



SECOR
INTERNATIONAL
INCORPORATED

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916-861-0400 TEL
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October 31, 2005

Ms. Deborah Williams
Alaska Department of Environmental Conservation
610 University Avenue
Fairbanks, Alaska 99709

RE: **2005 Monitoring Well Replacement Report**
Former Texaco Service Station 21-1079
1501 South Cushman Street
Fairbanks, Alaska
SECOR Project No.: 77CH.21079.04.0270

Dear Ms. Williams:

SECOR International Incorporated (SECOR), on behalf of Chevron Environmental Management Company (Chevron), has prepared this letter for the Alaska Department of Environmental Conservation (ADEC) to document the installation of one replacement groundwater monitoring well at the above-referenced site (Figure 1). The onsite monitoring well was installed to replace MW-3 which was abandoned in August 2004 due to damage from a snow plow. This work was done in accordance with ADEC's approval to SECOR's request to replace MW-3 dated September 12, 2005 (Attachment 1).

ONSITE ASSESSMENT ACTIVITIES AND FINDINGS

On September 26, 2005, SECOR supervised Discovery Drilling Incorporated (Discovery) of Anchorage, Alaska in the installation of one replacement monitoring well (MW-3R) to the depth of approximately 22 feet below ground surface (bgs), and constructed a 2-inch PVC monitoring well. As per ADEC approval, no soil samples were collected for logging or sampling due to the proximity of the location to the original well site (Attachment 2). The boring log for MW-3R, well construction details, and the original boring log for MW-3 are included in Attachment 2. The monitoring well was developed and sampled by Oasis Environmental Incorporated in September 2005. The analytical results from the groundwater sampling will be included in the second Semi-Annual Groundwater Monitoring Report for 2005 for the above-referenced site. Field and Laboratory Procedures are detailed in Attachment 3.

Should you have any questions or concerns regarding these activities, please feel free to contact David Weigner at (916) 861-0400 extension 277.

Sincerely,
SECOR International Incorporated


Ben McKenna
Staff Geologist


David Weigner for
Project Manager

S E C O R

Ms. Deborah Williams
October 31, 2005
Page 2

Enclosures:

Figure 1 Site Plan

Attachment 1 ADEC Correspondence
Attachment 2 Boring Log and Field Documentation
Attachment 3 Field and Laboratory Procedures

cc: Stacie Hartung-Frerichs, Chevron Environmental Management Company, San
 Ramon, California

FIGURES

15TH AVENUE

CUSHMAN STREET

ALLEY

LEGEND:

- GROUNDWATER MONITORING WELL
- DESTROYED GROUNDWATER MONITORING WELL
- NEW WELL LOCATION

THE PROSPECTOR BUILDING

FAIRBANKS VETERINARY HOSPITAL

GREEN HOUSE AND GARAGE

HEARTLAND REALTY

PRIVATE ALLEY

BUILDING

APARTMENT BUILDING

FORMER UST LOCATION (APPROXIMATE)

FORMER PUMP ISLAND LOCATIONS (APPROXIMATE)

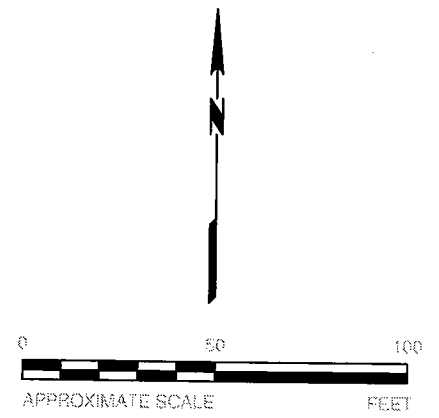
SVE SHED


VARIETY MOTORS

WESTMARK HOTEL

15TH AVENUE

LACEY STREET



 SECOR 3017 KILGORE ROAD, SUITE 100 RANCHO CORDOVA, CALIFORNIA PHONE: (916) 861-0400/861-0430 (FAX)	FOR: FORMER TEXACO SERVICE STATION # 211079 1501 CUSHMAN STREET FAIRBANKS, ALASKA		SITE PLAN		FIGURE: 1
	JOB NUMBER: 77CH.21079.04.0270	DRAWN BY: MDR	CHECKED BY: MD	APPROVED BY: MD	DATE: 10/10/05

ATTACHMENT 1

ADEC CORRESPONDENCE

2005 Monitoring Well Replacement Report

Former Texaco Service Station 21-1079

1501 South Cushman Street

Fairbanks, Alaska

SECOR Project No.: 77CH.21079.04.0270

October 31, 2005

From: David Weigner [dweigner@secor.com]
Sent: Monday, September 12, 2005 3:03 PM
To: Tonya Myers; Jocelyn Jackson
Subject: FW: Well Replacement at Facility #211079

Thank you,

David Weigner
 SECOR International, Inc.
 (916) 861-0400 ext. 277
 (916) 861-0430 fax
 (916) 284-5709 cell
dweigner@secor.com

From: Williams, Deborah [mailto:Deborah_Williams@dec.state.ak.us]
Sent: Monday, September 12, 2005 2:34 PM
To: David Weigner
Subject: RE: Well Replacement at Facility #211079

ADEC approves of the following proposal to replace the former MW-3 monitoring well. Let me know if you have any questions or concerns.

Deb.

-----Original Message-----

From: David Weigner [mailto:dweigner@secor.com]
Sent: Monday, September 12, 2005 1:28 PM
To: Williams, Deborah
Cc: Brian Silva
Subject: RE: Well Replacement at Facility #211079

I'm sorry. I forgot to attach it.

David Weigner
 SECOR International, Inc.
 (916) 861-0400 ext. 277
 (916) 861-0430 fax
 (916) 284-5709 cell
dweigner@secor.com

From: Williams, Deborah [mailto:Deborah_Williams@dec.state.ak.us]
Sent: Monday, September 12, 2005 2:16 PM
To: David Weigner
Subject: RE: Well Replacement at Facility #211079

Hi David -

The attachment did not come through on my end. Do you mind sending it again?

Thanks.
 Deb.

-----Original Message-----

From: David Weigner [mailto:dweigner@secor.com]
Sent: Monday, September 12, 2005 12:39 PM
To: Williams, Deborah

Cc: Brian Silva; David Weigner
Subject: Well Replacement at Facility #211079

Deborah,

SECOR would like to request approval to reinstall groundwater monitoring well MW-3 at 1501 South Cushman in Fairbanks. MW-3 was abandoned in August 2004 because a large volume of gravel was inside the well casing which could not be removed or repaired. SECOR also would like to request permission to advance the soil boring without logging the lithology of the soil or collecting soil samples due to the close proximity of abandoned well MW-3. Field personnel will screen the soil for petroleum hydrocarbon impacts per the site-specific health and safety plan and note differences in the lithology from the original MW-3 boring log used during these activities.

The work will commence the week of September 26th and coincide with field work that is currently scheduled for the FAIR area. Soil cuttings (IDW) from this well installation will be properly drummed, labeled, and temporarily stored on site. Pending laboratory analysis, the IDW will be transported along with the IDW from the FAIR area to Anchorage Soil Recycling (ASR) in Anchorage where it will be treated as necessary. A Site Plan is attached above illustrating the proposed location. Please let me know at your earliest convenience if this work is acceptable as preparation is scheduled to be underway this week. Feel free to contact me if you have any questions or concerns pertaining to this work.

Thank you,

David Weigner
SECOR International, Inc.
(916) 861-0400 ext. 277
(916) 861-0430 fax
(916) 284-5709 cell
dweigner@secor.com

ATTACHMENT 2
BORING LOG

2005 Monitoring Well Replacement Report
Former Texaco Service Station 21-1079
1501 South Cushman Street
Fairbanks, Alaska
SECOR Project No.: 77CH.21079.04.0270
October 31, 2005

PROJECT: **Monitoring Well Replacement**
 LOCATION: **1501 Cushman Street, Fairbanks, Alaska**
 PROJECT NUMBER: **77CH.21079.04.0270**

WELL / PROBEHOLE / BOREHOLE NO:

MW-3R PAGE 1 OF 1



SECOR

DRILLING: STARTED **9/26/05** COMPLETED: **9/26/05**
 INSTALLATION: STARTED **9/26/05** COMPLETED: **9/26/05**
 DRILLING COMPANY: **Discovery**
 DRILLING EQUIPMENT: **CME 75**
 DRILLING METHOD: **Hollow Stem Auger**
 SAMPLING EQUIPMENT:

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **14 9/26/05**
 STATIC DTW (ft): **NE**
 WELL CASING DIAMETER (in): **2.0**
 LOGGED BY: **bm**
 EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **22.0**
 WELL DEPTH (ft): **22.0**
 BOREHOLE DIAMETER (in): **8.0**
 CHECKED BY: **ccj**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
5			Cleared to approximately 8'1". No samples taken. See MW-3 boring log for lithology.						5	<p>SCH 40 PVC Blank Riser</p> <p>Bentonite</p> <p>Sand</p> <p>SCH 40 PVC .010" Slotted Screen</p>
10									10	
15									15	
20									20	
25			Hole terminated at 22 feet.						25	
30									30	
35									35	

LOG OF EXPLORATORY BORING

PROJECT NAME TEXACO SITE - TES FACILITY #63-057-0003
 LOCATION 1501 CUSHMAN ST, FAIRBANKS, ALASKA
 DRILLED BY DISCOVERY
 DRILL METHOD HSA
 LOGGED BY Russell Thompson

BORING NO. MW-3
 PAGE 1 OF 2
 REFERENCE ELEV.
 TOTAL DEPTH 25.00'
 DATE COMPLETED 9/2/92

BLOWS PER 6 INCHES	RECOVERY (FT)	DATA- LOGGER PID (PPM)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
7 6 9	1.5	0		5			SILTY SAND (SM); tan to gray; 35% non-plastic silt; 40% fine to coarse sand; 25% fine to medium gravel (3/4" diameter); damp.
							SILT (ML) brown; 85% non-plastic silt; 10% fine sand; trace fine gravel (3/4" diameter); stiff; damp; no noticeable odor.
							SANDY GRAVEL (GW); brown; 10% non-plastic silt; 35% fine to coarse sand; 55% fine to medium gravel (1 1/2" diameter); medium dense.
		0		10			At 10'; tan; 5% non-plastic silt; 35% fine to coarse sand; 60% fine to medium gravel; dense.
							At 14'; first encountered groundwater.
				15			Increasing gravel from 15.0 to 16.5 feet.
							Increasing sand.
				20			

REMARKS

Drilled using continuous flight, hollow stem auger equipment. Samples were collected using a split-spoon sampler. Upon completion, the boring was converted into a 25-foot-deep, 4-inch-diameter ground water monitoring well.

LOG OF EXPLORATORY BORING

PROJECT NAME TEXACO SITE - TES FACILITY #63-057-0003
 LOCATION 1501 CUSHMAN ST, FAIRBANKS, ALASKA
 DRILLED BY DISCOVERY
 DRILL METHOD HSA
 LOGGED BY Russell Thompson

BORING NO. MW-3
 PAGE 2 OF 2
 REFERENCE ELEV.
 TOTAL DEPTH 25.00'
 DATE COMPLETED 9/2/92

BLOWS PER 6 INCHES	RECOVERY (FT)	DATA- LOGGER PID (PPM)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO- LOGIC COLUMN	LITHOLOGIC DESCRIPTION
							Sluffing, no sample collected.
				25			Sluffing, no sample collected.
							Bottom of Boring
				30			
				35			
				40			

REMARKS

Drilled using continuous flight, hollow stem auger equipment. Samples were collected using a split-spoon sampler.
 Upon completion, the boring was converted into a 25-foot-deep, 4-inch-diameter ground water monitoring well.

ATTACHMENT 3
FIELD AND LABORATORY PROCEDURES

2005 Monitoring Well Replacement Report
Former Texaco Service Station 21-1079
1501 South Cushman Street
Fairbanks, Alaska

SECOR Project No.: 77CH.21079.04.0270
October 31, 2005

FIELD AND LABORATORY PROCEDURES

Former Texaco Service Station 21-1079, 1501 Cushman Street, Fairbanks, Alaska

Site Safety Plan

Prior to fieldwork, a Site Health and Safety Plan (SHSP) was prepared. The SHSP was prepared as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120) and the Alaska Department of Labor's General Safety Code, Section 01.0102 (8 AAC 61.010). The project manager, field staff and contractors reviewed the SHSP prior to beginning field operations.

Groundwater Monitoring Well Drilling

The soil boring for the monitoring well was advanced using 8-inch hollow-stem auger drilling equipment to approximately 22 feet below ground surface (bgs). Down-hole sampling equipment was washed in Alconox, or a similar solution between samples.

Groundwater Monitoring Well Installation

The boring was converted to a monitoring well by installing 2-inch diameter, flush-threaded, Schedule 40 PVC casing with 0.010 inch factory-slotted screen in the boring. Approximately 10 feet of screen was placed in the bottom of the boring. Graded sand, appropriate to the screen size, was placed in the annular space across the entire screened interval, and does not extend more than 2 feet above the top of the screened interval of the well. A bentonite seal extends from the sand pack to the well box. The well casing was topped with a locking cap and the wellhead contained in a watertight well box that is traffic rated and flush mounted.

Laboratory Procedures

Selected soil samples and groundwater samples collected were analyzed for GRO (Gasoline Range Organics) by Alaska method AK 101, DRO (Diesel Range Organics) by Alaska method AK 102. Polynuclear Aromatic Compounds (PAH's) by EPA method 8270C, and BTEX (Benzene, Toluene, Ethylene, and total Xylenes) by EPA method 8260.

Soil Cuttings

Soil cuttings generated during drilling operations were temporarily stored onsite at the Chevron facility location in 55-gallon drums pending characterization and disposal. Soil cuttings will be transported to an appropriate offsite disposal facility.