



STATE OF IOWA

CHESTER J. CULVER, GOVERNOR
PATTY JUDGE, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
RICHARD A. LEOPOLD, DIRECTOR

March 25, 2008

CON 12-15
Doc #18969

Mr. Dan Shine
Sunoco, Inc. (R&M)
350 Eagle View Boulevard, Suite 300
Exton, PA, 19341

Sunoco, Inc. (R&M), SECOR International, Inc.
Attn: Mr. Jeff Goedtel,
27280 Haggerty Road, Suite C-11,
Farmington Hills, MI 48331

James Marek, CPG
Marek Industries, LLC
9588 NW 74th Place
Grimes, IA 50111

RE: Former Sunray DX Bulk Terminal, 15150 Partridge Ave., Mason City

Gentlemen: response

A revised PVC Water Main Replacement Work Plan for the above-mentioned site was received by the Department on March 17, 2008. The plan was developed and submitted as an attempt to comply with Iowa Tier 1 Standard that sets the benzene concentration in groundwater that may be in contact with a plastic water line at 290 ug/L. The revised plan calls for the replacement of 120 feet of plastic water line with 120 feet of ductile iron but does not call for any further site assessment. The revised plan does provide for the installation of one additional down gradient well (MW-11/12R) in order to replace MW-11 and MW-12 which have been destroyed.

The plan does not provide any means to verify that the 120 foot long section will be sufficient to ensure compliance with the Tier 1 Standard. The Department will approve the revised PVC Water Main Replacement Work Plan with the following provisions. Adequate assessment must be performed to define the extent of detected groundwater contamination down to concentrations that comply with the appropriate Tier 1 Standard. This will require that more information be collected as to the northern and southern extent of the benzene plume. If MW-8 can be located and a groundwater sample collected, it may be used to define the northern extent assuming that the detected benzene concentration is either non-detect or comfortably below the Tier 1 Standard. No monitoring well is located near enough the water main to the south to determine the southern extent of the benzene plume. An additional well will need to be sited south of monitoring well MW-4 and east of monitoring well MW-9. (See attached). If the north monitoring well (MW-8) needs to be replaced, that replacement well, the new south monitoring well, and MW-11/12R will need to be monitored to demonstrate plume stability. Any new wells installed on-site should be finished as permanent wells to insure survivability. All wells currently on-site shall be maintained.

Please contact me at (515) 242-5084 if you have any questions regarding this decision.

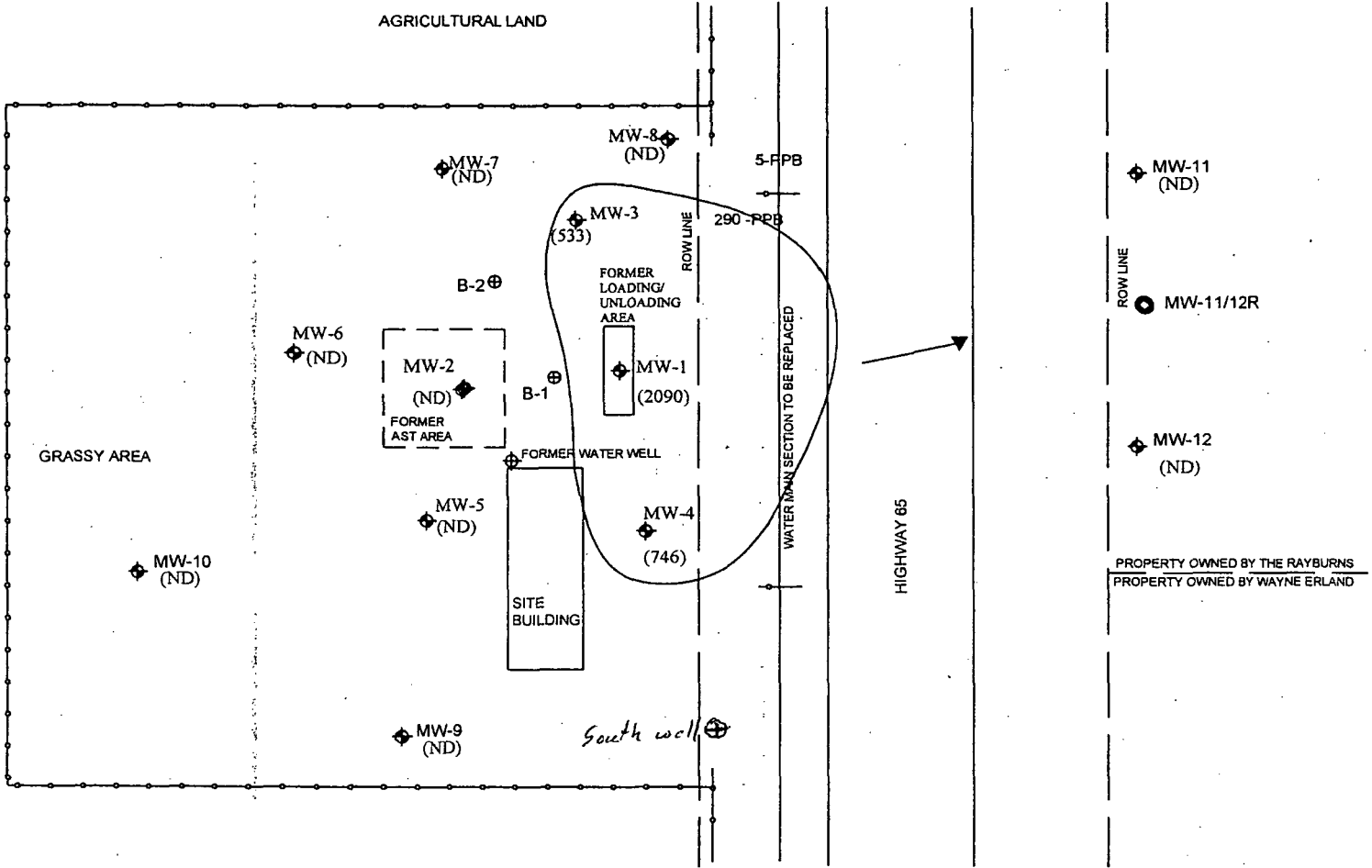
Sincerely,

A handwritten signature in black ink, appearing to read "Hylton Jackson". The signature is fluid and cursive, with the first name "Hylton" written in a larger, more prominent script than the last name "Jackson".

Hylton Jackson, Environmental Specialist-IDNR

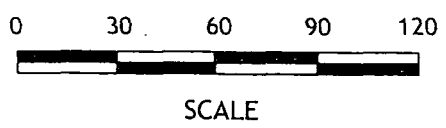
Attachment: Site plan

Cc: Cal Lundberg, Contaminated Sites Supervisor-IDNR
Dennis Alt, Section Supervisor Water Supply Engineering IDNR, 401 SW 7th St,
Suite M, Des Moines, IA 50309-4611
Roy Ney, Water Supply Engineering - IDNR
IDNR Field Office #2
Tricia Sandahl, Planning and Zoning Administrator, City of Mason City, 10 1st St NW, Mason
City, IA 50401
Mark Rahm, Acting City Engineer, City of Mason City, 10 1st St NW, Mason City, IA 50401



Legend

- ◆ MONITORING WELL
- ⊕ FORMER WATER SUPPLY WELL
- SOIL BORING
- PROPOSED MONITORING WELL
- GROUNDWATER FLOW DIRECTION
- 12" PVC MAIN



MAREK INDUSTRIES
 9588 NW 74TH Place
 Grimes, IA 50111

FIGURE 2b

REV. NO.:	DRAWING DATE: 01/15/08	ACAD FILE:
SHEET TITLE: DISSOLVED BENZENE MAP (LATEST DATA SHOWN)		
CLIENT: SUNOCO, INC. (R&M)	FILE: J.M.	
LOCATION: 15150 PARTRIDGE AVENUE MASON CITY	PE/REG:	
DESIGNED:	DETAILED:	PROJECT NO.:
		FIGURE: 2b