Iowa Department of Transportation

800 Lincoln Way, Ames, Iowa 50010
Phone: 515-239-1741 Fax: 515-239-1726
e-mail: marykay.rogge@dot.state.ia.us

2002 OCT -4 A 11:26

DEPT. OF NATURAL RESOURCES

October 3, 2002

CON 12-15
Doc # 11125

Mr. Matthew Culp
Iowa Department of Natural Resources
Contaminated Sites Section
502 E. 9th
Des Moines, Iowa 50319

Subject: IDOT Dyersville Maintenance Facility
14067 Rte 136 North, Dyersville

Dear Mr. Culp:

Enclosed please find a copy of a brief report detailing collection of a down gradient groundwater sample at the above location. You will note from the date of the report that I am quite tardy in submitting these results. You have my apology. We feel that levels of hydrocarbons found in the analytical sample are too low to pose a serious risk to human health or the environment. We await your response on how to proceed at this site.

If you have any questions or comments, please feel free to contact me at the e-mail address above or at 515-239-1741.

Sincerely,

Mary Kay Rogge
Office of Location and Environment

W. E. Miner
Environmental Consultants, Inc.

P.O. Box 461
Ames, Iowa 50010
(515) 232-4957

July 12, 2002

Iowa Dept. of Transportation
Attn: Ms. Mary Kay Rogge, Env. Specialist
800 Lincoln Way
Ames, IA 50010

Re: IDOT Maint. Garage, Hwy. 136 North, Dyersville, IA

Dear Ms. Rogge:

A site visit was made on June 25, 2002, to the above referenced site to obtain the downgradient groundwater sample requested by IDNR. As background, possible soil contamination was discovered in May 2002 when excavation work was completed for the wastewater treatment system. A letter dated May 29, 2002, documented the soil sampling completed on May 21, 2002.

Rewerts Well Company of Nevada, Iowa, was present to complete the drilling work. A temporary monitoring well was installed just to the southwest of the excavation area in the presumed downgradient direction (see attached Site Map). A copy of the soil boring log for the temporary well is attached. The temporary well readily charged with groundwater so a sample was taken in accordance with IDNR's sampling protocols. Dedicated sampling equipment was used and the sample was placed in containers provided by Keystone Laboratories of Newton, Iowa. After sampling the well was plugged with bentonite.

The groundwater sample was analyzed for both volatile and extractable hydrocarbons using Iowa Test Method OA-1 and OA-2. Attached are copies of the analytical results and chain of custody record. The results showed 2 ug/L of xylene and 100 ug/L of TEH as diesel fuel present in the sample. Using IDNR's Tier 1 Lookup Table, the lowest target levels for xylene is 10,000 ug/L and for TEH as diesel fuel is 1,200 ug/L. Therefore, it would not appear that the groundwater would be considered to be a threat by IDNR.

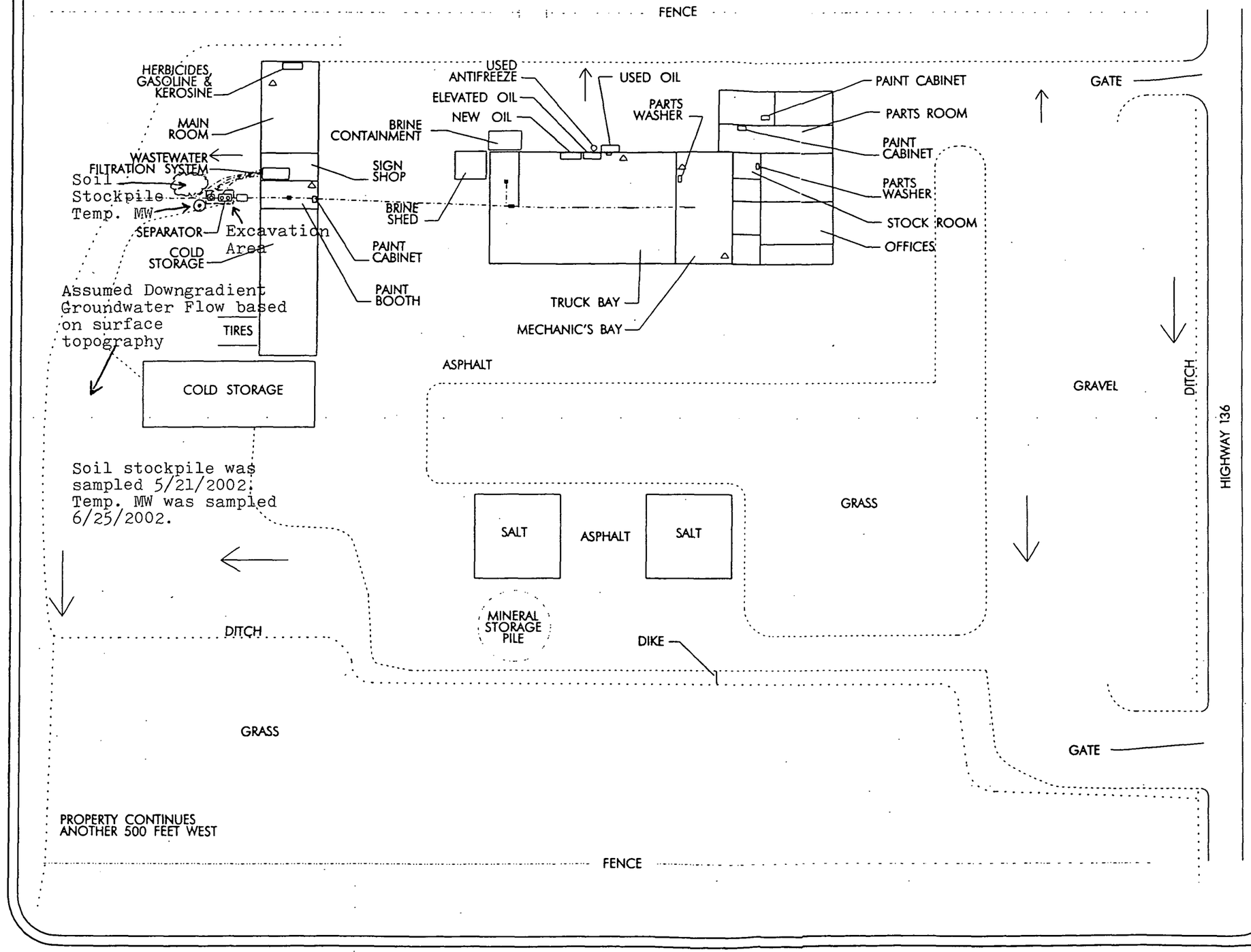
Thank you and if you have any questions or need additional documentation please contact me.

Sincerely,
W. E. Miner Environmental Consultants, Inc.

William E. Miner

William E. Miner

attachments



NORTH

Scale

35 0 70 Feet

Legend:

- ■ Floor Drain
- ● Floor Drain
- △ Spill Kit
- → Inferred Direction of Surface Runoff

Iowa Department of Transportation

Site Map

Figure 1–2

Dyersvillle Maintenance Garage

UPDATED: 04/2002

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

Boring/Well Number: Temp. MW	Facility Name: IDOT Maint. Garage	Facility Street Address: Hwy. 136 North Dyersville, IA
Boring Depth (ft) X Diameter (in): 15' x 6.5"		Drilling Method: HS Augers.with Continuous Sampler
Certified Well Contractor Name: J. Rewerts Certification Number: 40281		Logged By: W. Miner
Ground Surface Elevation (ASL): NA	Top of Casing Elevation (ASL): NA	
Date: 6/25/02 Start Time: 13:30	Date: 6/25/02 End Time: 13:45	UST Number: NA LUST Number: NA

Depth (feet)	Well Construction Details (Flush Cover)	Blow Count if applicable	Sample No.	Sample Type*	Field Screening Results (PID /FID)	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
		N/A	No Soil Samples Were Collected		0.0	Gravel (fill)
						CL – Lean Clay Brown, Firm, Moist
5						
						SP – Sands, poorly sorted Brown, Loose, Wet
9.20' bgs ▼						
10	Plugged w/bentonite after sampling					CL – Lean Clay Olive, Soft, Wet
						Turns Grey
15						Bottom of Boring
	Total Depth: 15'					
20						

* SS (Split Spoon) HS (Hollow Stem Auger)

OBSERVATIONS	Date:	6/25/02					
WATER LEVELS (ASL)	Level:	9.20' bgs					
Static Water Level Symbol ▼	Time:	13:45					

Revised June 1998

DNR FORM 542-1382

Keystone
LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

Accreditations:
Iowa DNR: 095
New Jersey DEP: IA001
Kansas DHE: E-10287

ANALYTICAL REPORT

July 10, 2002

Work Order: 12F0959

Report To	Work Order Information
Bill Miner W.E. Miner Env. Consultants, Inc. P.O. Box 461 Ames, IA 50010	Date Received: 06/26/2002 10:05AM Collector: Miner, W. Phone: 515-232-4957 PO Number:

Project: UST
Project Number: DOT Maint. Garage Dyersville, IA

Analyte	Result		MRL	Method	Analyst	Analyzed	Qualifier
12F0959-01 Temp. MW				Matrix:Water		Collected:06/25/02 13:52	
Benzene	<2	ug/l	2	Iowa OA-1	MJS	06/29/02 14:12	
Toluene	<2	ug/l	2	Iowa OA-1	MJS	06/29/02 14:12	
Ethylbenzene	<2	ug/l	2	Iowa OA-1	MJS	06/29/02 14:12	
Xylenes, total	**2**	**ug/l**	**2**	Iowa OA-1	MJS	06/29/02 14:12	
Surrogate: Chlorobenzene	*92.2 %*			*67-132*	MJS	06/29/02 14:12	
TEH, as gasoline	<0.1	mg/l	0.1	Iowa OA-2	SMG	07/02/02 0:00	
TEH, as #2 diesel fuel	**0.1**	**mg/l**	**0.1**	Iowa OA-2	SMG	07/02/02 0:00	
TEH, as waste oil	<0.1	mg/l	0.1	Iowa OA-2	SMG	07/02/02 0:00	
Total Extractable Hydrocarbons	**0.1**	**mg/l**	**0.1**	Iowa OA-2	SMG	07/02/02 0:00	

End of Report

Jeffrey King

Keystone Laboratories, Inc.
Ericka Weintz
Project 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. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

CHAIN OF CUSTODY RECORD

Keystone LABORATORIES, INC.

☒ 600 E. 17th St. S.
Newton, IA 50208
Phone: 641-792-8451
Fax: 641-792-7989

☐ 3012 Ansborough Ave.
Waterloo, IA 50701
Phone: 319-235-4440
Fax: 319-235-2480

☐ 1304 Adams
Kansas City, KS 66103
Phone: 913-321-7856
Fax: 913-321-7937

PAGE 1 OF 1

PRINT OR TYPE INFORMATION BELOW

SAMPLER: W. Miner
SITE NAME: DOT Maint. Garage
ADDRESS: Hwy. 136 North
CITY/ST/ZIP: Dyersville, IA
PHONE: 515-232-4957

REPORT TO:
NAME: Bill Miner
COMPANY NAME: Miner Env. Cons, Inc.
ADDRESS: PO Box 461
CITY/ST/ZIP: Ames, IA 50010
PHONE: 515-232-4957
FAX:

BILL TO:
NAME: Bill Miner - Same
COMPANY NAME:
ADDRESS:
CITY/ST/ZIP:
PHONE:

Keystone Quote No.: (If Applicable)

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: BTEX (OA-1)	ANALYSES REQUIRED: TEH (OA-2)	LAB USE ONLY: LABORATORY SAMPLE NUMBER
Temp. MW	6-25-02	1350	downgradient well	3	water	G	X	X	01

LAB USE ONLY
LABORATORY WORK ORDER NO.: 121-6959
SAMPLE TEMPERATURE UPON RECEIPT: °C
SAMPLE CONDITION/COMMENTS:

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Turn-Around
W. Miner	6-26-2002 / 10:05			☒ Standard ☐ Rush — Contact Lab Prior to Submission
Relinquished by: (Signature)	Date / Time	Received for Lab by: (Signature)	Date / Time	Remarks
		Bill	6/26/02 / 10:05 A.M.	No chromatograms samples packed nice

Original - Return with Report • Yellow - Lab Copy • Pink - Sampler Copy

FORM: CCR 7-97

W. E. Miner
Environmental Consultants, Inc.

P.O. Box 461
Ames, Iowa 50010
(515) 232-4957

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