

**R&M CONSULTANTS, INC.**

9101 Vanguard Drive, Anchorage, Alaska 99507

(907) 522-1707, FAX (907) 522-3403, www.rmconsult.com

September 5, 2007

R&M No. 1276.03

Denali Fuel Company
P.O. Box 200129
Anchorage, Alaska 99520-0129

ATTN: Mrs. Frances Mlakar

RE: Groundwater Monitoring Well Sampling
8223 Hartzell Road Site, Anchorage, Alaska
Incident # 91210027502
ADEC File # 2100.26.151

Dear Mrs. Mlakar:

R&M Consultants, Inc. (R&M) has recently completed the annual groundwater sampling event for four of the seven wells at the 8223 Hartzell Road site, as recommended in the 13 July 2004 R&M *Quarterly Groundwater Monitoring Well Sampling Report*. The four wells that were sampled are designated MW-3, MW-4, MW-6, and MW-8. This most recent phase of groundwater sampling was conducted to further quantify existing contamination at the site, and to determine the extent of natural attenuation that is taking place. Groundwater taken from the wells was sampled and submitted for laboratory analysis on 3 August 2007. The well locations appear on the attached site map, Drawing No. 1.

The water levels in the wells were measured prior to sampling to allow determination of the approximate groundwater flow direction.

All groundwater sampling was performed in accordance with the procedures presented in Section 4 of the Alaska Department of Environmental Conservation (ADEC) *Underground Storage Tanks Procedures Manual*, dated 7 November 2002. Groundwater samples that were submitted to SGS Environmental Services (SGS) were analyzed for Diesel Range Organics (DRO) by Method AK 102, Gasoline Range Organics (GRO) by Method AK 101, and Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by Method EPA 8021. All samples were analyzed for DRO, but only samples from Monitoring Well MW-6 were analyzed for GRO and BTEX. Water removed from the wells during purging in conjunction with sampling was contained in a 55-gallon drum. This waste water will be properly disposed of by Denali Fuel or their representative.

GROUNDWATER FLOW DIRECTION

Groundwater elevations were measured in all wells on 3 August 2007. Table 1 and Table 2 (both attached) present current groundwater elevation data and historical groundwater elevation data, respectively. The interpreted direction of groundwater flow is generally to the west and southwest, as illustrated on Drawing No. 1.

GROUNDWATER SAMPLING

At least three well volumes of water were first removed from the casings prior to sampling, using a polyethylene bailer. A light sheen of petroleum was observed on purge water from Monitoring Well MW-6, but not on water bailed from any other well. After purging, groundwater samples were collected and submitted to SGS on 28 June 2006 for laboratory analysis. Samples were analyzed for DRO by AK 102, and GRO/BTEX by AK 101/EPA 8021.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for groundwater samples were reported on 20 August 2007. Table 3, attached, summarizes the results. With the exception of Monitoring Well MW-8, detected levels of DRO were above ADEC groundwater cleanup standards in each well sampled. The highest concentration of DRO was detected in groundwater collected from Monitoring Wells MW-3 and MW-4, with 11.5 mg/L, and 10.8 mg/L, respectively, compared to a cleanup standard of 1.5 mg/L. GRO and BTEX were not detected at levels above cleanup standards. Historical groundwater results prior to June, 2004 are summarized in Table 4.

QUALITY ASSURANCE/ QUALITY CONTROL

One duplicate groundwater sample was collected from Monitoring Well MW-6 and submitted in the same manner as the regular samples. Results for GRO, DRO, and BTEX were generally in good agreement between the normal and the duplicate sample.

RECOMMENDATIONS

The contamination levels in Monitoring Well MW-6 continue to show a general decline. Historically, Monitoring Well MW-6 has exhibited the highest levels of DRO, as high as 46.6 mg/L, measured in October, 2001 (Table 4). This is not surprising, as that well is located in an area that is inaccessible for remediation by excavation. The inaccessibility is due to the proximity of utilities and aboveground development. In other wells at the site, contamination levels fluctuate less between sampling events. The other three Monitoring Wells that were sampled (MW-3, MW-4, and MW-8) exhibit slight increases in DRO concentrations since the 2006 monitoring event, however, the general trend continues to a decline in concentration.

GRO and BTEX concentrations were only tested in Monitoring Well MW-6, where each of these parameters was below cleanup levels.

Based on the continued overall decline in DRO and GRO/BTEX concentrations in the groundwater at the site, the groundwater contamination at the site appears to be slowly attenuating and remaining in place. The soil contamination that remains is in small, disparate pockets that would be impractical to try to remove by excavation. The moderate levels of dissolved oxygen during the June, 2004 sampling event indicate that conditions are favorable for biologic activity. It is recommended that sampling of Monitoring Wells MW-3, MW-4, MW-6 and MW-8 continue to be performed annually. Testing should continue to be limited to DRO in Monitoring Wells MW-3, MW-4, and MW-8, with the inclusion of GRO/BTEX testing in Monitoring Well MW-6, as performed during this current sampling event. If contaminant levels at the site continue to decrease or remain steady for two additional sampling events (2007 and 2008), we will request that ADEC allow cessation of all further environmental monitoring at the site, and that they issue a finding of No Further Remedial Action.

CLOSURE

This report has been prepared for the exclusive use of Denali Fuel Company and their representatives in the study of this site. Since opinions of conditions prevailing on a particular site must be based on the work authorized by the client, all findings/data must be construed as representative of the site at a particular moment in time and the result of services performed within the scope, limitations, and cost of the work requested. Changes in the conditions of this site may occur with the passage of time and may be due to natural processes or the works of man. In addition, changes in government codes, State or Federal regulations and laws, may occur. Due to such changes, which are beyond our control, observations, and recommendations applicable to this site may need to be revised wholly or in part from time to time.

R&M Consultants, Inc. prepared this groundwater sampling report in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions. No warranty, express or implied, beyond exercise of reasonable care and professional diligence, is made.

Mrs. Frances Mlakar
Denali Fuel Company
September 5, 2007
Page 4

We appreciate the opportunity to continue to work with you on this project. Should you have any questions concerning this letter report, please do not hesitate to call us at 522-1707.

Very truly yours,

R&M CONSULTANTS, INC.



Robert M. Pintner, P.E.
Senior Geotechnical Engineer

RMP*slv

Attachments: Tables (1 thru 4)
Site Map (Drawing No. 1)
Laboratory Analytical Data (10 Sheets)

xc: Mr. Robert Weimer, Alaska Department of Environmental Conservation

TABLE 1
GROUNDWATER ELEVATIONS

MEASUREMENT DATE		8/3/07
MW-3 TOP ELEVATION* 103.05	Depth (ft)	6.41
	Elevation (ft)	96.64
MW-4 TOP ELEVATION* 103.60	Depth (ft)	6.94
	Elevation (ft)	96.66
MW-6 TOP ELEVATION* 102.28	Depth (ft)	7.25
	Elevation (ft)	95.03
MW-8 TOP ELEVATION* 102.49	Depth (ft)	8.32
	Elevation (ft)	94.17

* Well elevations were re-surveyed on 9/10/03; Datum = 100.0' assigned to MOA Control Point on centerline of Hartzell Road and E. 84th Court intersection.

TABLE 2

HISTORICAL GROUNDWATER ELEVATIONS

MEASUREMENT DATE		6/12/97	6/12/98	3/14/00	11/01/00	6/13/01	10/02/01	1/29/02	4/22/02	7/12/02	9/12/03	6/16/04	7/18/05	6/28/06
MW-1 TOP ELEVATION* 102.25	Depth	8.21	7.53	9.98	7.95	8.01	8.07	8.71	9.24	8.00	8.08	7.20	NA	NA
	Elevation	94.35	95.03	92.31	94.34	94.52	94.22	93.82	93.29	94.53	94.17	95.05	NA	NA
MW-2 TOP ELEVATION* 102.78	Depth	6.42	5.03	10.02	6.63	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Elevation	96.36	97.75	92.76	96.15	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 TOP ELEVATION* 103.05	Depth	6.94	5.73	10.55	7.26	6.92	7.25	8.61	Frozen	6.84	7.63	6.14	7.36	6.19
	Elevation	96.19	97.40	92.58	95.87	96.31	95.98	94.62	Frozen	96.39	95.42	96.91	95.69	96.86
MW-4 TOP ELEVATION* 103.60	Depth	NA	NA	NA	NA	7.31	7.54	8.65	9.45	7.29	8.22	6.87	7.86	6.62
	Elevation	NA	NA	NA	NA	96.24	96.01	94.90	94.10	96.26	95.38	96.73	95.74	96.98
MW-5 TOP ELEVATION* 103.13	Depth	NA	NA	NA	NA	9.55	8.63	8.86	9.55	8.56	9.28	7.99	NA	NA
	Elevation	NA	NA	NA	NA	93.50	94.42	94.19	93.50	94.49	93.85	95.14	NA	NA
MW-6 TOP ELEVATION* 102.28	Depth	NA	NA	NA	NA	6.91	7.06	8.63	9.45	7.27	7.51	6.70	8.45	6.68
	Elevation	NA	NA	NA	NA	95.31	94.99	93.42	92.60	94.78	94.77	95.58	93.83	95.60
MW-7 TOP ELEVATION* 101.53	Depth	NA	NA	NA	NA	NA	7.90	8.15	7.13	7.62	8.60	6.99	NA	NA
	Elevation	NA	NA	NA	NA	NA	93.62	93.37	94.39	93.90	92.93	94.54	NA	NA
MW-8 TOP ELEVATION* 102.49	Depth	NA	NA	NA	NA	NA	8.27	8.72	8.91	7.93	9.25	7.25	11.07	8.66
	Elevation	NA	NA	NA	NA	NA	94.20	93.75	93.56	94.54	93.24	95.24	91.42	93.83

* Well elevations were re-surveyed on 9/10/03; Datum = 100.0' assigned to MOA Control Point on centerline of Hartzell Road and E. 84th Court intersection

TABLE 3
LABORATORY ANALYTICAL RESULTS
GROUNDWATER SAMPLES
August 8, 2007

SAMPLE ID (WELL)	DRO (mg/L)	GRO (mg/L)	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYLBEN- ZENE (mg/L)	XYLENES (mg/L)
MW-3	11.5	NA	NA	NA	NA	NA
MW-4	10.8	NA	NA	NA	NA	NA
MW-6A	7.09	0.422	0.000754	ND	0.0423	0.0418
MW-6B*	5.81	0.436	0.000750	ND	0.0420	0.0415
MW-8	0.799	NA	NA	NA	NA	NA
ADEC CLEANUP STANDARDS	1.5	1.3	0.005	1.0	0.7	10.0

Shaded cells indicate that analyte was detected above cleanup levels.

- * MW-6B is a duplicate sample collected from Monitoring Well MW-6.
NA - Data not available; analysis was limited to DRO on all samples except M6-A and MW-6B
Mpm = detect ND – Not Detected

TABLE 4

**SUMMARY OF HISTORICAL
GROUNDWATER ANALYTICAL RESULTS (mg/L)**

MONITORING WELL NO.	DATE OF TEST	JUNE 1997	JUNE 1998	MAR. 2000	JUNE 2001	OCT. 2001	JAN. 2002	APRIL 2002	JUNE 2002	SEPT. 2003	JUNE 2004	JULY 2005	JUNE 2006
MW-1 (SW of Removed Tank location - toward road)	DRO	3.1	5.12	4.73	3.06	3.85	3.14	NA	4.70	3.08	4.15	NA	NA
	GRO	NT	NT	NT	ND	0.206	0.108	NA	0.313	ND	ND	NA	NA
	Benzene	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA
	Toluene	ND	ND	ND	ND	ND	0.0122	NA	ND	ND	ND	NA	NA
	Ethylbenzene	ND	ND	ND	ND	0.00491	0.00382	NA	0.00245	ND	ND	NA	NA
	Total Xylenes	ND	ND	ND	ND	0.00564	0.02334	NA	0.00829	ND	ND	NA	NA
MW-2 (At Removed Tank Location)	DRO	8.5	3.31	16.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GRO	NT	NT	NT	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	0.00103	ND	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	0.00111	ND	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	0.00455	ND	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Xylenes	0.00220	ND	0.006	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (SE of removed tank location)	DRO	9.38	9.47	6.29	5.87	9.90	8.41	NA	7.53	4.08	8.73	9.67	6.52
	GRO	NT	NT	NT	ND	0.192	ND	NA	ND	ND	ND	NA	NA
	Benzene	ND	ND	0.002	0.00126	0.00142	0.0009677	NA	0.00140	ND	0.0013	NA	NA
	Toluene	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA
	Ethylbenzene	ND	ND	0.002	ND	0.00365	ND	NA	ND	ND	ND	NA	NA
	Total Xylenes	0.000963	ND	0.003	ND	0.0409	ND	NA	ND	ND	ND	NA	NA
MW-4 (Installed June, 2001)	DRO	NA	NA	NA	2.40	3.66	1.94	1.69	5.66	2.67	6.49	3.06	2.37
	GRO	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	Benzene	NA	NA	NA	0.00139	0.00124	0.00144	0.00149	0.00143	ND	0.00146	NA	NA
	Toluene	NA	NA	NA	ND	ND	0.00252	ND	ND	ND	ND	NA	NA
	Ethylbenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	Total Xylenes	NA	NA	NA	ND	ND	0.00371	ND	ND	ND	ND	NA	NA

TABLE 4 (cont'd)

**SUMMARY OF HISTORICAL
GROUNDWATER ANALYTICAL RESULTS (mg/L)**

MONITORING WELL NO.	DATE OF TEST	JUNE 1997	JUNE 1998	MAR. 2000	JUNE 2001	OCT. 2001	JAN. 2002	APRIL 2002	JUNE 2002	SEPT. 2003	JUNE 2004	JULY 2005	JUNE 2006
MW-5 (Installed June, 2001)	DRO	NA	NA	NA	2.28	3.00	2.46	2.02	3.69	1.91	2.61	NA	NA
	GRO	NA	NA	NA	ND	0.450	ND	ND	ND	ND	ND	NA	NA
	Benzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	Toluene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	Ethylbenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
	Total Xylenes	NA	NA	NA	ND	ND	0.00209	ND	ND	ND	ND	NA	NA
MW-6 (Installed June, 2001)	DRO	NA	NA	NA	34	46.6	6.46	2.93	15.8	6.86	2.12	31.5	16.3
	GRO	NA	NA	NA	4.71	2.76	5.60	3.20	1.70	0.899	0.354	1.600	0.794
	Benzene	NA	NA	NA	0.0108	0.00700	0.0105	0.00643	0.00339	0.000592	0.000594	0.0017	0.0012
	Toluene	NA	NA	NA	ND	ND	ND	0.00953	ND	ND	ND	ND	ND
	Ethylbenzene	NA	NA	NA	0.317	0.232	0.223	0.116	0.113	0.103	0.0127	0.0730	0.0666
	Total Xylenes	NA	NA	NA	1.013	0.301	0.2824	0.1661	0.167	0.129	0.01822	0.0880	0.0744
MW-7 (Installed September, 2001)	DRO	NA	NA	NA	NA	1.88	3.12	ND	4.52	2.28	1.55	NA	NA
	GRO	NA	NA	NA	NA	ND	ND	ND	0.581	ND	ND	NA	NA
	Benzene	NA	NA	NA	NA	ND	ND	ND	0.00589	ND	ND	NA	NA
	Toluene	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA
	Ethylbenzene	NA	NA	NA	NA	ND	0.00356	ND	ND	ND	ND	NA	NA
	Total Xylenes	NA	NA	NA	NA	0.00679	0.00425	ND	ND	ND	ND	NA	NA
MW-8 (Installed September, 2001)	DRO	NA	NA	NA	NA	0.681	ND	ND	2.51	0.36	1.99	0.674	ND
	GRO	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA
	Benzene	NA	NA	NA	NA	ND	ND	ND	0.00113	ND	0.000596	NA	NA
	Toluene	NA	NA	NA	NA	ND	0.00343	ND	ND	ND	ND	NA	NA
	Ethylbenzene	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA
	Total Xylenes	NA	NA	NA	NA	0.00670	0.00483	ND	ND	ND	ND	NA	NA

BTEX analyzed by EPA 8020A prior to March 2000, and by EPA 8021B for the March 2000 event and afterward.

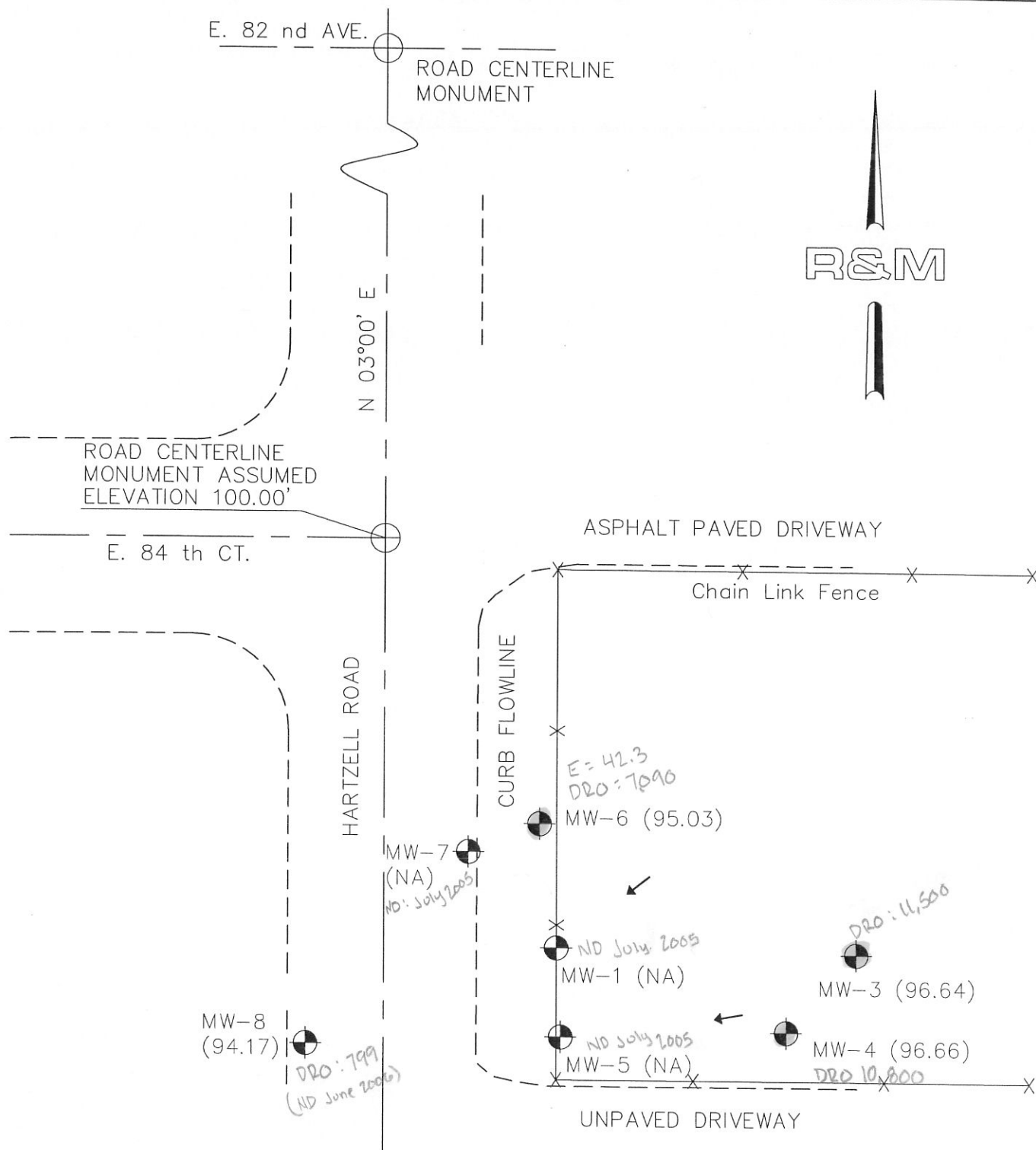
ND means NOT DETECTED

NT means NOT TESTED

NA means NOT AVAILABLE (MW-2 was destroyed during site excavation)

* Sample was analyzed using EPA Method 8100M, required at that time.


project\1276.02\SITE MAP, 1:1, 06/30/06 at 14:14 by kjp VIEW: AL02, PLOT, PLOTA-01, PLOTA-04



NOTES:

DATUM = 100 FT. ASSIGNED TO MOA CONTROL POINT ON CENTERLINE OF HARTZELL RD. AND E. 84TH CT.
GROUNDWATER ELEVATIONS MEASURED 8 AUGUST 2007
MONITORING WELL MW-2 DESTROYED 2 NOVEMBER 2000

LEGEND

-  - MONITORING WELL LOCATION
-  - APPROXIMATE GROUNDWATER FLOW DIRECTION

DWN: K.J.P.

CKD: R.M.P.

DATE: SEPT. 2007

SCALE: 1" = 30'

R&M
R&M CONSULTANTS, INC.
ENGINEERING • SURVEYING • EARTH SCIENCES
CONSTRUCTION SERVICES
9101 Vanguard Drive, Anchorage, Alaska 99507 (907) 522-1707

DENALI FUEL
ANCHORAGE, ALASKA

SITE MAP

FB: NA

GRID: 2233

PROJ.NO: 1276.03

DWG.NO: 1



Laboratory Analysis Report

200 W. Potter Drive
Anchorage, AK 99518-1605
Tel: (907) 562-2343
Fax: (907) 561-5301
Web: <http://www.us.sgs.com>

Kevin Pendergast
R & M Consultants Inc
9101 Vanguard Dr
Anchorage, AK 99507

Work Order: 1073844
1276.03

Client: R & M Consultants Inc
Report Date: August 20, 2007

Released by:

Barbara Hager
Barbara Hager
Alaska Division Project Manager



Barbara Hager
2007.08.20 15:19:01 -
08'00'

Enclosed are the analytical results associated with the above workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any other assistance, please contact your SGS Project Manager at 907-562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

PQL	Practical Quantitation Limit (reporting limit).
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected.
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
D	The analyte concentration is the result of a dilution.
LT	Less Than
!	Surrogate out of control limits.
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
JL	The analyte was positively identified, but the quantitation is a low estimation.
E	The analyte result is above the calibrated range.

Note: Soil samples are reported on a dry weight basis unless otherwise specified.



SGS Ref.# 1073844001
Client Name R & M Consultants Inc
Project Name/# 1276.03
Client Sample ID MW-8
Matrix Water (Surface, Eff., Ground)

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/20/2007 13:48
Collected Date/Time 08/03/2007 9:30
Received Date/Time 08/03/2007 12:38
Technical Director Stephen C. Ede

Sample Remarks:

AK102 - The pattern is consistent with a highly weathered middle distillate.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Semivolatile Organic Fuels Department</u>									
Diesel Range Organics	0.799	0.333	mg/L	AK102	A		08/13/07	08/14/07	JE
<u>Surrogates</u>									
5a Androstane <surr>	87.9		%	AK102	A	50-150	08/13/07	08/14/07	JE



SGS Ref.# 1073844002
Client Name R & M Consultants Inc
Project Name/# 1276.03
Client Sample ID MW-3
Matrix Water (Surface, Eff., Ground)

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/20/2007 13:48
Collected Date/Time 08/03/2007 10:20
Received Date/Time 08/03/2007 12:38
Technical Director Stephen C. Ede

Sample Remarks:

AK102 - The pattern is consistent with a highly weathered middle distillate.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Semivolatile Organic Fuels Department</u>									
Diesel Range Organics	11.5	0.333	mg/L	AK102	A		08/13/07	08/14/07	JE
<u>Surrogates</u>									
5a Androstane <surr>	138		%	AK102	A	50-150	08/13/07	08/14/07	JE



SGS Ref.# 1073844003
Client Name R & M Consultants Inc
Project Name/# 1276.03
Client Sample ID MW-4
Matrix Water (Surface, Eff., Ground)

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/20/2007 13:48
Collected Date/Time 08/03/2007 10:50
Received Date/Time 08/03/2007 12:38
Technical Director Stephen C. Ede

Sample Remarks:

AK102 - 5a-Androstane (surrogate) recovery is outside QC goals (biased high) due to hydrocarbon interference.

AK102 - The pattern is consistent with a highly weathered middle distillate.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Semivolatile Organic Fuels Department</u>									
Diesel Range Organics	10.8	0.333	mg/L	AK102	A		08/13/07	08/14/07	JE
<u>Surrogates</u>									
5a Androstane <surr>	184	!	%	AK102	A	50-150	08/13/07	08/14/07	JE



SGS Ref.# 1073844004
Client Name R & M Consultants Inc
Project Name/# 1276.03
Client Sample ID MW-6A
Matrix Water (Surface, Eff., Ground)

All Dates/Times are Alaska Standard Time
Printed Date/Time 08/20/2007 13:48
Collected Date/Time 08/03/2007 11:10
Received Date/Time 08/03/2007 12:38
Technical Director Stephen C. Ede

Sample Remarks:

AK102 - The pattern is consistent with a weathered middle distillate.

AK101/8021B - BFB (surrogate) recovery does not meet QC goals (biased high) due to hydrocarbon interference.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Volatile Fuels Department</u>									
Gasoline Range Organics	0.422	0.100	mg/L	AK101	C		08/10/07	08/11/07	HM
Benzene	0.754	0.500	ug/L	SW8021B	C		08/10/07	08/11/07	HM
Toluene	ND	2.00	ug/L	SW8021B	C		08/10/07	08/11/07	HM
Ethylbenzene	42.3	2.00	ug/L	SW8021B	C		08/10/07	08/11/07	HM
P & M -Xylene	38.9	2.00	ug/L	SW8021B	C		08/10/07	08/11/07	HM
o-Xylene	2.93	2.00	ug/L	SW8021B	C		08/10/07	08/11/07	HM
<u>Surrogates</u>									
4-Bromofluorobenzene <surr>	162	!	%	AK101	C	50-150	08/10/07	08/11/07	HM
1,4-Difluorobenzene <surr>	92.6		%	SW8021B	C	80-120	08/10/07	08/11/07	HM

Semivolatile Organic Fuels Department

Diesel Range Organics	7.09	0.316	mg/L	AK102	D		08/13/07	08/14/07	JE
<u>Surrogates</u>									
5a Androstane <surr>	92.2		%	AK102	D	50-150	08/13/07	08/14/07	JE



SGS Ref.# 1073844005
Client Name R & M Consultants Inc
Project Name/# 1276.03
Client Sample ID MW-6B
Matrix Water (Surface, Eff., Ground)

All Dates/Times are Alaska Standard Time

Printed Date/Time 08/20/2007 13:48
Collected Date/Time 08/03/2007 11:15
Received Date/Time 08/03/2007 12:38
Technical Director Stephen C. Ede

Sample Remarks:

AK102 - The pattern is consistent with a weathered middle distillate.

AK101/8021B - BFB (surrogate) recovery does not meet QC goals (biased high) due to hydrocarbon interference.

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Volatile Fuels Department</u>									
Gasoline Range Organics	0.436	0.100	mg/L	AK101	B		08/10/07	08/11/07	HM
Benzene	0.750	0.500	ug/L	SW8021B	B		08/10/07	08/11/07	HM
Toluene	ND	2.00	ug/L	SW8021B	B		08/10/07	08/11/07	HM
Ethylbenzene	42.0	2.00	ug/L	SW8021B	B		08/10/07	08/11/07	HM
P & M -Xylene	38.2	2.00	ug/L	SW8021B	B		08/10/07	08/11/07	HM
o-Xylene	3.28	2.00	ug/L	SW8021B	B		08/10/07	08/11/07	HM
<u>Surrogates</u>									
4-Bromofluorobenzene <surr>	163	!	%	AK101	B	50-150	08/10/07	08/11/07	HM
1,4-Difluorobenzene <surr>	91.4		%	SW8021B	B	80-120	08/10/07	08/11/07	HM

Semivolatile Organic Fuels Department

Diesel Range Organics	5.81	0.326	mg/L	AK102	D		08/13/07	08/14/07	JE
<u>Surrogates</u>									
5a Androstane <surr>	90.4		%	AK102	D	50-150	08/13/07	08/14/07	JE



SGS Ref.# 1073844006
Client Name R & M Consultants Inc
Project Name/# 1276.03
Client Sample ID Trip Blank
Matrix Water (Surface, Eff., Ground)

All Dates/Times are Alaska Standard Time

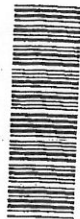
Printed Date/Time 08/20/2007 13:48
Collected Date/Time 08/03/2007 9:30
Received Date/Time 08/03/2007 12:38
Technical Director Stephen C. Ede

Sample Remarks:

Parameter	Results	PQL	Units	Method	Container ID	Allowable Limits	Prep Date	Analysis Date	Init
<u>Volatile Fuels Department</u>									
Gasoline Range Organics	ND	0.100	mg/L	AK101	A		08/07/07	08/08/07	NHN
Benzene	0.886	0.500	ug/L	SW8021B	A		08/07/07	08/08/07	NHN
Toluene	ND	2.00	ug/L	SW8021B	A		08/07/07	08/08/07	NHN
Ethylbenzene	ND	2.00	ug/L	SW8021B	A		08/07/07	08/08/07	NHN
P & M -Xylene	ND	2.00	ug/L	SW8021B	A		08/07/07	08/08/07	NHN
o-Xylene	ND	2.00	ug/L	SW8021B	A		08/07/07	08/08/07	NHN
<u>Surrogates</u>									
4-Bromofluorobenzene <surr>	78		%	AK101	A	50-150	08/07/07	08/08/07	NHN
1,4-Difluorobenzene <surr>	91.3		%	SW8021B	A	80-120	08/07/07	08/08/07	NHN

1073844

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.



2453

[illegible]

SAMPLE RECEIPT FORM (page 2)

SAMPLE RECEIPT FORM (page 2)

1. The first step is to identify the key components of the system. This involves understanding the hardware, software, and data involved.

Bottle Totals	0					9
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Completed by: AM/A Date: 8/3/07