**	**DEC Method Two Cleanup Level**
AK Petroleum Methods (mg/kg)					
DRO	140	67	71	57.7	250
RRO	440	120	ND (50.0)	ND (50.0)	10,000
RCRA Metals (mg/kg)					
Barium	43	36	40	33	1,100
Chromium	11	11	9.8	11	26

Note: Value in parentheses indicates the laboratory reporting limit.

Key:

DEC = Alaska Department of Environmental Conservation

DRO = Diesel range organics

mg/kg = milligrams per kilogram

ND = not detected

RCRA = Resource Conservation and Recovery Act

RRO = Residual range organics

UCL = upper confidence limit

Table 3. Test Well Analytical Results
Former West Cook Inlet Construction Yard

Test Well	TW-1	TW-2		TW-3	
Sample Number / Analyte	06WCI01GW	06WCI06GW	06WCI07GW	06WCI08GW	DEC Groundwater Cleanup Level
AK Petroleum Methods (mg/L)					
DRO	ND (0.25)	ND (0.25)	ND (0.24)	0.27	1.5
RCRA Metals (ug/L)					
Arsenic	3.4	5.2	4.9	ND (3.3)	50
Barium	79	56	59	ND (28)	2,000
Chromium	15	17	12	ND (11)	100
Lead	7.6	11	11	2.4	15

Note: Value in parentheses indicates the laboratory reporting limit.

Key:

DEC = Alaska Department of Environmental Conservation

DRO = Diesel range organics

ug/L = micrograms per liter

mg/L = milligrams per liter

ND = not detected

RCRA = Resource Conservation and Recovery Act

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ATTACHMENT 3

FIELD NOTES

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5/10/06 WCI 14-075

Phase I Site Visit.

Fly on Spenck Air to Tyonek. Meet Emil Mcloud of Tyonek Construction + rent vehicle. Then will visit site.

Important things to accomplish today:

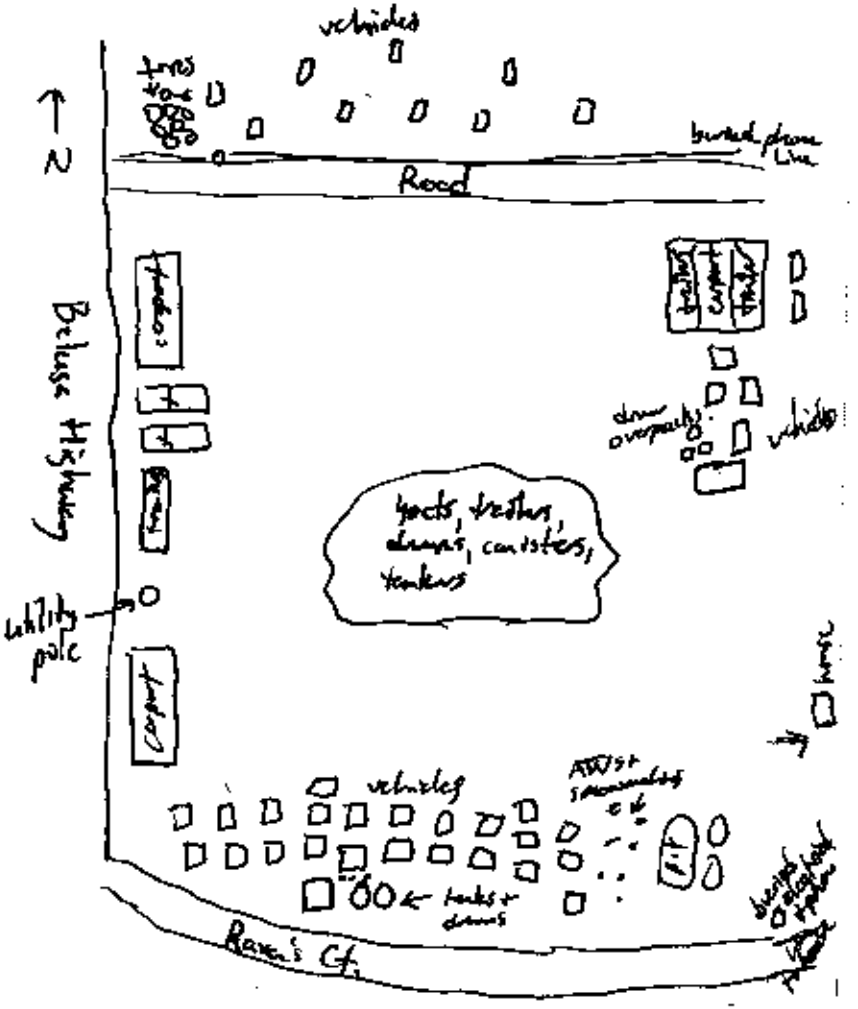
- Map site
- Develop DQOs, including decision area(s)
- Meet Bob Freeman
- Figure out how to transport Geoprobe over there
- Figure out where to stay
- Determine which properties may have wells
- Determine possible presence of underground utilities

Site visit lasted from 1045-1330. Got the truck stuck in the mud for 90 minutes which slowed the recon. Spoke with Bob Freeman. He provided info on how to ship Geoprobe and he has a cabin that we can stay at during the Phase II. Cargo carrier is Arctic Circle Air. Talk to Jeff at 243-1380 or 884-7397.

5/10/06

WCI 5/10/06

The site is full of debris. Attempted to GPS the site but boundaries are too difficult to figure out, so will just use an aerial to approximate a good site map



5/24/06 WCI 14-075

Mobilize to Beluga. ~~BO~~ OASIS Ben Mertsch (BM) arrives at 1430. GeoTek Scott Vojta (SV) and Kevin Rogers (KR) arrive at 1530. Spend day setting up GeoProbe and moving eqpt from Beluga airstrip to site (~2 miles north of airstrip).

~~1600~~ 1615 BM conducts project safety meeting with SV & KR in attendance. All agree and sign the HSE Plan

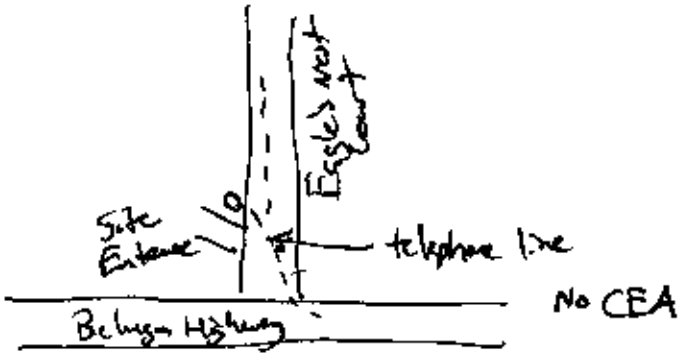
Ben Mertsch 5/24/06

14-075 WCI 5/25/06

0700 Mobilize to the site with MIP unit. KR spent last night running initial calibration checks on the PID/FID. We will run the MIP off the bed of a truck and tow it around the site

Notes about site: One dozen abandoned vehicles, 2 roll-off bins, dozen empty drums, lots of scrap metal, tire pile w/~ 60 tires, battery fo.Is found in south-central portion of site.

Utility info:



0930 Set up at Test Boring (TB) 1 located in center of site to begin MIP work. Water table appears to be at 12 ft bgs based on conductivity spike & temp decrease. Drove to 18 ft bgs. No apparent detections in soil column, but we did have some modeling PID/FID low level peaks in water column at about 14.5-16 ft bgs

Ben Mertsch 5/25/06

5/25/06 WCI 14-075

1055 Set up at TB2 in NW corner of site. Groundwater appears to be at 12.5 ft bgs based on a decrease in temp. Final depth is 17.1 ft bgs. Groundwater had some low level responses on FID and not PID, so organic conditions may be causing interference.

1145 Set up at TB-3 located in SW corner of site. Groundwater appears to be between 10-10.5 ft bgs based on decrease in temp. Final depth is 17.0 ft bgs. Groundwater had some low level responses on FID but there was low correlation w/ PID.

1230 Complete TB-3. Will break for lunch, but first GeoTele pushes screened 5.7 (SPT) so that we can verify depth to groundwater. Water level is 13.6 ft before lunch so we are getting good production

1345 Set up at TB-4 located in south central portion of site. Groundwater appears to be ~ 13 feet bgs based temp decrease + slight increase in conductivity. Total depth was 22 ft to see if anything turned up at greater depths. Small peaks on PID at 15 ft + 19 ft bgs.

5/25/06

14-075 WCI 5/25/06

1500 Set up at TB-5 located in the SE corner of the site. Groundwater encountered somewhere around 12 ft. Total depth is 17.1 ft. The most peaks observed in groundwater in this boring, but the relative sizes were still very small. Some PID correlation also.

1615 Set up at TB-6 in NE corner of site. MIP analysis is the same as the other locations. Some minor FID hits in the smear zone + groundwater with minimal PID correlation

1730 Set up at final MIP location: TB-7. It's located in north central portion of the site. Finish boring at 16.4 bgs at 1845. Temperature at MIP seems to be unable to warm back up after running it for about 0.5 feet through groundwater. Again, no real response - at least nothing greater than the 10 ppm benzene cell check that is performed before + after each boring.

1900 Depart site for the day

5/25/06

5/26/06 WCI 14-075

0700 BM + SV arrive at site and set up to install temporary well points TW-2 + TW-3

0745 BM calibrates YSI meter for pH at 4.0 and pH at 7.0.

0900 Set up to start drilling TW-2 + TW-3. Note: TW-1 is 19 ft deep and screen is from 15-19 ft bgs

0925 BM sets up to sample TW-1. Use peristaltic and monitor for stabilization of pH, temp, cond.

Time	pH	Temp	cond
0933	6.23	5.81	116 mS/cm
0936	6.12	5.90	108
0939	6.14	5.65	95
0942	6.24	5.86	94

0945 Begin collecting MS/MSD sample from TW-1. Sample # 06WCI01GW. Samples collected for VOCs, GRO, DRO, PAHs, RCRA Metals. Two gallons purged

0950 GeoTek starts on SB-6.

1045 GeoTek starts on SB-7

Note on sampling: One sample from top 2 feet with 4 increments 0, 8, 16, 24 inches. GRO, VOCs, DRO, RRO, PAHs, Metals. Three samples from soil column with 4 to 8 increments per boring: 2, 4, 6, 8, 10, 12, 14 ft and 0 ft. Same weights as top 2 feet. Sample from top two feet is 06WCI0253. The three samples from soil column are replicate samples: 06WCI0355, 06WCI0455, 06WCI0555

1115 GeoTek sets up on SB-8

1145 GeoTek sets up on SB-5.

1215 Finish SB-5. Break for lunch. BM picks up OASIS John Ritchie at airstrip. Return to site at 1315

1330 GeoTek begins to push SB-1. JR will sample TW-2 + TW-3 while BM logs borings and collects soil samples.

1350 JR sets up to sample TW-2. Use peristaltic and monitor for stabilization of pH, Temp, cond.

Time	pH	Temp	Cond
1405	9.41	4.57 °C	104 mS/cm
1410	9.72	4.09	96
1414	9.66	4.04	43
1417	9.68	4.25	41
1420	9.66	4.02	39

1430 Begin collecting sample from TW-2 + Dup Sample # 06WCI06GW + 06WCI07GW(DUP); Samples collected for VOCs, GRO, DRO, PAHs, RCRA metals – 2.5 Gallons Purged.

14-075 WCI 5/26/06

5/26/15 WCI 14015

1350 GeoTek sets up at SB-2
1430 GeoTek sets up at SB-3
1450 GeoTek sets up at SB-4.
1540 Complete sampling. Begin organizing sampling eqpt.

1610 JR sets up to sample TW-3 Use peristaltic and monitor for stabilization of pH, Temp, Cond

Time	pH	Temp	Cond
1614	6.53	6.63	41
1616	6.70	6.00	45
1618	6.72	5.30	55
1620	6.88	5.28	47
1622	7.09	5.15	48
1624	7.17	4.99	— Malfunction
1626	7.35	5.08	—
1628	7.42	5.22	—

1630 Begin taking samples from TW-3 → 06WCI08GW for DRO, PAH, GRO, VOCs, RSK Metals. 2.5 gallons Purged.
1760 BM collects sample from Roger's residence Sample # 06WCI09DW. Sampled for VOCs, GRO, DRO
1810 BM & JR collect rinsate sample 06WCI10WA through a drill rod with SPT screen.
1830 Complete day. Go to dinner. RWatts 5/26/15

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ATTACHMENT 4

PHOTOGRAPHS

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Photographs
Former West Cook Inlet Construction Yard Phase II ESA

Photograph 1. Unloading the GeoProbe from the air transport.

Photograph 2. MIP Analysis at TB-1.

Photographs
Former West Cook Inlet Construction Yard Phase II ESA

Photograph 3. Advancing TB-2.


Photograph 4. MIP analysis at TB-3.

Photographs
Former West Cook Inlet Construction Yard Phase II ESA

Photograph 5. Advancing TP-5.

Photograph 6. MIP set-up for TB-7.

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ATTACHMENT 5

LABORATORY ANALYTICAL REPORTS

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OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 20, 2006

Ben Martich
Oasis Environmental, Inc.
825 W 8th Avenue, Suite 200
Anchorage, AK 99501

Re: Analytical Data for Project 14-075
Laboratory Reference No. 0606-026

Dear Ben:

Enclosed are the analytical results and associated quality control data for samples submitted on June 2, 2006.

Please note that page 27 is revised, and replaces the same page in the original report dated June 14, 2006.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

Case Narrative

Samples were collected on May 26, 2006 and received by the laboratory on June 2, 2006. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

As per project requirements, OnSite used double the normal amount of soil for the various sample extraction and preparation processes. Also, for the two samples where two jars of material were provided (06-WCI-02SS & 06-WCI-03SS), a portion was taken from each jar to increase sample representativeness.

PAHs EPA 8270C/SIM (Water) Analysis

The sample 06-WCI-01 GW had one surrogate recovery outside of control limits. This is allowed by the method as long as the recovery is above 10%.

The MS/MSD pair had several recoveries outside of control limits. A spike blank extracted with this batch had all parameters in control, no further action was deemed necessary.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-2-06
Date Analyzed:	6-6-06
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	06-026-01
Client ID:	**06-WCI-01 GW**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.099
2-Methylnaphthalene	ND		0.099
1-Methylnaphthalene	ND		0.099
Acenaphthylene	ND		0.099
Acenaphthene	ND		0.099
Fluorene	ND		0.099
Phenanthrene	ND		0.099
Anthracene	ND		0.099
Fluoranthene	ND		0.099
Pyrene	ND		0.099
Benzo[a]anthracene	ND		0.0099
Chrysene	ND		0.0099
Benzo[b]fluoranthene	ND		0.0099
Benzo[k]fluoranthene	ND		0.0099
Benzo[a]pyrene	ND		0.0099
Indeno(1,2,3-c,d)pyrene	ND		0.0099
Dibenz[a,h]anthracene	ND		0.0099
Benzo[g,h,i]perylene	ND		0.0099

Surrogate :	**Percent Recovery**		**Control Limits**
Nitrobenzene-d5	62		24 - 92
2-Fluorobiphenyl	86		25 - 89
Terphenyl-d14	103	Q	39 - 92

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-2-06
Date Analyzed:	6-6-06
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	06-026-06
Client ID:	**06-WCI-06 GW**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.10
2-Methylnaphthalene	ND		0.10
1-Methylnaphthalene	ND		0.10
Acenaphthylene	ND		0.10
Acenaphthene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Benzo[a]anthracene	ND		0.010
Chrysene	ND		0.010
Benzo[b]fluoranthene	ND		0.010
Benzo[k]fluoranthene	ND		0.010
Benzo[a]pyrene	ND		0.010
Indeno(1,2,3-c,d)pyrene	ND		0.010
Dibenz[a,h]anthracene	ND		0.010
Benzo[g,h,i]perylene	ND		0.010

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	50	24 - 92
2-Fluorobiphenyl	71	25 - 89
Terphenyl-d14	92	39 - 92

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-2-06
Date Analyzed:	6-6-06
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	06-026-07
Client ID:	**06-WCI-07 GW**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.099
2-Methylnaphthalene	ND		0.099
1-Methylnaphthalene	ND		0.099
Acenaphthylene	ND		0.099
Acenaphthene	ND		0.099
Fluorene	ND		0.099
Phenanthrene	ND		0.099
Anthracene	ND		0.099
Fluoranthene	ND		0.099
Pyrene	ND		0.099
Benzo[a]anthracene	ND		0.0099
Chrysene	ND		0.0099
Benzo[b]fluoranthene	ND		0.0099
Benzo[k]fluoranthene	ND		0.0099
Benzo[a]pyrene	ND		0.0099
Indeno(1,2,3-c,d)pyrene	ND		0.0099
Dibenz[a,h]anthracene	ND		0.0099
Benzo[g,h,i]perylene	ND		0.0099

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	44	24 - 92
2-Fluorobiphenyl	63	25 - 89
Terphenyl-d14	92	39 - 92

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-2-06
Date Analyzed:	6-6-06
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	06-026-08
Client ID:	**06-WCI-08 GW**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.10
2-Methylnaphthalene	ND		0.10
1-Methylnaphthalene	ND		0.10
Acenaphthylene	ND		0.10
Acenaphthene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Benzo[a]anthracene	ND		0.010
Chrysene	ND		0.010
Benzo[b]fluoranthene	ND		0.010
Benzo[k]fluoranthene	ND		0.010
Benzo[a]pyrene	ND		0.010
Indeno(1,2,3-c,d)pyrene	ND		0.010
Dibenz[a,h]anthracene	ND		0.010
Benzo[g,h,i]perylene	ND		0.010

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	47	24 - 92
2-Fluorobiphenyl	59	25 - 89
Terphenyl-d14	90	39 - 92

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-2-06
Date Analyzed:	6-6-06
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	06-026-10
Client ID:	**06-WCI-10 GW**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.11
2-Methylnaphthalene	ND		0.11
1-Methylnaphthalene	ND		0.11
Acenaphthylene	ND		0.11
Acenaphthene	ND		0.11
Fluorene	ND		0.11
Phenanthrene	ND		0.11
Anthracene	ND		0.11
Fluoranthene	ND		0.11
Pyrene	ND		0.11
Benzo[a]anthracene	ND		0.011
Chrysene	ND		0.011
Benzo[b]fluoranthene	ND		0.011
Benzo[k]fluoranthene	ND		0.011
Benzo[a]pyrene	ND		0.011
Indeno(1,2,3-c,d)pyrene	ND		0.011
Dibenz[a,h]anthracene	ND		0.011
Benzo[g,h,i]perylene	ND		0.011

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	51	24 - 92
2-Fluorobiphenyl	82	25 - 89
Terphenyl-d14	92	39 - 92

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM
METHOD BLANK QUALITY CONTROL

Date Extracted:	6-2-06
Date Analyzed:	6-6-06
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0602W1

Compound:	Results	Flags	PQL
Naphthalene	ND		0.10
2-Methylnaphthalene	ND		0.10
1-Methylnaphthalene	ND		0.10
Acenaphthylene	ND		0.10
Acenaphthene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Benzo[a]anthracene	ND		0.010
Chrysene	ND		0.010
Benzo[b]fluoranthene	ND		0.010
Benzo[k]fluoranthene	ND		0.010
Benzo[a]pyrene	ND		0.010
Indeno(1,2,3-c,d)pyrene	ND		0.010
Dibenz[a,h]anthracene	ND		0.010
Benzo[g,h,i]perylene	ND		0.010

Surrogate :	Percent Recovery	Control Limits
Nitrobenzene-d5	48	24 - 92
2-Fluorobiphenyl	61	25 - 89
Terphenyl-d14	92	39 - 92

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM
MS/MSD QUALITY CONTROL

Date Extracted: 6-2-06
Date Analyzed: 6-6-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-01

Compound:	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
Naphthalene	ND	0.512	0.295	58	0.278	54	43-76	
Acenaphthylene	ND	0.512	0.358	70	0.341	67	41-88	
Acenaphthene	ND	0.512	0.360	70	0.339	66	45-80	
Fluorene	ND	0.512	0.483	94	0.463	90	49-92	I
Phenanthrene	ND	0.512	0.498	97	0.463	91	53-90	I
Anthracene	ND	0.512	0.500	98	0.480	94	55-94	I
Fluoranthene	ND	0.512	0.476	93	0.492	96	56-102	
Pyrene	ND	0.512	0.462	90	0.479	94	53-99	
Benzo[a]anthracene	ND	0.512	0.319	62	0.342	67	48-104	
Chrysene	ND	0.512	0.357	70	0.379	74	43-94	
Benzo[b]fluoranthene	ND	0.512	0.313	61	0.347	68	52-102	
Benzo[k]fluoranthene	ND	0.512	0.324	63	0.351	69	53-100	
Benzo[a]pyrene	ND	0.512	0.317	62	0.345	67	43-111	
Indeno(1,2,3-c,d)pyrene	ND	0.512	0.317	62	0.350	68	50-105	
Dibenz[a,h]anthracene	ND	0.512	0.335	65	0.356	70	49-96	
Benzo[g,h,i]perylene	ND	0.512	0.306	60	0.340	66	50-103	

	RPD	RPD Limit	Flags
Naphthalene	6	25	
Acenaphthylene	5	25	
Acenaphthene	6	25	
Fluorene	4	25	
Phenanthrene	7	25	
Anthracene	4	25	
Fluoranthene	4	25	
Pyrene	4	25	
Benzo[a]anthracene	7	25	
Chrysene	6	25	
Benzo[b]fluoranthene	10	25	
Benzo[k]fluoranthene	8	25	
Benzo[a]pyrene	9	25	
Indeno(1,2,3-c,d)pyrene	10	25	
Dibenz[a,h]anthracene	6	25	
Benzo[g,h,i]perylene	11	25	

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-9-06
Date Analyzed:	6-13-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	06-026-02
Client ID:	**06-WCI-02SS**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.0036
2-Methylnaphthalene	ND		0.0036
1-Methylnaphthalene	ND		0.0036
Acenaphthylene	ND		0.0036
Acenaphthene	ND		0.0036
Fluorene	ND		0.0036
Phenanthrene	ND		0.0036
Anthracene	ND		0.0036
Fluoranthene	ND		0.0036
Pyrene	ND		0.0036
Benzo[a]anthracene	ND		0.0036
Chrysene	ND		0.0036
Benzo[b]fluoranthene	ND		0.0036
Benzo[k]fluoranthene	ND		0.0036
Benzo[a]pyrene	ND		0.0036
Indeno(1,2,3-c,d)pyrene	ND		0.0036
Dibenz[a,h]anthracene	ND		0.0036
Benzo[g,h,i]perylene	ND		0.0036

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	64	49 - 121
2-Fluorobiphenyl	80	53 - 110
Terphenyl-d14	93	64 - 123

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-9-06
Date Analyzed:	6-14-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	06-026-03
Client ID:	**06-WCI-03SS**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.0036
2-Methylnaphthalene	ND		0.0036
1-Methylnaphthalene	ND		0.0036
Acenaphthylene	ND		0.0036
Acenaphthene	ND		0.0036
Fluorene	ND		0.0036
Phenanthrene	ND		0.0036
Anthracene	ND		0.0036
Fluoranthene	ND		0.0036
Pyrene	ND		0.0036
Benzo[a]anthracene	ND		0.0036
Chrysene	ND		0.0036
Benzo[b]fluoranthene	ND		0.0036
Benzo[k]fluoranthene	ND		0.0036
Benzo[a]pyrene	ND		0.0036
Indeno(1,2,3-c,d)pyrene	ND		0.0036
Dibenz[a,h]anthracene	ND		0.0036
Benzo[g,h,i]perylene	ND		0.0036

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	57	49 - 121
2-Fluorobiphenyl	70	53 - 110
Terphenyl-d14	94	64 - 123

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-9-06
Date Analyzed:	6-14-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	06-026-04
Client ID:	**06-WCI-04SS**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.0036
2-Methylnaphthalene	ND		0.0036
1-Methylnaphthalene	ND		0.0036
Acenaphthylene	ND		0.0036
Acenaphthene	ND		0.0036
Fluorene	ND		0.0036
Phenanthrene	ND		0.0036
Anthracene	ND		0.0036
Fluoranthene	ND		0.0036
Pyrene	ND		0.0036
Benzo[a]anthracene	ND		0.0036
Chrysene	ND		0.0036
Benzo[b]fluoranthene	ND		0.0036
Benzo[k]fluoranthene	ND		0.0036
Benzo[a]pyrene	ND		0.0036
Indeno(1,2,3-c,d)pyrene	ND		0.0036
Dibenz[a,h]anthracene	ND		0.0036
Benzo[g,h,i]perylene	ND		0.0036

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	71	49 - 121
2-Fluorobiphenyl	81	53 - 110
Terphenyl-d14	94	64 - 123

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM

Date Extracted:	6-9-06
Date Analyzed:	6-14-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	06-026-05
Client ID:	**06-WCI-05SS**

Compound:	**Results**	**Flags**	**PQL**
Naphthalene	ND		0.0036
2-Methylnaphthalene	ND		0.0036
1-Methylnaphthalene	ND		0.0036
Acenaphthylene	ND		0.0036
Acenaphthene	ND		0.0036
Fluorene	ND		0.0036
Phenanthrene	ND		0.0036
Anthracene	ND		0.0036
Fluoranthene	ND		0.0036
Pyrene	ND		0.0036
Benzo[a]anthracene	ND		0.0036
Chrysene	ND		0.0036
Benzo[b]fluoranthene	ND		0.0036
Benzo[k]fluoranthene	ND		0.0036
Benzo[a]pyrene	ND		0.0036
Indeno(1,2,3-c,d)pyrene	ND		0.0036
Dibenz[a,h]anthracene	ND		0.0036
Benzo[g,h,i]perylene	ND		0.0036

Surrogate :	**Percent Recovery**	**Control Limits**
Nitrobenzene-d5	69	49 - 121
2-Fluorobiphenyl	80	53 - 110
Terphenyl-d14	93	64 - 123

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM
METHOD BLANK QUALITY CONTROL

Date Extracted:	6-9-06
Date Analyzed:	6-13-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0609S1

Compound:	Results	Flags	PQL
Naphthalene	ND		0.0067
2-Methylnaphthalene	ND		0.0067
1-Methylnaphthalene	ND		0.0067
Acenaphthylene	ND		0.0067
Acenaphthene	ND		0.0067
Fluorene	ND		0.0067
Phenanthrene	ND		0.0067
Anthracene	ND		0.0067
Fluoranthene	ND		0.0067
Pyrene	ND		0.0067
Benzo[a]anthracene	ND		0.0067
Chrysene	ND		0.0067
Benzo[b]fluoranthene	ND		0.0067
Benzo[k]fluoranthene	ND		0.0067
Benzo[a]pyrene	ND		0.0067
Indeno(1,2,3-c,d)pyrene	ND		0.0067
Dibenz[a,h]anthracene	ND		0.0067
Benzo[g,h,i]perylene	ND		0.0067

Surrogate :	Percent Recovery	Control Limits
Nitrobenzene-d5	69	49 - 121
2-Fluorobiphenyl	78	53 - 110
Terphenyl-d14	98	64 - 123

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

PAHs by EPA 8270C/SIM
MS/MSD QUALITY CONTROL

Date Extracted: 6-9-06
Date Analyzed: 6-14-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 06-047-03

Compound:	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
Naphthalene	ND	0.0833	0.0537	64	0.0548	66	30-115	
Acenaphthylene	ND	0.0833	0.0680	82	0.0619	74	46-125	
Acenaphthene	ND	0.0833	0.0693	83	0.0633	76	40-119	
Fluorene	ND	0.0833	0.0747	90	0.0684	82	50-133	
Phenanthrene	ND	0.0833	0.0750	90	0.0736	88	48-128	
Anthracene	ND	0.0833	0.0763	92	0.0733	88	53-134	
Fluoranthene	ND	0.0833	0.0837	100	0.0860	103	50-143	
Pyrene	ND	0.0833	0.0832	100	0.0848	102	44-139	
Benzo[a]anthracene	ND	0.0833	0.0780	94	0.0794	95	62-129	
Chrysene	ND	0.0833	0.0822	99	0.0841	101	42-127	
Benzo[b]fluoranthene	ND	0.0833	0.0841	101	0.0859	103	57-132	
Benzo[k]fluoranthene	ND	0.0833	0.0812	97	0.0824	99	57-131	
Benzo[a]pyrene	ND	0.0833	0.0798	96	0.0819	98	59-132	
Indeno(1,2,3-c,d)pyrene	ND	0.0833	0.0817	98	0.0832	100	55-135	
Dibenz[a,h]anthracene	ND	0.0833	0.0812	97	0.0822	99	36-146	
Benzo[g,h,i]perylene	ND	0.0833	0.0806	97	0.0822	99	42-140	

	RPD	RPD Limit	Flags
Naphthalene	2	25	
Acenaphthylene	9	25	
Acenaphthene	9	25	
Fluorene	9	25	
Phenanthrene	2	25	
Anthracene	4	25	
Fluoranthene	3	25	
Pyrene	2	25	
Benzo[a]anthracene	2	25	
Chrysene	2	25	
Benzo[b]fluoranthene	2	25	
Benzo[k]fluoranthene	2	25	
Benzo[a]pyrene	3	25	
Indeno(1,2,3-c,d)pyrene	2	25	
Dibenz[a,h]anthracene	1	25	
Benzo[g,h,i]perylene	2	25	

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-01
Client ID: 06-WCI-01GW

Analyte	Method	Result	PQL
Arsenic	200.8	**3.4**	3.3
Barium	200.8	**79**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**15**	11
Lead	200.8	**7.6**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-06
Client ID: 06-WCI-06GW

Analyte	Method	Result	PQL
Arsenic	200.8	**5.2**	3.3
Barium	200.8	**56**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**17**	11
Lead	200.8	**11**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-07
Client ID: 06-WCI-07GW

Analyte	Method	Result	PQL
Arsenic	200.8	**4.9**	3.3
Barium	200.8	**59**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**12**	11
Lead	200.8	**11**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-08
Client ID: 06-WCI-08GW

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**2.4**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-10
Client ID: 06-WCI-10WA

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0609W2&MB0612W1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**3.41**	**3.43**	1	3.3	
Barium	**79.3**	**69.6**	13	28	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**14.8**	**15.1**	2	11	
Lead	**7.61**	**7.79**	3	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Selenium	**ND**	**ND**	NA	5.6	
Silver	**ND**	**ND**	NA	11	

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 6-9&12-06
Date Analyzed: 6-9&12-06

Matrix: Water
Units: ug/L (ppb)

Lab ID: 06-026-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	98	**113**	100	2	
Barium	110	**179**	90	**177**	89	1	
Cadmium	110	**110**	100	**111**	101	0	
Chromium	110	**116**	92	**116**	92	0	
Lead	110	**117**	100	**116**	99	1	
Mercury	12.5	**11.9**	95	**12.0**	96	1	
Selenium	110	**111**	100	**114**	103	3	
Silver	110	**102**	93	**103**	93	1	

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 6-8&9-06
Date Analyzed: 6-9-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 06-026-02
Client ID: 06-WCI-02SS

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**43**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**11**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.14
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 6-8&9-06
Date Analyzed: 6-9-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 06-026-03
Client ID: 06-WCI-03SS

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**36**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**11**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.14
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 6-8&9-06
Date Analyzed: 6-9-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 06-026-04
Client ID: 06-WCI-04SS

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**40**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**9.8**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.14
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 6-8&9-06
Date Analyzed: 6-9-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 06-026-05
Client ID: 06-WCI-05SS

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**33**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**11**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.13
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 6-8&9-06
Date Analyzed: 6-9-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0608S1&MB0609S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.13
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 6-8&9-06
Date Analyzed: 6-9-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 06-026-05

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**30.5**	**33.1**	8	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**10.0**	**9.40**	6	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.13	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 6-8&9-06
Date Analyzed: 6-9-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 06-026-05

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	50	**49.9**	100	**50.3**	101	1	
Barium	50	**79.0**	97	**84.5**	108	7	
Cadmium	25	**24.9**	100	**25.1**	100	1	
Chromium	50	**58.4**	97	**59.3**	99	2	
Lead	125	**125**	100	**127**	101	1	
Mercury	0.25	**0.252**	101	**0.250**	100	1	
Selenium	50	**48.2**	96	**42.6**	85	12	
Silver	12.5	**11.4**	91	**11.6**	93	2	

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO AK102

Date Extracted: 6-9-06
Date Analyzed: 6-12-06

Matrix: Water
Units: mg/L (ppm)

Client ID:	**06-WCI-01GW**	**06-WCI-06gw**	**06-WCI-07gw**
Lab ID:	06-026-01	06-026-06	06-026-07
Diesel Range:	**ND**	**ND**	**ND**
PQL:	0.25	0.25	0.24
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	94%	88%	95%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO AK102

Date Extracted: 6-9-06
Date Analyzed: 6-9-06

Matrix: Water
Units: mg/L (ppm)

Client ID:	**06-WCI-08gw**	**06-WCI-09DW**	**06-WCI-10WA**
Lab ID:	06-026-08	06-026-09	06-026-10
Diesel Range:	**0.27**	**ND**	**ND**
PQL:	0.26	0.24	0.26
Identification:	Diesel Range Organics	---	---
Surrogate Recovery			
o-Terphenyl:	100%	100%	98%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO AK102
METHOD BLANK QUALITY CONTROL

Date Extracted:	6-9-06
Date Analyzed:	6-9-06
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB0609W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---

Surrogate Recovery

o-Terphenyl:	90%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO AK102
MS/MSD QUALITY CONTROL

Date Extracted:	6-9-06	
Date Analyzed:	6-9-06	
Matrix:	Water	
Units:	mg/L (ppm)	
Spike Level:	1.00 ppm	
Lab ID:	06-026-01 MS	06-026-01 MSD
Diesel Range:	**0.921**	**0.894**
PQL:	0.25	0.25
RPD:	3	
Surrogate Recovery		
o-Terphenyl:	102%	101%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO AK102
SPIKE BLANK QUALITY CONTROL

Date Extracted:	6-9-06
Date Analyzed:	6-12-06
Matrix:	Water
Units:	mg/L (ppm)
Spike Level:	1.00 ppm
Lab ID:	SB0609W1
Diesel Range:	**0.893**
PQL:	0.25
Percent Recovery:	89
Surrogate Recovery	
o-Terphenyl:	80%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO/RRO by AK102/103

Date Extracted: 6-7-06
Date Analyzed: 6-8-06

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**06-WCI-02SS**	**06-WCI-03SS**
Lab ID:	06-026-02	06-026-03
Diesel Range:	**140**	**67**
PQL:	5.4	5.4
Identification:	Diesel Fuel#2	Diesel Fuel#2
Residual Range:	**440**	**120**
PQL:	11	11
Identification:	Lube Oil	Lube Oil
Surrogate Recovery		
o-Terphenyl:	101%	102%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO/RRO by
AK102/103
METHOD BLANK QUALITY CONTROL

Date Extracted:	6-7-06
Date Analyzed:	6-8-06
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0607S1
Diesel Range:	**ND**
PQL:	5.0
Identification:	---
Residual Range:	**ND**
PQL:	10
Identification:	---
Surrogate Recovery	
o-Terphenyl:	97%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

DRO/RRO by
AK102/103
SB/SBD QUALITY CONTROL

Date Extracted:	6-7-06
Date Analyzed:	6-8-06
Matrix:	Soil
Units:	mg/kg (ppm)
Spike Level:	50 ppm

Lab ID:	SB0607S1	SB0607S1 DUP
Diesel Range:	**48.3**	**44.4**
PQL:	5.0	5.0
Percent Recovery:	97	89
RPD:	9	
Residual Range:	59.8	55.6
PQL:	10	10
Percent Recovery:	120	111
RPD:	8	
Surrogate Recovery		
o-Terphenyl:	101%	90%

Flags:

Date of Report: June 14, 2006
Samples Submitted: June 2, 2006
Laboratory Reference: 0606-026
Project: 14-075

% MOISTURE

Date Analyzed: 6-9-06

Client ID	Lab ID	% Moisture
06-WCI-02SS	06-026-02	8
06-WCI-03SS	06-026-03	8
06-WCI-04SS	06-026-04	8
06-NCI-05SS	06-026-05	7

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

O - Hydrocarbons indicative of diesel fuel are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody cooler 1 of 4

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: OASIS
Project Number: 14-07325
Project Name:
Project Manager: Ben Martich
Sampled by: Ben Martich / J. Ritchie

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ _____ (other)

Laboratory Number: 06-026

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	MS/MSD	DRO (AK102)	RRO (AK103)		% Moisture
1	06-WCI-01GW	5/26/06	0945	W	4							✓				✓					✓	✓			
2	06-WCI-02SS	5/26/06	1000	S	2							✓				✓						✓	✓		✓
3	06-WCI-03SS	5/26/06	1030	S	2							✓				✓						✓	✓		✓
4	06-WCI-04SS	5/26/06	1045	S	1							✓				✓						✓	✓		✓
5	06-NCI-05SS	5/26/06	1130	S	1							✓				✓					OMS	✓	✓		✓
6	06-WCI-06GW	5/26/06	1430	W	5							✓				✓						✓			
7	06-WCI-07GW	5/26/06	1440	W	5							✓				✓						✓			
8	06-WCI-08GW	5/26/06	1630	W	5							✓				✓						✓			
9	06-WCI-09DW	5/26/06	1700	W	2																	✓			
10	06-WCI-10WA	5/26/06	1810	W	5							✓				✓						✓			

	Signature	Company	Date	Time
Relinquished by	Dawn Bowers	OASIS	6/1/06	14:00
Received by		OSE	6/2/06	1400
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:
% Solids for 06WCI03SS is also valid for 06WCI04SS and 06WCI05SS

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

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ph: (907) 563.9200 fax: (907) 563.9210

June 15, 2006

Ben Martich
Oasis Environmental, Inc.
825 8th Ave, Suite 200
Anchorage, AK/USA 99501

RE: Former West Cook Inlet Construction Yard

Enclosed are the results of analyses for samples received by the laboratory on 06/01/06 14:55. The following list is a summary of the Work Orders contained in this report, generated on 06/15/06 16:47.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
APF0003	Former West Cook Inlet Const	14-075

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
06-WCI-01GW	APF0003-01	Water	05/26/06 09:45	06/01/06 14:55
06-WCI-02SS	APF0003-02	Soil	05/26/06 10:00	06/01/06 14:55
06-WCI-03SS	APF0003-03	Soil	05/26/06 10:30	06/01/06 14:55
06-WCI-04SS	APF0003-04	Soil	05/26/06 10:30	06/01/06 14:55
06-WCI-05SS	APF0003-05	Soil	05/26/06 11:30	06/01/06 14:55
06-WCI-06GW	APF0003-06	Water	05/26/06 14:30	06/01/06 14:55
06-WCI-07GW	APF0003-07	Water	05/26/06 14:40	06/01/06 14:55
06-WCI-08GW	APF0003-08	Water	05/26/06 16:30	06/01/06 14:55
06-WCI-09DW	APF0003-09	Water	05/26/06 17:00	06/01/06 14:55
06-WCI-10WA	APF0003-10	Water	05/26/06 18:10	06/01/06 14:55
06-WCI-11TB	APF0003-11	Water	05/26/06 00:10	06/01/06 14:55
06-WCI-012TB	APF0003-12	Soil	05/26/06 10:00	06/01/06 14:55

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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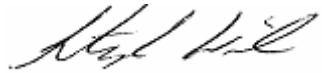
Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Gasoline Range Organics (C6-C10) per AK101

TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-01 (06-WCI-01GW)		**Water**				**Sampled: 05/26/06 09:45**				
Gasoline Range Organics	AK101 GRO	ND	-----	50.0	ug/l	1x	6060010	06/05/06 08:12	06/05/06 19:39	
Surrogate(s): a,a,a-TFT (FID)		*102%*			*50 - 150 %*	"			"	
APF0003-02 (06-WCI-02SS)		**Soil**				**Sampled: 05/26/06 10:00**				
Gasoline Range Organics	AK101 GRO	ND	-----	2.82	mg/kg dry	1.5x	6060012	06/05/06 14:31	06/06/06 04:54	
Surrogate(s): a,a,a-TFT (FID)		*95.2%*			*50 - 150 %*	"			"	
APF0003-03 (06-WCI-03SS)		**Soil**				**Sampled: 05/26/06 10:30**				
Gasoline Range Organics	AK101 GRO	ND	-----	2.76	mg/kg dry	3x	6060012	06/05/06 14:31	06/06/06 05:27	
Surrogate(s): a,a,a-TFT (FID)		*82.7%*			*50 - 150 %*	"			"	
APF0003-04 (06-WCI-04SS)		**Soil**				**Sampled: 05/26/06 10:30**				
Gasoline Range Organics	AK101 GRO	ND	-----	3.14	mg/kg wet	3x	6060012	06/05/06 14:31	06/06/06 06:00	
Surrogate(s): a,a,a-TFT (FID)		*83.4%*			*50 - 150 %*	"			"	
APF0003-06 (06-WCI-06GW)		**Water**				**Sampled: 05/26/06 14:30**				
Gasoline Range Organics	AK101 GRO	ND	-----	50.0	ug/l	1x	6060010	06/05/06 08:12	06/05/06 21:17	
Surrogate(s): a,a,a-TFT (FID)		*99.5%*			*50 - 150 %*	"			"	
APF0003-07 (06-WCI-07GW)		**Water**				**Sampled: 05/26/06 14:40**				
Gasoline Range Organics	AK101 GRO	ND	-----	50.0	ug/l	1x	6060010	06/05/06 08:12	06/05/06 21:50	
Surrogate(s): a,a,a-TFT (FID)		*99.0%*			*50 - 150 %*	"			"	
APF0003-08 (06-WCI-08GW)		**Water**				**Sampled: 05/26/06 16:30**				
Gasoline Range Organics	AK101 GRO	ND	-----	50.0	ug/l	1x	6060010	06/05/06 08:12	06/05/06 22:22	
Surrogate(s): a,a,a-TFT (FID)		*99.6%*			*50 - 150 %*	"			"	
APF0003-09 (06-WCI-09DW)		**Water**				**Sampled: 05/26/06 17:00**				
Gasoline Range Organics	AK101 GRO	ND	-----	50.0	ug/l	1x	6060010	06/05/06 08:12	06/05/06 22:55	
Surrogate(s): a,a,a-TFT (FID)		*98.3%*			*50 - 150 %*	"			"	

TestAmerica - Anchorage, AK



Stephen Wilson, Laboratory Manager

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ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Gasoline Range Organics (C6-C10) per AK101

TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-10 (06-WCI-10WA)		**Water**				**Sampled: 05/26/06 18:10**				
Gasoline Range Organics	AK101 GRO	ND	-----	50.0	ug/l	1x	6060010	06/05/06 08:12	06/05/06 23:28	
Surrogate(s): a,a,a-TFT (FID)		*100%*			*50 - 150 %*	"			"	
APF0003-11 (06-WCI-11TB)		**Water**				**Sampled: 05/26/06 00:10**				
Gasoline Range Organics	AK101 GRO	ND	-----	50.0	ug/l	1x	6060010	06/05/06 08:12	06/06/06 02:44	
Surrogate(s): a,a,a-TFT (FID)		*101%*			*50 - 150 %*	"			"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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825 8th Ave, Suite 200	Project Number:	14-075
Anchorage, AK/USA 99501	Project Manager:	Ben Martich
		Report Created: 06/15/06 16:47

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-02 (06-WCI-02SS)		**Soil**				**Sampled: 05/26/06 10:00**				
Dry Weight	BSOPSPL003R07	**93.3**	-----	1.00	%	1x	6060045	06/15/06 16:14	06/15/06 16:18	**A-01**
APF0003-03 (06-WCI-03SS)		**Soil**				**Sampled: 05/26/06 10:30**				
Dry Weight	BSOPSPL003R07	**93.1**	-----	1.00	%	1x	6060045	06/15/06 16:14	06/15/06 16:18	**A-01**

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Gasoline Range Organics (C6-C10) per AK101

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-05 (06-WCI-05SS)		**Soil**				**Sampled: 05/26/06 11:30**				
Gasoline Range Organics	AK101 GRO	ND	-----	1.24	mg/kg wet	1x	6060316	06/07/06 15:19	06/08/06 01:54	
Surrogate(s): a,a,a-TFT (FID)		*61.5%*			*50 - 150 %*	"			"	
APF0003-12 (06-WCI-012TB)		**Soil**				**Sampled: 05/26/06 10:00**				
Gasoline Range Organics	AK101 GRO	ND	-----	4.00	mg/kg wet	1x	6060316	06/07/06 15:19	06/08/06 04:11	
Surrogate(s): a,a,a-TFT (FID)		*72.8%*			*50 - 150 %*	"			"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-01 (06-WCI-01GW)		**Water**			**Sampled: 05/26/06 09:45**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6060282	06/07/06 09:15	06/07/06 15:30	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-01 (06-WCI-01GW)		**Water**			**Sampled: 05/26/06 09:45**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060282	06/07/06 09:15	06/07/06 15:30	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*		*93.5%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*99.0%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*98.0%*			*80 - 120 %*	"			"	
Toluene-d8		*94.5%*			*80 - 120 %*	"			"	

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-02 (06-WCI-02SS)		**Soil**			**Sampled: 05/26/06 10:00**					
Acetone	EPA 8260B	ND	-----	1440	ug/kg dry	1x	6060391	06/09/06 08:17	06/09/06 11:25	
Benzene	"	ND	-----	11.6	"	"	"	"	"	
Bromobenzene	"	ND	-----	57.8	"	"	"	"	"	
Bromochloromethane	"	ND	-----	57.8	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	57.8	"	"	"	"	"	
Bromoform	"	ND	-----	57.8	"	"	"	"	"	
Bromomethane	"	ND	-----	289	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	578	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	289	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	57.8	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	57.8	"	"	"	"	"	
Carbon disulfide	"	ND	-----	578	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	57.8	"	"	"	"	"	
Chlorobenzene	"	ND	-----	57.8	"	"	"	"	"	
Chloroethane	"	ND	-----	57.8	"	"	"	"	"	
Chloroform	"	ND	-----	57.8	"	"	"	"	"	
Chloromethane	"	ND	-----	289	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	57.8	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	57.8	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	289	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	57.8	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	57.8	"	"	"	"	"	
Dibromomethane	"	ND	-----	57.8	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	57.8	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	57.8	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	57.8	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	289	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	57.8	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	57.8	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	57.8	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	57.8	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	57.8	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	57.8	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	57.8	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	57.8	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	57.8	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	57.8	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	57.8	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-02 (06-WCI-02SS)		**Soil**			**Sampled: 05/26/06 10:00**					
Ethylbenzene	EPA 8260B	ND	-----	57.8	ug/kg dry	1x	6060391	06/09/06 08:17	06/09/06 11:25	
Hexachlorobutadiene	"	ND	-----	231	"	"	"	"	"	
2-Hexanone	"	ND	-----	578	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	116	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	116	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	289	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	57.8	"	"	"	"	"	
Methylene chloride	"	ND	-----	289	"	"	"	"	"	
Naphthalene	"	ND	-----	116	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	57.8	"	"	"	"	"	
Styrene	"	ND	-----	57.8	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	57.8	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	57.8	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	57.8	"	"	"	"	"	
Toluene	"	ND	-----	57.8	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	57.8	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	57.8	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	57.8	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	57.8	"	"	"	"	"	
Trichloroethene	"	ND	-----	57.8	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	57.8	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	57.8	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	57.8	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	57.8	"	"	"	"	"	
Vinyl chloride	"	ND	-----	57.8	"	"	"	"	"	
o-Xylene	"	ND	-----	57.8	"	"	"	"	"	
m,p-Xylene	"	ND	-----	116	"	"	"	"	"	

Surrogate(s):	*4-BFB*	*88.8%*	*75 - 125 %*	*0.01x*	*"*
	1,2-DCA-d4	*100%*	*75 - 125 %*	*"*	*"*
	Dibromofluoromethane	*96.6%*	*75 - 125 %*	*"*	*"*
	Toluene-d8	*98.3%*	*75 - 125 %*	*"*	*"*

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-03 (06-WCI-03SS)		**Soil**			**Sampled: 05/26/06 10:30**					
Acetone	EPA 8260B	ND	-----	810	ug/kg dry	1x	6060391	06/09/06 08:17	06/09/06 13:41	
Benzene	"	ND	-----	6.48	"	"	"	"	"	
Bromobenzene	"	ND	-----	32.4	"	"	"	"	"	
Bromochloromethane	"	ND	-----	32.4	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	32.4	"	"	"	"	"	
Bromoform	"	ND	-----	32.4	"	"	"	"	"	
Bromomethane	"	ND	-----	162	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	324	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	162	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	32.4	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	32.4	"	"	"	"	"	
Carbon disulfide	"	ND	-----	324	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	32.4	"	"	"	"	"	
Chlorobenzene	"	ND	-----	32.4	"	"	"	"	"	
Chloroethane	"	ND	-----	32.4	"	"	"	"	"	
Chloroform	"	ND	-----	32.4	"	"	"	"	"	
Chloromethane	"	ND	-----	162	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	32.4	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	32.4	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	162	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	32.4	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	32.4	"	"	"	"	"	
Dibromomethane	"	ND	-----	32.4	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	32.4	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	32.4	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	32.4	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	162	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	32.4	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	32.4	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	32.4	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	32.4	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	32.4	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	32.4	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	32.4	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	32.4	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	32.4	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	32.4	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	32.4	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-03 (06-WCI-03SS)		**Soil**			**Sampled: 05/26/06 10:30**					
Ethylbenzene	EPA 8260B	ND	-----	32.4	ug/kg dry	1x	6060391	06/09/06 08:17	06/09/06 13:41	
Hexachlorobutadiene	"	ND	-----	130	"	"	"	"	"	
2-Hexanone	"	ND	-----	324	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	64.8	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	64.8	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	162	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	32.4	"	"	"	"	"	
Methylene chloride	"	ND	-----	162	"	"	"	"	"	
Naphthalene	"	ND	-----	64.8	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	32.4	"	"	"	"	"	
Styrene	"	ND	-----	32.4	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	32.4	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	32.4	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	32.4	"	"	"	"	"	
Toluene	"	ND	-----	32.4	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	32.4	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	32.4	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	32.4	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	32.4	"	"	"	"	"	
Trichloroethene	"	ND	-----	32.4	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	32.4	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	32.4	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	32.4	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	32.4	"	"	"	"	"	
Vinyl chloride	"	ND	-----	32.4	"	"	"	"	"	
o-Xylene	"	ND	-----	32.4	"	"	"	"	"	
m,p-Xylene	"	ND	-----	64.8	"	"	"	"	"	

Surrogate(s):	*4-BFB*	*91.2%*	*75 - 125 %*	*0.01x*	*"*
	1,2-DCA-d4	*95.2%*	*75 - 125 %*	*"*	*"*
	Dibromofluoromethane	*90.6%*	*75 - 125 %*	*"*	*"*
	Toluene-d8	*96.9%*	*75 - 125 %*	*"*	*"*

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-04 (06-WCI-04SS)		**Soil**			**Sampled: 05/26/06 10:30**					
Acetone	EPA 8260B	ND	-----	818	ug/kg wet	1x	6060391	06/09/06 08:17	06/09/06 13:14	
Benzene	"	ND	-----	6.54	"	"	"	"	"	
Bromobenzene	"	ND	-----	32.7	"	"	"	"	"	
Bromochloromethane	"	ND	-----	32.7	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	32.7	"	"	"	"	"	
Bromoform	"	ND	-----	32.7	"	"	"	"	"	
Bromomethane	"	ND	-----	164	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	327	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	164	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	32.7	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	32.7	"	"	"	"	"	
Carbon disulfide	"	ND	-----	327	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	32.7	"	"	"	"	"	
Chlorobenzene	"	ND	-----	32.7	"	"	"	"	"	
Chloroethane	"	ND	-----	32.7	"	"	"	"	"	
Chloroform	"	ND	-----	32.7	"	"	"	"	"	
Chloromethane	"	ND	-----	164	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	32.7	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	32.7	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	164	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	32.7	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	32.7	"	"	"	"	"	
Dibromomethane	"	ND	-----	32.7	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	32.7	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	32.7	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	32.7	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	164	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	32.7	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	32.7	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	32.7	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	32.7	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	32.7	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	32.7	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	32.7	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	32.7	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	32.7	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	32.7	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	32.7	"	"	"	"	"	

TestAmerica - Anchorage, AK

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Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-04 (06-WCI-04SS)		**Soil**			**Sampled: 05/26/06 10:30**					
Ethylbenzene	EPA 8260B	ND	-----	32.7	ug/kg wet	1x	6060391	06/09/06 08:17	06/09/06 13:14	
Hexachlorobutadiene	"	ND	-----	131	"	"	"	"	"	
2-Hexanone	"	ND	-----	327	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	65.4	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	65.4	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	164	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	32.7	"	"	"	"	"	
Methylene chloride	"	ND	-----	164	"	"	"	"	"	
Naphthalene	"	ND	-----	65.4	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	32.7	"	"	"	"	"	
Styrene	"	ND	-----	32.7	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	32.7	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	32.7	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	32.7	"	"	"	"	"	
Toluene	"	ND	-----	32.7	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	32.7	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	32.7	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	32.7	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	32.7	"	"	"	"	"	
Trichloroethene	"	ND	-----	32.7	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	32.7	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	32.7	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	32.7	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	32.7	"	"	"	"	"	
Vinyl chloride	"	ND	-----	32.7	"	"	"	"	"	
o-Xylene	"	ND	-----	32.7	"	"	"	"	"	
m,p-Xylene	"	ND	-----	65.4	"	"	"	"	"	

Surrogate(s):	*4-BFB*	*88.8%*	*75 - 125 %*	*0.01x*	*"*
	1,2-DCA-d4	*95.1%*	*75 - 125 %*	*"*	*"*
	Dibromofluoromethane	*89.1%*	*75 - 125 %*	*"*	*"*
	Toluene-d8	*97.1%*	*75 - 125 %*	*"*	*"*

TestAmerica - Anchorage, AK

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-05 (06-WCI-05SS)		**Soil**			**Sampled: 05/26/06 11:30**					
Acetone	EPA 8260B	ND	-----	774	ug/kg wet	1x	6060391	06/09/06 08:17	06/09/06 11:52	
Benzene	"	ND	-----	6.19	"	"	"	"	"	
Bromobenzene	"	ND	-----	30.9	"	"	"	"	"	
Bromochloromethane	"	ND	-----	30.9	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	30.9	"	"	"	"	"	
Bromoform	"	ND	-----	30.9	"	"	"	"	"	
Bromomethane	"	ND	-----	155	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	309	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	155	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	30.9	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	30.9	"	"	"	"	"	
Carbon disulfide	"	ND	-----	309	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	30.9	"	"	"	"	"	
Chlorobenzene	"	ND	-----	30.9	"	"	"	"	"	
Chloroethane	"	ND	-----	30.9	"	"	"	"	"	
Chloroform	"	ND	-----	30.9	"	"	"	"	"	
Chloromethane	"	ND	-----	155	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	30.9	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	30.9	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	155	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	30.9	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	30.9	"	"	"	"	"	
Dibromomethane	"	ND	-----	30.9	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	30.9	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	30.9	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	30.9	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	155	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	30.9	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	30.9	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	30.9	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	30.9	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	30.9	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	30.9	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	30.9	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	30.9	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	30.9	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	30.9	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	30.9	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-05 (06-WCI-05SS)		**Soil**			**Sampled: 05/26/06 11:30**					
Ethylbenzene	EPA 8260B	ND	-----	30.9	ug/kg wet	1x	6060391	06/09/06 08:17	06/09/06 11:52	
Hexachlorobutadiene	"	ND	-----	124	"	"	"	"	"	
2-Hexanone	"	ND	-----	309	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	61.9	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	61.9	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	155	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	30.9	"	"	"	"	"	
Methylene chloride	"	ND	-----	155	"	"	"	"	"	
Naphthalene	"	ND	-----	61.9	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	30.9	"	"	"	"	"	
Styrene	"	ND	-----	30.9	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	30.9	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	30.9	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	30.9	"	"	"	"	"	
Toluene	"	ND	-----	30.9	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	30.9	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	30.9	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	30.9	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	30.9	"	"	"	"	"	
Trichloroethene	"	ND	-----	30.9	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	30.9	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	30.9	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	30.9	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	30.9	"	"	"	"	"	
Vinyl chloride	"	ND	-----	30.9	"	"	"	"	"	
o-Xylene	"	ND	-----	30.9	"	"	"	"	"	
m,p-Xylene	"	ND	-----	61.9	"	"	"	"	"	

Surrogate(s):	*4-BFB*	*90.0%*	*75 - 125 %*	*0.01x*	*"*
	1,2-DCA-d4	*96.4%*	*75 - 125 %*	*"*	*"*
	Dibromofluoromethane	*90.6%*	*75 - 125 %*	*"*	*"*
	Toluene-d8	*98.1%*	*75 - 125 %*	*"*	*"*

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-06 (06-WCI-06GW)		**Water**			**Sampled: 05/26/06 14:30**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6060282	06/07/06 09:15	06/07/06 15:58	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

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Stephen Wilson, Laboratory Manager

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ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-06 (06-WCI-06GW)		**Water**			**Sampled: 05/26/06 14:30**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060282	06/07/06 09:15	06/07/06 15:58	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*		*94.5%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*102%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*101%*			*80 - 120 %*	"			"	
Toluene-d8		*93.0%*			*80 - 120 %*	"			"	

TestAmerica - Anchorage, AK

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Stephen Wilson, Laboratory Manager

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-07 (06-WCI-07GW)		**Water**			**Sampled: 05/26/06 14:40**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6060282	06/07/06 09:15	06/07/06 16:27	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-07 (06-WCI-07GW)		**Water**			**Sampled: 05/26/06 14:40**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060282	06/07/06 09:15	06/07/06 16:27	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*		*89.5%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*98.5%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*95.0%*			*80 - 120 %*	"			"	
Toluene-d8		*93.0%*			*80 - 120 %*	"			"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-08 (06-WCI-08GW)		**Water**			**Sampled: 05/26/06 16:30**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6060282	06/07/06 09:15	06/07/06 16:55	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-08 (06-WCI-08GW)		**Water**			**Sampled: 05/26/06 16:30**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060282	06/07/06 09:15	06/07/06 16:55	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*		*91.5%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*99.5%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*99.0%*			*80 - 120 %*	"			"	
Toluene-d8		*94.5%*			*80 - 120 %*	"			"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-09 (06-WCI-09DW)		**Water**			**Sampled: 05/26/06 17:00**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6060282	06/07/06 09:15	06/07/06 17:24	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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TestAmerica
ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-09 (06-WCI-09DW)		**Water**			**Sampled: 05/26/06 17:00**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060282	06/07/06 09:15	06/07/06 17:24	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*		*90.0%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*99.5%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*96.5%*			*80 - 120 %*	"			"	
Toluene-d8		*95.0%*			*80 - 120 %*	"			"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-10 (06-WCI-10WA)		**Water**			**Sampled: 05/26/06 18:10**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6060282	06/07/06 09:15	06/07/06 17:52	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-10 (06-WCI-10WA)		**Water**			**Sampled: 05/26/06 18:10**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060282	06/07/06 09:15	06/07/06 17:52	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	

Surrogate(s):	*4-BFB*	*91.5%*	*80 - 120 %*	"		"
	1,2-DCA-d4	*98.5%*	*80 - 120 %*	"		"
	Dibromofluoromethane	*95.5%*	*80 - 120 %*	"		"
	Toluene-d8	*96.5%*	*80 - 120 %*	"		"

TestAmerica - Anchorage, AK

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ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-11 (06-WCI-11TB)		**Water**			**Sampled: 05/26/06 00:10**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6060282	06/07/06 09:15	06/07/06 15:01	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-11 (06-WCI-11TB)		**Water**			**Sampled: 05/26/06 00:10**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060282	06/07/06 09:15	06/07/06 15:01	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): *4-BFB*		*91.5%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*100%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*97.0%*			*80 - 120 %*	"			"	
Toluene-d8		*97.5%*			*80 - 120 %*	"			"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-12 (06-WCI-012TB)		**Soil**			**Sampled: 05/26/06 10:00**					
Acetone	EPA 8260B	ND	-----	2500	ug/kg wet	1x	6060391	06/09/06 08:17	06/09/06 12:46	
Benzene	"	ND	-----	20.0	"	"	"	"	"	
Bromobenzene	"	ND	-----	100	"	"	"	"	"	
Bromochloromethane	"	ND	-----	100	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	100	"	"	"	"	"	
Bromoform	"	ND	-----	100	"	"	"	"	"	
Bromomethane	"	ND	-----	500	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	1000	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	500	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	100	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	100	"	"	"	"	"	
Carbon disulfide	"	ND	-----	1000	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	100	"	"	"	"	"	
Chlorobenzene	"	ND	-----	100	"	"	"	"	"	
Chloroethane	"	ND	-----	100	"	"	"	"	"	
Chloroform	"	ND	-----	100	"	"	"	"	"	
Chloromethane	"	ND	-----	500	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	100	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	100	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	500	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	100	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	100	"	"	"	"	"	
Dibromomethane	"	ND	-----	100	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	100	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	100	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	100	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	500	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	100	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	100	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	100	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	100	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	100	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	100	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	100	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	100	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	100	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	100	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	100	"	"	"	"	"	

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-12 (06-WCI-012TB)		**Soil**			**Sampled: 05/26/06 10:00**					
Ethylbenzene	EPA 8260B	ND	-----	100	ug/kg wet	1x	6060391	06/09/06 08:17	06/09/06 12:46	
Hexachlorobutadiene	"	ND	-----	400	"	"	"	"	"	
2-Hexanone	"	ND	-----	1000	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	200	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	200	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	500	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	100	"	"	"	"	"	
Methylene chloride	"	ND	-----	500	"	"	"	"	"	
Naphthalene	"	ND	-----	200	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	100	"	"	"	"	"	
Styrene	"	ND	-----	100	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	100	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	100	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	100	"	"	"	"	"	
Toluene	"	ND	-----	100	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	100	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	100	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	100	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	100	"	"	"	"	"	
Trichloroethene	"	ND	-----	100	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	100	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	100	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	100	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	100	"	"	"	"	"	
Vinyl chloride	"	ND	-----	100	"	"	"	"	"	
o-Xylene	"	ND	-----	100	"	"	"	"	"	
m,p-Xylene	"	ND	-----	200	"	"	"	"	"	

Surrogate(s):	*4-BFB*	*89.5%*	*75 - 125 %*	*0.01x*	*"*
	1,2-DCA-d4	*98.5%*	*75 - 125 %*	*"*	*"*
	Dibromofluoromethane	*92.0%*	*75 - 125 %*	*"*	*"*
	Toluene-d8	*96.5%*	*75 - 125 %*	*"*	*"*

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Percent Dry Weight (Solids) per Standard Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0003-02 (06-WCI-02SS)		**Soil**				**Sampled: 05/26/06 10:00**				
% Solids	NCA SOP	**93.3**	-----	1.00	% by Weight	1x	6060314	06/07/06 15:05	06/08/06 10:28	
APF0003-03 (06-WCI-03SS)		**Soil**				**Sampled: 05/26/06 10:30**				
% Solids	NCA SOP	**93.1**	-----	1.00	% by Weight	1x	6060314	06/07/06 15:05	06/08/06 10:28	
APF0003-04 (06-WCI-04SS)		**Soil**				**Sampled: 05/26/06 10:30**				
% Solids	NCA SOP	ND	-----	1.00	% by Weight	1x	6060314	06/07/06 15:05	06/08/06 10:28	
APF0003-05 (06-WCI-05SS)		**Soil**				**Sampled: 05/26/06 11:30**				
% Solids	NCA SOP	ND	-----	1.00	% by Weight	1x	6060314	06/07/06 15:05	06/08/06 10:28	
APF0003-12 (06-WCI-012TB)		**Soil**				**Sampled: 05/26/06 10:00**				
% Solids	NCA SOP	ND	-----	1.00	% by Weight	1x	6060314	06/07/06 15:05	06/08/06 10:28	

TestAmerica - Anchorage, AK

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results

TestAmerica - Anchorage, AK

QC Batch: 6060010 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060010-BLK1)								**Extracted: 06/05/06 08:12**						
Gasoline Range Organics	AK101 GRO	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	06/05/06 10:32	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 101%*			*Limits: 50-150%*	"							*06/05/06 10:32*	
LCS (6060010-BS2)								**Extracted: 06/05/06 08:12**						
Gasoline Range Organics	AK101 GRO	495	---	50.0	ug/l	1x	--	550	90.0%	(60-120)	--	--	06/05/06 11:37	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 88.5%*			*Limits: 50-150%*	"							*06/05/06 11:37*	
LCS Dup (6060010-BSD2)								**Extracted: 06/05/06 08:12**						
Gasoline Range Organics	AK101 GRO	510	---	50.0	ug/l	1x	--	550	92.7%	(60-120)	2.99%	(20)	06/05/06 19:06	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 105%*			*Limits: 50-150%*	"							*06/05/06 19:06*	
Duplicate (6060010-DUP1)							**QC Source: APF0002-03**	**Extracted: 06/05/06 08:12**						
Gasoline Range Organics	AK101 GRO	ND	---	50.0	ug/l	1x	ND	--	--	--	9.18%	(50)	06/05/06 16:55	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 98.8%*			*Limits: 50-150%*	"							*06/05/06 16:55*	
Matrix Spike (6060010-MS1)							**QC Source: APF0003-01**	**Extracted: 06/05/06 08:12**						
Gasoline Range Organics	AK101 GRO	470	---	50.0	ug/l	1x	ND	550	85.5%	(70-130)	--	--	06/05/06 20:12	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 96.2%*			*Limits: 50-150%*	"							*06/05/06 20:12*	
Matrix Spike Dup (6060010-MSD1)							**QC Source: APF0003-01**	**Extracted: 06/05/06 08:12**						
Gasoline Range Organics	AK101 GRO	477	---	50.0	ug/l	1x	ND	550	86.7%	(70-130)	1.48%	(20)	06/05/06 20:44	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 101%*			*Limits: 50-150%*	"							*06/05/06 20:44*	

TestAmerica - Anchorage, AK

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results

TestAmerica - Anchorage, AK

QC Batch: 6060012 **Soil Preparation Method: AK101 Field Prep**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060012-BLK1)								**Extracted: 06/05/06 12:31**						
Gasoline Range Organics	AK101 GRO	ND	---	3.33	mg/kg wet	1x	--	--	--	--	--	--	06/05/06 13:48	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 97.9%*			*Limits: 50-150%*	"							*06/05/06 13:48*	
LCS (6060012-BS1)								**Extracted: 06/05/06 12:31**						
Gasoline Range Organics	AK101 GRO	17.3	---	3.33	mg/kg wet	1x	--	22.0	78.6%	(60-120)	--	--	06/05/06 12:42	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 91.7%*			*Limits: 50-150%*	"							*06/05/06 12:42*	
LCS Dup (6060012-BSD1)								**Extracted: 06/05/06 12:31**						
Gasoline Range Organics	AK101 GRO	18.1	---	3.33	mg/kg wet	1x	--	22.0	82.3%	(60-120)	4.52%	(20)	06/05/06 13:15	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 95.8%*			*Limits: 50-150%*	"							*06/05/06 13:15*	
Duplicate (6060012-DUP1)							**QC Source: APF0003-04**	**Extracted: 06/05/06 12:31**						
Gasoline Range Organics	AK101 GRO	ND	---	3.14	mg/kg wet	3x	ND	--	--	--	1.66%	(50)	06/06/06 06:32	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 84.5%*			*Limits: 50-150%*	"							*06/06/06 06:32*	

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Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Gasoline Range Organics (C6-C10) per AK101 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060316 **Soil Preparation Method: AK101 Prep**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060316-BLK1)									**Extracted: 06/07/06 15:19**					
Gasoline Range Organics	AK101 GRO	ND	---	4.00	mg/kg wet	1x	--	--	--	--	--	--	06/08/06 01:26	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 72.0%*			*Limits: 50-150%*	"							*06/08/06 01:26*	
LCS (6060316-BS1)									**Extracted: 06/07/06 15:19**					
Gasoline Range Organics	AK101 GRO	22.6	---	4.00	mg/kg wet	1x	--	25.0	90.4%	(60-120)	--	--	06/08/06 00:31	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 76.4%*			*Limits: 60-120%*	"							*06/08/06 00:31*	
LCS Dup (6060316-BSD1)									**Extracted: 06/07/06 15:19**					
Gasoline Range Organics	AK101 GRO	21.0	---	4.00	mg/kg wet	1x	--	25.0	84.0%	(60-120)	7.34%	(20)	06/08/06 00:59	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 75.2%*			*Limits: 60-120%*	"							*06/08/06 00:59*	
Duplicate (6060316-DUP1)							**QC Source: APF0003-05**		**Extracted: 06/07/06 15:19**					
Gasoline Range Organics	AK101 GRO	ND	---	1.24	mg/kg wet	1x	ND	--	--	--	5.97%	(50)	06/08/06 02:21	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 62.4%*			*Limits: 50-150%*	"							*06/08/06 02:21*	
Matrix Spike (6060316-MS1)							**QC Source: APF0003-05**		**Extracted: 06/07/06 15:19**					
Gasoline Range Organics	AK101 GRO	6.55	---	1.24	mg/kg wet	1x	0.260	7.74	81.3%	(60-120)	--	--	06/08/06 02:48	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 63.3%*			*Limits: 50-150%*	"							*06/08/06 02:48*	
Matrix Spike Dup (6060316-MSD1)							**QC Source: APF0003-05**		**Extracted: 06/07/06 15:19**					
Gasoline Range Organics	AK101 GRO	6.87	---	1.24	mg/kg wet	1x	0.260	7.74	85.4%	(60-120)	4.77%	(20)	06/08/06 03:44	
Surrogate(s): a,a,a-TFT (FID)		*Recovery: 63.8%*			*Limits: 50-150%*	"							*06/08/06 03:44*	

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060282 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060282-BLK1)									Extracted: 06/07/06 09:15					
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	06/07/06 13:35	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

TestAmerica - Anchorage, AK

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Stephen Wilson, Laboratory Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060282 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060282-BLK1)							**Extracted: 06/07/06 09:15**							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	--	--	--	--	--	--	06/07/06 13:35	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 101%*			*Limits: 80-120%*	"							*06/07/06 13:35*	
1,2-DCA-d4		*102%*			*80-120%*	"							"	
Dibromofluoromethane		*98.5%*			*80-120%*	"							"	
Toluene-d8		*102%*			*80-120%*	"							"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060282 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6060282-BS1)								**Extracted: 06/07/06 09:15**						
Benzene	EPA 8260B	21.0	---	1.00	ug/l	1x	--	20.0	105%	(80-120)	--	--	06/07/06 11:13	
Chlorobenzene	"	23.3	---	1.00	"	"	--	"	116%	(80-124)	--	--	"	
1,1-Dichloroethene	"	19.3	---	1.00	"	"	--	"	96.5%	(78-120)	--	--	"	
Toluene	"	21.8	---	1.00	"	"	--	"	109%	(80-124)	--	--	"	
Trichloroethene	"	23.0	---	1.00	"	"	--	"	115%	(80-132)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 115%*			*Limits: 80-120%*	"							*06/07/06 11:13*	
1,2-DCA-d4		*111%*			*80-120%*	"							"	
Dibromofluoromethane		*110%*			*80-120%*	"							"	
Toluene-d8		*110%*			*80-120%*	"							"	
Matrix Spike (6060282-MS1)							**QC Source: PPF0172-01**		**Extracted: 06/07/06 09:15**					
Benzene	EPA 8260B	20.5	---	1.00	ug/l	1x	ND	20.0	102%	(80-124)	--	--	06/07/06 11:41	
Chlorobenzene	"	22.9	---	1.00	"	"	ND	"	114%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	18.7	---	1.00	"	"	ND	"	93.5%	(79.3-127)	--	--	"	
Toluene	"	21.6	---	1.00	"	"	ND	"	108%	(79.7-131)	--	--	"	
Trichloroethene	"	25.8	---	1.00	"	"	4.70	"	106%	(68.4-130)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 90.0%*			*Limits: 80-120%*	"							*06/07/06 11:41*	
1,2-DCA-d4		*88.0%*			*80-120%*	"							"	
Dibromofluoromethane		*88.0%*			*80-120%*	"							"	
Toluene-d8		*89.5%*			*80-120%*	"							"	
Matrix Spike Dup (6060282-MSD1)							**QC Source: PPF0172-01**		**Extracted: 06/07/06 09:15**					
Benzene	EPA 8260B	21.5	---	1.00	ug/l	1x	ND	20.0	108%	(80-124)	4.76%	(25)	06/07/06 12:10	
Chlorobenzene	"	24.0	---	1.00	"	"	ND	"	120%	(72.9-134)	4.69%	"	"	
1,1-Dichloroethene	"	20.2	---	1.00	"	"	ND	"	101%	(79.3-127)	7.71%	"	"	
Toluene	"	22.7	---	1.00	"	"	ND	"	114%	(79.7-131)	4.97%	"	"	
Trichloroethene	"	27.0	---	1.00	"	"	4.70	"	112%	(68.4-130)	4.55%	"	"	
Surrogate(s): 4-BFB		*Recovery: 110%*			*Limits: 80-120%*	"							*06/07/06 12:10*	
1,2-DCA-d4		*108%*			*80-120%*	"							"	
Dibromofluoromethane		*108%*			*80-120%*	"							"	
Toluene-d8		*110%*			*80-120%*	"							"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060391 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060391-BLK1)									**Extracted: 06/09/06 08:17**					
Acetone	EPA 8260B	ND	---	2490	ug/kg wet	1x	--	--	--	--	--	--	06/09/06 12:19	
Benzene	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	998	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	499	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	998	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060391 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060391-BLK1)							**Extracted: 06/09/06 08:17**							
Hexachlorobutadiene	EPA 8260B	ND	---	399	ug/kg wet	1x	--	--	--	--	--	--	06/09/06 12:19	
2-Hexanone	"	ND	---	998	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	499	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	499	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	200	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery: 90.0%*	*Limits: 75-125%*	*0.01x*	*06/09/06 12:19*
	1,2-DCA-d4	*100%*	*75-125%*	*"*	*"*
	Dibromofluoromethane	*95.0%*	*75-125%*	*"*	*"*
	Toluene-d8	*102%*	*75-125%*	*"*	*"*

TestAmerica - Anchorage, AK

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Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060391 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6060391-BS1)								**Extracted: 06/09/06 08:17**						
Benzene	EPA 8260B	1980	---	19.9	ug/kg wet	1x	--	1990	99.5%	(81.9-125)	--	--	06/09/06 09:35	
Chlorobenzene	"	1960	---	99.6	"	"	--	"	98.5%	(79.2-125)	--	--	"	
1,1-Dichloroethene	"	1820	---	99.6	"	"	--	"	91.5%	(66.1-125)	--	--	"	
Toluene	"	2000	---	99.6	"	"	--	"	101%	(80-125)	--	--	"	
Trichloroethene	"	1960	---	99.6	"	"	--	"	98.5%	(76-125)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 95.5%*			*Limits: 75-125%*	*0.01x*							*06/09/06 09:35*	
1,2-DCA-d4		*100%*			*75-125%*	*"*							*"*	
Dibromofluoromethane		*101%*			*75-125%*	*"*							*"*	
Toluene-d8		*98.5%*			*75-125%*	*"*							*"*	
Matrix Spike (6060391-MS1)					**QC Source: APF0003-02**			**Extracted: 06/09/06 08:17**						
Benzene	EPA 8260B	1200	---	11.6	ug/kg dry	1x	ND	1160	103%	(68.5-125)	--	--	06/09/06 10:03	
Chlorobenzene	"	1180	---	57.8	"	"	ND	"	102%	(65.9-125)	--	--	"	
1,1-Dichloroethene	"	1080	---	57.8	"	"	ND	"	93.1%	(55.8-125)	--	--	"	
Toluene	"	1210	---	57.8	"	"	5.20	"	104%	(70.3-125)	--	--	"	
Trichloroethene	"	1170	---	57.8	"	"	ND	"	101%	(65.5-125)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 96.6%*			*Limits: 75-125%*	*0.01x*							*06/09/06 10:03*	
1,2-DCA-d4		*102%*			*75-125%*	*"*							*"*	
Dibromofluoromethane		*102%*			*75-125%*	*"*							*"*	
Toluene-d8		*102%*			*75-125%*	*"*							*"*	
Matrix Spike Dup (6060391-MSD1)					**QC Source: APF0003-02**			**Extracted: 06/09/06 08:17**						
Benzene	EPA 8260B	1190	---	11.6	ug/kg dry	1x	ND	1160	103%	(68.5-125)	0.837%	(25)	06/09/06 10:30	
Chlorobenzene	"	1160	---	57.8	"	"	ND	"	100%	(65.9-125)	1.71%	"	"	
1,1-Dichloroethene	"	1090	---	57.8	"	"	ND	"	94.0%	(55.8-125)	0.922%	"	"	
Toluene	"	1200	---	57.8	"	"	5.20	"	103%	(70.3-125)	0.830%	"	"	
Trichloroethene	"	1180	---	57.8	"	"	ND	"	102%	(65.5-125)	0.851%	"	"	
Surrogate(s): 4-BFB		*Recovery: 91.4%*			*Limits: 75-125%*	*0.01x*							*06/09/06 10:30*	
1,2-DCA-d4		*97.4%*			*75-125%*	*"*							*"*	
Dibromofluoromethane		*97.4%*			*75-125%*	*"*							*"*	
Toluene-d8		*96.6%*			*75-125%*	*"*							*"*	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060459 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060459-BLK1)							**Extracted: 06/12/06 09:10**							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	06/12/06 13:56	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060459 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060459-BLK1)							**Extracted: 06/12/06 09:10**							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	--	--	--	--	--	--	06/12/06 13:56	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery:*	*94.5%*	*Limits:*	*80-120%*	*" 06/12/06 13:56*
	1,2-DCA-d4		*102%*		*80-120%*	*" "*
	Dibromofluoromethane		*95.5%*		*80-120%*	*" "*
	Toluene-d8		*98.0%*		*80-120%*	*" "*

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060459 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6060459-BS1)							**Extracted: 06/12/06 09:10**							
Benzene	EPA 8260B	20.4	---	1.00	ug/l	1x	--	20.0	102%	(80-120)	--	--	06/12/06 11:33	
Chlorobenzene	"	23.0	---	1.00	"	"	--	"	115%	(80-124)	--	--	"	
1,1-Dichloroethene	"	19.8	---	1.00	"	"	--	"	99.0%	(78-120)	--	--	"	
Toluene	"	21.9	---	1.00	"	"	--	"	110%	(80-124)	--	--	"	
Trichloroethene	"	22.6	---	1.00	"	"	--	"	113%	(80-132)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 102%*			*Limits: 80-120%*	"							*06/12/06 11:33*	
1,2-DCA-d4		*102%*			*80-120%*	"							"	
Dibromofluoromethane		*99.0%*			*80-120%*	"							"	
Toluene-d8		*100%*			*80-120%*	"							"	
Matrix Spike (6060459-MS1)					**QC Source: APF0003-01**		**Extracted: 06/12/06 09:10**							HT-1
Benzene	EPA 8260B	21.2	---	1.00	ug/l	1x	ND	20.0	106%	(80-124)	--	--	06/12/06 12:02	
Chlorobenzene	"	23.1	---	1.00	"	"	ND	"	116%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	18.5	---	1.00	"	"	ND	"	92.5%	(79.3-127)	--	--	"	
Toluene	"	21.0	---	1.00	"	"	ND	"	105%	(79.7-131)	--	--	"	
Trichloroethene	"	22.2	---	1.00	"	"	ND	"	111%	(68.4-130)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 95.0%*			*Limits: 80-120%*	"							*06/12/06 12:02*	
1,2-DCA-d4		*106%*			*80-120%*	"							"	
Dibromofluoromethane		*102%*			*80-120%*	"							"	
Toluene-d8		*98.0%*			*80-120%*	"							"	
Matrix Spike Dup (6060459-MSD1)					**QC Source: APF0003-01**		**Extracted: 06/12/06 09:10**							HT-1
Benzene	EPA 8260B	20.5	---	1.00	ug/l	1x	ND	20.0	102%	(80-124)	3.36%	(25)	06/12/06 12:30	
Chlorobenzene	"	22.8	---	1.00	"	"	ND	"	114%	(72.9-134)	1.31%	"	"	
1,1-Dichloroethene	"	18.2	---	1.00	"	"	ND	"	91.0%	(79.3-127)	1.63%	"	"	
Toluene	"	20.7	---	1.00	"	"	ND	"	104%	(79.7-131)	1.44%	"	"	
Trichloroethene	"	21.8	---	1.00	"	"	ND	"	109%	(68.4-130)	1.82%	"	"	
Surrogate(s): 4-BFB		*Recovery: 94.5%*			*Limits: 80-120%*	"							*06/12/06 12:30*	
1,2-DCA-d4		*101%*			*80-120%*	"							"	
Dibromofluoromethane		*99.0%*			*80-120%*	"							"	
Toluene-d8		*95.5%*			*80-120%*	"							"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060314 **Other dry Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6060314-DUP1)					**QC Source: PPF0171-01**				**Extracted: 06/07/06 15:05**					
% Solids	NCA SOP	94.1	---	1.00	% by Weight	1x	94.9	--	--	--	0.847%	(20)	06/08/06 10:28	
Duplicate (6060314-DUP2)					**QC Source: PPF0136-02**				**Extracted: 06/07/06 15:05**					
% Solids	NCA SOP	60.5	---	1.00	% by Weight	1x	64.5	--	--	--	6.40%	(20)	06/08/06 10:28	

TestAmerica - Anchorage, AK

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/15/06 16:47

Notes and Definitions

Report Specific Notes:

A-01 - Dry Weight data from TA-Portland

HT-1 - Sample analysis performed past method-specified holding time.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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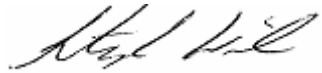

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June 16, 2006

Ben Martich
Oasis Environmental, Inc.
825 8th Ave, Suite 200
Anchorage, AK/USA 99501

RE: Former West Cook Inlet Construction Yard

Enclosed are the results of analyses for samples received by the laboratory on 06/08/06 08:40. The following list is a summary of the Work Orders contained in this report, generated on 06/16/06 15:32.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
APF0016	Former West Cook Inlet Const	14-075

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
06-WCI-05SS	APF0016-01	Soil	05/26/06 11:30	06/08/06 08:40
06-WCI-04SS	APF0016-02	Soil	05/26/06 10:45	06/08/06 08:40

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO

TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0016-01 (06-WCI-05SS)		**Soil**				**Sampled: 05/26/06 11:30**				
Diesel Range Organics	AK102/103	**57.7**	-----	25.0	mg/kg dry	1x	6060025	06/08/06 13:52	06/13/06 15:45	
Residual Range Organics	"	ND	-----	50.0	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*70.5%*			*50 - 150 %*	"			"	
Triacontane		*66.6%*			*50 - 150 %*	"			"	
APF0016-02 (06-WCI-04SS)		**Soil**				**Sampled: 05/26/06 10:45**				
Diesel Range Organics	AK102/103	**71.0**	-----	25.0	mg/kg dry	1x	6060025	06/08/06 13:52	06/13/06 17:06	
Residual Range Organics	"	ND	-----	50.0	"	"	"	"	"	
Surrogate(s): 1-Chlorooctadecane		*83.2%*			*50 - 150 %*	"			"	
Triacontane		*80.6%*			*50 - 150 %*	"			"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Anchorage, AK

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0016-01 (06-WCI-05SS)		**Soil**				**Sampled: 05/26/06 11:30**				
Dry Weight	BSOPSPL003R07	**92.4**	-----	1.00	%	1x	6060026	06/08/06 14:39	06/09/06 08:32	
APF0016-02 (06-WCI-04SS)		**Soil**				**Sampled: 05/26/06 10:45**				
Dry Weight	BSOPSPL003R07	**91.4**	-----	1.00	%	1x	6060026	06/08/06 14:39	06/09/06 08:32	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0016-01 (06-WCI-05SS)		**Soil**			**Sampled: 05/26/06 11:30**					
Acetone	EPA 8260B	ND	-----	897	ug/kg dry	1x	6060391	06/09/06 11:25	06/09/06 14:08	
Benzene	"	ND	-----	7.18	"	"	"	"	"	
Bromobenzene	"	ND	-----	35.9	"	"	"	"	"	
Bromochloromethane	"	ND	-----	35.9	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	35.9	"	"	"	"	"	
Bromoform	"	ND	-----	35.9	"	"	"	"	"	
Bromomethane	"	ND	-----	179	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	359	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	179	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	35.9	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	35.9	"	"	"	"	"	
Carbon disulfide	"	ND	-----	359	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	35.9	"	"	"	"	"	
Chlorobenzene	"	ND	-----	35.9	"	"	"	"	"	
Chloroethane	"	ND	-----	35.9	"	"	"	"	"	
Chloroform	"	ND	-----	35.9	"	"	"	"	"	
Chloromethane	"	ND	-----	179	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	35.9	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	35.9	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	179	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	35.9	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	35.9	"	"	"	"	"	
Dibromomethane	"	ND	-----	35.9	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	35.9	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	35.9	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	35.9	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	179	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	35.9	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	35.9	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	35.9	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	35.9	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	35.9	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	35.9	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	35.9	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	35.9	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	35.9	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	35.9	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	35.9	"	"	"	"	"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
APF0016-01 (06-WCI-05SS)		**Soil**			**Sampled: 05/26/06 11:30**					
Ethylbenzene	EPA 8260B	ND	-----	35.9	ug/kg dry	1x	6060391	06/09/06 11:25	06/09/06 14:08	
Hexachlorobutadiene	"	ND	-----	144	"	"	"	"	"	
2-Hexanone	"	ND	-----	359	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	71.8	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	71.8	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	179	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	35.9	"	"	"	"	"	
Methylene chloride	"	ND	-----	179	"	"	"	"	"	
Naphthalene	"	ND	-----	71.8	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	35.9	"	"	"	"	"	
Styrene	"	ND	-----	35.9	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	35.9	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	35.9	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	35.9	"	"	"	"	"	
Toluene	"	ND	-----	35.9	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	35.9	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	35.9	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	35.9	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	35.9	"	"	"	"	"	
Trichloroethene	"	ND	-----	35.9	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	35.9	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	35.9	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	35.9	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	35.9	"	"	"	"	"	
Vinyl chloride	"	ND	-----	35.9	"	"	"	"	"	
o-Xylene	"	ND	-----	35.9	"	"	"	"	"	
m,p-Xylene	"	ND	-----	71.8	"	"	"	"	"	

Surrogate(s):	*4-BFB*	*89.0%*	*75 - 125 %*	*0.01x*	"
	1,2-DCA-d4	*96.1%*	*75 - 125 %*	"	"
	Dibromofluoromethane	*90.7%*	*75 - 125 %*	"	"
	Toluene-d8	*96.9%*	*75 - 125 %*	"	"

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO - Laboratory Quality Control Results

TestAmerica - Anchorage, AK

QC Batch: 6060025 **Soil Preparation Method: EPA 3545**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060025-BLK1)													**Extracted: 06/08/06 13:52**	
Diesel Range Organics	AK102/103	ND	---	25.0	mg/kg wet	1x	--	--	--	--	--	--	06/13/06 16:25	
Residual Range Organics	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 80.5%*			*Limits: 50-150%*	"							*06/13/06 16:25*	
Triacontane		*80.8%*			*50-150%*	"							"	
LCS (6060025-BS1)													**Extracted: 06/08/06 13:52**	
Diesel Range Organics	AK102/103	120	---	25.0	mg/kg wet	1x	--	125	96.0%	(75-125)	--	--	06/13/06 15:45	
Residual Range Organics	"	110	---	50.0	"	"	--	128	85.9%	(60-120)	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 83.6%*			*Limits: 60-120%*	"							*06/13/06 15:45*	
Triacontane		*82.3%*			*60-120%*	"							"	
LCS Dup (6060025-BSD1)													**Extracted: 06/08/06 13:52**	
Diesel Range Organics	AK102/103	110	---	25.0	mg/kg wet	1x	--	125	88.0%	(75-125)	8.70%	(20)	06/13/06 15:05	
Residual Range Organics	"	102	---	50.0	"	"	--	128	79.7%	(60-120)	7.55%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 79.7%*			*Limits: 60-120%*	"							*06/13/06 15:05*	
Triacontane		*76.8%*			*60-120%*	"							"	
Duplicate (6060025-DUP1)							**QC Source: APF0016-01**						**Extracted: 06/08/06 13:52**	
Diesel Range Organics	AK102/103	60.4	---	25.0	mg/kg dry	1x	57.7	--	--	--	4.57%	(20)	06/13/06 15:05	
Residual Range Organics	"	ND	---	50.0	"	"	ND	--	--	--	0.208%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 77.9%*			*Limits: 50-150%*	"							*06/13/06 15:05*	
Triacontane		*71.9%*			*50-150%*	"							"	
Matrix Spike (6060025-MS1)							**QC Source: APF0016-01**						**Extracted: 06/08/06 13:52**	
Diesel Range Organics	AK102/103	165	---	25.0	mg/kg dry	1x	57.7	131	81.9%	(75-125)	--	--	06/13/06 16:25	
Residual Range Organics	"	162	---	50.0	"	"	48.1	134	85.0%	(60-150)	--	--	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 83.6%*			*Limits: 50-150%*	"							*06/13/06 16:25*	
Triacontane		*73.7%*			*50-150%*	"							"	
Matrix Spike Dup (6060025-MSD1)							**QC Source: APF0016-01**						**Extracted: 06/08/06 13:52**	
Diesel Range Organics	AK102/103	165	---	25.0	mg/kg dry	1x	57.7	127	84.5%	(75-125)	0.00%	(25)	06/13/06 17:06	
Residual Range Organics	"	160	---	50.0	"	"	48.1	130	86.1%	(60-150)	1.24%	"	"	
Surrogate(s): 1-Chlorooctadecane		*Recovery: 83.8%*			*Limits: 50-150%*	"							*06/13/06 17:06*	
Triacontane		*70.9%*			*50-150%*	"							"	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Anchorage, AK

QC Batch: 6060026 **Soil Preparation Method: *** DEFAULT PREP**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6060026-DUP1)					**QC Source: APF0016-02**				**Extracted: 06/08/06 14:39**					
Dry Weight	BSOPSPL00 3R07	92.9	---	1.00	%	1x	91.4	--	--	--	1.63%	(25)	06/09/06 08:32	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060391 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060391-BLK1)									**Extracted: 06/09/06 08:17**					
Acetone	EPA 8260B	ND	---	2490	ug/kg wet	1x	--	--	--	--	--	--	06/09/06 12:19	
Benzene	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	998	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	499	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	998	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	499	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	

TestAmerica - Anchorage, AK

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Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060391 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6060391-BLK1)							**Extracted: 06/09/06 08:17**							
Hexachlorobutadiene	EPA 8260B	ND	---	399	ug/kg wet	1x	--	--	--	--	--	--	06/09/06 12:19	
2-Hexanone	"	ND	---	998	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	499	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	499	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	200	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	99.8	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	200	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*4-BFB*	*Recovery: 90.0%*	*Limits: 75-125%*	*0.01x*	*06/09/06 12:19*
	1,2-DCA-d4	*100%*	*75-125%*	*"*	*"*
	Dibromofluoromethane	*95.0%*	*75-125%*	*"*	*"*
	Toluene-d8	*102%*	*75-125%*	*"*	*"*

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060391 **Soil Preparation Method: EPA 5035A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6060391-BS1)								**Extracted: 06/09/06 08:17**						
Benzene	EPA 8260B	1980	---	19.9	ug/kg wet	1x	--	1990	99.5%	(81.9-125)	--	--	06/09/06 09:35	
Chlorobenzene	"	1960	---	99.6	"	"	--	"	98.5%	(79.2-125)	--	--	"	
1,1-Dichloroethene	"	1820	---	99.6	"	"	--	"	91.5%	(66.1-125)	--	--	"	
Toluene	"	2000	---	99.6	"	"	--	"	101%	(80-125)	--	--	"	
Trichloroethene	"	1960	---	99.6	"	"	--	"	98.5%	(76-125)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 95.5%*			*Limits: 75-125%*	*0.01x*							*06/09/06 09:35*	
1,2-DCA-d4		*100%*			*75-125%*	*"*							*"*	
Dibromofluoromethane		*101%*			*75-125%*	*"*							*"*	
Toluene-d8		*98.5%*			*75-125%*	*"*							*"*	
Matrix Spike (6060391-MS1)					**QC Source: PPF0151-02**			**Extracted: 06/09/06 08:17**						
Benzene	EPA 8260B	1200	---	11.6	ug/kg dry	1x	ND	1160	103%	(68.5-125)	--	--	06/09/06 10:03	
Chlorobenzene	"	1180	---	57.8	"	"	ND	"	102%	(65.9-125)	--	--	"	
1,1-Dichloroethene	"	1080	---	57.8	"	"	ND	"	93.1%	(55.8-125)	--	--	"	
Toluene	"	1210	---	57.8	"	"	5.20	"	104%	(70.3-125)	--	--	"	
Trichloroethene	"	1170	---	57.8	"	"	ND	"	101%	(65.5-125)	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 96.6%*			*Limits: 75-125%*	*0.01x*							*06/09/06 10:03*	
1,2-DCA-d4		*102%*			*75-125%*	*"*							*"*	
Dibromofluoromethane		*102%*			*75-125%*	*"*							*"*	
Toluene-d8		*102%*			*75-125%*	*"*							*"*	
Matrix Spike Dup (6060391-MSD1)					**QC Source: PPF0151-02**			**Extracted: 06/09/06 08:17**						
Benzene	EPA 8260B	1190	---	11.6	ug/kg dry	1x	ND	1160	103%	(68.5-125)	0.837%	(25)	06/09/06 10:30	
Chlorobenzene	"	1160	---	57.8	"	"	ND	"	100%	(65.9-125)	1.71%	"	"	
1,1-Dichloroethene	"	1090	---	57.8	"	"	ND	"	94.0%	(55.8-125)	0.922%	"	"	
Toluene	"	1200	---	57.8	"	"	5.20	"	103%	(70.3-125)	0.830%	"	"	
Trichloroethene	"	1180	---	57.8	"	"	ND	"	102%	(65.5-125)	0.851%	"	"	
Surrogate(s): 4-BFB		*Recovery: 91.4%*			*Limits: 75-125%*	*0.01x*							*06/09/06 10:30*	
1,2-DCA-d4		*97.4%*			*75-125%*	*"*							*"*	
Dibromofluoromethane		*97.4%*			*75-125%*	*"*							*"*	
Toluene-d8		*96.6%*			*75-125%*	*"*							*"*	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

TestAmerica
ANALYTICAL TESTING CORPORATION

ANCHORAGE, AK 2000 W. INTERNATIONAL AIRPORT ROAD, SUITE A-10
ANCHORAGE, AK 99502-1119
ph: (907) 563.9200 fax: (907) 563.9210

Oasis Environmental, Inc.	Project Name:	**Former West Cook Inlet Construction Yard**	
825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Percent Dry Weight (Solids) per Standard Methods - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6060471 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6060471-DUP1)				**QC Source: PPE0751-41**				**Extracted: 06/12/06 11:04**						
% Solids	NCA SOP	78.8	---	1.00	% by Weight	1x	78.1	--	--	--	0.892%	(20)	06/13/06 10:10	

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ANALYTICAL TESTING CORPORATION

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825 8th Ave, Suite 200	Project Number:	14-075	Report Created:
Anchorage, AK/USA 99501	Project Manager:	Ben Martich	06/16/06 15:32

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Anchorage, AK

Stephen Wilson, Laboratory Manager

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ATTACHMENT 6

MIP GRAPHS

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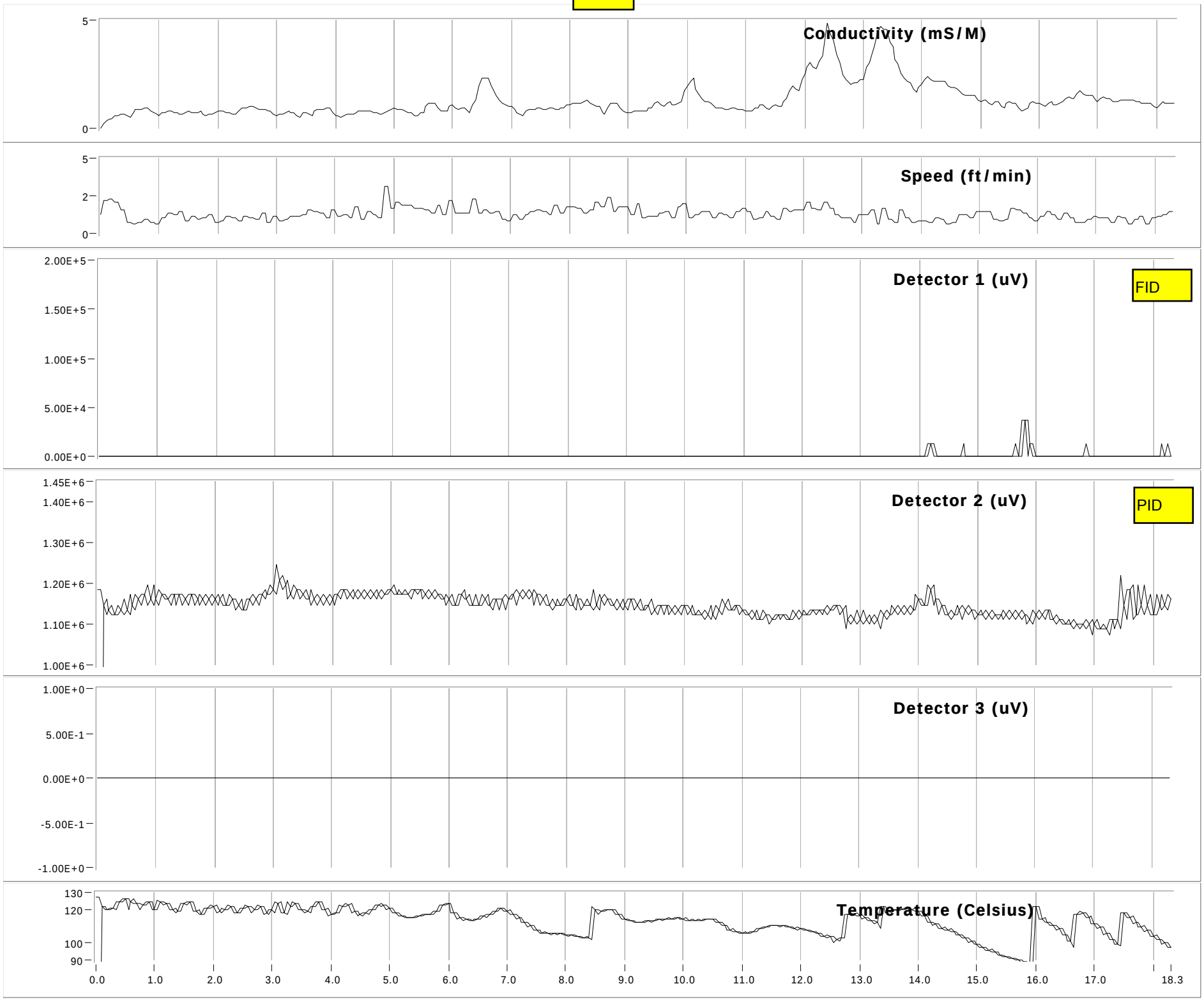
MIP GRAPH FOR TB-1

Log: E:\2006 Projects_GTA

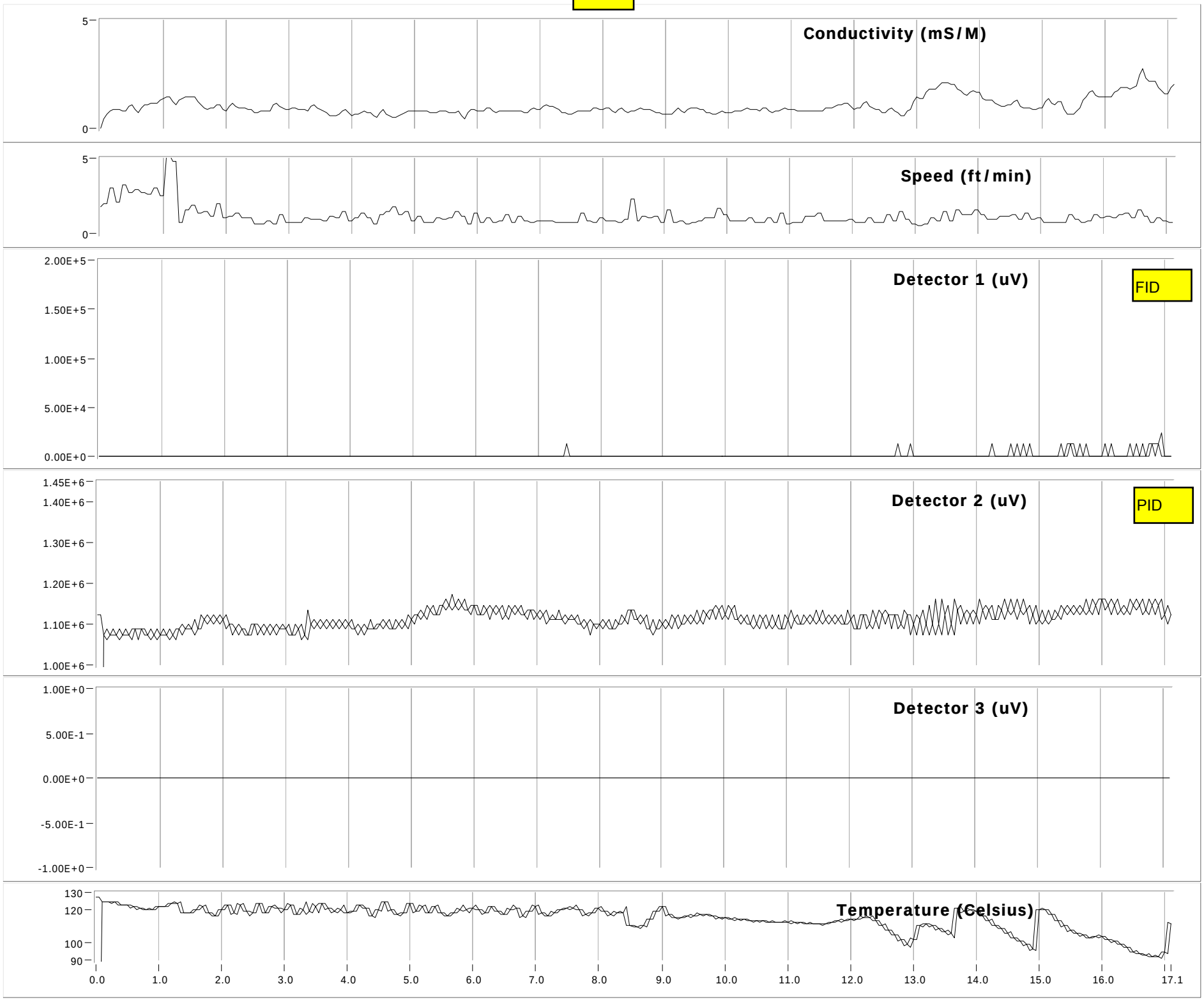
TP-1



MIP GRAPH for TB-2

Log: E:\2006 Projects_GTA

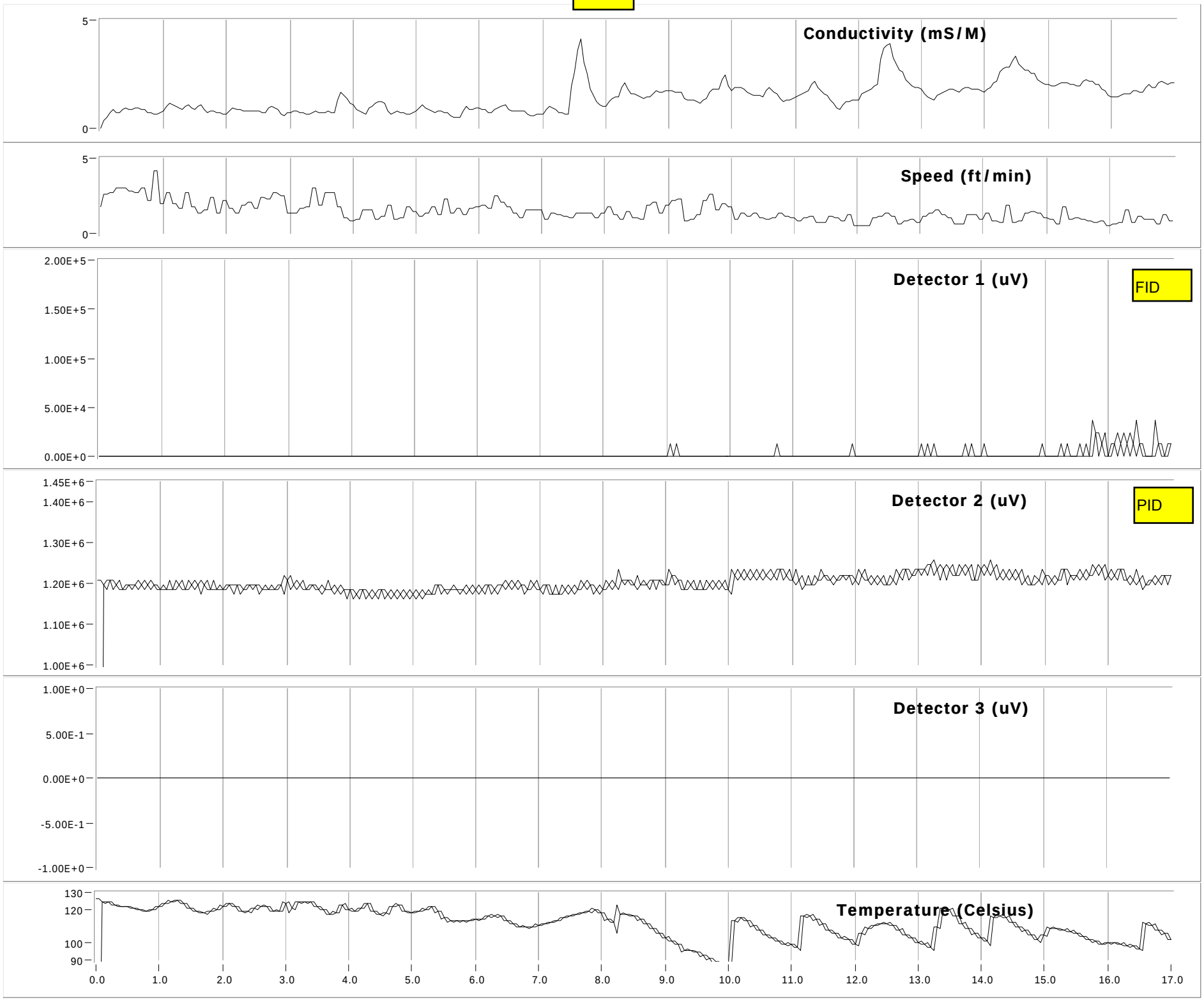
TP-2



MIP GRAPH FOR TB-3

Log: E:\2006 Projects_GTA

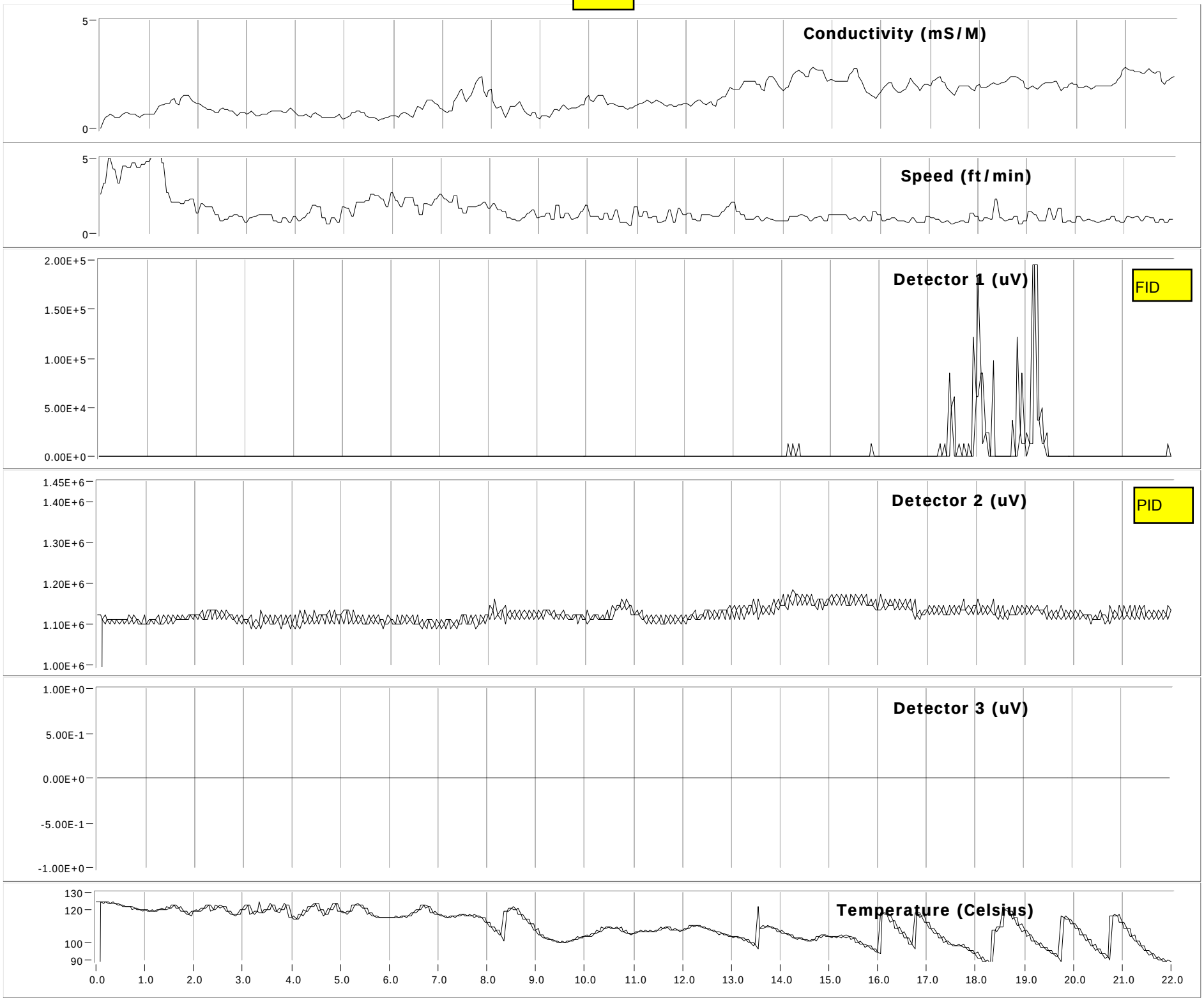
TP-3



MIP GRAPH FOR TB-4

Log: E:\2006 Projects_GTA

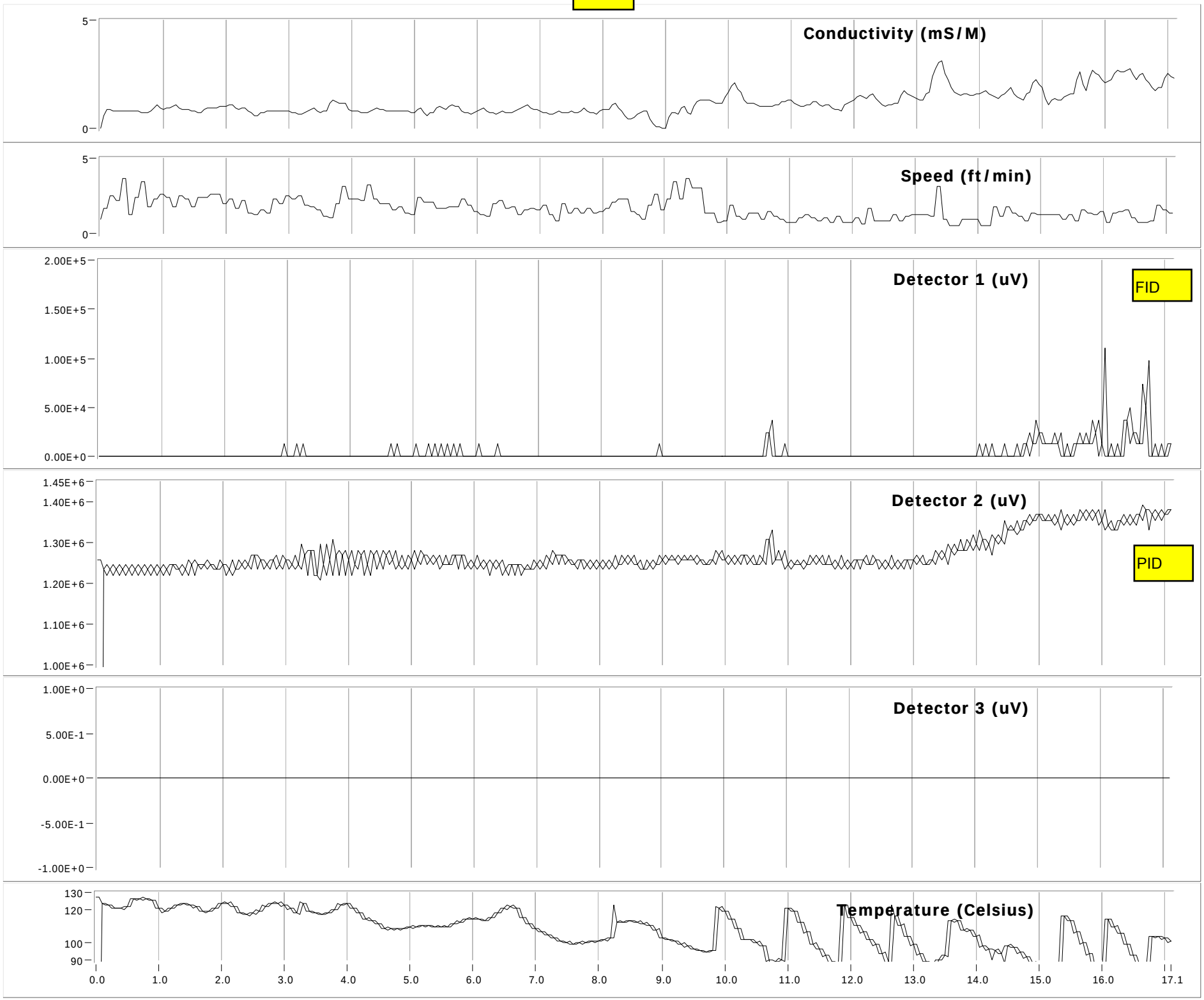
TP-4



MIP GRAPH FOR TB-5

Log: E:\2006 Projects_GTA

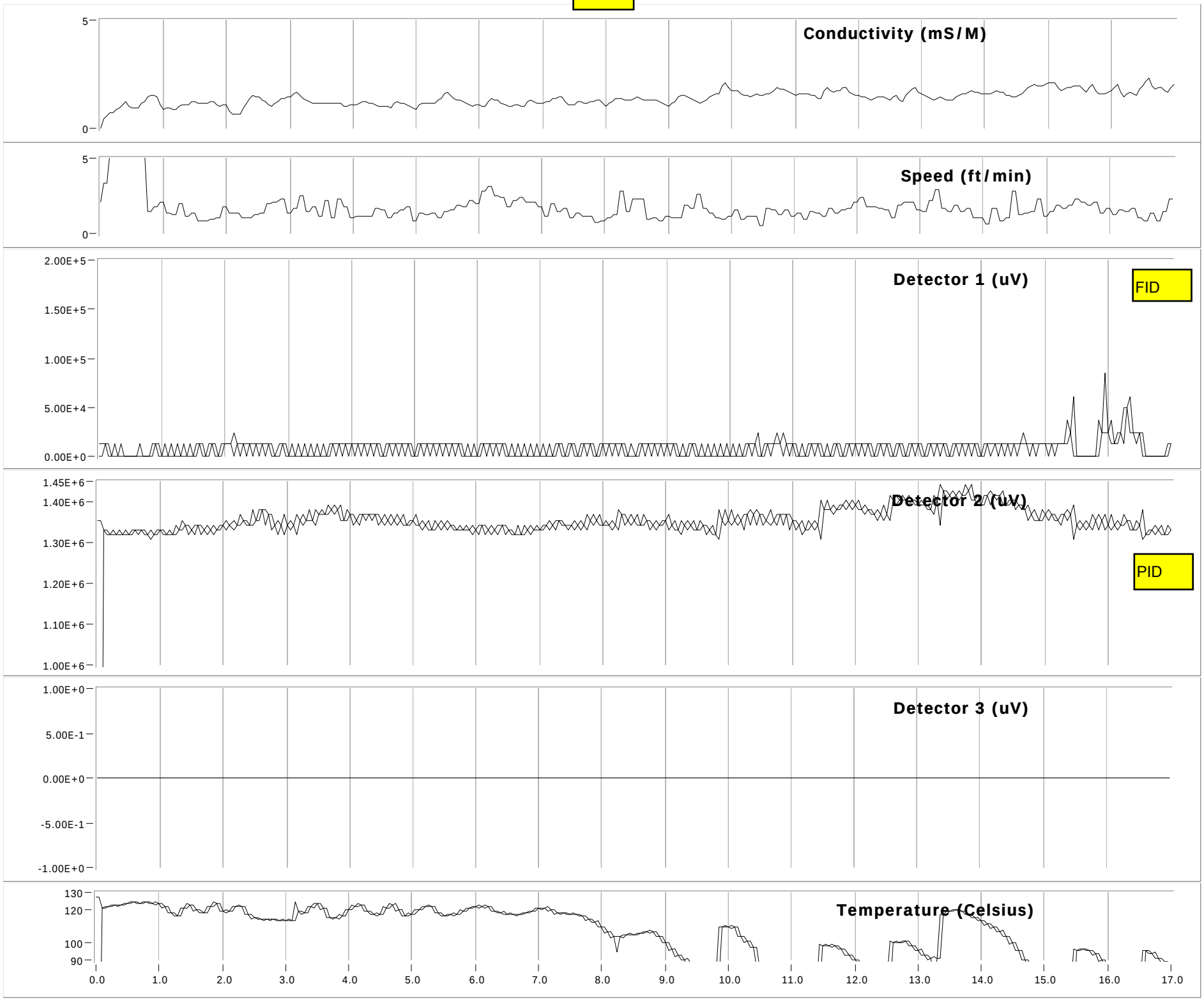
TP-5



MIP GRAPH FOR TB-6

Log: E:\2006 Projects_GTA

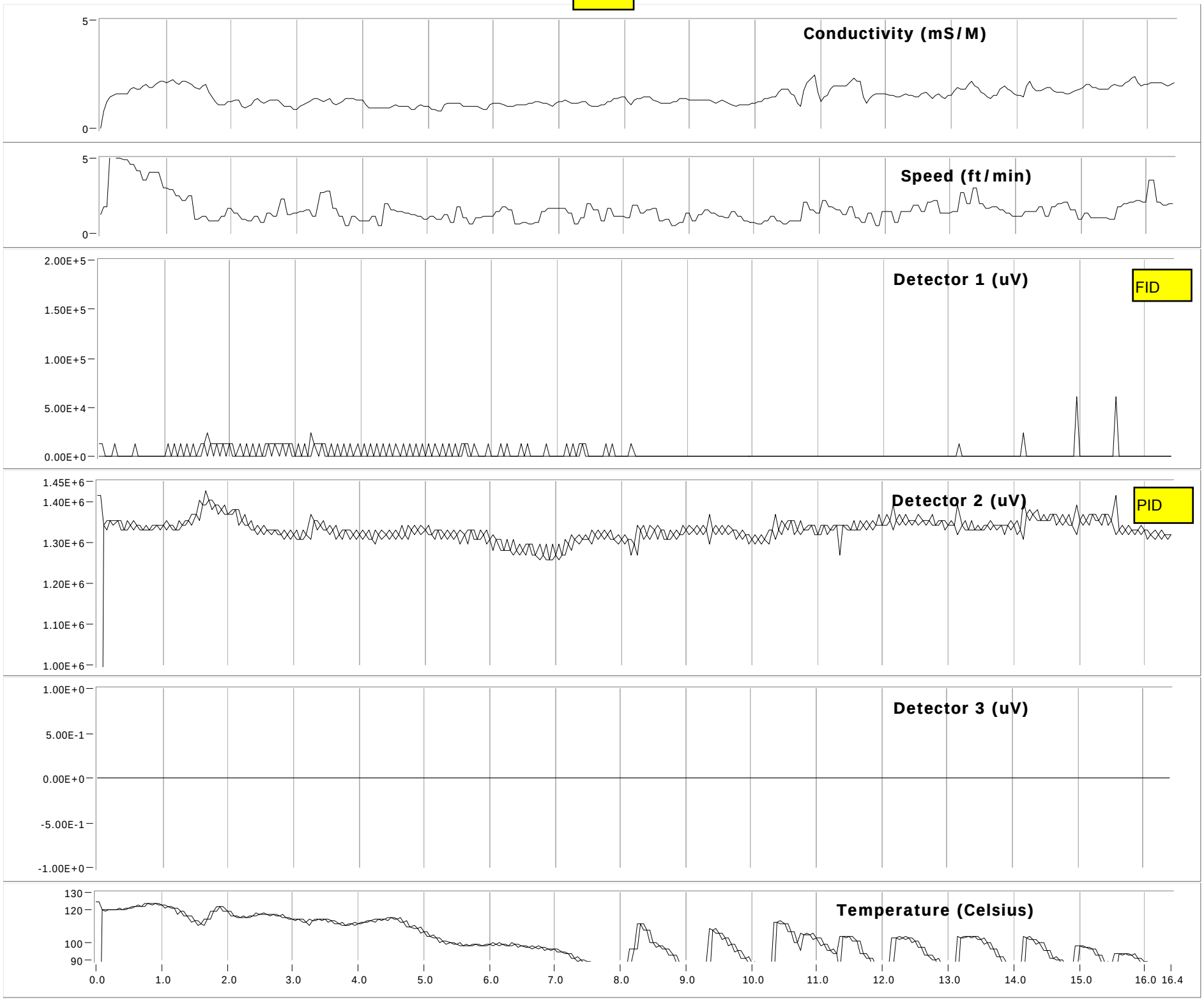
TP-6



MIP GRAPH FOR TB-7

Log: E:\2006 Projects_GTA

TP-7



ATTACHMENT 7

BORING LOGS

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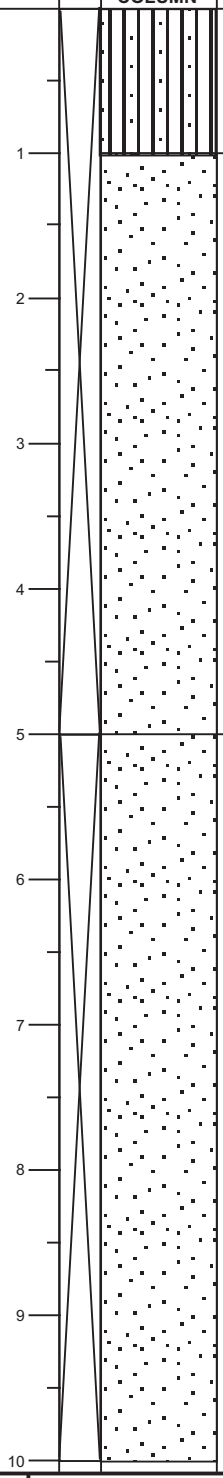
LOG OF EXPLORATORY BOREHOLE
Borehole Designation: SB-1

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SANDY SILT with GRAVEL (ML); brown; 80% recovery).
						SAND with GRAVEL (SP); grey-brown; 80% recovery.
						SAND with GRAVEL (SP); brown-grey; 80% recovery.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

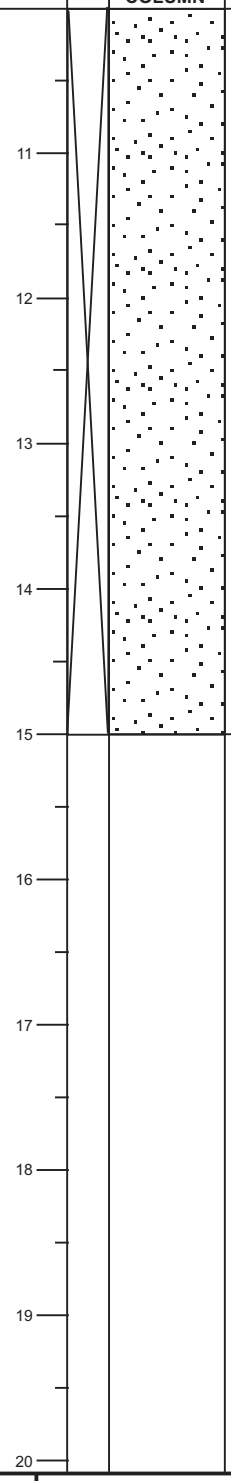
COMMENTS:

LOG OF EXPLORATORY BOREHOLE
Borehole Designation: SB-1 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP); brown-grey; 90% recovery.
						▼ DTW - 13.0 to 13.5 feet
						Total Depth = 15 feet



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

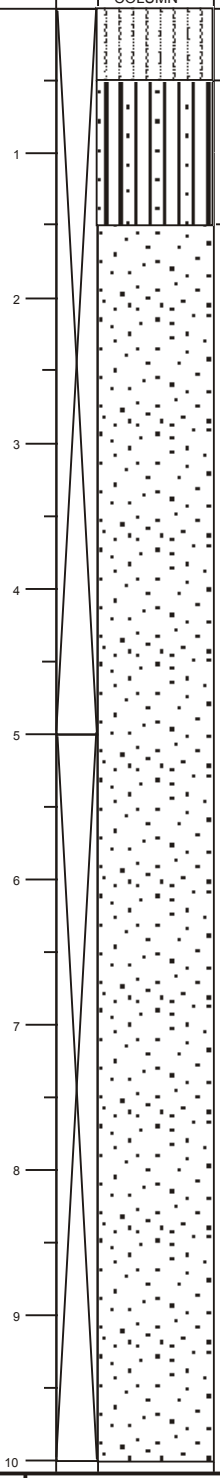
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-2

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SILT (ML) ; overburden
						SILTY SAND (SM) ; brown; 75% recovery.
						SAND with GRAVEL (SP) ; brown-grey; 75% recovery.
						SAND with GRAVEL (SP) ; brown-grey; moist below 8 feet; 80% recovery.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

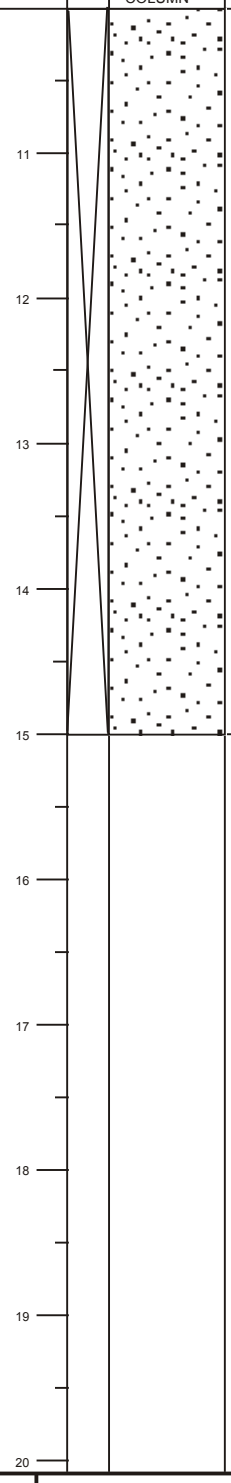
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-2 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP) ; grey; 85% recovery.
						▼ DTW - 14 feet
						Total Depth = 15 feet



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

SHEET 2 OF 2

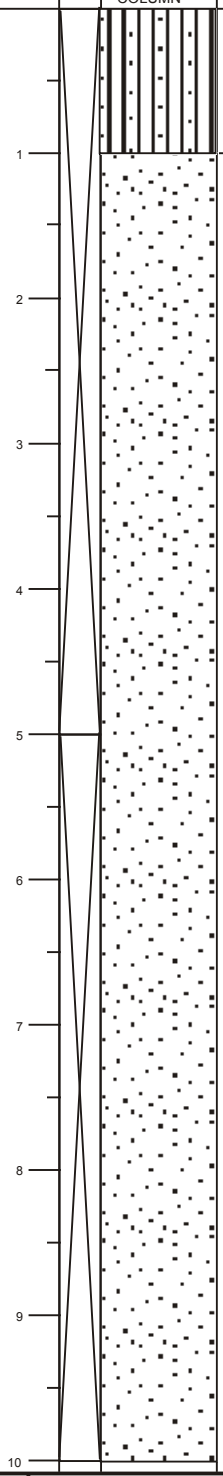
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-3

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SILTY SAND (SM) ; brown; 80% recovery.
						SAND with GRAVEL (SP) ; brown-grey; moist below 7 feet; 80% recovery.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

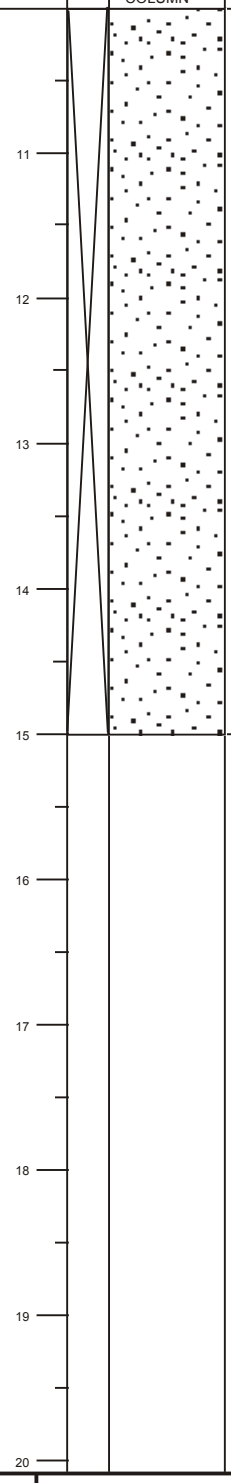
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-3 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP) ; grey; 85% recovery.
						▼ DTW - 14 feet
						Total Depth = 15 feet



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

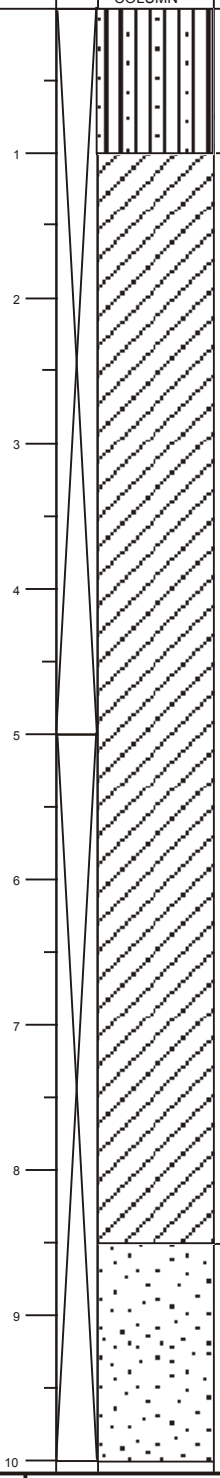
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-4

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SILTY SAND with GRAVEL (SM) ; brown; 60% recovery.
						SILTY CLAY (CL); brown to olive; 60% recovery.
						SAND with GRAVEL (SP); brown-grey; layer of organics at 8.5 feet.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-4 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP); brown-grey.
						▼ DTW - 13.5 feet
						Total Depth = 15 feet

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DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

SHEET 2 OF 2

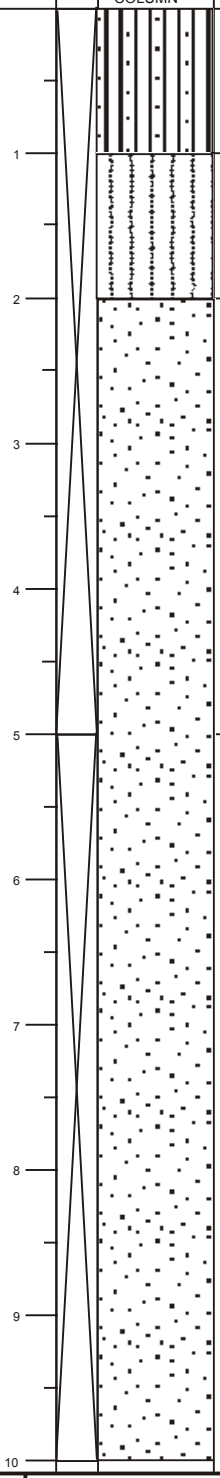
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-5

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SILTY SAND with GRAVEL and organics (SM) ; brown; 75% recovery.
						CLAYEY SILT (CL) ; brown; wet; 75% recovery.
						SAND with GRAVEL (SP) ; brown-grey; 75% recovery.
						SAND with GRAVEL (SP) ; brown - light grey; layer of fine sand from 8 to 9 feet; 75% recovery.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-5 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP) ; brown-grey; 90% recovery.
						▼ DTW - 13 - 13.5 feet
						Total Depth = 15 feet

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DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

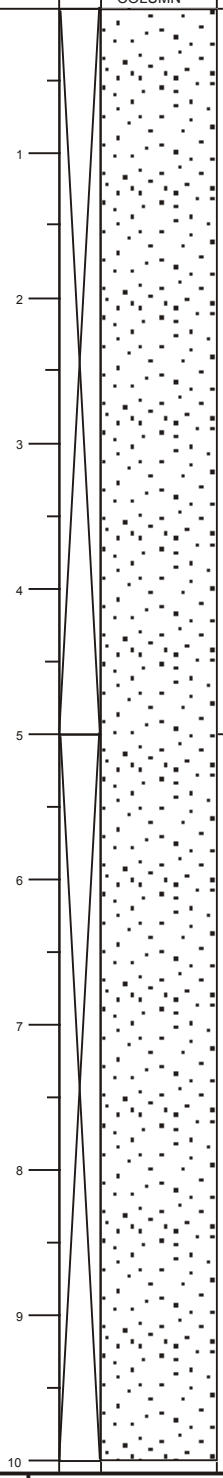
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-6

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP) ; brown-grey; 75% recovery.
						SAND with GRAVEL (SP) ; brown-grey; 90% recovery.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-6 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP) ; brown-grey; 80% recovery.
						▼ DTW - 13.5 feet
						Total Depth = 15 feet

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DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

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COMMENTS:

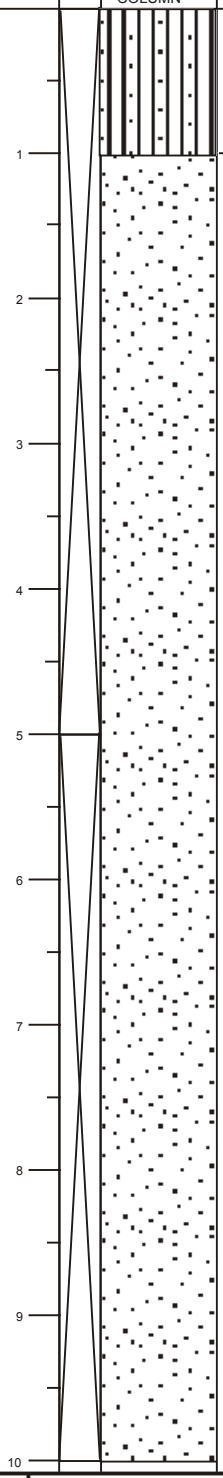
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-7

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SANDY SILT with ORGANICS (ML) ; brown; 85% recovery.
						SAND with GRAVEL (SP) ; brown-grey; moist at 8 to 20 feet; 85% recovery.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

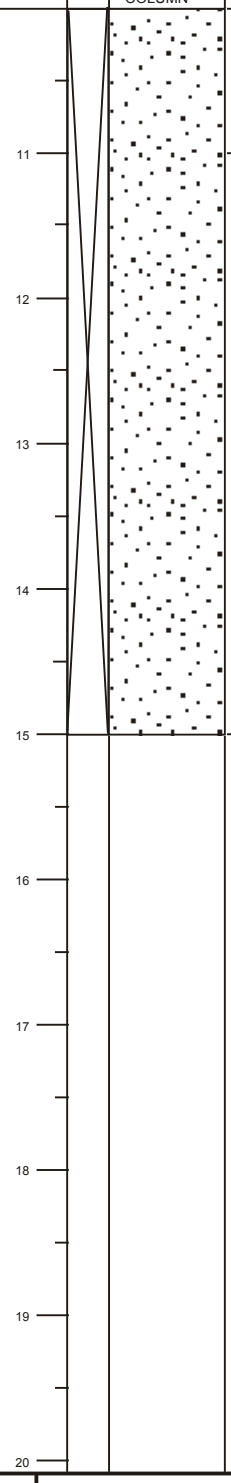
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-7 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP) ; brown-grey.
						SAND (SP) ; brown-grey.
						▼ DTW - 14.5 feet
						Total Depth = 15 feet



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

SHEET 2 OF 2

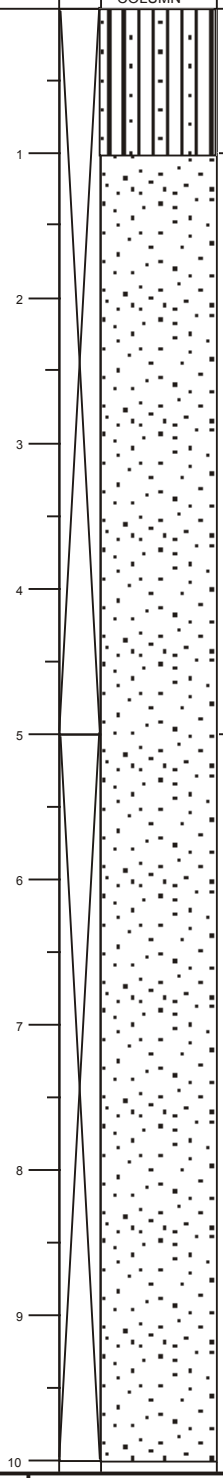
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-8

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						CLAYEY SILT with SAND (ML) ; brown; moist; 75% recovery.
						SAND with GRAVEL (SP) ; brown-grey; 75% recovery.
						SAND with GRAVEL (SP) ; brown-grey; moist; medium-grained; 80% recovery.



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS:

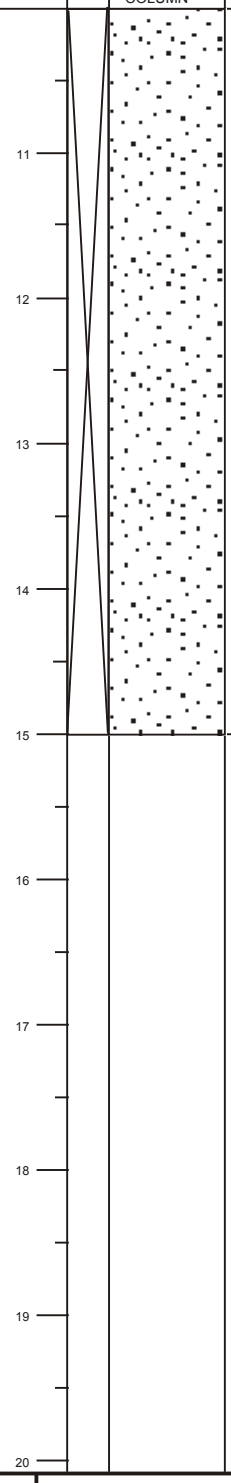
LOG OF EXPLORATORY BOREHOLE

Borehole Designation: SB-8 (cont'd)

PROJECT NAME: FORMER WEST COOK INLET CONSTRUCTION YARD
LOCATION: BELUGA, ALASKA
PROJECT MANAGER: BEN MARTICH
LOGGED BY: BEN MARTICH
PROJECT NUMBER: 14-075

START TIME / END TIME:
DATE COMPLETED:
TOTAL BOREHOLE DEPTH: 15 FEET
DRILLING CONTRACTOR: GEOTEK, ALASKA
DRILL RIG TYPE: DIRECT PUSH TECHNOLOGY
SAMPLING METHOD: GEOPROBE

DRIVEN/ RECOVERED (INCHES)	PID (ppm)	SAMPLE INTERVAL	TIME SAMPLED	DRIVES	LITHO-LOGIC COLUMN	LITHOLOGIC DESCRIPTION
						SAND with GRAVEL (SP) ; brown-grey; 80% recovery.
						▼ DTW - 13 feet
						Total Depth = 15 feet



DATE: 6/8/06
CHECKED BY: BM
DRAWN: BM
PROJECT: 14-075

oasis ENVIRONMENTAL

COMMENTS: