

Minnesota Pollution Control Agency

December 17, 1993

Ms. Carla Anderson
Independent School District #761
515 West Bridge Street
Owatonna, Minnesota 55060

RE: Petroleum Tank Release Site Closure
Site: Owatonna Junior High School, 500 15th Street Northeast, Owatonna
Site ID#: LEAK00001565

Dear Ms. Anderson:

The Minnesota Pollution Control Agency (MPCA) staff has determined that the cleanup performed in response to the petroleum tank release at the site referenced above has adequately addressed the petroleum contamination, and therefore the file regarding this release will be closed.

On August 25, 1989, a petroleum tank release was reported to the MPCA. Since then, corrective actions have been taken in response to the release. Additional information was obtained through the file review of tanksites in your school district. The MPCA staff have the following comments:

1. Two petroleum underground storage tanks (USTs) were removed from the property.
 - One 15,000 gallon fuel oil UST
 - One 12,000 gallon fuel oil UST
2. Laboratory analysis of soil samples collected from the base of the completed excavation detected low levels (9.2 parts per million (ppm) and 26 ppm) of petroleum hydrocarbons as fuel oil. In addition, soil samples were analyzed for benzene, ethyl benzene, toluene and xylene (BETX). BETX was not detected at or above the method detection limit of 1.0 ppm. The MPCA staff feel that the results do not pose a threat to public health or the environment. Ground water was not encountered in the excavation.

Based on the currently available information, we concur with the conclusions of your consultant that these actions have adequately addressed the petroleum tank release. Therefore, MPCA staff does not intend to require any more investigation or clean-up work in response to this release. However, the MPCA reserves the right to reopen this file and require additional work if in the future more work is determined to be necessary, and this letter does not release any party from liability for this contamination.

Ms. Carla Anderson
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December 17, 1993

Because you performed the requested work, the state may reimburse you for a major portion of your costs. The Petroleum Tank Release Cleanup Act establishes a fund which in certain circumstances provides partial reimbursement for petroleum tank release clean-up costs. This fund is administered by the Petroleum Tank Release Compensation Board (Petro Board). More specific eligibility rules are available from the Petro Board (612/297-1119 or 612/297-4203).

Thank you for your cooperation with the MPCA in responding to this petroleum tank release to protect the public health and the environment of the state of Minnesota. If you have any questions regarding this correspondence, please call me at 612/297-8611.

Sincerely,



Mark Koplitz
Pollution Control Specialist
Cleanup Unit I
Tanks and Spills Section

MK:vb

cc: Richard Hierstein, Owatonna City Administrator
Jerry Rosendahl, Owatonna Fire Chief
Scott Golberg, Steele County Solid Waste Officer



Minnesota Pollution Control Agency

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

August 5, 1993

Mr. Joe Leverty
Independent School District #761
515 Bridge Street
Owatonna, Minnesota 55060

Dear Mr. Leverty:

RE: Petroleum Storage Tank Release Investigation and Corrective Action
Site: Owatonna Junior High School, 500 15th Street Northeast, Owatonna
Site ID#: LEAK00001565

On August 25, 1989, the Minnesota Pollution Control Agency (MPCA) staff was notified that a release of petroleum occurred from storage tank facilities that you own and/or operate at the site referenced above.

A recent review of our files shows that we have not received Remedial Investigation/Corrective Action Design (RI/CAD) report requested in our February 20, 1990, letter to you. The MPCA staff requests that you take the steps necessary to investigate and clean up the petroleum release and submit an RI/CAD report within 150 days of receipt of this letter. Failure to meet this deadline may result in reduced reimbursement from the Petroleum Tank Release Compensation Account and/or enforcement action taken against you by the MPCA.

Please refer to MPCA fact sheets for information regarding the scope of investigations required at petroleum release sites. The MPCA staff requires that the site investigation fully define the extent and magnitude of soil and ground water contamination caused by the release. We reserve the right to reject proposed corrective actions if the requirements of the site investigation have not been fulfilled.

Mr. Joe Levery
Page 2
August 5, 1993

If you have any questions concerning this letter or need additional information, please call me at 612/297-8576. Please reference the above LEAK # in all correspondence.

Sincerely,

Mark S. Kappeler

for
David Holst
Pollution Control Specialist
Tanks and Spills Section
Hazardous Waste Division

DH:vb

cc: Richard Cox, Institute for Environmental Assessment
Richard Hierstein, Owatonna City Clerk
Scott Goldberg, Steele County Solid Waste Officer
Dave Morrison, MPCA, Rochester Regional Office



Minnesota Pollution Control Agency

520 Lafayette Road, Saint Paul, Minnesota 55155

Telephone (612) 296-6300



February 20, 1990

Mr. Joe Leverty
Independent School District #761
515 Bridge Street
Owatonna, MN 55060

Dear Mr. Leverty

RE: Underground Storage Tank Release, Remedial Investigation
Site: Owatonna Junior High School, 500 15th Street Northeast, Owatonna
Site ID: LEAK00001565

The Minnesota Pollution Control Agency (MPCA) staff have reviewed the Final Report dated August, 1989, for the above-referenced site. Based on the information submitted, it appears that petroleum contaminated soils containing 120 parts per million (ppm) total hydrocarbons as fuel oil were detected at the base of the underground storage tank excavation. These levels are considered significant. Therefore, additional work is necessary to adequately address the scope of the petroleum release at this site. A Remedial Investigation (RI) should be conducted to determine the extent and magnitude of soil and ground water contamination and any existing or potential impacts from the release. The RI for this site should be completed with the final report submitted to the MPCA within 90 days after receipt of this letter. The contents of the RI should address the following technical guidelines:

1. A sufficient number of soil borings should be advanced to depths which adequately define and confirm the vertical and horizontal extent of petroleum contaminated soil.
2. Soil borings should be conducted using the hollow stem auger method with split spoon samples taken at a minimum of 5 foot intervals and at changes in lithology. Soil vapor monitoring logs using an ionization detector properly calibrated for direct reading in ppm volume/volume benzene and geologic logs should be prepared for each borehole. Ground surface elevations are also needed for all borings. Jar Headspace analytical screening techniques should be utilized as specified in the attached guidance sheet.
3. Soil samples should be taken from representative contaminated intervals to determine the degree of contamination and from the last soil sample from total depth to confirm if soils have not been contaminated. The soil samples should be analyzed for the fuel oil parameters as listed in the attached analyses requirements factsheet.
4. All borings which encounter ground water or drill through a confining layer should be properly grouted from the bottom up with neat cement grout.

Mr. Joe Leverty

Page 2

February 20, 1990

5. If any petroleum contamination is found to be present in soils near or in contact with the local water table or bedrock, three steel constructed monitoring wells should be strategically located about the point of release to determine specific aquifer characteristics and represent hydrologic conditions for the site. Additional monitoring wells may be necessary to determine the magnitude and extent of petroleum contaminated ground water.
6. Monitoring wells, if necessary, should be properly developed, sampled and analyzed for the fuel oil parameters listed in the enclosed soil/ground water analysis guidance document. Monitoring wells should be designed and constructed so the well screen intercepts the static ground water elevation at all times. Improperly constructed monitoring wells do not give reliable ground water data and costs for those wells may not be considered towards Petrofund reimbursement.
7. The remedial investigation report should summarize all work conducted at the site and provide the information requested in the Contents of Petroleum Release Corrective Action Report (PTR) and should include at a minimum:
 - A) A brief summary of what work was conducted at the site;
 - B) Procedures used;
 - C) The believed source, quantity, and type(s) of product released;
 - D) The results of the investigation;
 - E) Recommendations for additional work; and
 - F) A detailed site map (to scale) showing the believed source and all significant features of the site, including all monitoring well, soil boring, private well, tile line and basement locations. A site location map (USGS 7.5 minute quadrangle) should also be submitted.
 - G) Appendices to the report should include:
 - 1) Chain of custody forms for all laboratory samples;
 - 2) Copies of the laboratory analytical reports;
 - 3) Geologic and vapor monitoring logs for each boring; and
 - 4) Copies of all permit applications, permits or approvals obtained for the work.
8. If monitoring wells are installed the report should also include:
 - A) Well construction diagrams;
 - B) Geologic and soil vapor monitoring logs for the well boreholes;

Mr. Joe Leverty
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February 20, 1990

- C) Well stabilization forms;
- D) A ground water contour map (to scale); and
- E) A table summarizing the following data and elevations for all ground water monitoring points:
 - 1. Top of riser elevation.
 - 2. Ground surface elevation.
 - 3. Top of well screen elevation.
 - 4. Bottom of well screen elevation.
 - 5. Measured depth to ground water.
 - 6. Ground water and free product (if present) elevation.
 - 7. Free product thickness (if present).

All wells need to be surveyed to the National Geodetic Vertical Datum (NGVD) or relative permanent benchmark which has an established sea level elevation. Note the location and date of the survey point on the table. Minnesota unique water well numbers for all the monitoring wells are required.

If the results of the investigation or other information indicate that the scope of the release has not been adequately identified, the MPCA staff may ask you to design and implement an additional investigation.

If you have any questions or comments please contact me at 612/643-3433.

Sincerely,



David A. Scheer
Pollution Control Specialist, Senior
Tanks and Spills Section
Hazardous Waste Division

DAS:mk

Enclosures



Minnesota Pollution Control Agency

520 Lafayette Road, Saint Paul, Minnesota 55155
Telephone (612) 296-6300



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

October 22, 1989

Mr. Joe Leverty
Owatonna Public School District 761
515 West Bridge Street
Owatonna, Minnesota 55060

Dear Mr. Leverty:

RE: Petroleum Storage Tank Release Investigation and Corrective Action
Site: Owatonna Junior High School
500 15th Street Northeast
Owatonna, Minnesota 55060
Site ID#: LEAK00001565

The Minnesota Pollution Control Agency (MPCA) has received notification that a release of petroleum has occurred from storage tank facilities which the Owatonna Public School District owns and/or operates. The first report of the release was made to MPCA staff on August 25, 1989.

Federal and state laws require that persons legally responsible for storage tank releases notify the MPCA of the release, investigate the extent of the release and take actions needed to ensure that the release is cleaned up. A person is generally considered legally responsible for a tank release if the person owned or operated the tank either during or after the release.

We are aware that an initial investigation of the site has occurred and two underground tanks containing fuel oil have been removed. Petroleum contaminated soils have been discovered and corrective action is incomplete. The MPCA staff is therefore requesting you to take the necessary steps to investigate and clean up the release in accordance with the enclosed "Petroleum Tank Release Investigation Report." To do this it is recommended that a qualified consulting firm be hired who has experience in conducting petroleum release site investigations and corrective actions.

If you do perform the requested work, the state may reimburse you for a major portion of your costs. The Petroleum Tank Release Cleanup Act establishes a fund which in certain circumstances provides partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Petroleum Tank Release Compensation Board (Petro Board). More specific eligibility rules are available from the Petro Board (612/297-4017).

Please respond to this letter either in writing or by telephone within 30 days after receipt of this letter. Your response should indicate whether or not you

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Mr. Joe Leverty
Page 2

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intend to proceed with the necessary corrective action, whom you have chosen to do the work and a schedule for implementation. Use of the Site ID number will facilitate quick processing.

If you do not respond within 30 days, MPCA staff will assume you do not intend to comply with this request. In this event, the MPCA Commissioner may order you to take corrective action. If not complied with, the Commissioner's order could be enforced in court or, alternatively, the MPCA could spend its own money cleaning up the release and then seek to recover its costs from responsible persons through legal action. Failure to cooperate with the MPCA in a timely manner may also result in reduced reimbursement from the Petro Board.

If you conclude that the release in question is not from any tank which the Owatonna Public School District has owned or operated, please notify the MPCA immediately and explain the basis of your conclusion. In addition, please notify me within 24 hours of discovery of free floating petroleum product on the surface of the ground water, and notify me three days before removing any tanks.

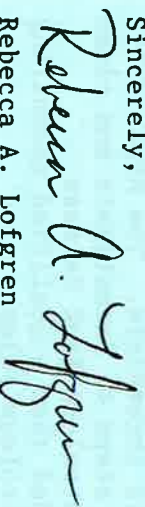
The following fact sheets have been enclosed for your review:

- Minnesota Storage Tank Program
- Chapter 115C
- Sampling Requirements During Tank Closure
- Petroleum Tank Release Investigation Report
- Land Application of Petroleum Contaminated Soil
- Asphalt Plant Soil Treatment Approval
- Six Steps to a Petroleum Tank Cleanup

Please feel free to contact me at any time you need information or assistance in these matters. My telephone number is 612/296-3609.

Thank you.

Sincerely,


Rebecca A. Lofgren

Project Leader
Tanks and Spills Section
Hazardous Waste Division

RAL:kra

Enclosures

cc: Richard Hierstein, City Administrator, Owatonna
Jerry Rosenthal, Fire Chief, Owatonna

+-----+
| MPCA Leaksite Remarks Screen | Leak ID: 1565
+-----+

8/25/89	Release reported
10/22/89	Standard letter sent
1/29/90	Rec'd excavation report
2/20/90	Sent letter requiring RI
08/05/93:	TSL-Mailed Wake Up letter requesting RI/CAD.
12/03/93-	MEK- file review- call to Carla Anderson; contact for RP;
12/17/93	KMD-Mailed site closure letter.
08/01/96	File archived. EME

+-----+
Rpt Trkng(F11) Restore(F12) Save(F10) Quit(PF3) >

RA-7

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
WISCONSIN POLLUTION CONTROL AGENCY
TANKS AND SPILLS SECTION
ABOVE/BELOW GROUND RELEASE REPORT

4/89

Report taken by: W. J. HANAS Date/time occurred: 8-25-89
Date/time of report: 8/25/89 4:30P Date/time discovered: 8-25-89

CALLER* name: CHRIS LYBERG INSTALLATION* name: OWATONA JUNIOR HIGH SCH
phone: 427-7870 street: 500 15TH ST. NE.
relationship to site: city, zip: OWATONA 55060
INST. FOR ENV. ASSESSMENTS STEEL

MATERIAL RELEASED/AMOUNT* LEAK # Leak 00001565
STATE MINN or FEDERAL NO
EMERGENCY DECLARED? YES RP NO FF

SITUATION (HOW/WHY) UST
2 TANKS - 15,000, 12,000
ACTIVITIES TO DATE (circle)*
tank removed, size 8' 74', contents FO
soil borings above ground/below ground
digging, why? contamination detected
odor, instrument, analysis
soil excavated
stockpiled properly
disposed arranged
samples collected
other (specify)

VAPOR/ WATER/ OTHER
SITE INVESTIGATION - NO BUT NEEDED
CORRECTIVE ACTION - NO BUT NEEDED
ENFORCEMENT - NO YES (documented)
SITE OWNER/RESPONSIBLE PARTY*
name: OWATONA PUB SCH DIST 761
street: 515-W. BRIDGE ST.
city, zip: OWATONA 55060
contact person: JOE LEVERTY
phone: 507-451-9513

SITE OPERATOR*
name: _____
street: _____
city, zip: _____
contact person: _____
phone: _____

CONTACTS
Local Fire/Police _____
Local Officials _____
Emergency Services _____
MPCA Region _____
MDA _____
MDOT _____
Other _____
ADDITIONAL INFO - continue on back

~~RELEASE -REPORT -ADDITIONAL -INFORMATION~~

12-17-93
 Hopkin
 Lot 96/307
 BIN-38

MINNESOTA POLLUTION CONTROL AGENCY
 COMMISSIONER'S SITE REPORT
 TO THE PETROLEUM TANK RELEASE
 COMPENSATION BOARD

SITE ID#	RELEASE SITE	APPLICANT	REGION
LEAK00001554	Owatonna High School	ISD #761	5
LEAK00001565	Owatonna Jr. High	ISD #761	5
LEAK00001689	McKinley Elementary School	ISD #761	5
LEAK00001691	Washington Elem. School	ISD #761	5
LEAK00006126	Hibbing Taconite - Mine Svc.	Hibbing Taconite Company	1
LEAK00007456	Hibbing Taconite - Crusher & Agglomerator	Hibbing Taconite Company	1
LEAK00010814	Mtka. Oper. & Maint. Garage	City of Minnetonka	Metro
LEAK00014915	Greenway Coop Svc. Co.	Greenway Coop Svc. Co.	5
LEAK00014927	Mid Valley Grain Company	Mid Valley Grain Company	3
LEAK00015205	Consumer Svc. Oil	Interstate Energy, LLC	N

1. Eligibility Determination

I hereby determine that the corrective action described in the application was appropriate in terms of protecting public health, welfare, and the environment and that the applicant is eligible for Petrofund reimbursement, pursuant to Minn. Stat. § 115C.09, subd. 2, items (a) and (c) (2000).

2. Compliance with Applicable Requirements: **ADEQUATE**

Information readily available to the Minnesota Pollution Control Agency staff shows that the applicant has complied with the applicable requirements of Laws 1999, Chapter 203, section 2, to be coded as Minnesota Statutes Section 115C.09, subdivision 3(i)(2000).

The determinations in this report are made solely for the purpose of determining eligibility for reimbursement under Minn. Stat. § 115C.09, subd. 2 (2000) and Laws 1999, Chapter 203, section 2, to be coded as Minnesota Statutes Section 115C.09, subdivision 3(i)(2000). Nothing in this site report releases any person from liability, and the Minnesota Pollution Control Agency does not waive any of its authority to require additional corrective action at the above-referenced site or to enforce other provisions of state law.

Dated: 6-24-03

Richard Newquist

Richard Newquist, Supervisor
 Petroleum Remediation Program
 Majors and Remediation Division

Petroleum Tank Release Compliance Checklist

(USE THE FOLLOWING GUIDELINES TO DETERMINE IF THE LEAKING TANK IS IN COMPLIANCE)

SITE NAME Watsona Jr. High LEAK000 1565

 UNREGULATED TANK(S).....[USTs 110 gallons or less; OR ASTs 500 gallons or less; OR ASTs between 500 – 1,100 gallons if they are greater than 500 feet from surface water; OR residential (for non-commercial purposes) and heating oil ASTs/USTs 1,100 gallons or less; OR farm USTs 1,100 gallons or less; OR any farm AST, regardless of size if used for farming purposes; OR ASTs that are on site for less than 30 days (regardless of size)]

STATE REGULATED TANKS.....[heating oil USTs with a capacity more than 1,100 gallons OR all ASTs not specified above]

 FEDERALLY REGULATED TANKS.....[all USTs not specified above]

STATUS OF RESPONSIBLE PARTY: Regular Applicant Limited Use Applicant

UNREGULATED TANKS, STATE TANKS, FEDERAL TANKS

Release Notification: Date release discovered: 8/25/89 Date release reported: 8/25/89

When/how was release discovered?

Was there environmental damage due to delay? Yes No

Adequate Inadequate Recommend Reduction? Yes No

Comments:

Cooperation Issues: Yes No (If Yes, please prepare a narrative to be appended to the CSR).

STATE TANKS, FEDERAL TANKS

Corrosion Protection: Tanks: Yes No N/A Piping: Yes No N/A
Applicable for steel piping/steel USTs installed on or after 8/1/85. Steel piping/steel USTs installed before 8/1/85 require corrosion protection no later than 12/22/98. Heating oil USTs installed before 8/1/85 don't ever require corrosion protection. ASTs do not require corrosion protection. VIOLATIONS WHICH OCCURRED BEFORE 12/22/98 SHOULD BE CITED AS INADEQUATE BUT NOT RECOMMENDED FOR REDUCTION.

Adequate Inadequate Recommend Reduction? Yes No

AST Secondary Yes No N/A
Containment: Applicable only for dikes or other structures that would contain a spill as required by Minn. R. 7151.6400, subp. 1B (Supp. 1998). Does not apply to impervious liners or other AST safeguards. VIOLATION WHICH OCCURRED PRIOR TO 11/1/98 SHOULD BE CITED AS INADEQUATE BUT NOT RECOMMENDED FOR REDUCTION.

Adequate Inadequate Recommend Reduction? Yes No

FEDERAL TANKS

Spill Prevention: Yes _____ No _____ N/A _____

Applicable for USTs installed on or after 12/22/88. USTs installed before 12/22/88 require spill prevention by 12/22/98. VIOLATIONS WHICH OCCURRED PRIOR TO 12/22/98 SHOULD BE CITED AS INADEQUATE BUT NOT RECOMMENDED FOR REDUCTION.

_____ Adequate _____ Inadequate Recommend Reduction? Yes _____ No _____

Overfill Protection: Yes _____ No _____ N/A _____

Applicable for USTs installed on or after 12/22/88. USTs installed before 12/22/88 require spill protection by 12/22/98. VIOLATIONS WHICH OCCURRED PRIOR TO 12/22/98 SHOULD BE CITED AS INADEQUATE BUT NOT RECOMMENDED FOR REDUCTION.

_____ Adequate _____ Inadequate Recommend Reduction? Yes _____ No _____

Leak Detection: TANKS: Tank Leak Detection:

Yes _____ No _____ N/A _____

Tank Tightness Testing Yes _____ No _____ N/A _____

If tank was installed:

Then the leaks detection deadline is:

- before 1965 or unknown 12/22/89
- 1965-1969 12/22/90
- 1970-1974 12/22/91
- 1975-1979 12/22/92
- 1980-12/22/88 12/22/93

(Tanks installed after 12/22/88 should have leak detection at installation)

PIPING: Pipe leak detection: Yes _____ No _____ N/A _____

Pipe tightness testing: Yes _____ No _____ N/A _____

(Applicable for pressurized piping installed after 12/22/88. Pressurized piping installed before 12/22/88 must have leak detection by 12/22/90.)

VIOLATIONS WHICH OCCURRED BEFORE 12/22/93 SHOULD BE CITED AS INADEQUATE BUT NOT RECOMMENDED FOR REDUCTION.

Audit Program: Has the RP entered the audit program? Yes _____ No _____

If yes, evaluate further to determine if reductions should be waived (for tank violations only). The only time consideration will be given for waiving the tank system violations is when there is **documented** enrollment in the audit program **before** discovering a release at the site.

_____ Adequate _____ Inadequate Recommend Reduction? Yes _____ No _____

Completed by: JME

Date: 6-18-03

DO NOT STAPLE OR BIND APPLICATION MATERIALS — CLIP OR NUMBER BAND ONLY

OFFICE USE ONLY
LEAK # 1565 PHASE 2
ENTERED 6-2-03 Mgr

MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD
APPLICATION FOR REIMBURSEMENT

I. APPLICANT INFORMATION

Name Owatonna Independent School District No. 761

Mailing Address 515 Bridge Street

City Owatonna State MN Zip 55060

E-mail Address dihlrke@owatonna.k12.mn.us

Contact Person (if different from above "Name") Dave Ihrke

Day Phone (507) 444-8606 Ext _____ Fax (507) 444-8699

Check One

Responsible Person Volunteer Other (see Application Guide)

Check One

Corporation Partnership Individual Municipality State, federal, or other public agency

1950's to 8/25/89 Dates applicant owned or operated tank(s) [complete if "Responsible Person" box is checked]

/ / to / / Dates applicant owned property [complete if "Volunteer" box is checked]

State of Minnesota
MAY 29 2003
State of Commerce

II. LEAK SITE INFORMATION

MPCA Leak Number 1565 MPCA Project Manager Mark Koplitz

Tank Facility Name Owatonna Junior High School

Address 500 15th Street Northeast

City Owatonna MN Zip 55060

Day Phone N/A Ext _____

8/25/89 Date petroleum leak detected

8/25/89 Date petroleum leak reported to the MPCA

_____ cubic yards Total amount of contaminated soil excavated at this site closed 12-17-93

III. ASSIGNMENT AGREEMENT (if applicable)

If you have executed an assignment agreement for this application, list the assignee(s) below and attach the original assignment form(s).
Not applicable

This application is effective JULY 1, 2002 – JUNE 30, 2003

RECEIVED

JUN 10 2003

MPCA, MAR Division
PR/SS Section

IV. APPLICATION PHASE

Check the appropriate box and complete the information requested for the box checked (see Application Guide for further information)

- Phase 1 Soil Corrective Action Costs or Remedial Investigation Costs
Date of MPC/A soil treatment letter (attach copy) / /
- Phase 2 Installation Costs of MPC/A-approved Soil or Groundwater Comprehensive Corrective Action Design System (CAD) or Groundwater Monitoring and System Maintenance Costs
Date of CAD approval letter (attach copy) / /
Date of MPC/A site closure letter (attach copy) 12/17/93

V. SOURCE AND CAUSE

What was the source and cause of the petroleum release at this site? (see Application Guide) The UST piping _____

How was the release discovered? During the UST removal _____

If the release was not reported to the MPC/A within 24 hours of discovery, state the reason why. N/A _____

To the best of your knowledge, list all persons other than the applicant who were owners or operators of the tank during or after the petroleum release. N/A _____

- Yes No Did any of the persons listed above incur corrective action costs related to this petroleum release?
If yes, list name(s) and address(es) if known. _____

VI. COMPETITIVE BIDDING

List all of the written bids and proposals that you obtained for corrective action services at this site (attach additional sheets if necessary). Attach copies of all signed and dated bids and proposals.

	Bidder Selected*	Name	Amount of Bid	Date of Bid	Task
Consultants	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Contractors	<input type="checkbox"/>	N/A			
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				

*If the lowest bid or proposal was not selected, explain that decision on a separate sheet.

VII. MPCA TANK INFORMATION AND COMPLIANCE

Yes No Have you submitted an underground storage tank audit?

Underground Storage Tanks

Enter the requested information for (a) all underground petroleum storage tanks and piping that were in place at this site at the time the release was discovered, and (b) all underground petroleum storage tanks that have been installed at this site since the release was discovered (attach additional sheets if necessary). Refer to the MPCA documents "Do Underground since the release was discovered (attach additional sheets if necessary). Refer to the MPCA documents "Do Underground Storage Tank and Piping Requirements Apply to Your Petroleum Tank?" and "What Do You Have to Do?/When Do You Have to Act?" to determine the applicability of leak detection, corrosion protection, and spill/overfill protection requirements. If you are unsure how tank rules apply to your tanks, please call the UST Compliance and Assistance Unit at (651) 297-8679 and tell the receptionist that you have questions about this form.

Tank #	Petroleum Product	Capacity	Tank Material	Date Installed	Date Removed (if applicable)
1	Fuel Oil	15,000	Steel	Unknown	8/25/90
2	Fuel Oil	12,000	Steel	Unknown	8/25/90
3					
4					
5					
6					
7					

Tank #	Tank Leak Detection (select method below)	Tank Corrosion Protection (select method below)	Spill Bucket (Yes/No)	Overfill Protection (select method below)
1	1	1	No	1
2	1	1	No	1
3				
4				
5				
6				
7				

Leak detection method (select all that apply)	Corrosion protection method	Overfill protection method
<ol style="list-style-type: none"> None Inventory control plus annual tightness testing Inventory control plus tightness testing every 5 years Manual tank gauging Manual tank gauging plus annual tightness testing Manual tank gauging plus tightness testing every 5 years Statistical inventory reconciliation (SIR) Automatic tank gauging Interstitial monitoring Vapor monitoring Ground water monitoring Other (specify): _____ 	<ol style="list-style-type: none"> None Fiberglass, jacketed steel or composite tank STI-P 3 tank Anodes installed Impressed current system Lined tank Other (specify): _____ 	<ol style="list-style-type: none"> None Ball float valve Automatic shutoff Audible alarm Other (specify): _____

If tank tightness tests were performed, indicate dates of all tests. _____

VIII. ELIGIBLE COSTS

8/25/89 to 8/29/89 Dates of work covered by invoices submitted with this application

- Yes No Does this application contain costs listed as ineligible under Minn. Rule 2890.0071? (see *Application Guide*)
- Yes No Are any of the costs included in this application in dispute? If so, describe the disputed issue(s) on a separate sheet.
- Yes No Are any of the costs included with this application subject to bankruptcy proceedings? If so, please describe the nature of the proceedings on a separate sheet.
- Yes No Has the applicant filed a lawsuit or made a claim against any third party for costs for which the applicant is seeking reimbursement or for any costs associated with this release? If so, attach a separate sheet identifying all third parties and provide copies of all correspondence between the applicant and third parties.
- Yes No Is the applicant aware of any action the applicant committed or of any action committed by a consultant or contractor which may have caused or aggravated the contamination at this site? If so, please explain.

Yes No Are ongoing corrective action costs expected at this site? If so, explain briefly below.

Type of Work

Approximate Cost

_____	\$ _____
_____	\$ _____
_____	\$ _____

Please provide a chronological description (including dates) of the clean-up activities covered on this application (attach additional sheets if necessary).

Contaminated soil removal

☞ Attach a copy of a site map that shows the former tank basin, the excavation area, and any on-site structures. If new tanks were installed, the map also should show their sizes and location(s). The site map should also identify the location of any soil borings and monitoring wells on the property.

IX. INSURANCE

- A. Yes No Did the applicant have in effect one or more insurance policies at the time of the release?
If "No," skip to question D. If "Yes," proceed to the next question.
- B. Yes No Was a claim filed for coverage of any of the costs for which the applicant is seeking reimbursement in this application? If "Yes," skip to question C.
If "No," please explain why no claim was filed. _____
_____ (Skip to question D.)
- C. Yes No Did the insurer agree to cover your claim?
If "Yes":
 - State the amount of benefits received (or to be received). \$ _____
 - Provide a copy of the insurance policy and the insurer's explanation of benefits.
If "No":
 - Provide a copy of the insurance policy and the insurer's letter explaining the reasons for denying your claim.
- D. Yes No Is the applicant aware of any other insurance policy, whether held by the applicant or another person, that could cover any of the eligible costs in this application? If so, please explain. _____

X. CONSULTANTS/CONTRACTORS

Complete the following for ALL contractors, subcontractors, consultants, engineering firms, or others who performed corrective actions at this site and whose work is covered by invoices included in this application (see *Application Guide*).

Landfarm/Compost Site or Thermal Treatment Facility

# _____	Petrofund Registration Number	County	_____
Name of individual or firm _____			
Mailing Address _____			
Contact Person	_____	Phone	_____
		City	_____
		State	_____
		Zip	_____
E-mail Address _____			

Consultants/Contractors (ATTACH ADDITIONAL PAGES IF NECESSARY)

# _____	Petrofund Registration Number		
Name of individual or firm <u>B&H Petroleum Equipment Company</u>			
Mailing Address <u>230 South Victory Drive</u>			
		<u>Mankato</u>	<u>MN</u>
		City	State
Contact Person	_____	Phone <u>(507) 387-5629</u>	_____
		City	State
		Zip	<u>56001</u>
E-mail Address _____			

# _____	Petrofund Registration Number		
Name of individual or firm _____			
Mailing Address _____			
Contact Person	_____	Phone _____	_____
		City	State
		Zip	_____
E-mail Address _____			

# _____	Petrofund Registration Number		
Name of individual or firm _____			
Mailing Address _____			
Contact Person	_____	Phone _____	_____
		City	State
		Zip	_____
E-mail Address _____			

# _____	Petrofund Registration Number		
Name of individual or firm _____			
Mailing Address _____			
Contact Person	_____	Phone _____	_____
		City	State
		Zip	_____
E-mail Address _____			

XI. ATTACHMENTS

The following attachments are included with this application (see *Application Guide*):

Either A or B must be included.

Check any that apply.

- Attachment A Standardized Invoice Summary
- Attachment B Itemized Cost Worksheet
- Agricultural Storage Tank Removal attachment
- Railroad Right-of-Way Bulk Plant attachment
- Small Business Owner attachment
- Small Gasoline Retailer attachment

XII. CERTIFICATION PAGE* (see Application Guide)

APPLICANT SIGNATURE and NOTARIZATION (SIGNATURE AND NOTARIZATION REQUIRED)

If information contained in this application changes in any material way after this application is submitted to the Petrofund, I will immediately notify the Petrofund in writing of those changes.

I understand that the information used to support this application is subject to audit by the Minnesota Pollution Control Agency and the Minnesota Department of Commerce.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

I certify that if I have submitted invoices for costs that I have incurred but that remain unpaid, I will pay these invoices within 30 days of receipt of reimbursement from the Board. I understand that if I fail to do so, the Board may demand return of all or any portion of reimbursement paid to me and that if I fail to comply with the Board's demand, then the Board may recover the reimbursement, plus administrative and legal expenses in a civil action in District Court. I understand that I may also be subject to a civil penalty.

I further certify that I am authorized to sign and submit this application on behalf of Owatonna School District No. 761
Corporation / Partnership / Municipality / Public Agency

Signature *Dave Burke* NOTARIZATION
Subscribed and sworn to before me this 23 day

Name (print/type) Dave Burke of May, 2003

Title Dir. of Business Operations / Accounting Notary Public Cindy Swenson

Date Signed 5-23-03
 My Commission expires Jan 31, 2005

CONSULTANT SIGNATURE (SIGNATURE REQUIRED)†

I, Not applicable, confirm that all costs claimed by _____ as a part of this
(Individual name) (Consultant company)
application are a true and accurate account of services performed. I further confirm that no costs included in this application that were invoiced by my consulting company are ineligible as listed in Minn. Rule 2890.0071.

Consultant Signature _____ Title _____ Date _____

†Duplicate this section if more than one consultant signature is required.

APPLICATION PREPARER'S SIGNATURE (SIGNATURE REQUIRED)

Michael Griffith
(Preparer's name) 5/27/03
Preparer's Signature _____ Title _____ Date _____

*NOTE: SUBMIT CERTIFICATION PAGE CONTAINING ORIGINAL SIGNATURES.

Please send this application and accompanying documents to:

MINNESOTA DEPARTMENT OF COMMERCE - PETROFUND
85 SEVENTH PLACE EAST, SUITE 500
ST. PAUL, MN 55101-2198
(651) 297-1119 / (651) 297-4203 / 800-638-0418

This application is effective JULY 1, 2002 - JUNE 30, 2003

ATTACHMENT B ITEMIZED COST WORKSHEETS

Please note: *This form should not be used if you entered into a contract on or after October 6, 1995.*

This attachment must accompany your application if you entered into a contract on or before October 5, 1995 and the costs you are submitting for reimbursement have not been invoiced to you on the standardized invoice forms prescribed by the Petrofund Board. **If you entered into a contract on or after October 6, 1995, you must submit Attachment A with your application.**

Enter the total of each itemized cost worksheet on the corresponding line in the box below. Add these numbers together, subtract the amount of insurance reimbursement you have received, and multiply the resulting total by the appropriate reimbursement rate.

ITEMIZED COST WORKSHEET SUMMARY																				
A \$ _____	B \$ _____	C \$174.00	D \$ _____	E \$ _____	F \$ _____															
G \$ _____	H \$ _____	I \$153.54	J \$ _____	K \$ _____																
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">TOTAL ELIGIBLE COSTS</td> <td style="width: 10%;"></td> <td style="width: 60%; text-align: right;">\$327.54</td> </tr> <tr> <td style="padding-left: 20px;">Insurance Reimbursement (subtract) -</td> <td></td> <td style="text-align: right;">\$(0.00)</td> </tr> <tr> <td></td> <td style="text-align: center;">=</td> <td style="text-align: right;">\$327.54</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">x 90%*</td> </tr> <tr> <td style="padding-left: 20px;">TOTAL REIMBURSEMENT REQUEST</td> <td style="text-align: center;">=</td> <td style="text-align: right;">\$294.79</td> </tr> </table>						TOTAL ELIGIBLE COSTS		\$327.54	Insurance Reimbursement (subtract) -		\$(0.00)		=	\$327.54			x 90%*	TOTAL REIMBURSEMENT REQUEST	=	\$294.79
TOTAL ELIGIBLE COSTS		\$327.54																		
Insurance Reimbursement (subtract) -		\$(0.00)																		
	=	\$327.54																		
		x 90%*																		
TOTAL REIMBURSEMENT REQUEST	=	\$294.79																		

* If a different reimbursement rate applies, calculate at that rate. See Application Guide.

Please note the following before completing the eligible cost worksheets:

- ▶ Invoices must be submitted for each cost listed on the itemized cost worksheets.
- ▶ In the "Description" column, enter a word or phrase that specifically describes the work performed. Employee titles alone will not suffice.

RECEIVED

JAN 29 1989

MPCA, HAZARDOUS
WASTE DIVISION

- FINAL REPORT -

**OWATONNA PUBLIC SCHOOLS
515 W Bridge Street
Owatonna, MN 55060**

UNDERGROUND STORAGE TANK REMOVAL

August 1989

SCOPE

The Institute for Environmental Assessment (IEA) was contacted to design specifications and conduct monitoring of underground storage tank removal for the Owatonna Public Schools, District 761. Duration of the project ranged from August 9, 1989 to August 24, 1989.

The project required the removal of ten (10) separate underground storage tanks (U.S.T.) located at six (6) sites throughout the School District. In each case, the U.S.T. in question had contained Number 2 Heating/Fuel Oil, which was removed and the tank purged of harmful vapors with CO₂, before excavation commenced.

Excavation was conducted by B & H Petroleum Equipment Company, of Mankato, Minnesota, to whom ownership of the tanks was transferred prior to disposal.

The six (6) sites were excavated as follows:

- | | | |
|---|------------------|-------------------|
| 1 1) Owatonna High School <i>DAS</i> | Three (3) Tanks: | 2 - 12,000 gallon |
| 333 East School Street | | 1 - 10,000 gallon |
| 2 2) Wilson Elementary School | One (1) Tank | 10,000 gallon |
| 325 Meadow Lane | | |
| 3 3) Washington Elementary School <i>DAS</i> | One (1) Tank | 12,000 gallon |
| 338 East Main Street | | |
| 4) Lincoln Elementary School <i>DAS</i> | One (1) Tank | 10,000 gallon |
| 747 Havannah Road | | |

5) McKinley Elementary School ^{DAC}
423 - 14th Street NE Two (2) Tanks 1 - 5,000 gallon
1 - 12,000 gallon

6) Owatonna Junior High School ^{DAC}
500 - 15th Street NE Two (2) Tanks 1 - 15,000 gallon
1 - 12,000 gallon.

A representative of IEA was present on-site during all tank removals. Verbal permission to continue the project was granted by an Inspector from Owatonna Fire Department, after inspection of first excavation site. The Supervisor of Buildings and Grounds, Joe Levery, provided coordination for the School District. All excavations were closed by using clean fill and sand delivered from off site.

PROCEDURE

Following the purging of vapors from each tank, the top soil was removed to determine the tank orientation. Each tank removed was monitored closely to make certain no ruptures existed or occurred. All piping was disconnected and abandoned in place or removed entirely. The soil removed from the excavation was piled in order of progression of digging, and periodically tested for the presence of hydrocarbon vapors with an organic vapor analyzer (O.V.A.). The O.V.A. was used strictly in a qualitative sampling capacity, while the quantitative soil samples requiring chemical analysis, were collected and delivered to Braun Laboratories of Minneapolis. The Minnesota Pollution Control Agency's (M.P.C.A.) soil sampling format was used for each excavation. One soil sample was collected from each end of the basin and on from the side of the excavation by the filler tube area, for a total of three (3) soil samples for each tank removed.

Each tank rested on a concrete pad secured by steel straps or cables. The straps were removed and the pad remained in place in each case.

ANALYSIS

The samples were each analyzed for Benzene, Ethylbenzene, Toluene, Xylene, Total Hydro-Carbons as gasoline, and Total Hydro-Carbons as fuel oil as recommended by the M.P.C.A. (See Appendix D).

REMOVAL

Site Number One: *Owatonna High School*

Tanks were designated one to three (Map One, Appendix A), both one and two were 12,000 gallon tanks, installed in 1972 and 1975 respectively, set in clay and sandy soil matrix. Upon excavation, petroleum fumes were evident in the site. Measurements

made with an O.V.A. confirmed this. The tanks were removed and soil samples 1A - 2C were collected from the basin. Water had immediately begun to accumulate in the basin, apparently from a drain off tile running from the athletic field area. A small amount of contaminated soil was evident, but it appears to have been pre-existing in the clay layer. There were verbal reports from the Senior High School Maintenance Staff members, of old fuel oil tanks previously at the same site. It is likely the product-contaminated soil remained from that time, as no leaks of current tanks or piping were evident. The two (2) tanks removed from the High School site were visually sound with a light coating of corrosion in places.

As the excavation remained open for five (5) days, until test results were received, the accumulated water which remained, showed traces of petroleum product which were observed on the surface of the water. Oil blotters were applied and the excavation gradually filled until approximately six (6) feet was left open at the edge. Emulsifier was added to the remaining water and a representative of the City Water Treatment Facility was called to the site to verify whether the water was fit to be sewerred and treated at their facility. Permission was granted and the water was pumped into the sanitary sewer system. Once completed, the excavation was closed and packed. Estimate less than 1,000 gallons of water was sewerred for treatment.

The High School site contained a third tank closer to the building and smaller than the other two tanks. This tank was discovered to be siting perpendicularly to and under the foundation of a storage garage. Arrangements had to be made to move the garage before excavation could begin. Work was suspended at the High School site until such arrangements could be made.

It was at this point in the project that the storage garage at the High School site was moved off its foundation to permit access to the tank number three remaining in the ground there. The tank was removed intact. Excavation appeared clean as detected by O.V.A.. Concrete from the foundation slab was replaced into basin to be used as fill. As with tank basins one and two, small amounts of water had seeped into the basin. No apparent product or sheen on the surface. Site was closed with sand and clean fill.

Site Number Two: *Wilson Elementary School*

Contained one 10,000 gallon tank installed in 1969. Approximately 300 gallons of heating/fuel oil had to be pumped out before purging and excavating could begin. The tank was successfully removed with very little corrosion evident. The tank appeared tight with no observable or apparent leaks or vapors in the basin. Confirmed by qualitative reading from the O.V.A.. Samples were collected and the excavation was closed. This tank was designated number four.

Site Number Three: *Washington Elementary School*

Contained one 12,000 gallon U.S.T. installed in 1976 and designated as tank number five. The tank was removed successfully with no observable releases, although the tank sustained one small rupture during removal. Approximately seven (7) truck loads of contaminated soil were removed to be stock piled. Soil contamination was pre-existing, caused by the spillage and/or overflow; no release is attributed to tank removal operations.

Site Number Four: *Lincoln Elementary School*

Contained one 10,000 gallon U.S.T. installed in 1959. To complicate matters, the U.S.T. sat partially underneath the sidewalk and partially under the parking lot. This U.S.T. was designated as tank number six. The tank was successfully removed with no apparent breaches or leaking. Contaminated soil was discovered. This was a consequence of the piping from the remote fill tube leaking product into the surrounding soil/clay matrix. Excavation was expanded as far as possible in an attempt to clean up "hot spots" recorded on the O.V.A. Approximately six (6) truck loads of contaminated soil were transported to the farm site, owned by Owatonna School District for stock piling. Samples 6A - 6C were collected and the basin closed with clean fill and sand.

Site Number Five: *McKinley Elementary School*

Site contained two (2) U.S.T.. One tank was a 5000 gallon U.S.T. designated as tank number seven, installed in 1956. The other tank was a 12,000 gallon tank installed in 1973. Both U.S.T.'s were under the parking area. Tank number seven was removed first after purging. Approximately eighteen (18) inches of concrete had to be broken through to reach soil. The tank was successfully removed with trace amounts of product-contaminated soil in the basin. The tank appeared tight. The contamination could have resulted from the fittings on the fill-tube loosening due to age and expansion and contraction of the ground due to weather. Approximately three (3) truck loads of contaminated soil were removed to the stock pile.

Removal of tank number eight (second of two at the McKinley site) was completed successfully. While the tank was sitting in the parking lot, awaiting loading onto the truck, a rust pit gave way and leaked approximately five (5) gallons of fuel oil out into the parking area. The area is asphalt and the free product was covered with dirt and "floor dry" immediately. This material was then disposed of as contaminated. In addition, approximately five (5) truck loads of soil were removed to stock pile. Site was then closed using broken concrete, sand and clean fill.

Site Number Six: *Owatonna Junior High School*

Site contained two (2) U.S.T.'s, designated as tank numbers nine and ten. Number nine was a 15,000 gallon U.S.T., installed in 1968, while tank number ten was a 12,000 gallon U.S.T. and was installed in 1974. The tanks were installed parallel to each other approximately six (6) feet apart. Evidence of previous surface spill still obvious in the patched regrowth of grass in the area of the fill tube of the 12,000 gallon tank. Apparently occurred in winter during a transfer/loading operation. Tank number nine was removed first. Very little detectable vapors in removed soil. Basin observed to be clear. Recommended removing two (2) truck loads to stock pile to be cautious. Tank number ten removed intact. No apparent spill or vapors detected with O.V.A.. No soil removed. Basin was filled using sand and clean fill.

NOTIFICATIONS

In each case of detectable vapors, observable free product, or positive test results on soil samples, the Minnesota Pollution Control Agency's Spills Team was notified by the on-site representative. A log-in record was established, with a copy of the site reports to be forwarded.

2/10/92m

APPENDIX NUMBERS

- A M.P.C.A. Notifications/Change in Status
- B Site Map/Removal Forms
- C Fire Inspector Form
- D Soil Analysis Results
- E Log Entries
- F Photos

APPENDIX A

M.P.C.A. Notifications/Change in Status



Minnesota Pollution Control Agency
 Hazardous Waste Division
 Tanks and Spills Section
 520 Lafayette Road North
 St. Paul, Minnesota 55155

**UNDERGROUND STORAGE TANK
 NOTIFICATION FORM**
 (Read instructions on reverse side)

EPA Use
 MPCA Use

Transaction Type(s)
 Notification
 Change in Status
 Data Correction

Type of installation, if federal facility, give GSA*; if industry, give SIC code.
 B.
 Bulk Storage
 Service Station
 Utility
 Industry
 Agricultural
 Residential
 Government
 Other (Specify) _____
 GSA/SIC _____

C. Name of Installation
 Owatonna Junior High School
 Street Address
 500 15th Street N.E.
 City
 Owatonna
 County
 Steele
 Zip Code
 55060
 Phone (include area code)
 (507) 451-9513

D. Name of Owner (Corporation, Individual, or Agency)
 Owatonna Public Schools - District 761
 Mailing Address
 515 West Bridge Street
 City
 Owatonna
 State
 MN
 Zip Code
 55060
 Name of Emergency Contact (if different from owner)
 Owner Phone (include area code)
 (507) 451 - 9513
 Emergency Phone (include area code)
 () same

E. Use code numbers listed on reverse side for items marked with *

1. Action*	2. Tank Number	3. Status*	4. Date Installed, Repaired, or Reconditioned (mm/dd/yy)	5. Date Last Used (mm/dd/yy)	6. Capacity (gallons)	7. Type*	8. Internal Protection*	9. External Protection*	10. Secondary Containment*	11. Piping Type*	12. Dispenser Type*	13. Substance Stored*	14. Quantity Left Stored (gallons)
3 1 1 5	5	1	9 6 8	1 1 1 1	3 0 0 0 0	3 0 1 5	2 2 2 4					#2	1 1 1 1 1
3 1 1 2	5	1	9 7 4	1 1 1 1	3 0 0 1 0	3 0 1 5	2 2 2 4					#2	1 1 1 1 1

15. Leak Detection*	# Monitoring Pts.	16. Date of Last Tank Test (mm/dd/yy)	Test Method*	17. Past Leak?*	18. Remedial Action*	19. Amount Lost (gallons)
	0 0 0 0 0 0 0 0		U			

F. Comments:
 Tanks removed from site.

G. Under penalty of perjury, to the best of my knowledge, I certify that the information provided is true & correct.

Printed Name
Jon Larsen
 Signature
Jon Larsen
 Title
Research Director
 Date
9/12/89



**Minnesota Pollution Control Agency
 Hazardous Waste Division
 Tanks and Spills Section
 520 Lafayette Road North
 St. Paul, Minnesota 55155**

**UNDERGROUND STORAGE TANK
 NOTIFICATION FORM**
 (Read instructions on reverse side)

EPA Use
 MPCA Use

Transaction Types)
 A. Notification
 Change in Status
 Data Correction

Type of Installation: if federal facility, give GSA#; if industry, give SIC code
 B. Bulk Storage
 Service Station
 Utility
 Industry
 Agricultural
 Residential
 Government
 Other (Specify)

GSA/SIC _____

C. Name of Installation
McKinley Elementary School
 Street Address
423 14th Street NE
 City
Owatonna
 County
Steele
 Zip Code
55060 (Phone (include area code)
(507) 451 - 9513
 Township Range Section Quarter Quarter Quarter
107N ... 20W ... 3 SW ...

D. Name of Owner (Corporation, Individual, or Agency)
Owatonna Public Schools - District 761
 Mailing Address
515 West Bridge Street
 City
Owatonna
 State
MN
 Zip Code
55060
 Name of Emergency Contact (if different from owner)
 Owner Phone (include area code) **(507) 451 - 9513**
 Emergency Phone (include area code) () same

E. Use code numbers listed on reverse side for items marked with *

1. Action*		2. Tank Number		3. Status*		4. Date Installed, Repaired, or Reconditioned (mm/dd/yy)		5. Date Last Used (mm/dd/yy)		6. Capacity (gallons)		7. Type*		8. Internal Protection*		9. External Protection*		10. Secondary Containment*		11. Piping Type*		12. Dispenser Type*		13. Substance Stored* (Specify)		14. Quantity Left Stored (gallons)				
3	5	5	1	9	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	2	5	1	9	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

F. Comments:
Tanks removed from site.

G. Under penalty of perjury, to the best of my knowledge, I certify that the information provided is true & correct.
 Printed Name **Tom Tarsen** Title **Research Director**
 Signature *Tom Tarsen* Date **9/12/89**



Minnesota Pollution Control Agency
 Hazardous Waste Division
 Tanks and Spills Section
 520 Lafayette Road North
 St. Paul, Minnesota 55155

UNDERGROUND STORAGE TANK
 NOTIFICATION FORM

(Read instructions on reverse side)

EPA Use _____
 MPCA Use _____

Transaction Type(s):

A. Notification
 Change in Status
 Data Correction

Type of Installation: If federal facility, give GSA#; if industry, give SIC code.

B. Bulk Storage
 Service Station
 Utility
 Industry
 Agricultural
 Residential
 Government
 Other (Specify) _____
 GSA/SIC _____

C. Name of Installation
 Lincoln Elementary School

Street Address
 747 Havana Road

City
 Owatonna

County
 Steele

Zip Code
 55060

D. Name of Owner (Corporation, Individual, or Agency)
 Owatonna Public Schools - District 761

Mailing Address
 515 West Bridge Street

City
 Owatonna

State
 MN

Zip Code
 55060

Name of Emergency Contact (if different from owner)

Emergency Phone (include area code)
 (507 451 - 9513) same

E. Use code numbers listed on reverse side for items marked with *

1. Action*	2. Tank Number	3. Status*	4. Date Installed, Repaired, or Reconditioned (mm/dd/yy)	5. Date Last Used (mm/dd/yy)	6. Capacity (gallons)	7. Type*	8. Internal Protection*	9. External Protection*	10. Secondary Containment*	11. Piping Type*	12. Dispenser Type*	13. Substance Stored* (Specify)	14. Quantity Left Stored (gallons)
3	1101	5	1959	1111	1111	3	U	1	3	2	2	#2	1111

F. Comments:
 Tank removed from site.

G. Under penalty of perjury, to the best of my knowledge, I certify that the information provided is true & correct.

Printed Name
 Jon Larsen

Title
 Research Director

Signature
 Jon Larsen

Date
 9/12/89



Minnesota Pollution Control Agency
Hazardous Waste Division
Tanks and Spills Section
520 Lafayette Road North
St. Paul, Minnesota 55165

UNDERGROUND STORAGE TANK NOTIFICATION FORM

(Read instructions on reverse side)

EPA Use _____
MPCA Use _____

Transaction Type(s)

- A.
- Notification
 - Change in Status
 - Data Correction

Type of Installation: if federal facility, give GSA*; if industry, give SIC code.

- B.
- Bulk Storage
 - Service Station
 - Utility
 - Industry
 - Agricultural
 - Residential
 - Government
 - Other (Specify) _____
- GSA/SIC _____

C. Name of Installation

Owatonna High School
333 East Second Street
Owatonna

D. Name of Owner (Corporation, Individual, or Agency)

Owatonna Public Schools District #761
Mailing Address
515 West Bridge Street
Owatonna
City
Owatonna
State
MN
Zip Code
55060

Zip Code 55060 Phone (include area code) 507) 451-9513
Township 107N Range 20W- Section 15 Quarter NW Quarter Quarter Quarter

Name of Emergency Contact (if different from owner)
Owner Phone (include area code) (507 451 - 9513)
Emergency Phone (include area code) same

E. Use code numbers listed on reverse side for items marked with *

1. Action*	2. Tank Number	3. Status*	4. Date Installed, Repaired, or Reconditioned (mm/dd/yy)	5. Date Last Used (mm/dd/yy)	6. Capacity (gallons)	7. Type*	8. Internal Protection*	9. External Protection*	10. Secondary Containment*	11. Piping Type*	12. Dispenser Type*	13. Substance Stored*	14. Quantity Left Stored (gallons)
1	1	2	5	1	1	1	1	1	1	1	1	2	1
1	2	2	5	1	1	1	1	1	1	1	1	2	1
1	3	1	2	5	1	1	1	1	1	1	1	2	1
1	4	5	1	9	7	2	1	1	1	1	1	2	4
1	5	1	9	7	2	1	1	1	1	1	1	2	4
1	6	5	1	9	7	2	1	1	1	1	1	2	4
1	7	1	0	5	0	0	0	0	0	1	1	1	1
1	8	0	0	0	0	0	0	0	0	1	1	1	1
1	9	0	0	0	0	0	0	0	0	1	1	1	1
1	10	5	0	0	0	0	0	0	0	1	1	1	1
1	11	0	5	0	0	0	0	0	0	1	1	1	1
1	12	0	5	0	0	0	0	0	0	1	1	1	1
1	13	0	5	0	0	0	0	0	0	1	1	1	1
1	14	0	5	0	0	0	0	0	0	1	1	1	1
1	15	0	5	0	0	0	0	0	0	1	1	1	1

F. Comments:
Tanks removed from site.

G. Under penalty of perjury, to the best of my knowledge, I certify that the information provided is true & correct.

Printed Name
Jon Larsen
Signature
Jon Larsen
Title
Research Director
Date
9/12/89



Minnesota Pollution Control Agency
Hazardous Waste Division
Tanks and Spills Section
520 Lafayette Road North
St. Paul, Minnesota 55155

**UNDERGROUND STORAGE TANK
 NOTIFICATION FORM**
 (Read instructions on reverse side)

EPA Use _____
 MPCA Use _____

A. Transaction Type(s)

Notification

Change in Status

Data Correction

B. Type of Installation: if Federal facility, give GSA*; if Industry, give SIC code.

Bulk Storage

Service Station

Utility

Industry

Agricultural

Residential

Government

Other (Specify) _____

GSA/SIC: _____

C. Name of Installation
 Washington Elementary School

Street Address
 338 East Main

City
 Owatonna

County
 Steele

Zip Code
 55060

Phone (include area code)
 (507) 451-9513

Township
 20W

Range
 10

Section
 SW

Quarter
 SW

Quarter
 SW

Quarter
 SW

D. Name of Owner (Corporation, Individual, or Agency)
 Owatonna Public Schools - District 761

Mailing Address
 515. West Bridge Street

City
 Owatonna

State
 MN

Zip Code
 55060

Name of Emergency Contact (if different from owner): _____

Owner Phone (include area code)
 (507) 451-9513

Emergency Phone (include area code)
 () same

E. Use code numbers listed on reverse side for items marked with *

1. Action*	2. Tank Number	3. Status*	4. Date Installed, Repaired, or Reconditioned (mm/dd/yy)	5. Date Last Used (mm/dd/yy)	6. Capacity (gallons)	7. Type*	8. Internal Protection*	9. External Protection*	10. Secondary Containment*	11. Piping Type*	12. Dispenser Type*	13. Substance Stored* (Specify)	14. Quantity Left Stored (gallons)
	312	5	1976	11111111	2000	3U15224						#2	11111

F. Comments:
 Tank removed from site

G. Under penalty of perjury, to the best of my knowledge, I certify that the information provided is true & correct.

Printed Name
 Jon Larsen

Title
 Research Director

Signature
Jon Larsen

Date
 9/12/89

15. Leak Detection*
 # Monitoring Pls. 00000000 U

16. Date of Last Tank Test (mm/dd/yy)

Test Method*

17. Past Leak?*

18. Remedial Action*

19. Amount Lost (gallons)



Minnesota Pollution Control Agency
 Hazardous Waste Division
 Tanks and Spills Section
 520 Lafayette Road North
 St. Paul, Minnesota 55155

**UNDERGROUND STORAGE TANK
 NOTIFICATION FORM**
 (Read instructions on reverse side)

EPA Use
 MPCA Use

Transaction Type(s):

A. Notification

Bulk Storage

Change in Status

Service Station

Data Correction

Utility

Residential

Government

Agricultural

Other (Specify) _____

GSA/SIC _____

C. Name of Installation
 Wilson Elementary School

Street Address
 325 Meadow Lane

City
 Owatonna

County
 Steele

Zip Code
 55060

D. Name of Owner (Corporation, Individual, or Agency)
 Owatonna Public Schools - District 76

Mailing Address
 515 West Bridge Street

City
 Owatonna

State
 MN

Zip Code
 55060

Name of Emergency Contact (if different from owner)

Owner Phone (include area code)
 (507) 451-9513

Emergency Phone (include area code)
 () Same

Phone (include area code)
 (507) 451-9513

Zip Code
 55060

Township
 107N

Range
 20W

Section
 9

Quarter
 SW

E. Use code numbers listed on reverse side for items marked with *

1. Action*	2. Tank Number	3. Status*	4. Date Installed, Repaired, or Reconditioned (mm/dd/yy)	5. Date Last Used (mm/dd/yy)	6. Capacity (gallons)	7. Type*	8. Internal Protection*	9. External Protection*	10. Secondary Containment*	11. Piping Type*	12. Dispenser Type*	13. Substance Stored*	14. Quantity Left Stored (gallons)
	10	5	1969	1111	1000	3	1	5	2	2	4	2	1111

F. Comments:
 Tank removed from site.

G. Under penalty of perjury, to the best of my knowledge, I certify that the information provided is true & correct.

Printed Name
 Jon Larsen

Title
 Research Director

Signature

Date
 9/12/89

15. Leak Detection*

Monitoring Fls.

16. Date of Last Tank Test (mm/dd/yy)

Test Method*

17. Past Leak?

18. Remedial Action*

19. Amount Lost (gallons)

APPENDIX B

Site Map/Removal Forms

UNDERGROUND STORAGE TANK REMOVAL INFORMATION FORM

This Form Is Provided To Tank Owners And Operators, Fire Department Representatives And Others To Assist The Observation Of Underground Storage Tank Removals. It Is The Legal Duty Of The Tank Owner And Operator To Report Any Evidence Of Petroleum Contamination To The Minnesota Pollution Control Agency (MPCA).

Observer CHRISTOPHER E. LYBBERT Date: 8-11-89 Time: 16:00

Signature: [Signature]
 Organization Name: INSTITUTION FOR ENVIRONMENTAL ASSESSMENT
 Position: FIELD TECHNICIAN City: ANOAKA, MINN, 55303
 Address: 691 E. MAIN ST.
 Telephone No. (s): 612-429-9870

***** TANK INFORMATION *****

Tank Owner Name: DUBATONNA PUBLIC SCHOOLS - DIST. 761
 Contact Person: JOE LEVERTY Title: SUPER. BLDGS & BNGS.
 Tank Location Name: CHARLENE HIGH SCHOOL City: DUBATONNA, MINN, 55406
 Address: 333 E. SCHOOL ST. Telephone Number: 507-451-9513
 County: STEELE Excavation Contractor: B&H PETROLEUM EQUIPMENT COMPANY
 Address: 23rd S. VICTORY DR., MANKATO, MN, 56001
 Telephone Number: 507-387-6629

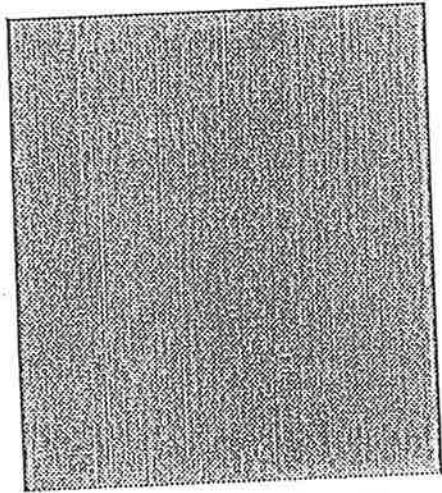
TANK #	Condition & Size	Contents (Product)	Visible Corrosion	Visible Leakage	Soil Contamination
1#	12 GAL. / TIGHT	FUEL OIL	✓	NONE	✓
2#					
3#	12 GAL. / TIGHT	FUEL OIL	✓	NONE	✓
4					
5					
6					

***** BOIL CONDITIONS WITHIN THE EXCAVATION *****

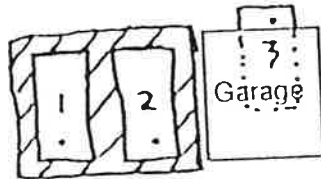
1. Detectable Petroleum Contamination Was Found? (YES) (NO)
2. Petroleum Odors: (Circle) Weak, (Moderate) Strong (YES) / (NO)
3. Visible Petroleum Product In Soil: (YES) / (NO)
4. Sheen On Water Mixed With Soil: (YES) / (NO)
5. Sheen On Ground Water In Excavation: (YES) / (NO)
6. Petroleum Product On Ground Water In Excavation: (YES) / (NO)
7. Vapor Detection Instrument Used (HNU or other device) (YES) / (NO)
8. Soil Samples Taken From Under Tanks: (YES) / (NO)
9. Soil Type: (Circle) Clay, (Silt) Sand, Gravel, Fill) (YES) / (NO)
11. Pictures Taken: (Y) (N), by: JON LARSEN (I.E.A.)
10. Tank Disposed By: B&H PETROLEUM EQUIP. where: MANKATO, MN.

The Minnesota Pollution Control Agency (MPCA) must be notified immediately of any evidence of petroleum contamination
 24 Hour Emergency Leak or Spill Number: (1-612-296-8100)
 During Business Hours: (1-612-296-7235) or (1-612-296-7709)

CONTINUED ON BACK ----->



Transportation/Storage




(Partial view of building)


NOTE:
 • Not to Scale
 • For Reference Only

Athletic Field



 - EXCAVATION

 - TANK LOCATIONS

OWATONNA PUBLIC SCHOOLS - DISTRICT 761
 Underground Storage Tank Locations - 

Drawn by: IEA

7/11/89

Owatonna High School
 333 East School St., Owatonna, MN 55060

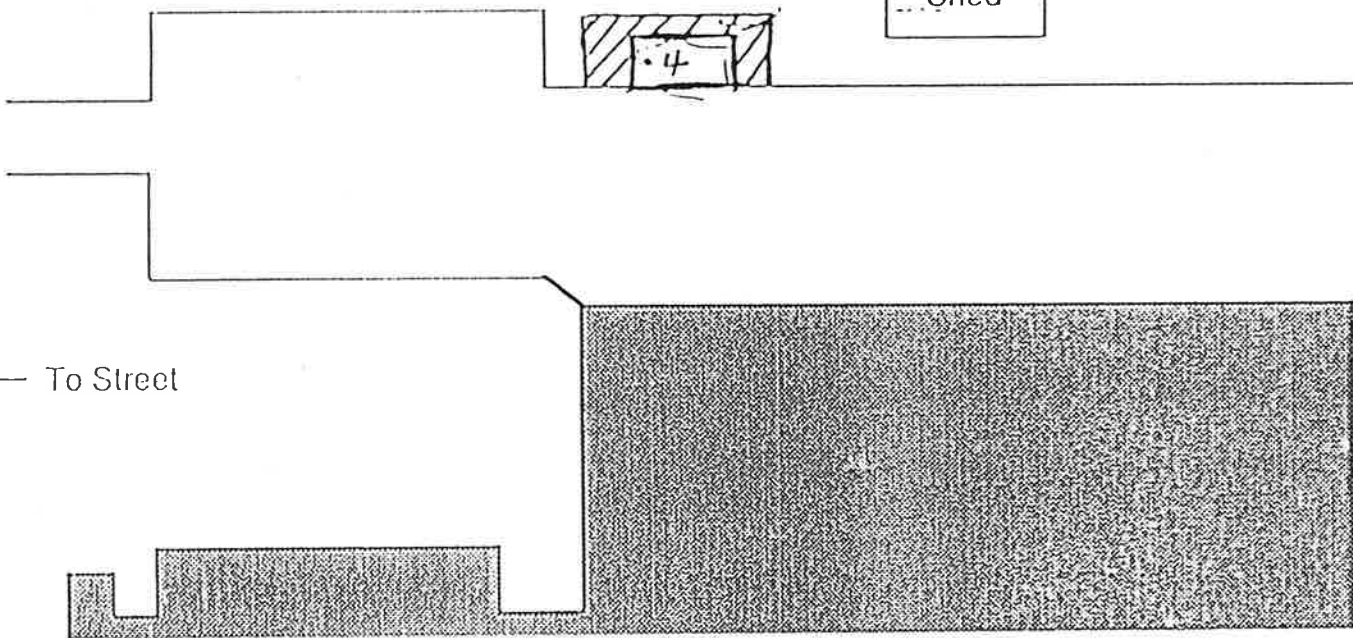
6

6

1969
10,000

Shed

← To Street



(Partial view of building)

NOTE:

- Not to Scale
- For Reference Only

OWATONNA PUBLIC SCHOOLS - DISTRICT 761
 Underground Storage Tank Locations — []

Drawn by: IEA 7/11/89

Wilson Elementary School
 325 Meadow Lane, Owatonna, MN 55060

1
 6

UNDERGROUND STORAGE TANK REMOVAL INFORMATION FORM

This Form Is Provided To Tank Owners And Operators, Fire Department Representatives And Others To Assist The Observation Of Underground Storage Tank Removals. It Is The Legal Duty Of The Tank Owner And Operator To Report Any Evidence Of Petroleum Contamination To The Minnesota Pollution Control Agency (MPCA).

Observer CHRISTOPHER E. LYBBERT Date: 8-16-89 Time: 10:00

Signature: Christoph E. Lybbert
 Organization Name: INSTITUTE FOR ENVIRONMENTAL ASSESSMENT
 Position: FIELD TECHNICIAN City: ANDOKA, MINN, 55305
 Address: 641 E. MAIN ST.
 Telephone No. (s): 612-429-9990

***** TANK INFORMATION *****

Tank Owner Name: QUATONNA PUBLIC SCHOOLS - DIST. 761
 Contact Person: JOE LEVERTY Title: SUPER. BLDG # 6NDS.
 Tank Location Name: WASHINGTON ELEM. SCHOOL City: DUBUQUOIS, MINN, 55000
 Address: 338 E. MAIN ST. Telephone Number: 509-451-9513
 County: STEELE Excavation Contractor: B&H PETROLEUM EQUIPMENT COMPANY
 Address: 230 S. VICTORY DR., MANKATO, MN, 56001
 Telephone Number: 509-387-6620

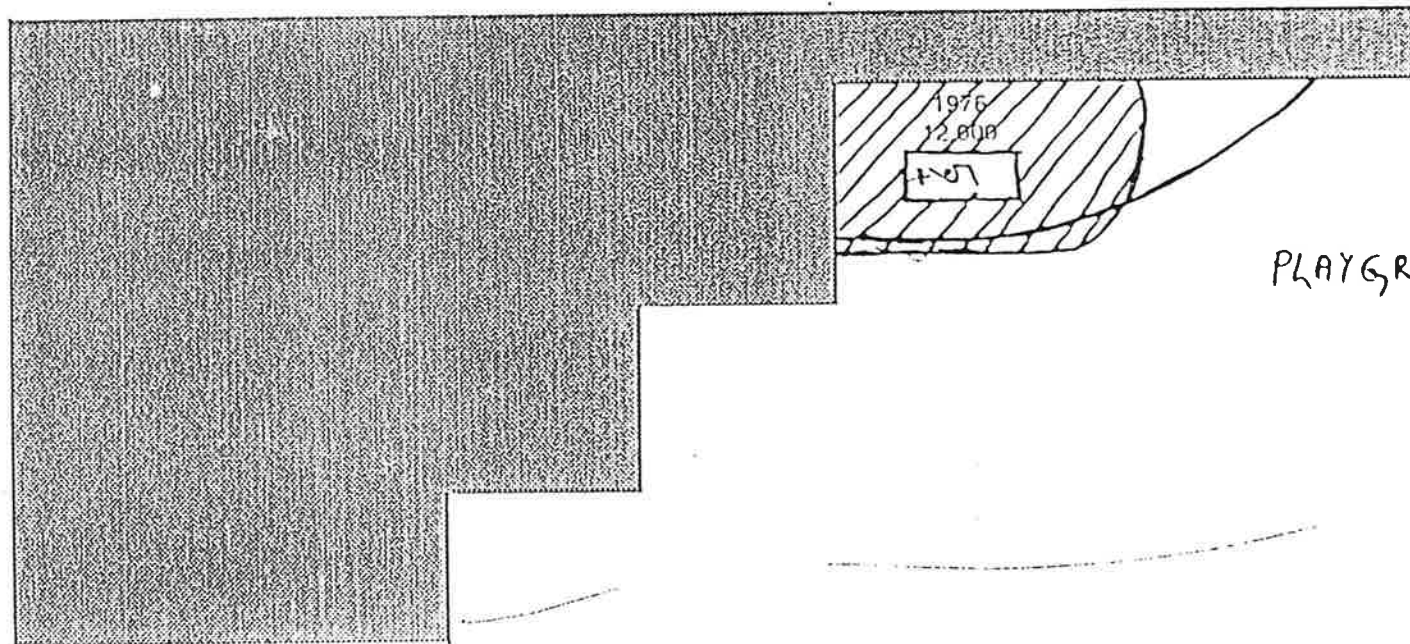
TANK #	Condition & Size	Contents (Product)	Visible Corrosion	Visible Leakage	Soil Contamination
1	(1970) 12,000 GAL.	FUEL OIL	<input checked="" type="checkbox"/>	YES, 45 GAL.	<input checked="" type="checkbox"/>
2					
3					
4					
5					
6					

***** SOIL CONDITIONS WITHIN THE EXCAVATION *****

- Detectable Petroleum Contamination Was Found? YES / NO
- Petroleum Odors: (Circle) Weak Moderate, Strong YES / NO
- Visible Petroleum Product In Soil: YES / NO
- Sheen On Water Mixed With Soil: YES / NO
- Sheen On Ground Water In Excavation: YES / NO
- Petroleum Product On Ground Later In Excavation: YES / NO
- Vapor Detection Instrument Used (Any or other device) YES / NO
- Soil Samples Taken From Under Tank(s) YES / NO
- Soil Type: (Circle) Clay, Silt, Sand, Gravel, Fill
- Pictures Taken: Y / N, By: C. LYBBERT
- Tank Disposed By: B&H PETROLEUM EQUIP. WHERE: MANKATO, MN.


The Minnesota Pollution Control Agency (MPCA) must be notified immediately of any evidence of petroleum contamination 24 Hour Emergency Leak or Spill Number: (1-612-296-8100) During Business Hours: (1-612-296-7235) or (1-612-296-7709)

(Partial view of building)



1976
12,808
T-57

PLAYGROUND

 - EXCAVATION

Athletic Field  - TANK LOCATION



NOTE:
• Not to Scale
• For Reference Only

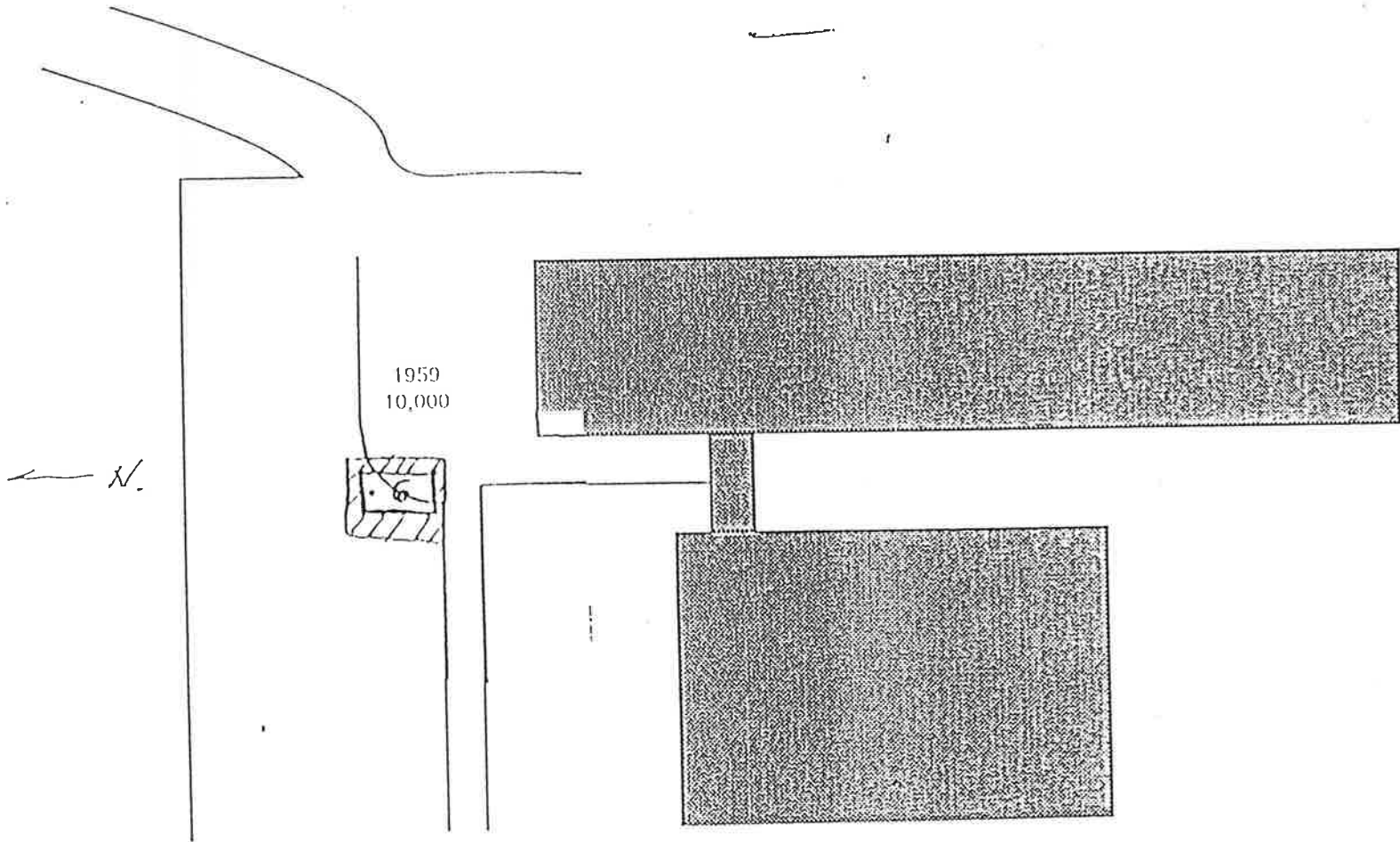
OWATONNA PUBLIC SCHOOLS - DISTRICT 761
Underground Storage Tank Locations - [---]

Drawn by: IEA

7/11/89

Washington Elementary School
338 East Main, Owatonna, MN 55060

2
6



NOTE:
 • Not to Scale
 • For Reference Only

OWATONNA PUBLIC SCHOOLS - DISTRICT 761
 Underground Storage Tank Locations - [---]

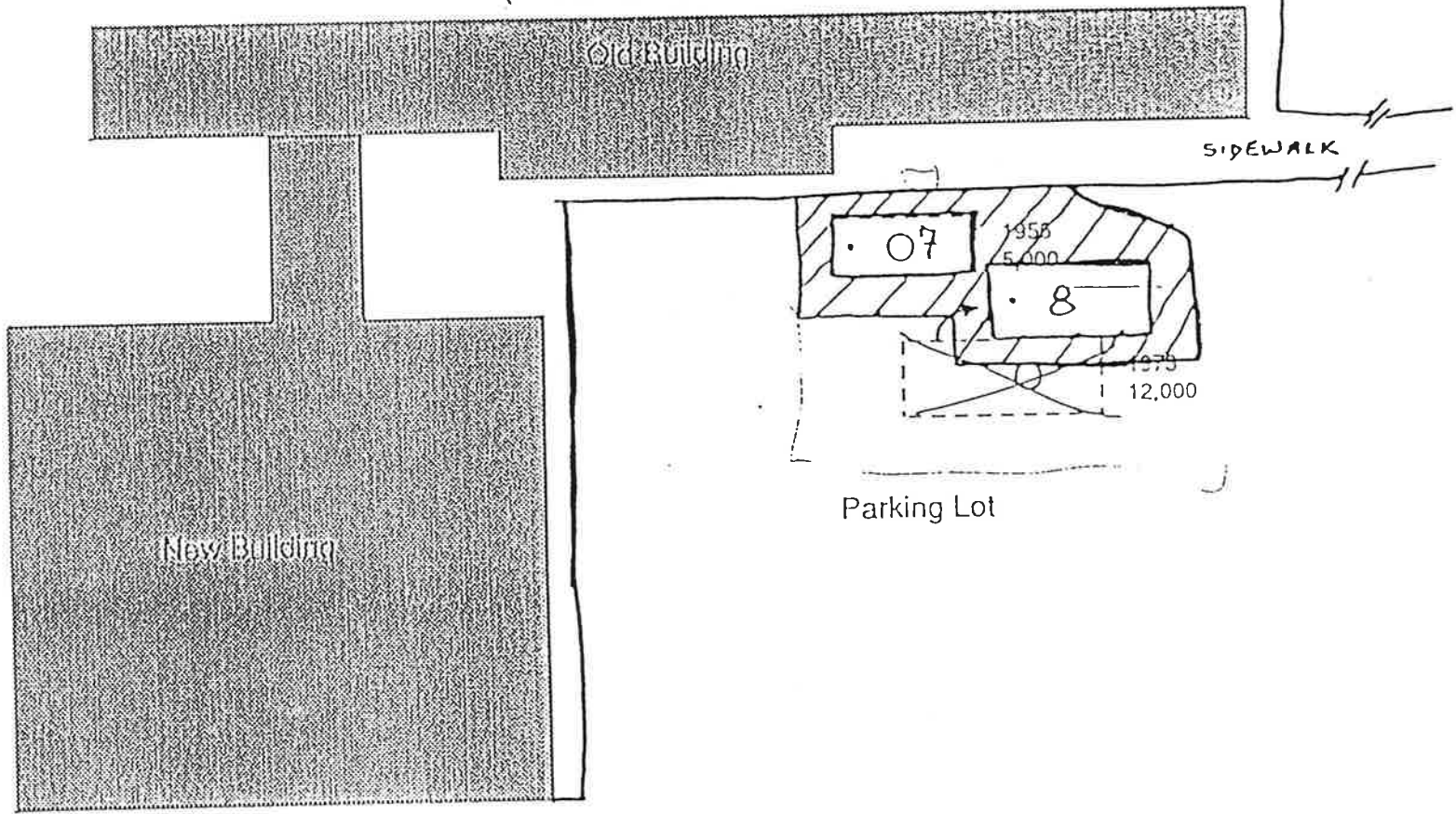
Drawn by: IEA

7/11/89

Lincoln Elementary School
 747 Havana Rd., Owatonna, MN 55060

4
 6

(Partial view of Building)



NOTE:

- Not to Scale
- For Reference Only

OWATONNA PUBLIC SCHOOLS - DISTRICT 761

Underground Storage Tank Locations - []

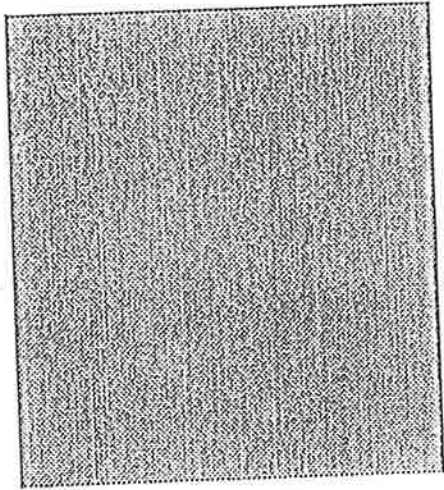
Drawn by: IEA

7/11/89

McKinley Elementary School
423 14th St. NE, Owatonna, MN 55060

3
6

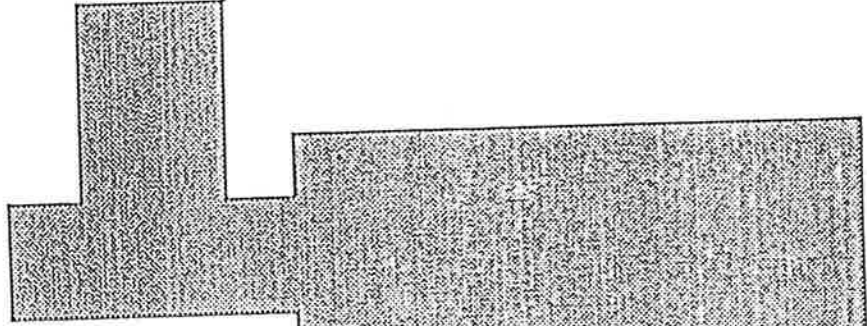
N →



Transportation/Storage



6



(Partial view of building)



3

← 7/11/89

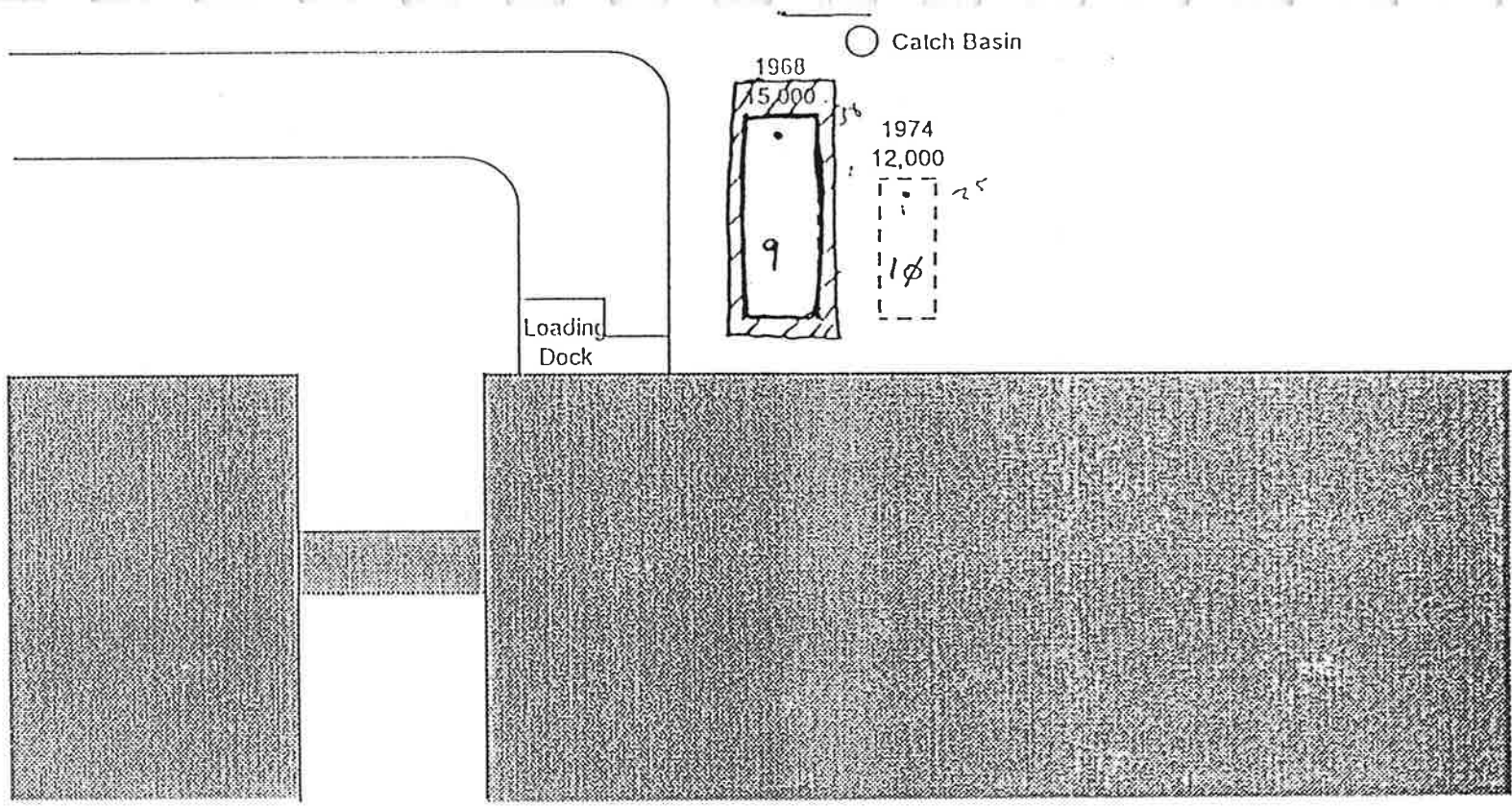
NOTE:

- Not to Scale
- For Reference Only



Athletic Field




OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations -				
Drawn by: IEA	7/11/89	Owatonna High School 333 East School St., Owatonna, MN 55060		
		<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">6</td> </tr> </table>	6	6
6	6			

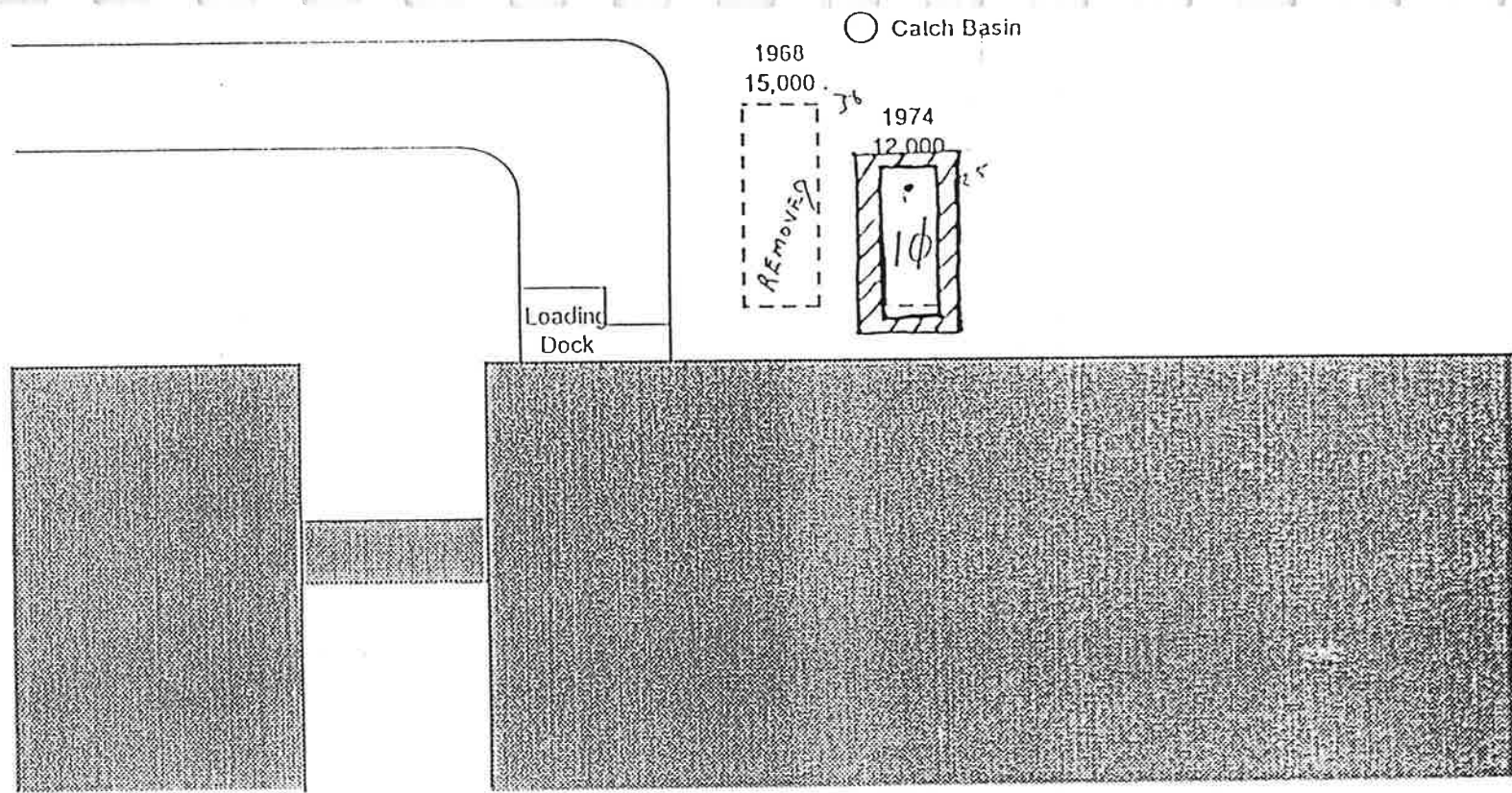


(Partial view of school)

 - EXCAVATION
 - TANK LOCATION

NOTE:
 • Not to Scale
 • For Reference Only

OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - 		
Drawn by: IEA	7/11/89	Owatonna Junior High School 500 15th St. NE, Owatonna, MN 55060
		<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 1px solid black; border-bottom: 1px solid black;"> 5 6 </div> </div>



(Partial view of school)

NOTE:
 • Not to Scale
 • For Reference Only

- EXCAVATION
 - TANK LOCATION

OWATONNA PUBLIC SCHOOLS - DISTRICT 761
 Underground Storage Tank Locations - []

Drawn by: IEA

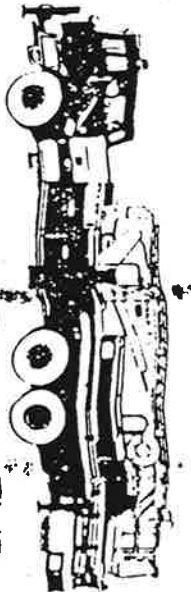
7/11/89

Owatonna Junior High School
 500 15th St. NE, Owatonna, MN 55060

5
 6

APPENDIX C

Fire Inspector Form



OWATONNA FIRE DEPARTMENT

107 WEST MAIN STREET
OWATONNA, MN 55060
(507) 451-7402

Date: 8-11-89
Time: 12:00 AM

District
Security

Name: OWATONNA HIGH SCHOOL Phone: 451-9513

Address: 515 W. BRIDGE

Owner of Premises:

In accordance with the provisions of Minnesota Statute 299F.011, Minnesota Uniform Fire Code, inspection of the above premises was completed and the following violations, deficiencies, and/or recommendations were noted requiring corrective action:

Summary of violations, deficiencies and/or recommendations:	
3 TAXES	12,000 No 2 Fuel oil
	12,000 No 2 Fuel oil
	10,000 No 2 Fuel oil
	GROUND TESTING IS BEING DONE BY
	INSTITUTE FOR ENVIRONMENTAL ASSESSMENT
	2829 WENDALE AVE
	ARLOKA MUND 55303
	612-427-5310
	CRISTO PERIN
	LYBERT
	WORKS WILL REMAIN OPEN TILL TEST RESULTS
	ANS RETURNED

There is a variance procedure provided by State Law.

Fire Inspector: [Signature]

Fire Chief: [Signature]

Owner/Representative (Signature indicates receipt of copy ONLY): [Signature]
Consentant

APPENDIX D

Soil Analysis Form

U.S.T.

P.P.M.

U578A - ...

DATE	SAMPLE #	LOCATION	COMMENTS	P.P.M.		
				B.E.T.X.	TOTAL HC.	F.O. HC.
8/11/89	1 A	OWATONNA SR. HIGH SCHOOL	EAST END, TANK 1 BASIN	41.0	41.0	6.8
"	1 B	"	WEST END, TANK 1 BASIN	41.0	41.0	2.8
"	1 C	"	FILLER TUBE, TANK 1 BASIN	41.0	41.0	2.7
"	2 A	"	WEST END, TANK 2 BASIN	41.0	41.0	41.0
"	2 B	"	EAST END, TANK 2 BASIN	41.0	41.0	2.6
"	2 C	"	FILLER TUBE, TANK 2 BASIN	41.0	41.0	59.0
8/14/89	4 A	WILSON ELEM. SCH.	NORTH END, TANK 4 BASIN	41.0	41.0	41.0
"	4 B	"	SOUTH END, TANK 4 BASIN	41.0	41.0	41.0
"	4 C	"	FILLER TUBE, TANK 4 BASIN	41.0	41.0	41.0

U.S.T.

U578A-...

DATE	SAMPLE #	LOCATION	COMMENTS	P.P.M.		
				B.E.T.X.	TOTAL HC.	F.O. HC.
8/15/89	H.S. - S1	DWATONNA SR. HIGH SCHOOL	SOUTH END OF COMBINED EXCAVATION OF BASIN 2 1 & 2.	21.0	21.0	1.9
8/16/89	5A	WASHINGTON ELEM. SCHOOL	NORTH END, BASIN 5	21.0	21.0	21.0
"	5B	"	SOUTH END, BASIN 5	21.0	21.0	13.0
"	5C	"	FILLER AREA, BASIN 5	21.0	21.0	13.0
8/17/89	5D	WASHINGTON ELEM. SCHOOL	NORTH END, BASIN 5 (SET II)	21.0	21.0	21.0
"	5E	"	SOUTH END, BASIN 5 (SET II)	21.0	21.0	9.1
"	5F	"	FILLER AREA, BASIN 5 (SET II)	21.0	21.0	21.0
8/18/89	6A	LINCOLN ELEM. SCHOOL	NORTH END, BASIN 6	21.0	21.0	72.0
"	6B	"	SOUTH END, BASIN 6	21.0	21.0	58.0

U.S.T.

P.P.M.

U578A-...

DATE	SAMPLE #	LOCATION	COMMENTS	P.P.M.		
				B.E.T.X.	TOTAL HC.	F.O. HC.
8/18/89	6C	LINCOLN ELEM. SCHOOL	FILLER AREA, BASIN 6	<1.φ	<1.φ	13
8/21/89	7A	MCKINLEY ELEM. SCHOOL	WEST END, BASIN 7	<1.φ	<1.φ	<1.φ
"	7B	"	EAST END, BASIN 7	<1.φ	<1.φ	<1.φ
"	7C	"	FILLER AREA, BASIN 7	<1.φ	<1.φ	<1.φ
"	8A	"	WEST END, BASIN 8	<1.φ	<1.φ	<1.φ
"	8B	"	EAST END, BASIN 8	<1.φ	<1.φ	8.3
"	8C	"	FILLER AREA, BASIN 8	<1.φ	<1.φ	<1.φ
8/23/89	3A	OWATONNA SENIOR HIGH SCHOOL	WEST END, BASIN 3	<1.φ	<1.φ	12φ
"	3B	"	EAST END, BASIN 3	<1.φ	<1.φ	<1.φ

U.S.T.

Q578A - ...

DATE	SAMPLE #	LOCATION	COMMENTS	P.P.M.		
				B.E.T.X.	TOTAL HC.	F.O. HC.
8/23/89	3C	OWATONNA HIGH SCHOOL	FILLER AREA, BASIN 3	41.0	41.0	28
8/24/89	9A	OWATONNA JUNIOR HIGH SCHOOL	NORTH END, BASIN 9	41.0	41.0	9.2
"	9B	"	SOUTH END, BASIN 9	41.0	41.0	41.0
"	9C	"	FILLER AREA, BASIN 9	41.0	41.0	24
"	10A	"	NORTH END, BASIN 10	41.0	41.0	26
"	10B	"	SOUTH END, BASIN 10	41.0	41.0	41.0
"	10C	"	FILLER AREA, BASIN 10	41.0	41.0	120

08/21/89

LABORATORY REPORT NO: 8174

PAGE 1 of 1

Institute for Environmental As
2829 Verdale Avenue
Anoka MN 55303
ATTENTION: Richard Cox

PROJECT: E89-328
COLLECTED: Client
RECEIVED: 08/16/89
SAMPLE MATRIX: Soil

08/13/89

PARAMETER	BRAUN 1.D.: 8174-1		8174-2		8174-3		8174-4	
	CLIENT 1.D.:	OHS - 51	OHS - 5A North End	OHS - 5B South End	OHS - 5C Filler Area			
	--UNITS--							
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethyl Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Hydrocarbons as Fuel Oil	ug/L	1.9	<1.0	130	130	<1.0	<1.0	<1.0
Total Hydrocarbons as Gasoline	ug/L	**	<1.0	**	**	<1.0	<1.0	<1.0
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

** Total Hydrocarbons calculated as fuel oil.

< = less than: compound not detected at or above indicated detection limit

- = Analysis not requested

All quality control checks were within acceptable limits.
Reviewed by:



08/22/89

LABORATORY REPORT NO: 8145

PAGE 1 of 1

Institute for Environmental As
2829 Verndale Avenue
Anoka MN 55303
ATTENTION: Richard Cox

PROJECT: E89-328
COLLECTED: Client
RECEIVED: 08/14/89
SAMPLE MATRIX: Soil

08/11/89

PARAMETER	BRAUN I.D.: 8145-1		8145-2		8145-3		8145-4	
	CLIENT I.D.:	East End of Tank 1	West End of Tank 1	Filler Tube Tank 1	West End of Tank 2			
Benzene		<1.0	<1.0	<1.0	<1.0			
Ethyl Benzene		<1.0	<1.0	<1.0	<1.0			
Total Hydrocarbons as Fuel Oil		6.8	28	23	<1.0			
Total Hydrocarbons as Gasoline		**	**	**	<1.0			
Toluene		<1.0	<1.0	<1.0	<1.0			
Xylenes, Total		<1.0	<1.0	<1.0	<1.0			

PARAMETER	BRAUN I.D.: 8145-5		8145-6	
	CLIENT I.D.:	East End of Tank 2	Filler Tube Tank 2	
Benzene		<1.0	<1.0	
Ethyl Benzene		<1.0	<1.0	
Total Hydrocarbons as Fuel Oil		26	590	
Total Hydrocarbons as Gasoline		**	**	
Toluene		<1.0	<1.0	
Xylenes, Total		<1.0	<1.0	

** Total Hydrocarbons calculated as fuel oil.

< = less than; compound not detected at or above indicated detection limit

- = Analysis not requested

All quality control checks were within acceptable limits.
Reviewed by: LRD



08/22/89

LABORATORY REPORT NO:

8158

PAGE 1 of 1

Institute for Environmental As
2829 Verdale Avenue
Anoka MN 55303
ATTENTION: Richard Cox

PROJECT: E89-328
COLLECTED: Client
RECEIVED: 08/14/89
SAMPLE MATRIX: Soil

08/14/89

BRAUN I.D.: 8158-1
CLIENT I.D.: 4A North
8158-2
4B South
8158-3
4C Filler

PARAMETER	--UNITS--		
Benzene	mg/Kg	<1.0	<1.0
Ethyl Benzene	mg/Kg	<1.0	<1.0
Total Hydrocarbons as Fuel Oil	mg/Kg	<1.0	<1.0
Total Hydrocarbons as Gasoline	mg/Kg	<1.0	<1.0
Toluene	mg/Kg	<1.0	<1.0
Xylenes, Total	mg/Kg	<1.0	<1.0

< = less than: compound not detected at or above indicated detection limit
- = Analysis not requested

All quality control checks were within acceptable limits.
Reviewed by: IPD



08/24/89

LABORATORY REPORT NO: 8192

PAGE 1 of 1

Institute for Environmental As
2829 Verdale Avenue
Anoka MN 55303
ATTENTION: Richard Cox

PROJECT: E89-328
COLLECTED: Client
RECEIVED: 08/18/89
SAMPLE MATRIX: Soil

8/17-8/18/89

PARAMETER	BRAUN I.D.: 8192-1		8192-2		8192-3		8192-4	
	CLIENT I.D.:	5D N. 2nd Site	SE S. 2nd Site	SF Filler 2nd Site	6A North			
	--UNITS--							
Benzene	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethyl Benzene	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	mg/Kg	<1.0	9.1	<1.0	<1.0	720	<1.0	<1.0
Total Hydrocarbons as fuel Oil	mg/Kg	<1.0	**	<1.0	<1.0	**	<1.0	<1.0
Total Hydrocarbons as Gasoline	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, Total	mg/Kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

PARAMETER	BRAUN I.D.: 8192-5		8192-6	
	CLIENT I.D.:	6B South	6C Filler	
	--UNITS--			
Benzene	mg/Kg	<1.0	<1.0	<1.0
Ethyl Benzene	mg/Kg	<1.0	<1.0	<1.0
Toluene	mg/Kg	<1.0	<1.0	<1.0
Total Hydrocarbons as fuel Oil	mg/Kg	580	13	13
Total Hydrocarbons as Gasoline	mg/Kg	**	**	**
Xylenes, Total	mg/Kg	<1.0	<1.0	<1.0

** Total Hydrocarbons calculated as fuel oil.

< = less than: compound not detected at or above indicated detection limit
- = Analysis not requested

All quality control checks were within acceptable limits.
Reviewed by: WRO



08/28/89

LABORATORY REPORT NO: 8218

PAGE 1 of 1

Institute for Environmental As
2829 Verdale Avenue
Anoka MN 55303
ATTENTION: Richard Cox

PROJECT: E89-328
COLLECTED: Client
RECEIVED: 08/22/89
SAMPLE MATRIX: Soil

8-21-89

PARAMETER	--UNITS--			
	BRAUN I.D.: 8218-1 CLIENT I.D.: 7A Site West	8218-2 7B Site East	8218-3 7C Filler Area	8218-4 8A Site West
Benzene	mg/Kg <1.0	<1.0	<1.0	<1.0
Ethyl Benzene	mg/Kg <1.0	<1.0	<1.0	<1.0
Toluene	mg/Kg <1.0	<1.0	<1.0	<1.0
Total Hydrocarbons as Fuel Oil	mg/Kg <1.0	<1.0	<1.0	<1.0
Total Hydrocarbons as Gasoline	mg/Kg <1.0	<1.0	<1.0	<1.0
Xylenes, Total	mg/Kg <1.0	<1.0	<1.0	<1.0

BRAUN I.D.: 8218-5
CLIENT I.D.: 8B Site East
8218-6
8C Filler
Area

PARAMETER	--UNITS--	
	mg/Kg	mg/Kg
Benzene	<1.0	<1.0
Ethyl Benzene	<1.0	<1.0
Toluene	<1.0	<1.0
Total Hydrocarbons as Fuel Oil	8.3	<1.0
Total Hydrocarbons as Gasoline	**	<1.0
Xylenes, Total	<1.0	<1.0

** Total Hydrocarbons calculated as fuel oil.

< = less than; compound not detected at or above indicated detection limit
- = Analysis not requested

All quality control checks were within acceptable limits.
Reviewed by: jo



09/01/89

LABORATORY REPORT NO: 8234

PAGE 1 of 1

Institute for Environmental As.
2829 Verndale Avenue
Anoka MN 55303
ATTENTION: Richard Cox

PROJECT: E89-328
COLLECTED: Client
RECEIVED: 08/23/89
SAMPLE MATRIX: Soil

8-23-89

BRAUN I.D.:	8234-1	8234-2	8234-3
CLIENT I.D.:	3A West End	3B East End	3C Filler Area

PARAMETER	--UNITS--		
Benzene	mg/Kg	<1.0	<1.0
Ethyl Benzene	mg/Kg	<1.0	<1.0
Toluene	mg/Kg	<1.0	<1.0
Total Hydrocarbons as Fuel Oil	mg/Kg	120	25
Total Hydrocarbons as Gasoline	mg/Kg	**	**
Xylenes, Total	mg/Kg	<1.0	<1.0

** Total Hydrocarbons calculated as fuel oil.

< = less than: compound not detected at or above indicated detection limit

- = Analysis not requested

All quality control checks were within acceptable limits.
Reviewed by: LKO



09/01/89

LABORATORY REPORT NO: 8242

PAGE 1 of 1

Institute for Environmental As
2829 Verdale Avenue
Anoka MN 55303
ATTENTION: Richard Cox

PROJECT: E89-328
COLLECTED: Client
RECEIVED: 08/24/89
SAMPLE MATRIX: Soil

8-24-89

PARAMETER	BRAUN I.D.: CLIENT I.D.:	8242-1 9A North End	8242-2 9B South End	8242-3 9C Filler Area	8242-4 10A North End
		--UNITS--			
Benzene		<1.0	<1.0	<1.0	<1.0
Ethyl Benzene		<1.0	<1.0	<1.0	<1.0
Toluene		9.2	<1.0	24	25
Total Hydrocarbons as Fuel Oil		**	<1.0	**	**
Total Hydrocarbons as Gasoline Xylenes, Total		<1.0	<1.0	<1.0	<1.0

PARAMETER	BRAUN I.D.: CLIENT I.D.:	8242-5 10B South End	8242-6 10C Filler Area
		--UNITS--	
Benzene		<1.0	<1.0
Ethyl Benzene		<1.0	<1.0
Toluene		<1.0	120
Total Hydrocarbons as Fuel Oil		<1.0	**
Total Hydrocarbons as Gasoline Xylenes, Total		<1.0	<1.0

** Total Hydrocarbons calculated as fuel oil.

< = less than: compound not detected at or above indicated detection limit
- = Analysis not requested

All quality control checks were within acceptable limits.
Reviewed by: LRB



APPENDIX E

Log Entries

HOOR LOG

L578A - ...

Any employee on-site must record numbers of hours and then required information at the completion of their shift or activity. In addition to hours (includes travel & onsite), the # of samples and station (i.e. reg. rush, triple rush), miles traveled, other expenses (meals, baggage, etc.) and comments if appropriate.

DATE	TIME	HRS	EMPLOYEE	# OF SAMPLES	STATUS OF SAMPLES	MILES	OTHER EXPENSES	COMMENTS
8-9		11	C.F. LYBRIGHT			140		
"		11	J. LARSEN					
8-11		11	CL.	24	REG.	140		
"		11	J. LARSEN					
8-14		11	CL.	3	REG.	140		
"		11	J. LARSEN					
8-15		11	CL.	1	REG.	140		
"		5	J. LARSEN					
8-16		11:1	CL.	3	REG.	140		
8-17		12.5	CL.			140		
8-18		13.75	CL.	3	REG.	140		
8-21		11.5	CL.	6	REG.	70		
8-22		8.5	CL.					
8-23		9	CL.	3	REG.			
8-24			CL.	6	REG.	100		

Reg. = Analysis normal hours, next day report

Rush = Analysis normal hours, immediate report

Double Rush = Analysis after hours, Monday-Friday, immediate report

Triple Rush = Analysis on weekends, immediate report

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-9		AC

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

JON LARSEN & MYSELF SPENT THE DAY LOOKING
 OVER THE TANK SITES AT EACH SCHOOL AND FAMILIAR-
 IZING OURSELVES WITH THE O.V.A. B&H UNABLE
 TO DELIVER EQUIP. ON TIME. "HIT A BRIDGE." EQUIP
 TO ARRIVE FRI. A.M..

CONTRACTOR:

B&H PETROLEUM EQUIP. CO.

MANKATO, MINN., 56001

507-587-6629

CONTACT = GARY (OWNER/SUPERVISOR)

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-11-81	18:30	OK. JSL.




Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

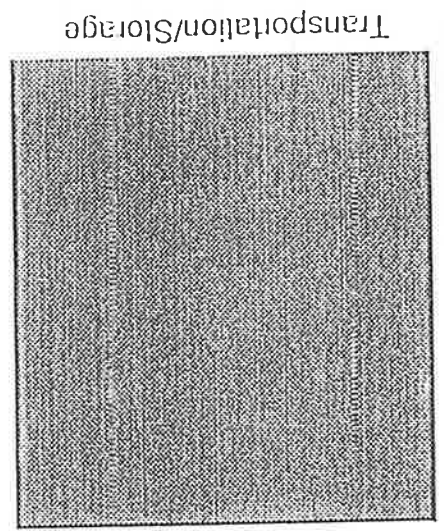
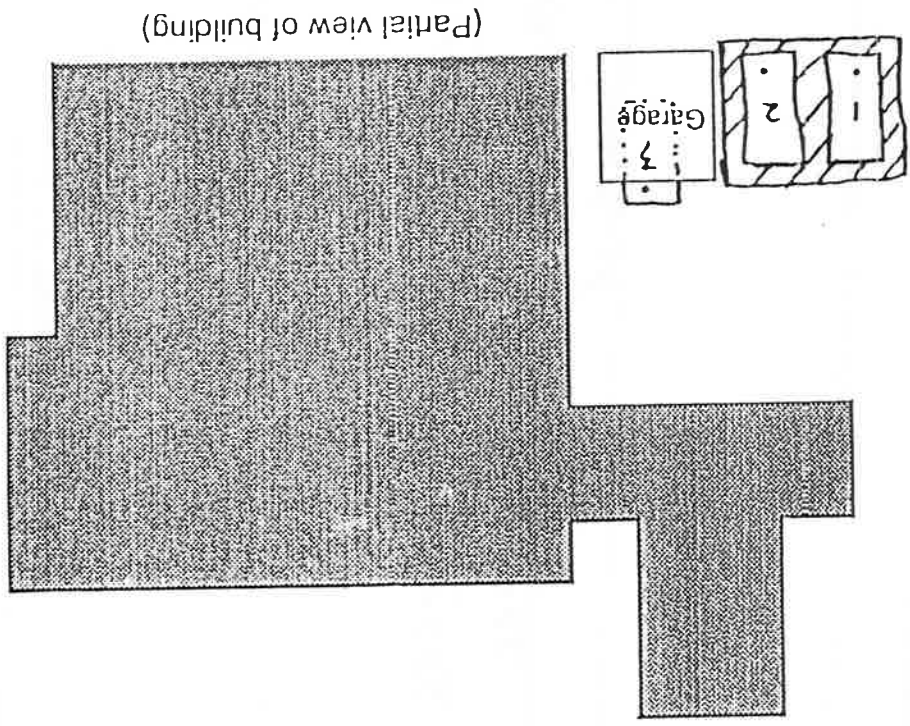
EQUIP. FINALLY ARRIVES. SUPPOSE TO BE HERE

@ PH.D.D. INSURANCE AND BONDING DOCUMENTS ARE
IN ORDER. WORK TO COMMENCE.

6 6	Owatonna High School 333 East School St., Owatonna, MN 55060	7/11/89	Drawn by: IEA
	OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - []		

NOTE:
 • Not to Scale
 • For Reference Only

 - EXCAVATION
 - TANK LOCATIONS
 Athletic Field 



N

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-11-89	16:00	CL.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

2 TANKS REMOVED FROM H.S. SITE.

3RD TANK SITE UNDER A STORAGE BLDG. EITHER UNDERWAY TO REMOVE BLDG. OR MON.

24 SAMPLES TAKEN, 2 TANK SITES.

TANKS #1 & 2 SUCCESSFULLY REMOVED WHERE AS TANK 3 IS INACCESSIBLE AT THIS TIME. THERE IS WATER BEGINNING TO ACCUMULATE IN THE PIT LEFT BY TANKS #1 & 2. AN ABANDONED

SECTION OF PIPING HAS RELEASED A SMALL AMOUNT OF PETRO.

MAT. INTO THE PIT. CAN BE SEEN ELONG ON THE WATER.

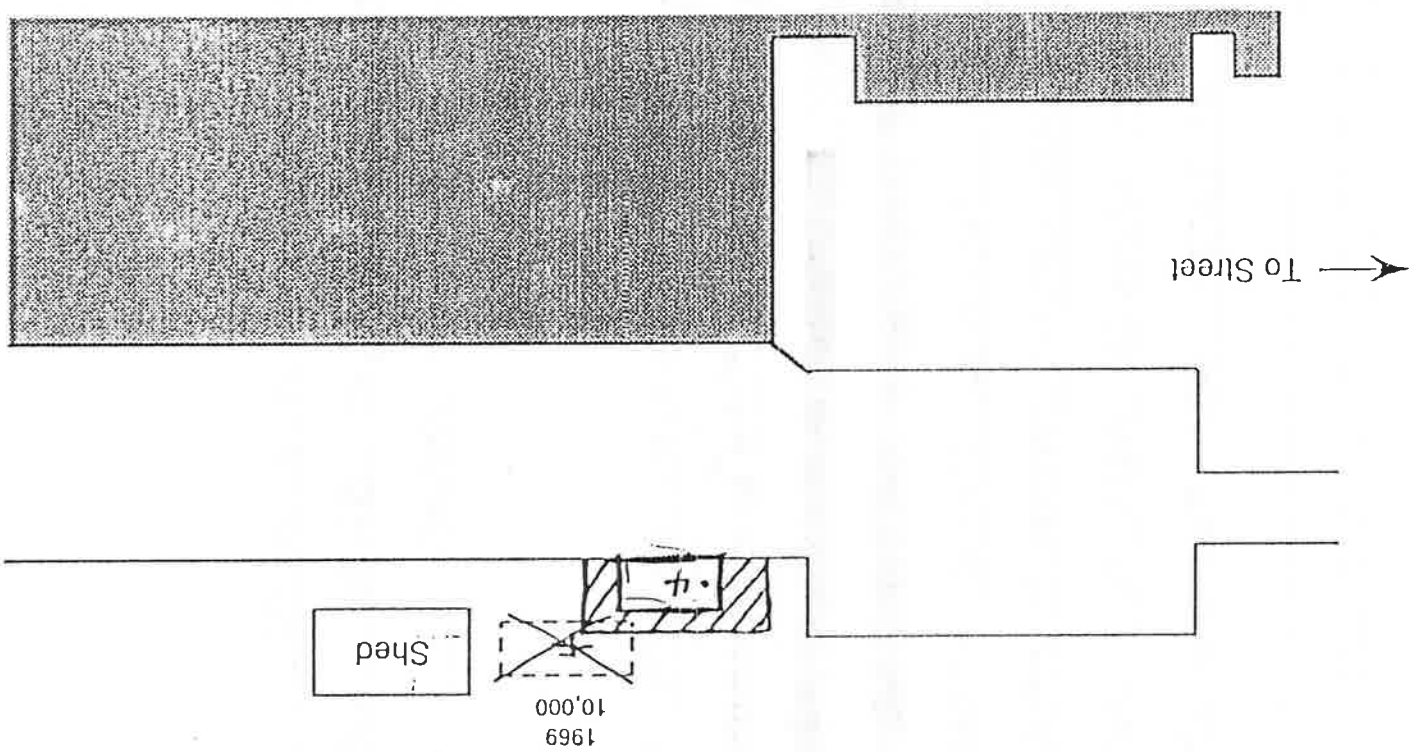
THERE IS EVIDENCE OF PERHAPS PREVIOUSLY REMOVED STORAGE TANKS FROM THIS SITE. THE CONTAMINATION APPEARS TO HAVE BEEN PRE-EXISTING AS THE TANKS REMOVED PRESENTLY WERE VISUALLY SOUND, TIGHT. OVA. DETECTED VERY MINIMAL VAPOR READINGS.

— 16:30 — WRAPPED

6 1	Wilson Elementary School 325 Meadow Lane, Owatonna, MN 55060	7/11/89	Drawn by: IEA
	OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations —		

NOTE:
 • Not to Scale
 • For Reference Only

(Partial view of building)



N →

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-14-89	11:45	CR

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

SITE MOVED TO WILSON SCHOOL, RESULTS IN ON
HIGH SCHOOL, NEED TO CONFER WITH RICHARD 1ST. ARRIVED
ON-SITE 8:30^{AM}, B&H LEAD IS 10:15. H.S. EMPLOYEES
PREPARING TO MOVE STORAGE BLDG, TO GET ACCESS TO
TANK #3. TANK @ WILSON DESIGNATED #4. B&H
ARE CURRENTLY WORKING ON RAMPING OUT REMAINING
FUEL. APPROX. 300 GAL. BEL-AIR DELIVERY SERVICE
CONTRACTED TO PICK-UP SAMPLE @ DIST. OFFICE ON BRIDGE
ST., N 15:00 TODAY.
WILSON SITE = 1 10K GAL. TANK.
300 GAL. REMOVED,
SITE EXTREMELY CLEAN. NO VAPORS DETECTED BY D.V.A.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-14-89	16:00	CL.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

3rd H Removing Tank, Wilson, Purging on Truck
 B-4 TRANSPORT. PARTIALLY FILLED HOLE, AS THERE
 WERE NO DETECTED SPILLS OR LEAKS. OFFICIAL TEST
 RESULTS TOMORROW.

THE DECISION TO PARTIALLY CLOSE HOLE WAS FOR SAFETY
 SAKE. AS NO VAPORS OR VISUAL EVIDENCE ON HAND TO
 INDICATE POSSIBLE CONTAMINATION.

16:56 - WRAPPING

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-15-89	08:00	CL

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

WILSON SITE TO BE FILLED THIS A.M. IN THE MEAN-
 TIME, MAINT. STAFF ARE TO BE DEEPING STORAGE SHED
 @ H.S. TO BE MOVED. HOPE TO BE ABLE TO EXCAVATE^{TO} TANK
 #3 TODAY. ELECTRICIANS DE-ENERGIZED LINES THERE
 YESTERDAY.
 STILL WAITING ON M.P.C.A. TO DETERMINE HOW
 MUCH SOIL TO REMOVE FROM CONTAMINATED PITS @
 H.S. SCHOOL DIST. HAS LAND AVAILABLE TO LAND
 SPREAD SHOULD THAT BE POSSIBLE. M.P.C.A. REQUESTS
 LAND SURVEY, WATER TABLE DEPTH, & APPLICATION. ALSO
 THE CITY WANTS A SUMMARY OF THE PLAN FOR
 REMOVING & STORING THE CONTAMINATED SOIL.

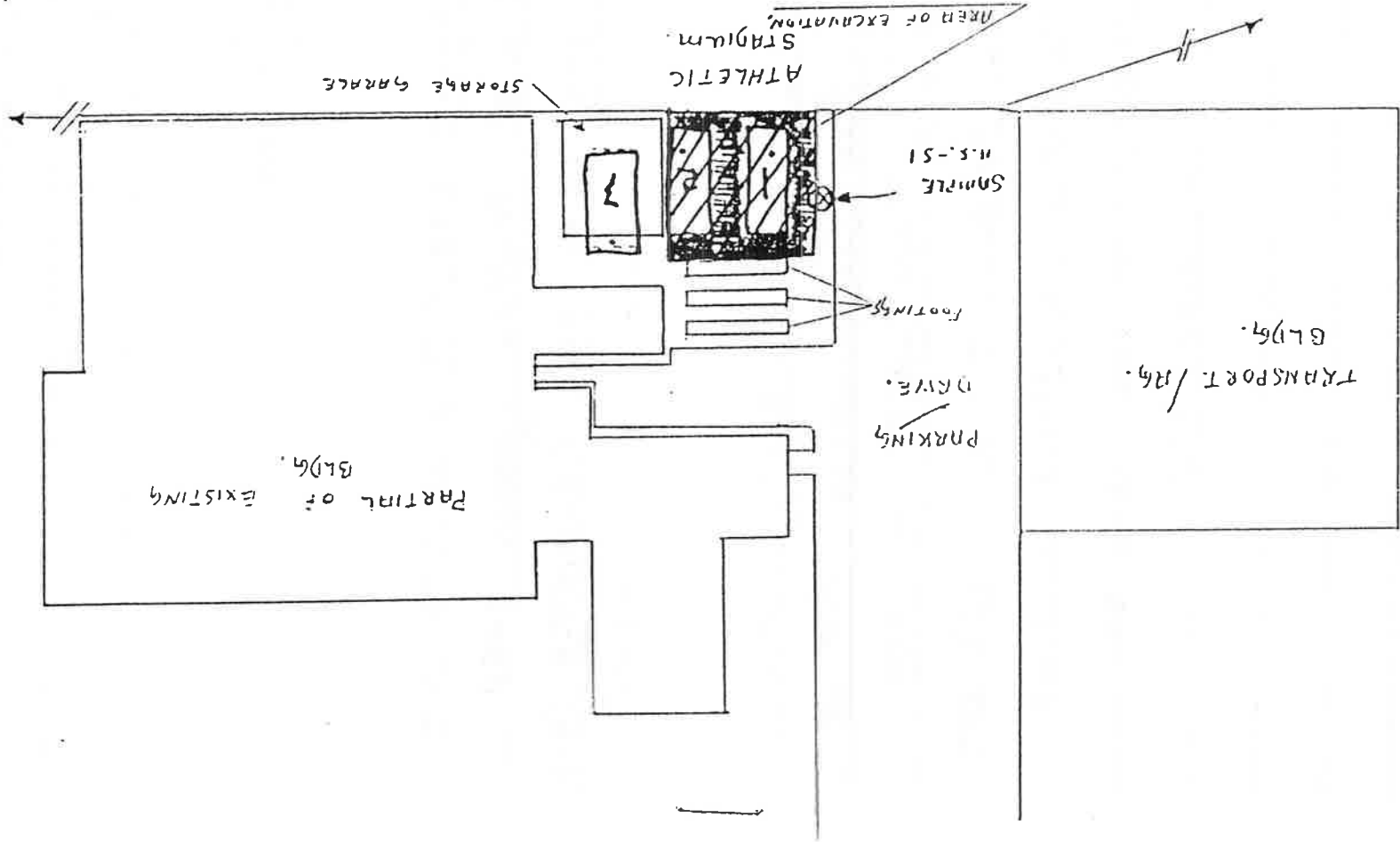
U.S.T. LOCATIONS - []

DRAWN BY: I.E.A. 8-15-89

OWATONNA HIGH SCHOOL
OWATONNA, MINN.

TANKS 1-2, 12K GALL. 22±75, 10K GALL.
TANK 3, ?

NOT TO SCALE
REFERENCE ONLY



GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-15-89	13:00	AL

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

HAVING RETURNED TO THE H.S. SITE IT HAS BECOME EVIDENT THAT THE EXCAVATION SITE IS FILLING WITH WATER. THERE IS VISIBLE EVIDENCE OF PETROLEUM MATERIAL ~~AND~~ FLOATING ON THE SURFACE OF THE WATER, ONLY A RELATIVELY SMALL AMOUNT. THE PLAN DEVISED BY GARY FROM B&H, JOE L., DON L., & MYSELF INVOLVES REMOVING THE SOIL DUG OUT OF THE PIT. TRANSPORTING IT BY TRUCK TO A HOLDING SITE WHERE IT IS SPREAD OUT ON PLASTIC SHEETS TO BE COVERED AWAY AWAIT A FINAL DECISION. MEANWHILE THE WATER IN THE PIT IS TO BE SKIMED WITH BOTTLES TO REMOVE AS MUCH OILY DEBRIS AS IS POSSIBLE, THE PIT IS TO THEN BE FILLED, BEGINNING WITH SAND, TO SOAK UP THE WATER. THE EXCAVATION SITE HAS BEEN EXTENDED AS FAR AS IS POSSIBLE IN ALL DIR.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-15-89	13:00 P	CL.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.




(CONT.)

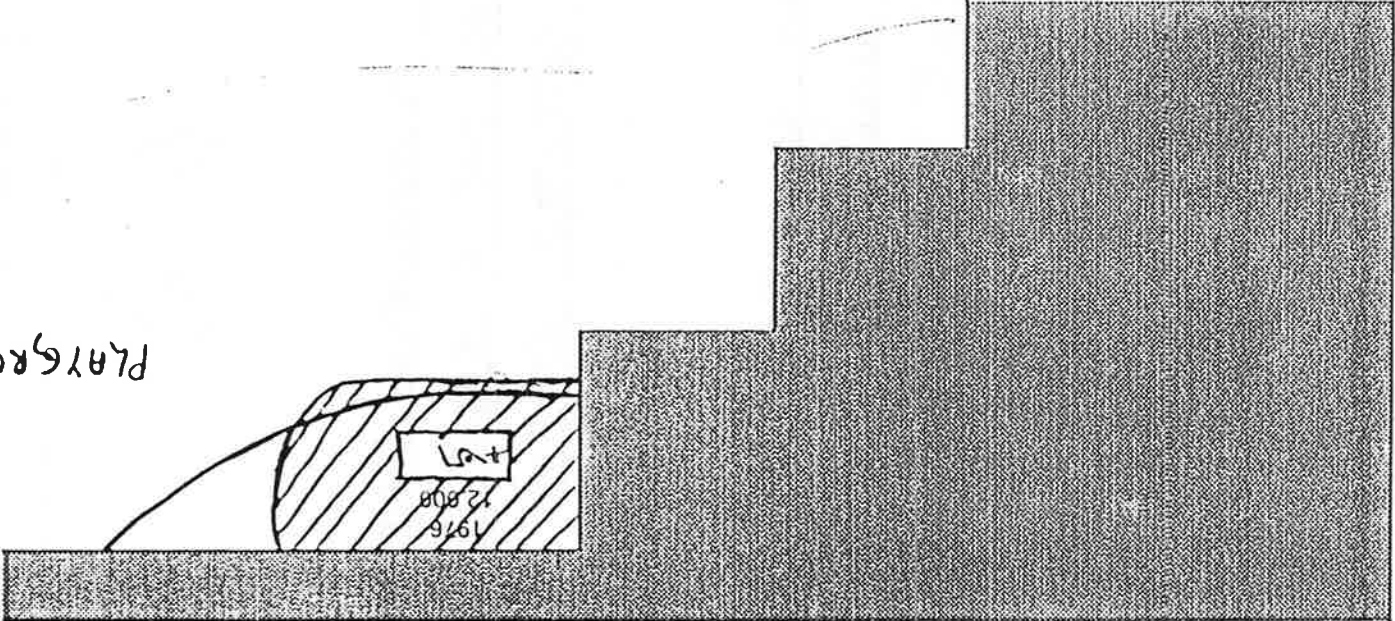
EM AN

~~AN~~ ATTEMPT TO REPLICATE THE CONTAMINATION. SAMPLE
 U598A-H.S.-S1 WAS TAKEN AT THE S. EDGE OF
 AREA AND NO VAPORS WERE DETECTED BY THE D.V.A.
 M.P.C.A. IS TO BE NOTIFIED, AND THEY WILL BE SENT
 A COMPLETE REPORT.
 SINCE THE BACKFILL HAS BEEN COMPLETED THE
 STORAGE SHED DRAIN TANK #3 WILL BE REMOVED
 AND THE PROJECT WILL BE ABLE TO CONTINUE.
 THE ENTIRE EXCAVATION SITE IS LOCKED IN BY
 THE HIGH SCHOOL STORAGE SHED ON THE N. THE
 SPORTS STADIUM ON THE EAST. FOOTINGS FOR A HOUSE ON
 THE WEST, AND A PARKING LOT ON THE SOUTH.
~~THE~~ ~~THE~~
 - 16:36 - WRAPPED FOR PAY.

2 6	Washington Elementary School 338 East Main, Owatonna, MN 55060	7/11/89	Drawn by: IEA
	OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - [---]		

NOTE:
 • Not to Scale
 • For Reference Only

 - EXCAVATION
 - ATHLETIC FIELD




N →

(Partial view of building)

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-16-89	12:30	a.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

TANK REMOVED, WASHINGTON, NO APPARENT LEAKING FROM TANK ALTHOUGH OUR TESTS SHOW TRACES OF VAPORS IN THE SOIL. TANK WAS SITTING ON A SITE PREVIOUSLY OCCUPIED BY AN OLD HIGH SCHOOL WHICH WAS RAISED AROUND 1920. THE POSITIVE READING CAME FROM THE FILTER AREA AND THE SOUTH END. P/T WILL REMAIN OPEN UNTIL TEST RESULTS COME IN. (SEE TEST SAMPLE LOG FOR TANK # 5)

TANK WAS RETURNED DURING CLEANING. LESS THAN 5 GAL. OF MATERIAL SPILLED ON ON ASPHALT AND WAS CLEANED UP IMMEDIATELY.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-16-89	13:45	cl.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

REP. OF CITY WATER TREATMENT FACILITY STOPPED TO LOOK @ THE H₂O IN THE PIT @ H.S. THE PIT WAS BACK-FILLED, BLOTTERS WERE LEFT IN THE WATER OVERNIGHT & THEN AN EMULSIFIER WAS ADDED TO THE WATER. CITY ORD' WATER TO BE SWEENEY INTO THE SANITATION SYSTEM, THEY TO BE TREATED AT THEIR FACILITY. APPROX. 800 GAL.

Pic. # 16-18 WASHINGTON SITE.

Pic. # 19-20 H.S. PIT.

16:30 - DEPARTING

GENERAL ACTIVITIES

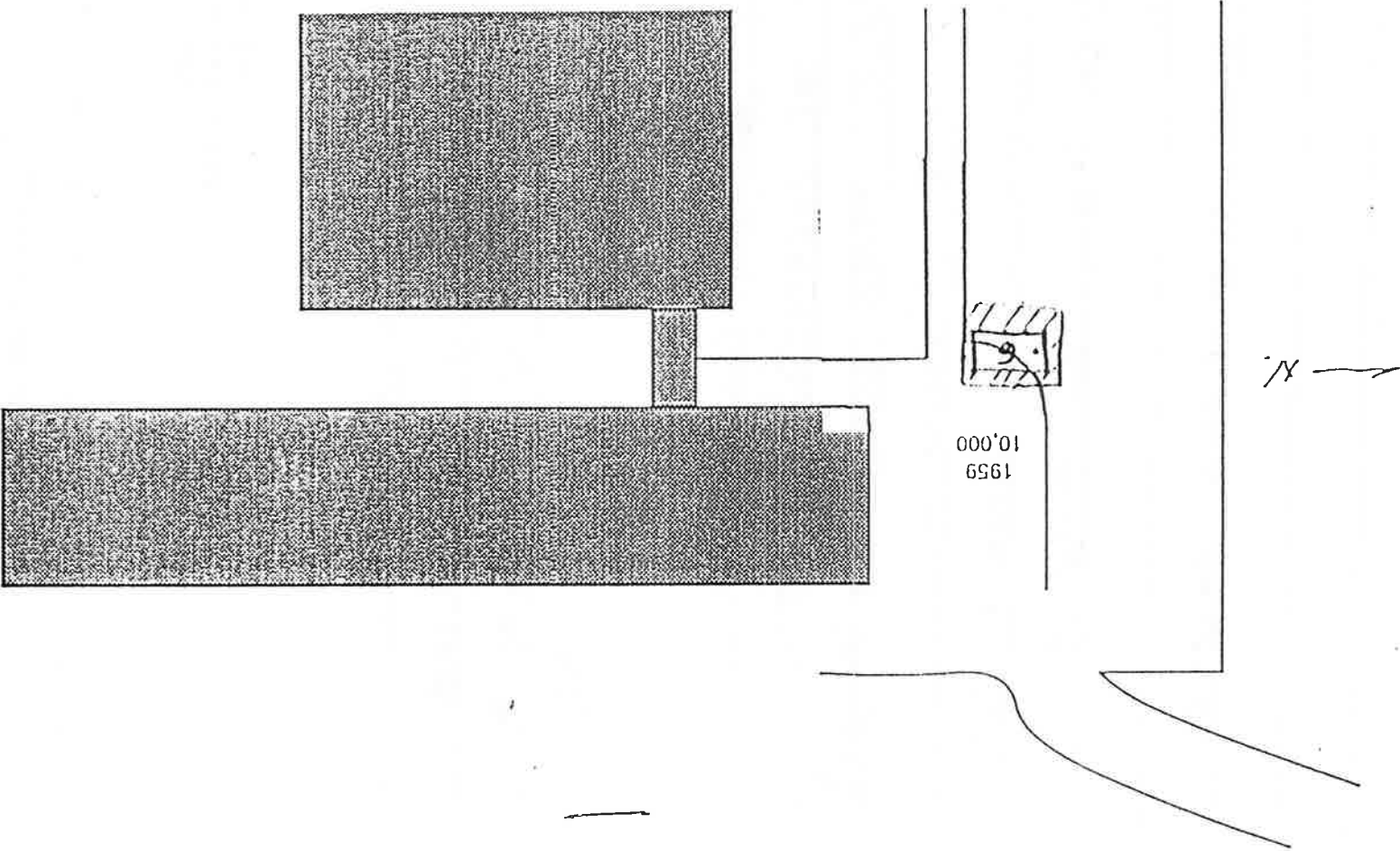
DATE	TIME	ON-SITE TECHNICIAN
8-17-89	10:00	cl.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

ARRIVED ON WASH. SITE @ 8:00. B. & H. ARRIVED
 10:00 HRS. PIT TO BE CLEANED ANY BARE FILLS.
 ANTICIPATE APPROX. 3-4 TRUCK LOADS OF MATERIAL TO
 BE REMOVED. CONCRETE PAD TO BE LEFT IN PIT.
 NO, PRACTICE OR NECESSARY TO REMOVE AT THIS TIME.
 NO DETECTABLE VAPORS ~~PRESENT~~ ^{PRESENT} DURING INSPECTION
 OF THE BOTTOM OF THE EXCAVATION. 3 MORE
 SAMPLES WILL BE TAKEN AFTER CLEAN-UP. (5D-5F).
 PIC. # 21-23 WASH. SITE, 2ND EXCAVATION.
 11:00 /
 VERY SMALL AMOUNT OF COLORATION ON WATER @ PAD.
 2ND SET OF SAMPLES TAKEN. TRUCKING OUT MATERIAL
 CLOSER TO 2 OR 3 LOADS.
 12:00 - WORK STOPPING FOR BREAK, CLEAN UP ALMOST COMPLETED.

<table border="1"> <tr> <td>4</td> <td>6</td> </tr> </table>	4	6	Lincoln Elementary School 747 Havana Rd., Owatonna, MN 55060	7/11/89	Drawn by: IEA
	4	6			
OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - []					

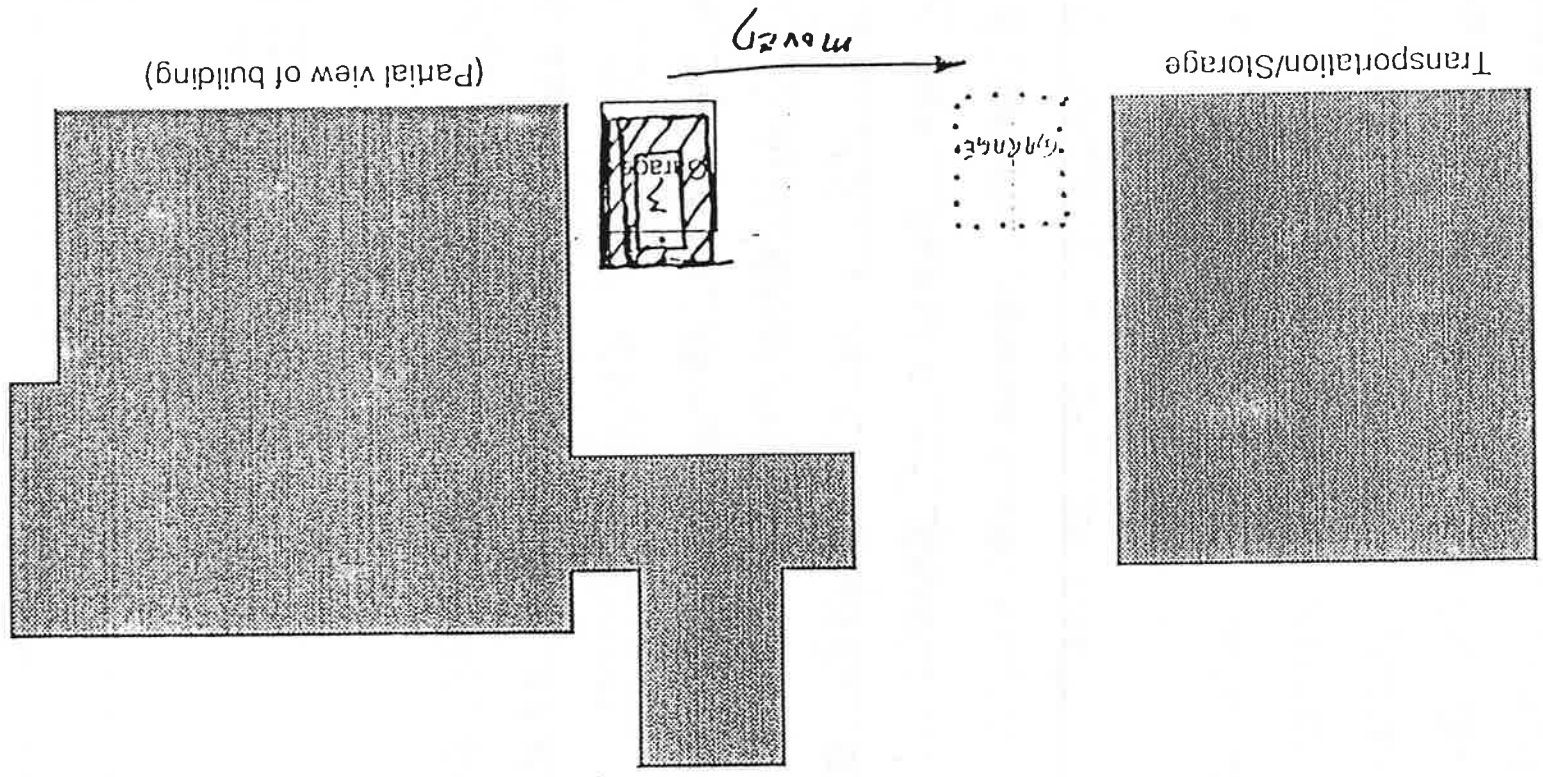
NOTE:
 • Not to Scale
 • For Reference Only



6 6	Owatonna High School 333 East School St., Owatonna, MN 55060	7/11/89	Drawn by: IEA
	OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - []		

NOTE:
 • Not to Scale
 • For Reference Only

Athletic Field

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-27-89	08:30	CL.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

MCKINLEY SITE:

ARRIVED 08:00 HRS. 17th TRUCKING HAY DELIVERED AT
END LOOPER TO HELP LOAD TRUCKS. GARY FROM B&H
PETRO. EQUIP. WAS HERE TODAY BY 08:10. CONTAM.

SOIL BEING LOADED INTO THE ONE TRUCK TO HAUL TO
DUMP SITE. HOPE TO FINISH BACK FILLING THIS A.M.
THEN MOVE SITE TO SR. H.S. ONLY POTENTIAL PROBLEM
IS THE OVERCAST SKY ANY CHANCE OF RAIN.

ALSO PERMISSION WAS RECEIVED THROUGH JOEL. TO
BACKFILL HOLE NEAR AT MCKINLEY WITH CONCRETE
CONTAINING REBAR.

- 09:30 - GARY FROM B&H, REPORTED FINDING A POCKET OF
SUSPECTED CONTAMINATION WHILE CLEANING OUT EXCAVATION
SITE #2. THE SOIL IN QUESTION WAS UNDER THE SIDEWALK
FOUNDATION, NEXT TO THE BLDG. WHERE THE FILLER TUBE
WAS LOCATED, AREA CLEANED OUT AS WELL AS WAS POSSIBLE.
BACK FILLING CONTINUES.

- 11:30 - SITE MOVING TO H.S. TO REMOVE #3.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-22-89	10:30	CL.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

ARRIVED @ MEKINLEY @ 08:00. NO ACTIVITIES WAITED
UNTILL 09:00 THEN WENT DOWN TO DIST. OFFICE TO DROP
OFF ~~SOME~~ SAMPLES FOR BRAUN. JOE L. NOT IN. PICKED
UP FILM FOR SLIDES AND RETURNED TO SITE APPROX.
10:00, STILL NO ACTIVITY. FINALLY WAS ABLE TO
CONTACT JOE L. ANY WAS TOLD NO HAULING OF CONTAM.
SOIL WAS GOING TO BE DONE, THIS A.M. ANYWAY, BECAUSE
BE WET CONDITIONS @ DUMP SITE, STILL HAVE 3
TANKS ON THE GND. PROJECT WILL MORE THAN LIKELY
EXTEND TO THURS. AT LEAST NOW.
- 10:00 - SPoke WITH JOE L. B & H NEVER CONTACTED
HIM AS TO INTENSIONS FOR DAY. WRAPPING. NO WORK.
NO SAMPLES.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-21-89	12:30	J.S. (CONT.)

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

THING A.M. • ESTIMATE APPROX. 5 TRUCK LOADS OF
 CONTAM. MATERIAL TO BE REMOVED TO THE FARM.
 SURVEY OF EXCAVATION PIT ^{REVEALED} ~~REVEALED~~ NO DETECTABLE
 VAPORS IN THE PIT FOR EITHER TANK. SAMPLES
 WERE SECURED AND BACK FILL WILL BEGIN IN
 A.M. • SCHOOL DIST. TO DETERMINE IF CONCRETE
 SLABS WILL BE PLACED BACK INTO THE PIT OR
 NOT. QUOTE A BIT OF REBAR IN THE CONCRETE.
 MAY NOT SETTLE WELL. FROM MECHANICS WILL
 RETURN TO H.S., REMOVE TANK #3, THEN MOVE
 TO J.R. HIGH FOR TANKS #9 & 10.
 WORKING FOR PAY.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-21-89	17:30	cl.

WORK PRODUCT OF INSTITUTE FOR ENVIRONMENTAL ASSESSMENT, INC. ANY DISAGREEMENT WITH OBSERVATIONS SET FORTH HEREIN MUST BE REPORTED TO IEA IN WRITING WITHIN 24 HOURS.

CONTACTED M.P.G.A. THIS P.M. TO ESTABLISH LOG-IN PROCEDURES WITH THE SPILLS TEAM. SPOKE WITH "WALT" WE FILLED OUT PRELIMINARY REPORTS ON 3 SITES. WASH, LINCOLN, & STARTED MARKING. FOUND OUT THAT THE INITIAL CALL ONLY STARTS THE FLIE. FINAL DECISION WILL BE MADE, PIER SITE, ONCE THE FINISHED REPORT IS SUBMITTED.

WHILE RIMOVING TANK #8 A LEAK WAS NOTED AND REPORTED TO M.P.G.A. AFTER THE TANK WAS RIMOVED FROM THE EXCAVATION & WAS BEING SWUNG OVER THE PARKING LOT A RUST PIT GAVIE WAY AND ~~THE~~ LEAKED APPROX. 5 GALS. OF FUEL OIL OUT ONTO THE ASPHALT. IT WAS IMMEDIATELY SOAKED UP WITH DIRT AND FLOOR DRY. MATERIAL WILL BE DISPOSED OF AS CON- TAINMENT. SOIL TO BE TRUCKED TO FARM 1ST

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-21-89	12:30	el.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

RETURNED TO SITE, GARY BEGINNING TO BREAK-UP
CONCRETE SLAB OVER TANK #7. PICTURES #24-~~25~~[#]17
OF MCKINLEY SITE, BEGINNING TANK #7.

14:45 - APPROX. 13:40 #7 WAS REMOVED FROM THE
SPRING. NO OBSERVABLE BREACHES IN THE TANK ALTHOUGH
NOTICABLE AMOUNT OF RETRO. MAT. ACCUMULATED IN
THE BOTTOM OF THE EXCAVATION. SEVERAL TRUCKS
OF CONTAMINATED SOIL WILL HAVE TO BE REMOVED
FROM THIS SITE AS READINGS OF BENTONITE 20' TO
200' I.P.M. WERE BEING RECEIVED ON THE O.V.A.
TANK #8 IS QUITE WIDER THAN #2, ABOUT
20 YRS ACCORDING TO DOK, SO FAR CONTAMINATED
SOIL HAS BEEN DETECTED IN BOTH EXCAVATIONS.
TANK #9 PIT HAS BEEN CLEANED BACK AS FAR AS
IS POSSIBLE. ALREADY PART OF THE SIDEWALK IS CAVING
IN. AS OF THIS TIME, #8 IS STILL IN THE GND.
PIC. #16 - #1, TANK 8 MCKINLEY. (DISPOSABLE CEMENT)

GENERAL ACTIVITIES

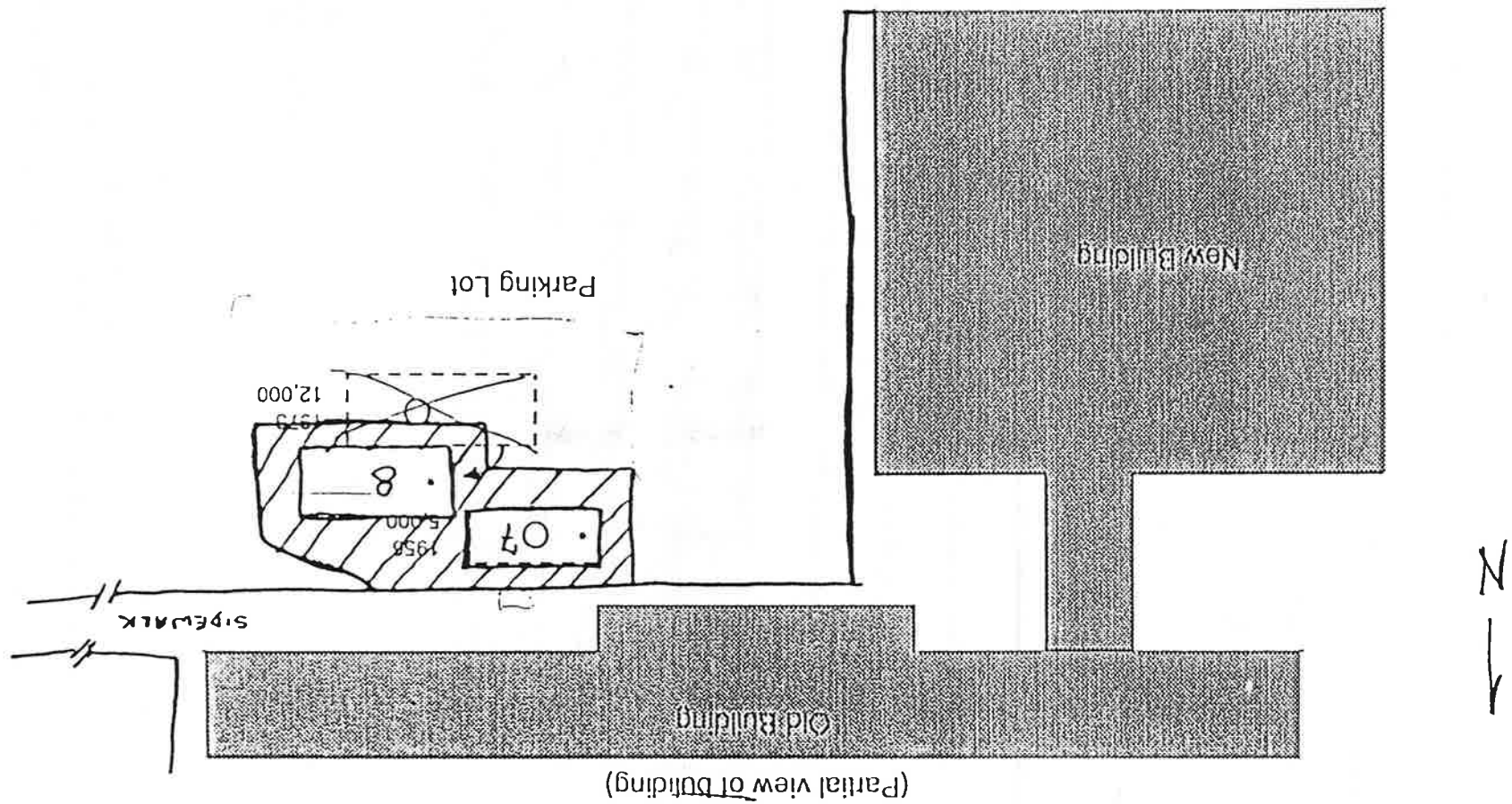
DATE	TIME	ON-SITE TECHNICIAN
8-21-89	08:00	Ok.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

- CHECKING SITES AROUND TOUR LINCOLN SCHOOL FINISHED.
 CONCRETE WORKERS HAVE FORMS FOR CURB & SIDEWALK
 SET TO POUR. THE STORAGE SHED @ THE HIGH
 SCHOOL HAS BEEN MOVED FORWARD INTO THE PARKING
 AREA. TANK 3 IS ACCESSIBLE TO REMOVAL.
 EQUIPMENT SET TO GO @ MELNIKEY. TANKS EMPTY.
 J.R. HIGH SITE IS QUIET THIS A.M., NO TRANS-
 PORTS ON SITE TO EMPTY TANKS THERE, YET.
 TANKS @ MELNIKEY SITE WILL BE DISMANTLED
 # 1 & 8, THE 5K GAL. TANK WILL BE # 9, & # 8
 IS THE ¹² ~~5K~~ GAL. TANK.
 - 10:00 - ONE WORKER ARRIVED ON-SITE, NO EQUIP.
 OPERATOR YET. APPEARS TO BE SITTING UP TO PUMP OUT
 REMAINING PETRO. MAT.
 - 11:30 - NO OPERATOR YET.

3 6	Mckinley Elementary School 423 14th St. NE, Owatonna, MN 55060	7/11/89	Drawn by: IEA
	OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - [---]		

NOTE:
 • Not to Scale
 • For Reference Only



(Partial view of building)

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-18-89	13:30	d.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

GARY MOVED SMALL LOADER TO WASH. SITE TO

SMOOTH OUT GRADE. BLDG. AT H.S. TO BE MOVED SAT.

MCKINLEY TANKS WILL BE EMPTY BY MON. 2. PM. IF

BACKFILL IS COMPLETED AT LINCOLN TODAY, EARLY

ENOUGH, WE WILL MOVE TO MCKINLEY AND SET UP OVER

5 K GAK. THANK THERE.

~~20:15~~ - WRAPPED.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-18-89	6:30	A.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

ARRIVED ON-SITE. 84 H TO BEGIN HAULING REMAINDER OF
CONTAM. SOIL OUT TO FARM TODAY. WILL CHECK
EXCAVATION FOR VAPORS.

~ 6:30 - CHECKED EXCAVATION FOR DETECTABLE VAPORS WITH
D.V.A., NON DETECTED. COLLECTED SAMPLES 6H-C. SOIL
CONTAINERS TO BE TRUCKED TO FARM. APPROX. 150 GALL.
VPS. TOTAL FOR PROJECT TO DATE.

CONTACTED BEL-AIR. TO PICK-UP SAMPLES @ DIST.
OFF @ APPROX. 11:00 HRS. TODAY. ANALYSIS AVAILABLE MON. A.M..
- 10:30 HRS. - VISITED FARM STORAGE SITE. PIC. # 30-34.
APPROX. 200 GALL. VPS. ALL SPREAD, NEARER PILE, ON
POLY SHEETS (4.2 MIL. THICK MEETS COMML. STANDARDS.).

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
14:00	8-12-89	Dr.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

MOVED SITE TO LINCOLN ELEM. DESIGNATING
TANK # 6. 1 DR GAR. UNDER THE SIDEWALK
IN FRONT OF THE BLDG. PIC. # 24, PUNGING TANK.

- 16:00 - SITE APPEARS TO BE CONTAMINATED. RANDOM
READINGS OF SOIL REMOVED FROM EXCAVATION INDICATE
CONCENTRATIONS OF FROM 30 TO 60 P.P.M. CONTAM. THROUGH-
OUT MOST OF THE EXCAVATED SOIL TO BE TRUCKED AWAY.
STILL UNABLE TO OBSERVE BOTTOM 1/2 OF TANK. SHOULD
BE VISABLE SOON.

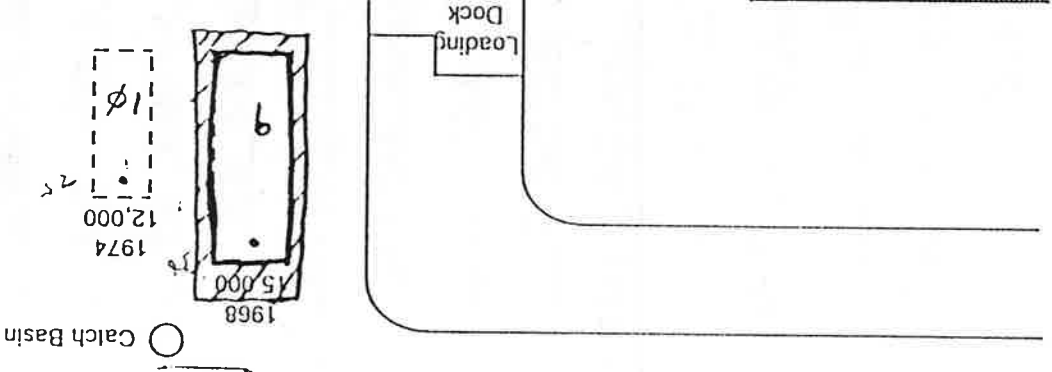
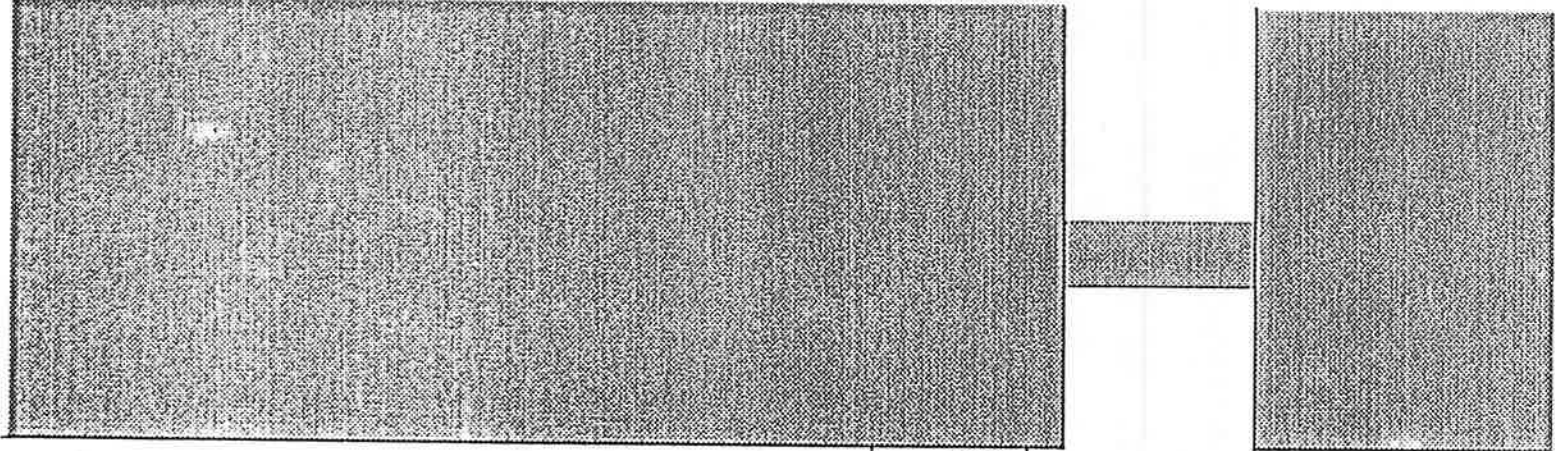
- 17:30 - WRAPPING FOR DAY. PIC. 25-29 (LINCOLN)

5 6	Owatonna Junior High School 500 15th St. NE, Owatonna, MN 55060	7/11/89	Drawn by: IEA
	OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - [---]		

NOTE:
 • Not to Scale
 • For Reference Only

▨ - EXCAVATION
 □ - TANK LOCATION

(Partial view of school)



N

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-27-89	15:00	Ca.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

TANK #3 REMOVED, INTACT. EXCAVATION APPEARS CLEAN.

Small amount of H₂O Accumulating in the bottom due to runoff from a tile-line. No apparent vapors in excavation & very little, 1:00 P.M. AS MEASURED BY THE O.V.A. IN THE ~~AREA~~ DISPLACING SOIL. PIC. # 1-9, SLIDE FILM #1 TANK #3 SITE. CREW BROKE FOR LUNCH WHILE

3. INSPECTED THE EXCAVATION SITE. WILL COLLECT SAMPLES WHEN BACKHOE OPERATOR RETURNS. ANOTHER

NOTE: VERY LITTLE DIBOR WITH THIS SITE OBSERVED CORNERS TO & NEARLY RABLE O.V.A. READINGS. BACKFILL SHOULD BE COMPLETING BY MID. AFTERNOON, WHERE-AS THE SITE WILL BE MOVED TO THE SXR. ~~BY~~ H.S.

15:30 - BACKFILL ALMOST COMPLETING. PIC. # 10-11 OF SLIDE FILM SHOW BACKFILL & COMPACTING. EXPECT TO MOVE EQUIP. TO JR. H.S. SITE SOON.

16:00 - WRAPPED. PIC. # 12-15, STOCKPILING SOIL.

GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-24-89	08:00	CR.

Work Product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

UR. HIGH IS LAST SITE. 2 TANKS # 9 & 10. # 9 IS A 15K GAL. INSTALLED IN '68. # 10 IS A 12K GAL. INSTALLED IN '74. EVIDENCE OF PREVIOUS SPILL ON SURFACE. GRASS NOT GROWING IN WELL. CONTAINED AT THE TIME, I AM TOLD.

- 09:00 - SPOKE WITH LAB. @ MELBURY RESULTS. EXTREMELY CLEAN. APPARENTLY WE COLLECTED ALMOST ALL OF THE CONTAMINATED SOIL. LEVEL THAT REMAINING IS ENTIRELY AScribable TO THE M.P.C.D. 2:10 P.M.,

[AND ONLY IN ONE SAMPLE.]

- 10:30 - PIC # 14 # 22 TANK # 9 (1ST ROLL SLIDE)
 PIC # 1 # 19 TANK # 10 (2ND ROLL SLIDE)

TANK # 9 OUT & LOADED, VERY LITTLE CONTAMINATION RECEIVED. ONLY ABOUT 10% STRECOX READINGS TO BE REMOVED. READINGS OF CONT. SOILS RANGING FROM 8 TO 20 P.P.M. •

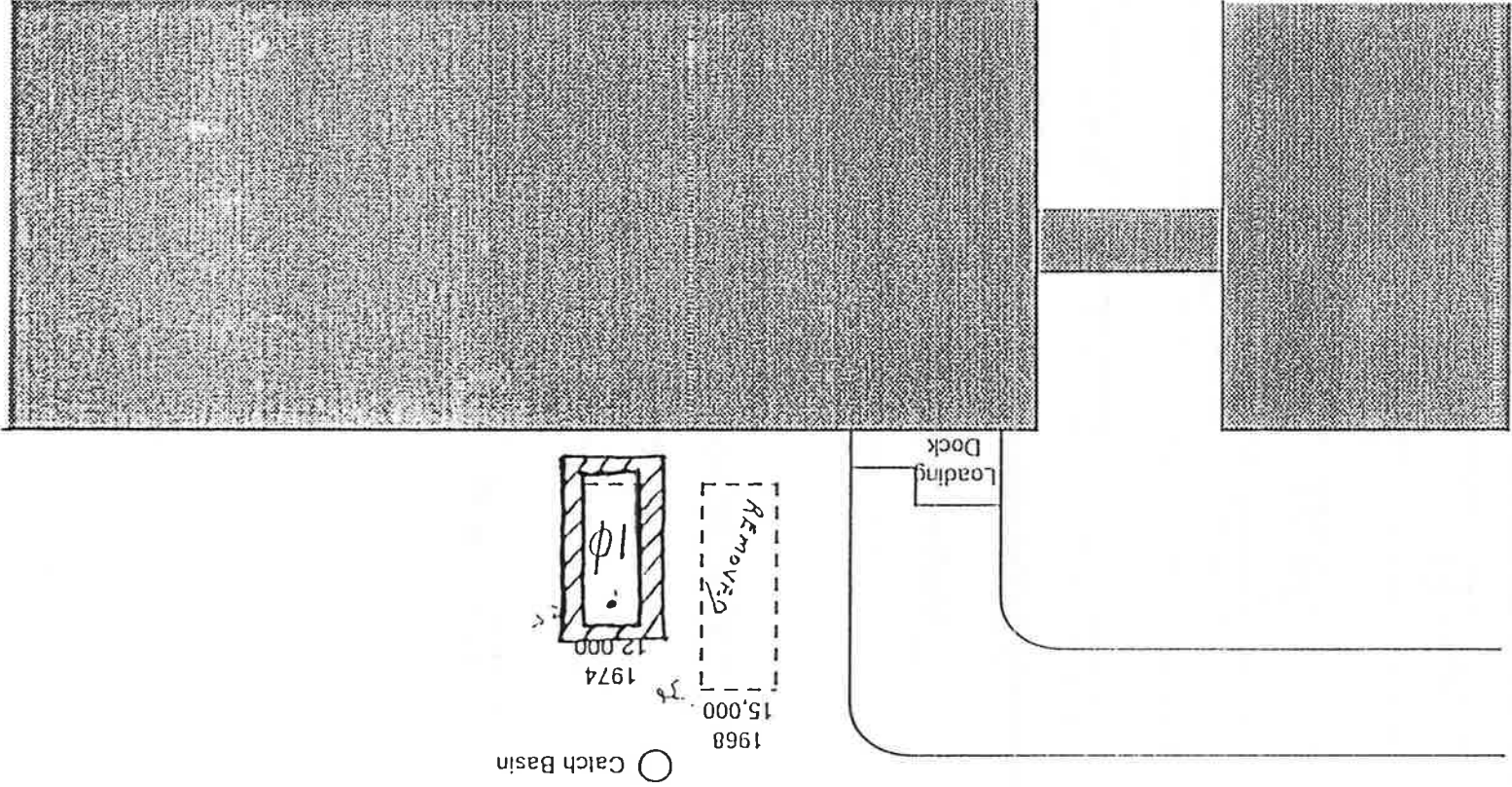
5 6	Owatonna Junior High School 500 15th St. NE, Owatonna, MN 55060	Drawn by: IEA 7/11/89
	OWATONNA PUBLIC SCHOOLS - DISTRICT 761 Underground Storage Tank Locations - [---]	

NOTE:

- Not to Scale
- For Reference Only

[---] - EXCAVATION
 [] - TANK LOCATION

(Partial view of school)



GENERAL ACTIVITIES

DATE	TIME	ON-SITE TECHNICIAN
8-24-89	12:00	A.

Work product of Institute for Environmental Assessment, Inc. any disagreement with observations set forth herein must be reported to IEA in writing within 24 hours.

TANK # 10 SITE CLEANER OUT. NO CONTAMINATION
 SOIL TO BE REMOVED FROM SITE. SAMPLES
 COLLECTED & CANS ARE BEING PACKED
 PROGRESS. PICTURES # 1-# 19 OF JR. HIGH
 SITE. PICTURES # 20 THRU # 25 WILL BE TAKEN
~~IN THE SOUTH SIDE~~ OUT ACCORDING TO RECORD OF TIME (PAGES)

RESULTS = mg./KG.
P.E.T.X & TOT. HC.

DATE	SAMPLE #	LOCATION	COMMENTS	RESULTS
8-11-89	U578A-1A	EAST END OF TANK #1	HIGH SCHOOL SITE	68
"	1B	WEST END OF TANK #1	"	28
"	1C	FILLER TUBE AREA, #1	"	23
"	2A	WEST END, TANK #2	"	<1
"	2B	EAST END TANK #2	"	26
"	2C	FILLER, TANK #2	"	590
8-14	4A	NORTH END, TANK #4	WILSON ELEM. SITE	<1.
"	4B	SOUTH END, TANK #4	"	<1.
"	4C	FILLER AREA, TANK #4	"	<1.

~~P.E.T.X~~

B.E.T.X.

TOT. H.C. = TOTAL HYDROCARBONS

F.O. = TOTAL HYDROCARBONS AS FUELOIL.

D.E.T. 101. H.C F.D. > P.K.M.

DATE	SAMPLE #	LOCATION	COMMENTS	RESULTS		
8-15-87	H.S. - S1	HIGH SCHOOL SITE E. WALL, NORTH	S. BOUNDARY OF EXCAVATION AREA.	41.	41.	1.9
8-16-87	SA	WASH. SCHOOL N. END	NO APPARENT VARIOS	41.0	41.0	41.0
"	SB	WASH. SCHOOL S. END	APPROX. 130 P.M. (EST.)	41.0	41.0	13.0
"	SC	WASH. SCHOOL. FILLER AREA	APPROX. 142 P.M. (EST.)	41.0	41.0	13.0
8-17-87	SD	N. END	2ND SET AFTER CLEANING OUT.	41.0	41.0	41.0
"	SE	S. END	"	41.0	41.0	9.1
"	SF	FILLER.	"	41.0	41.0	41.0

DATE	SAMPLE #	LOCATION	COMMENT	P.P.M.		
				B.E.T. X	TO. HC	HC. F.Ø.
8-18-89	6A	NORTH EDGE OF EXCAVATION	TANK SET PARTWAY UNDER WALK & DRIVE.	41.Ø	41.Ø	72Ø
"	6B	SOUTH EDGE OF EXCAVATION		41.Ø	41.Ø	58Ø
"	6C	FILLER TUBE AREA		41.Ø	41.Ø	15
8-21-89	7A	MCKINLEY ELEM. SCHOOL W. END. 5KGAL.	TANKS SETTING E&W PARALLEL TO BUILDINGS.	41.Ø	41.Ø	41.Ø
"	7B	E. END. "		41.Ø	41.Ø	41.Ø
"	7C	FILLER "		41.Ø	41.Ø	41.Ø
"	8A	W. END 12 KGAL.	ALSO SET PARALLEL TO BUILDING #7	41.Ø	41.Ø	41.Ø
"	8B	E. END "		41.Ø	41.Ø	8.7
"	8C	FILLER "		41.Ø	41.Ø	41.Ø

P.P.M.

DATE	SAMPLE #	LOCATION	COMMENTS	P.P.M.		
				RETX.	TOT. MC.	MC. FB.
8-23-89	3A	HIGH SCHOOL TANK #3, WEST END	SITE APPEARED QUITE CLEAN.	41.0	41.0	12.0
"	3B	" , EAST END		41.0	41.0	41.0
"	3C	" , FILLER AREA		41.0	41.0	28
8-24-89	9A	JR. HIGH SCHOOL 15K. GNL. NORTH END		41.0	41.0	9.2
"	9B	" SOUTH END		41.0	41.0	41.0
"	9C	" FILLER AREA		41.0	41.0	24
"	10A	JR. HIGH SCHOOL 12K. GNL. NORTH END		41.0	41.0	26
"	10B	" SOUTH END		41.0	41.0	41.0 41.0
"	10C	" FILLER AREA		41.0	41.0	12.0

APPENDIX F

Photos

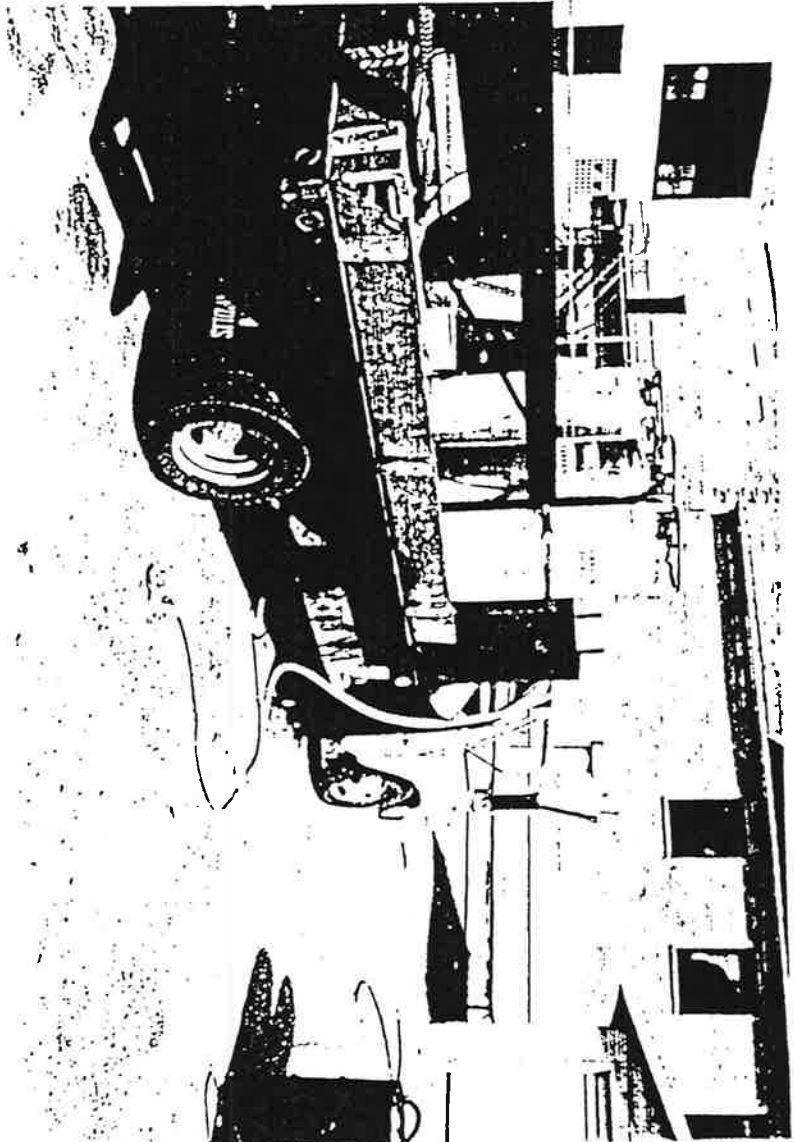


Photo 1. Owatonna Senior High--Tank Purging

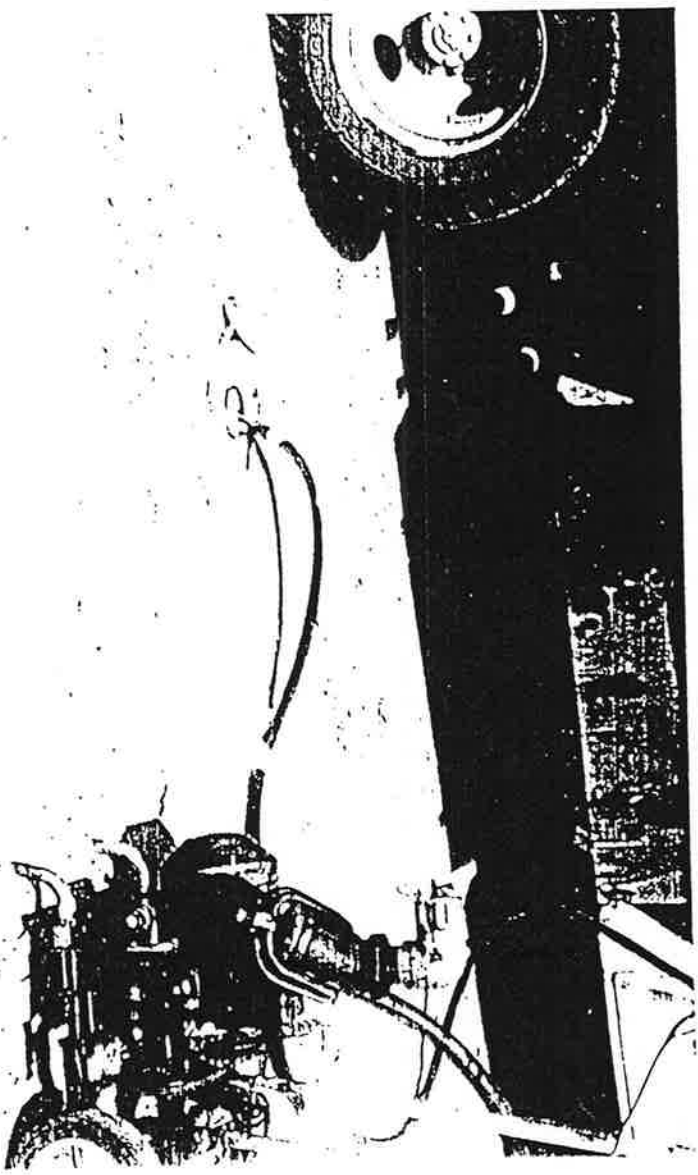


Photo 2. Owatonna Senior High--Tank Purging



Photo 3. Owatonna Senior High--Excavating Tank No. 1

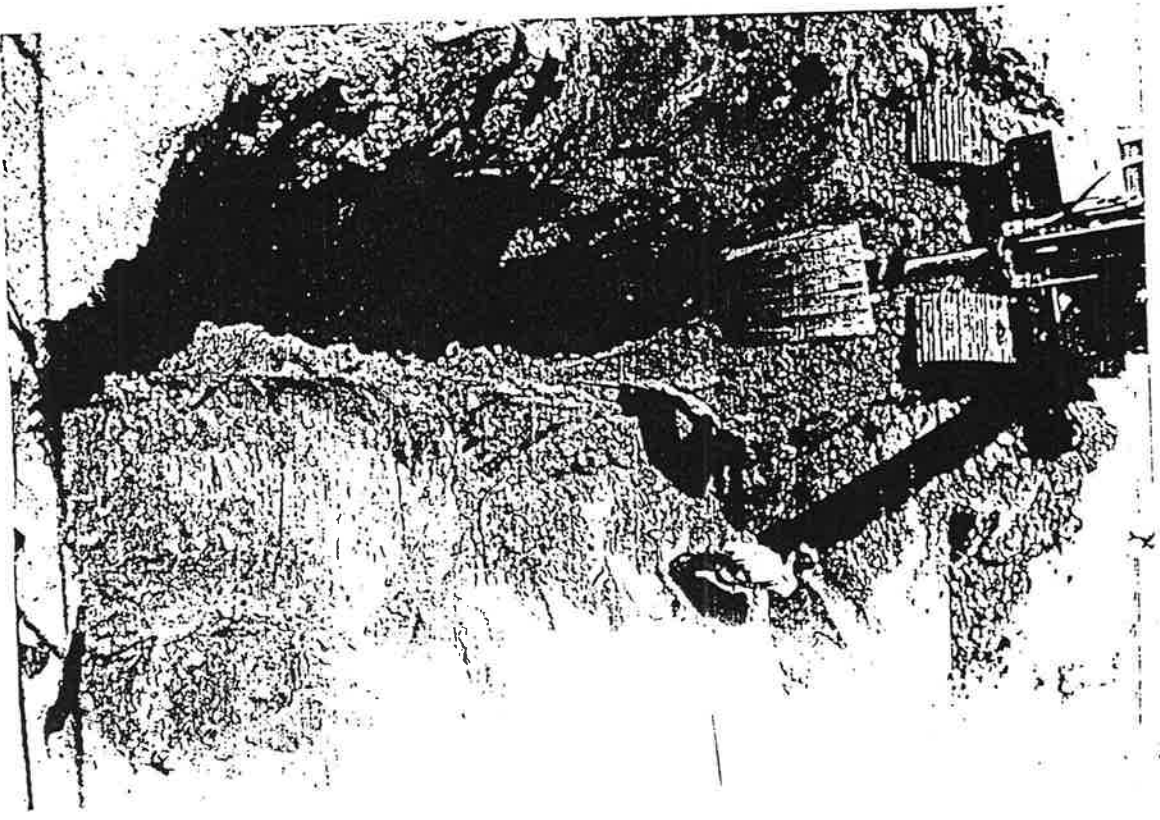


Photo 4.
Owatonna Senior High
Excavating Tank No. 1



Photo 5. Owatonna Senior High--Uncovering Tank No. 1

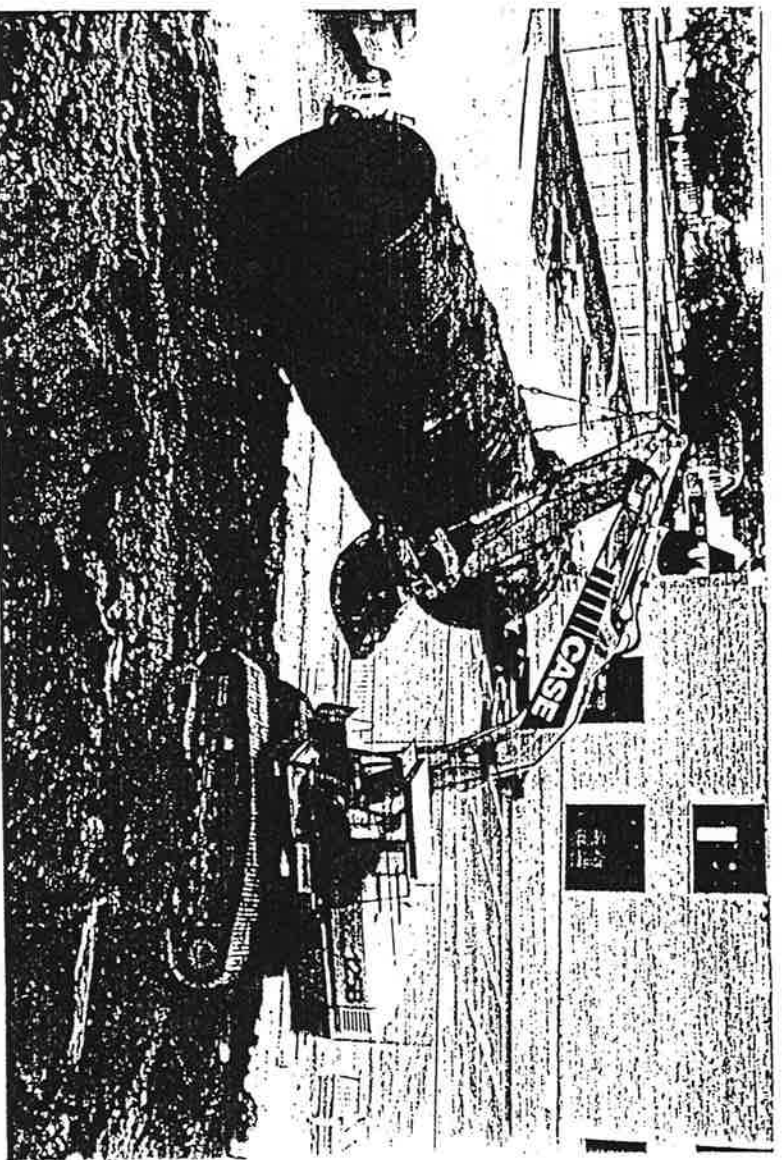


Photo 6. Owatonna Senior High--Removing Tank No. 1

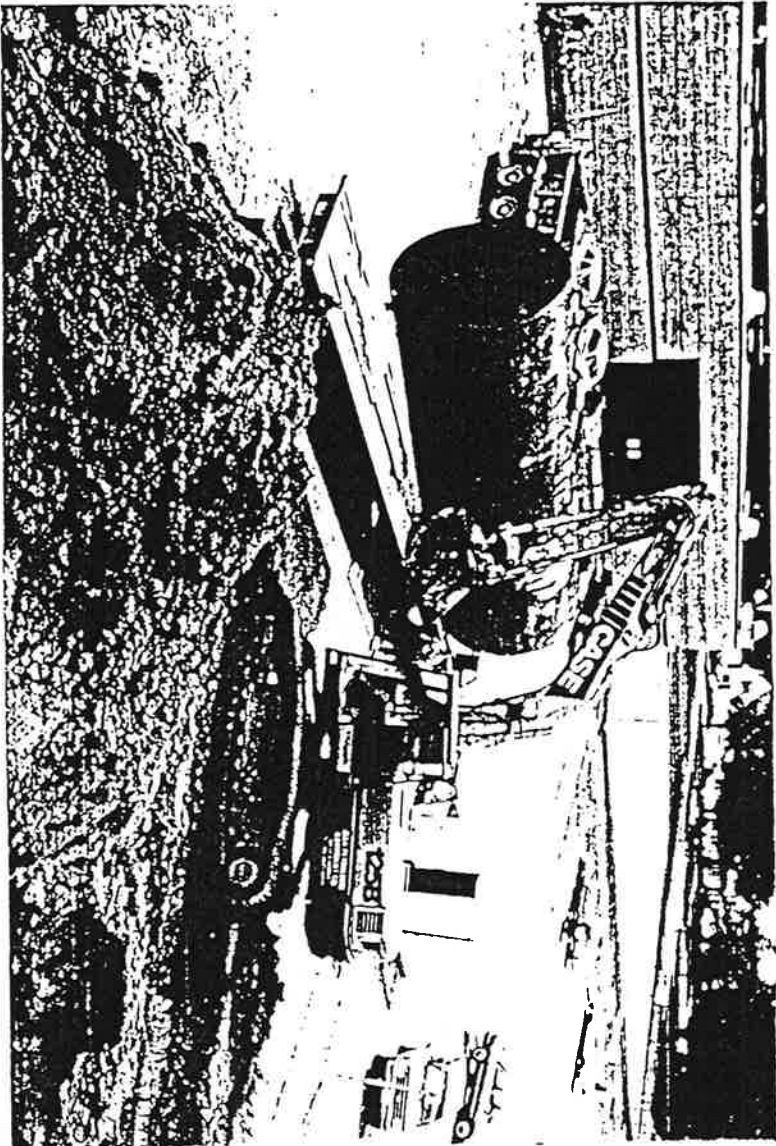


Photo 7. Owatonna Senior High--Loading Tank No. 1 for Disposal

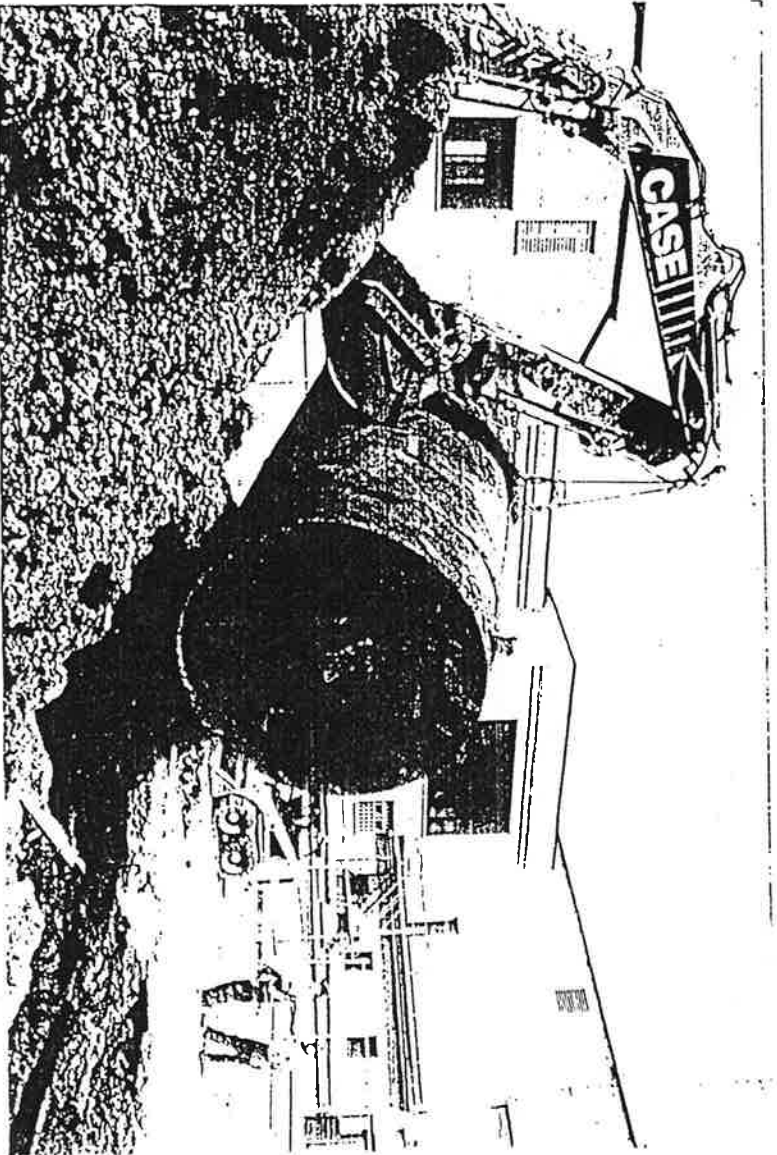


Photo 8. Owatonna Senior High--Removing Tank No. 2

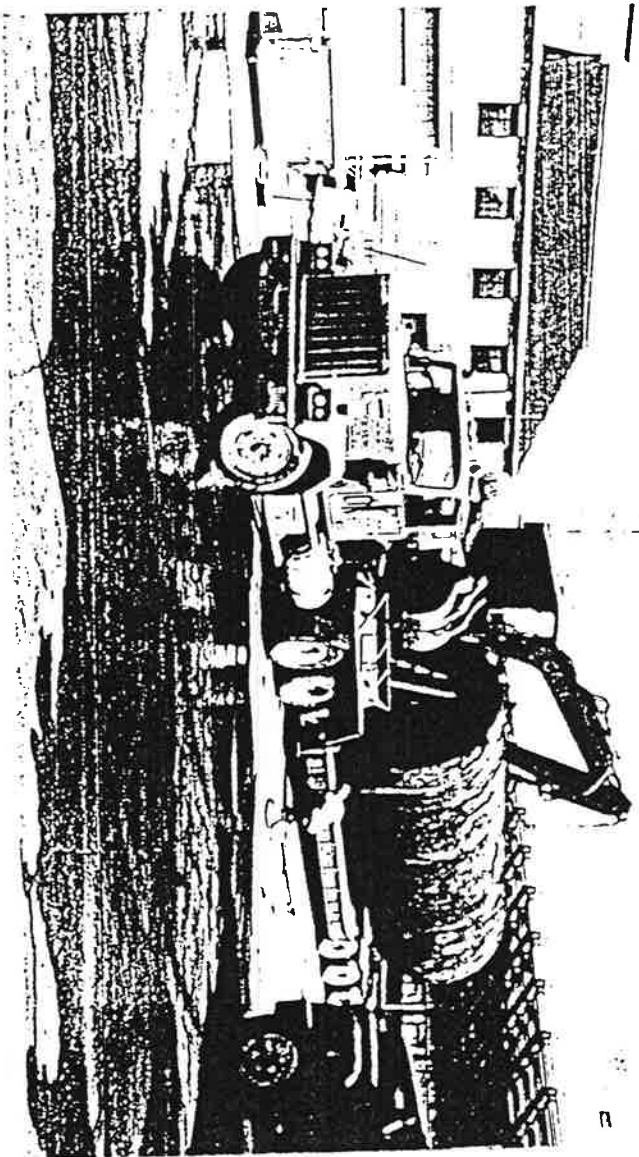


Photo 9. Owatonna Senior High--Loading Tank No. 2 for Disposal

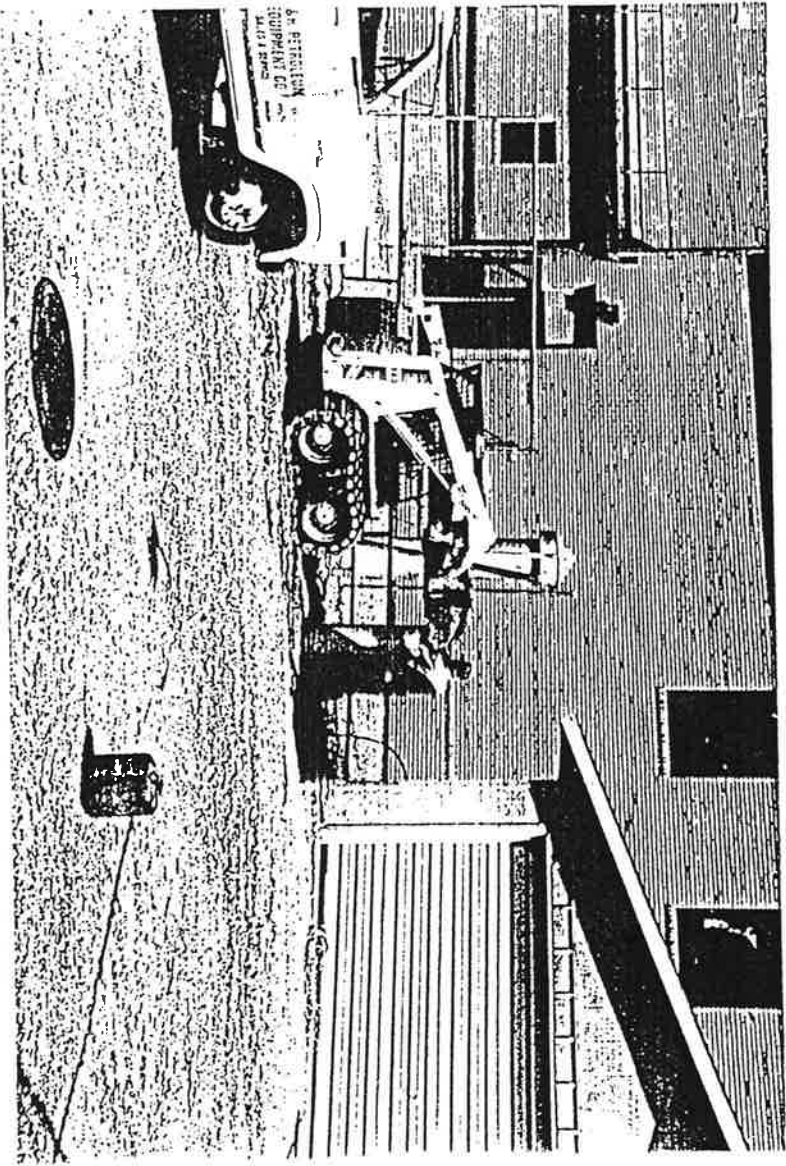


Photo 10. Owatonna Senior High--Purging Tank No. 3



Photo 11. Wilson Elementary--Uncovering Tank No. 4

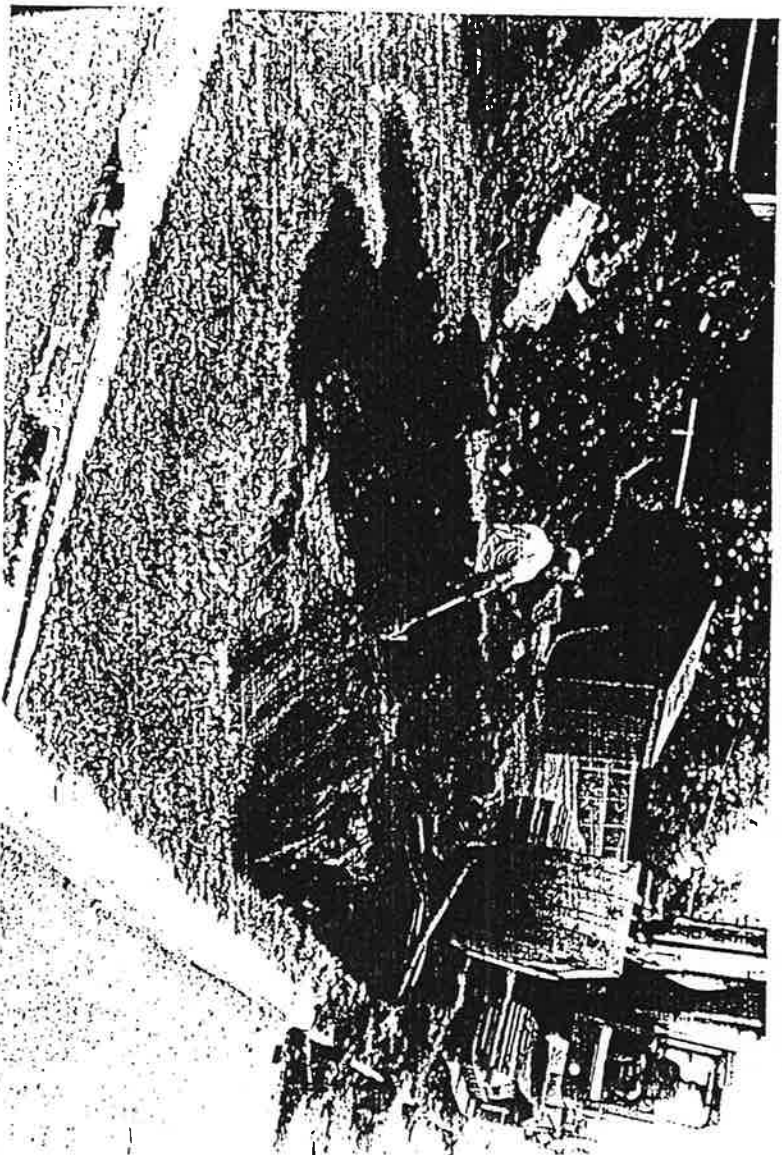


Photo 12. Wilson Elementary--Uncovering Tank No. 4

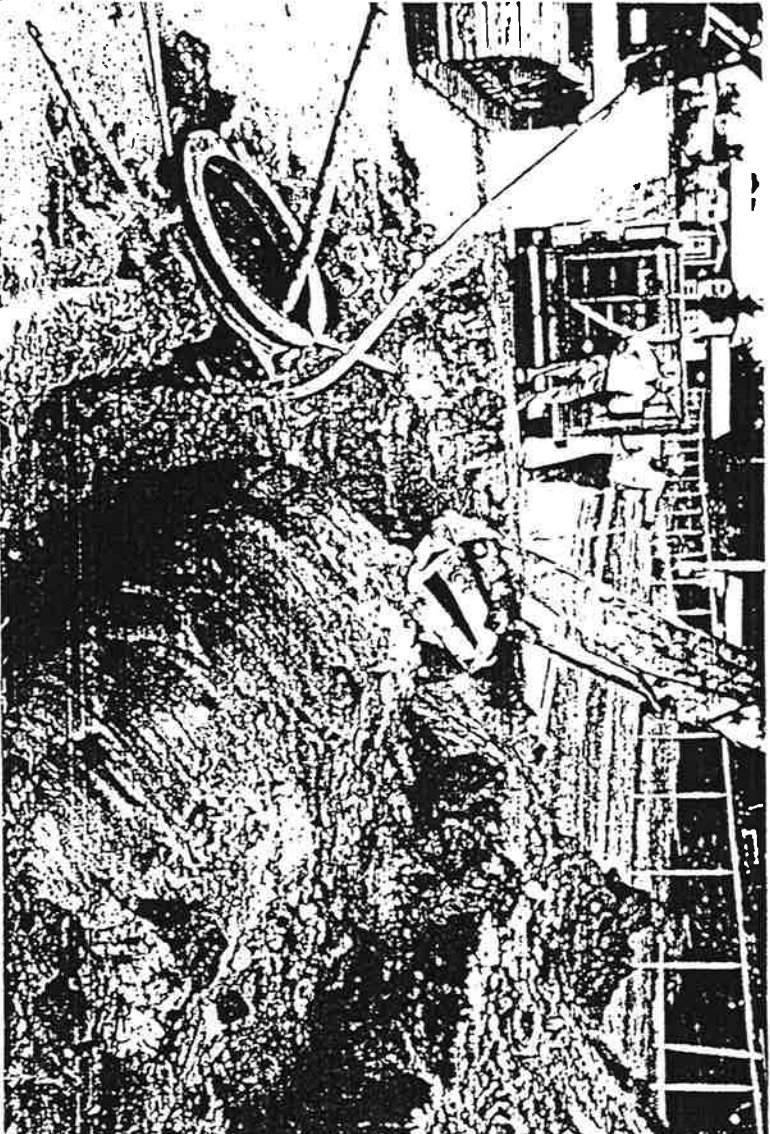


Photo 13. Wilson Elementary--Removing Tank No. 4

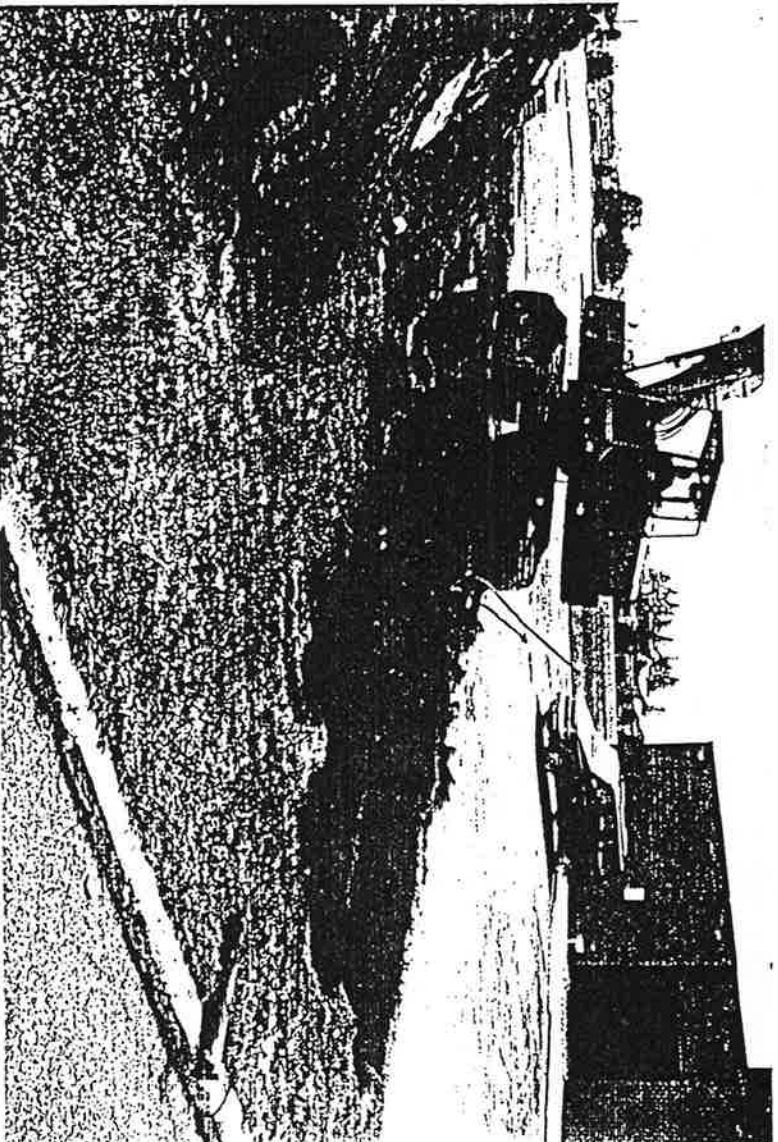


Photo 14. Wilson Elementary--Tank No. 4 Removal

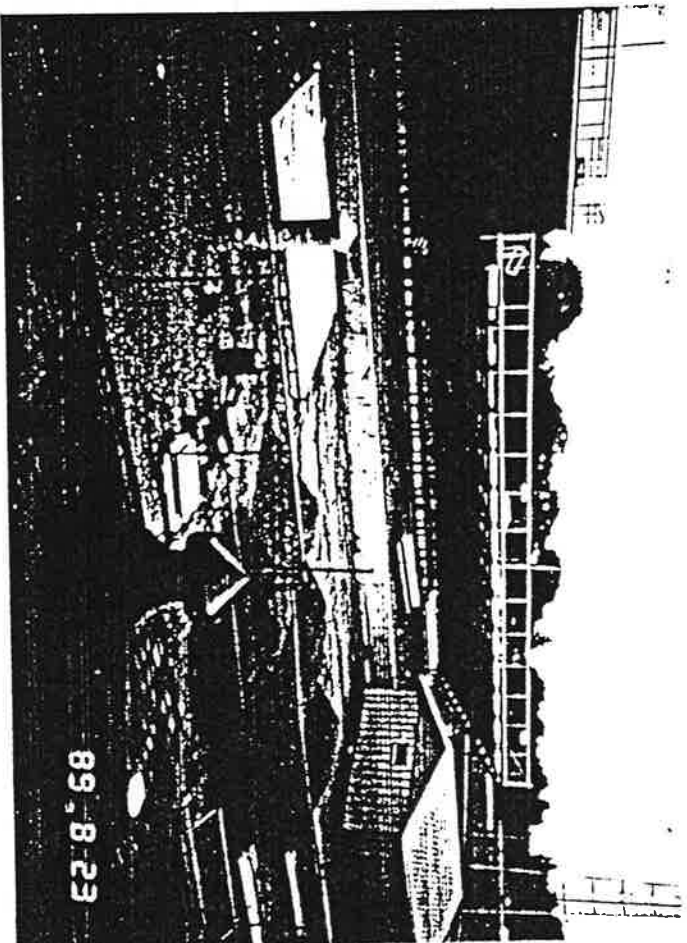


Photo 15. Owatonna Senior High--Removing Out Building Over Tank No. 3

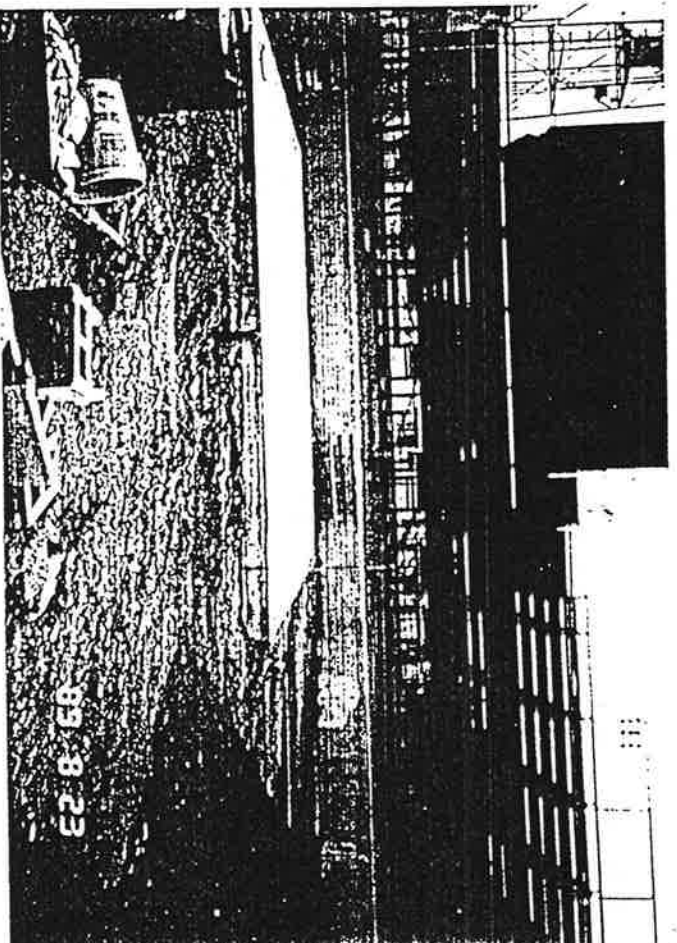


Photo 16. Owatonna Senior High--Foundation Slab Over Tank No. 3



Photo 17. Owatonna Senior High--Breaking Up Slab Over Tank No. 3



Photo 18. Owatonna Senior High--Uncovering Tank No. 3



Photo 19. Owatonna Senior High--Pulling Tank No. 3

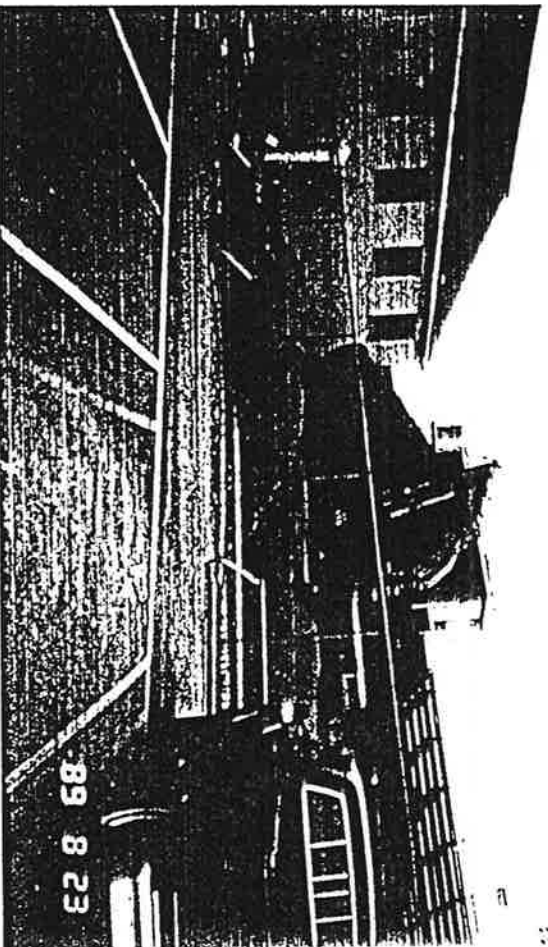


Photo 20. Owatonna Senior High--Loading Tank No. 3



Photo 21. Owatonna Senior High--Removing Tank No. 3

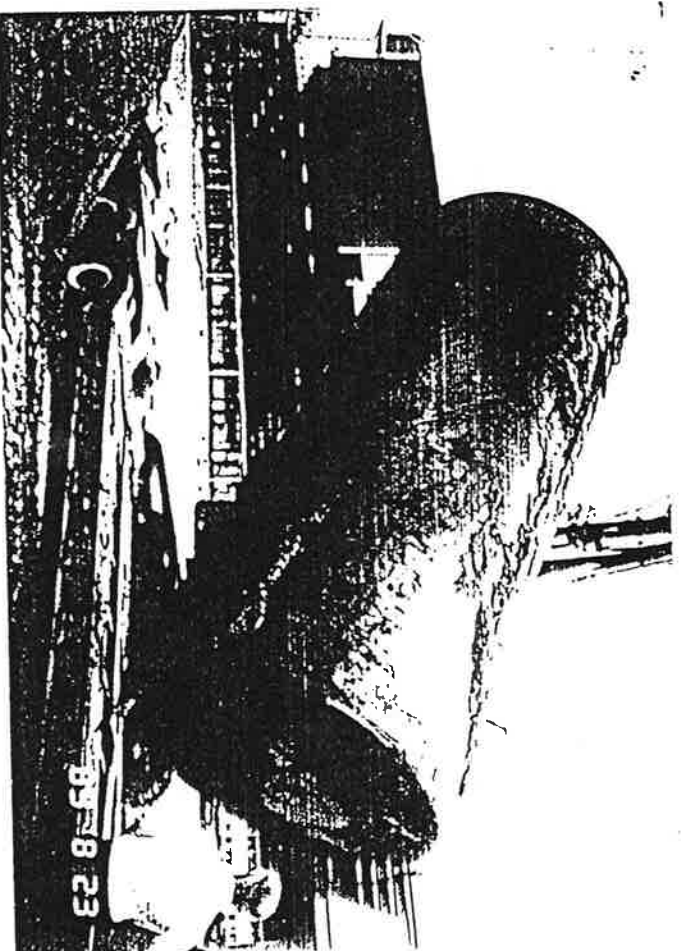


Photo 22. Owatonna Senior High--Loading Tank No. 3 for Disposal

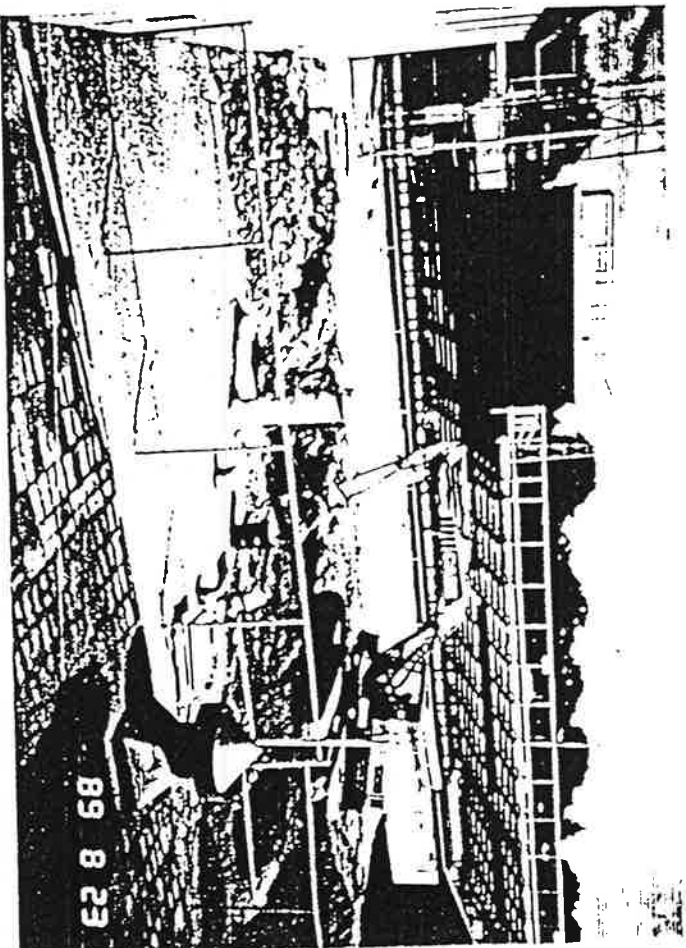


Photo 23. Owatonna Senior High--Restoring the Removal Site

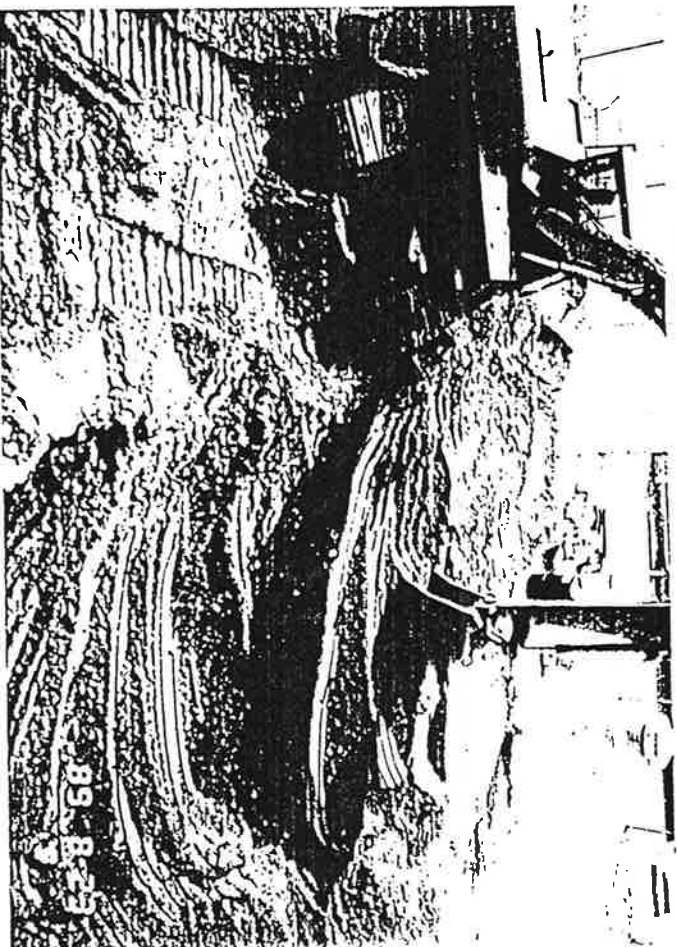


Photo 24. Owatonna Senior High--Restoring the Removal Site

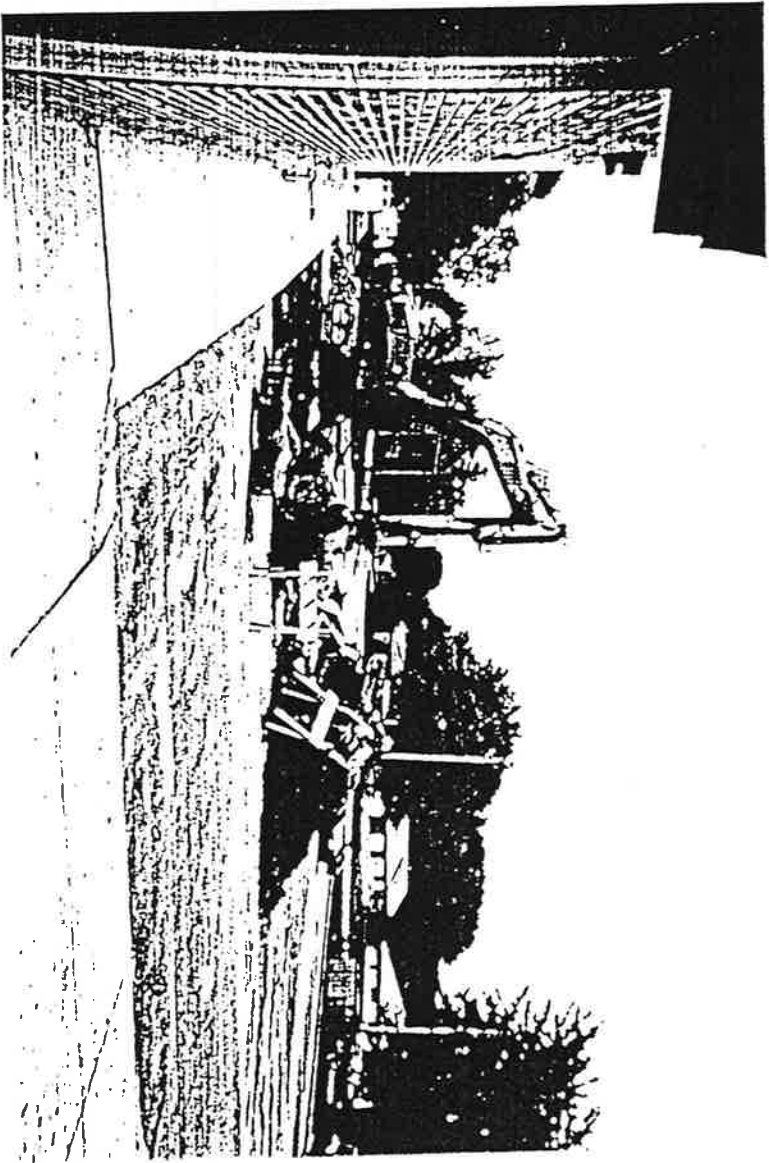


Photo 25. McKinley Elementary

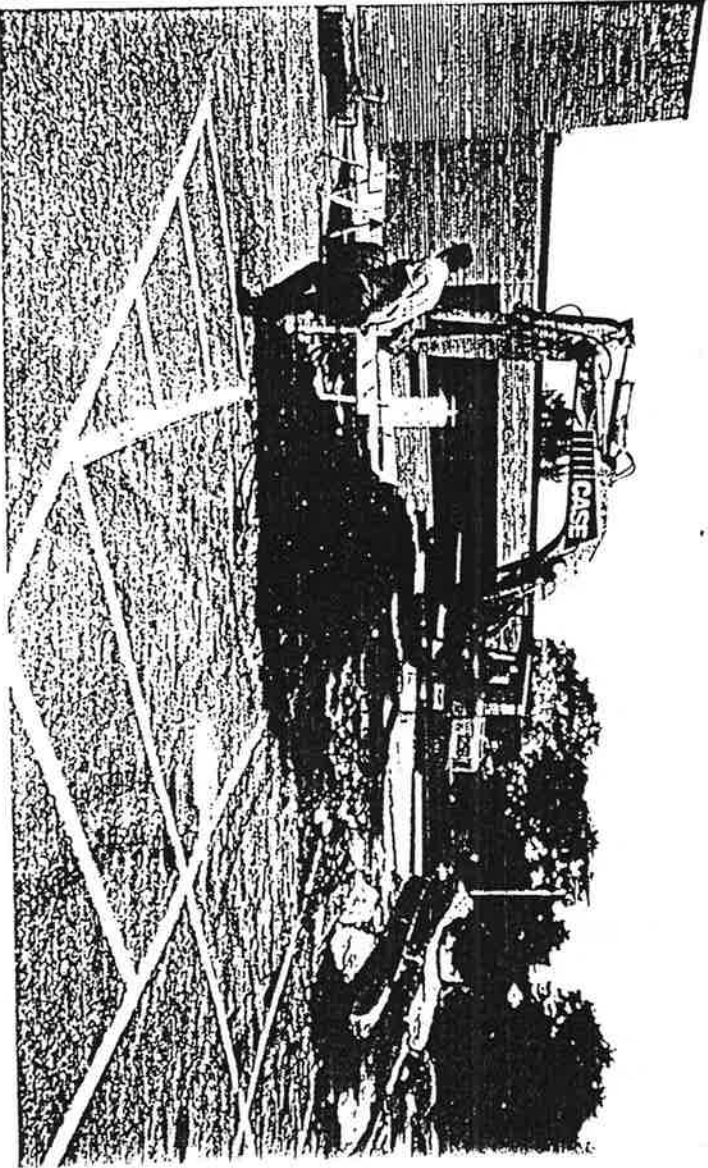


Photo 26. McKinley Elementary



Photo 27. McKinley Elementary

Photo 28.
McKinley Elementary
Uncovering Tank No. 7
and Tank No. 8

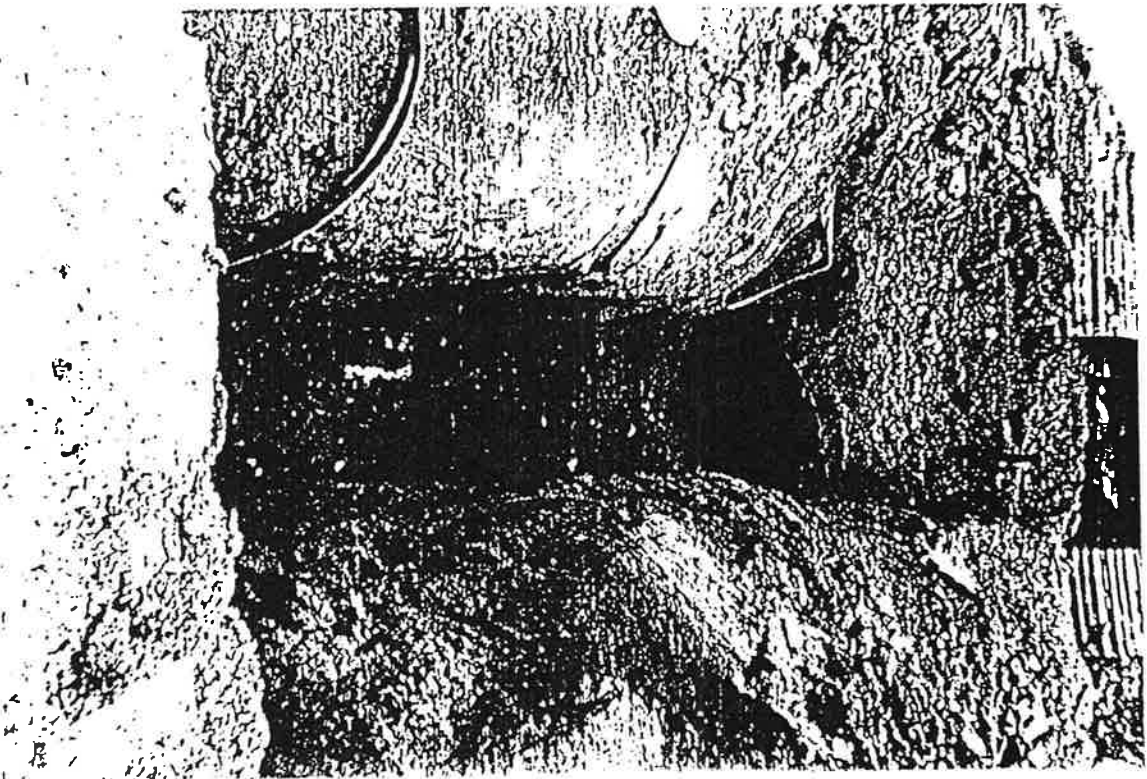




Photo 29. McKinley Elementary--Tank No. 7 and Tank No. 8

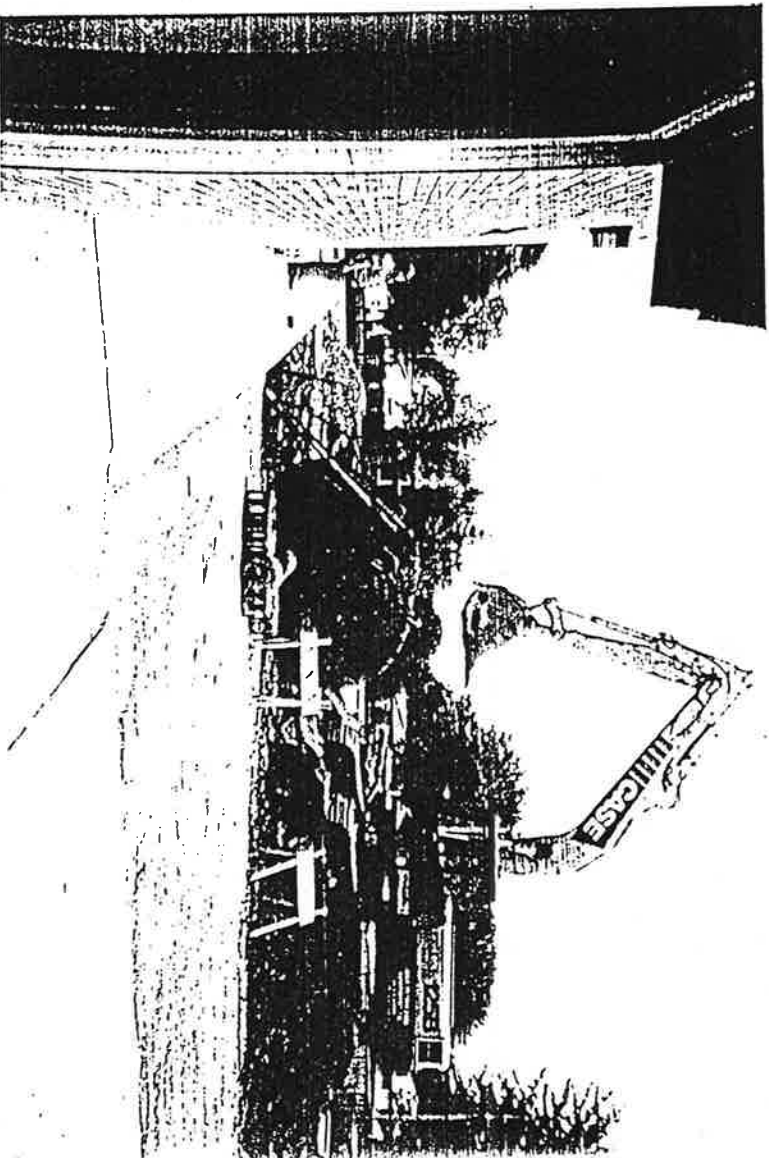


Photo 30. McKinley Elementary--Tank No. 7 Removal



Photo 31. McKinley Elementary--Tank No. 7 Basin



Photo 32. McKinley Elementary--Removal of Tank No. 8

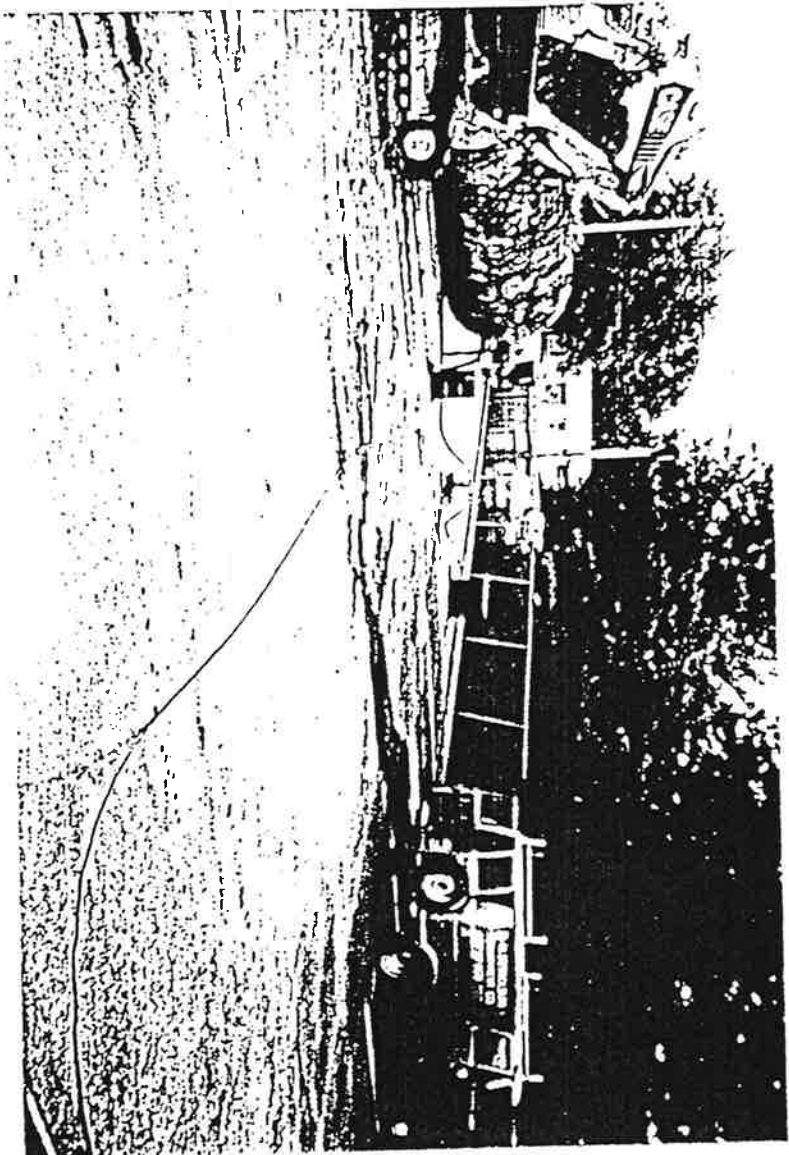


Photo 33. McKinley Elementary--Tank No. 8 (Small Leak From Rust Hole)



Photo 34. McKinley Elementary--Showing Rust Pit

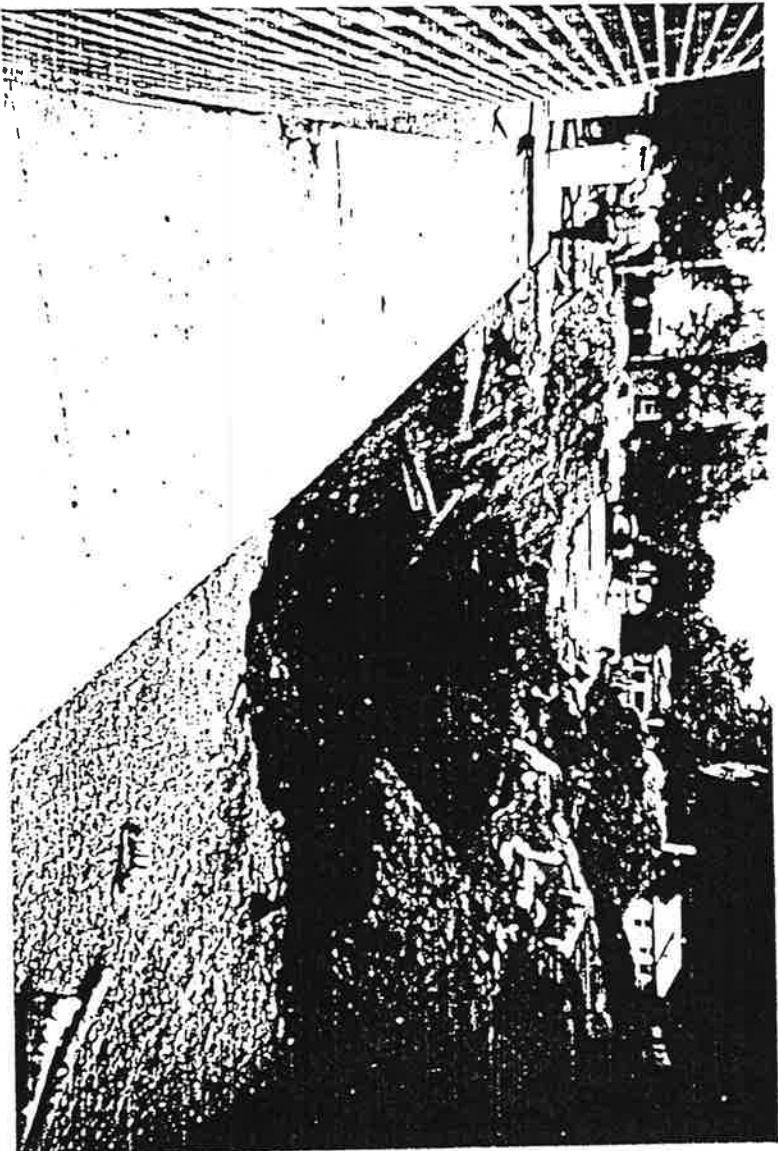


Photo 35. McKinley Elementary--Basin

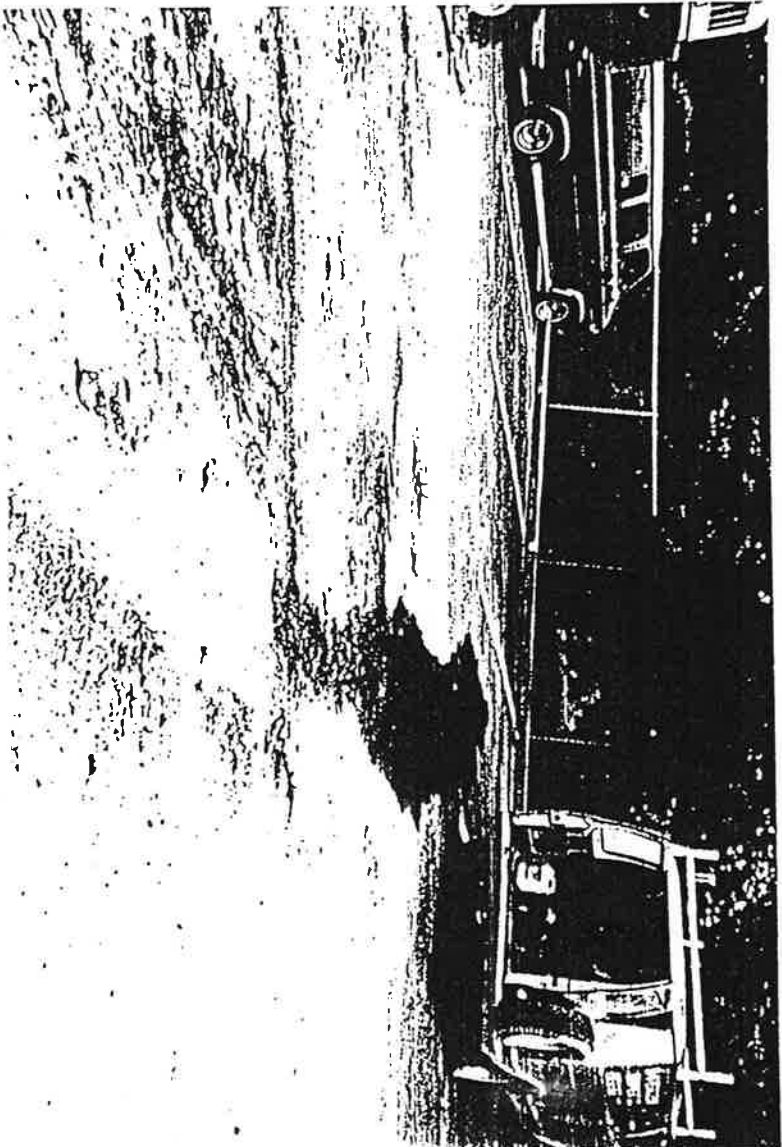


Photo 36. McKinley Elementary--Small Release

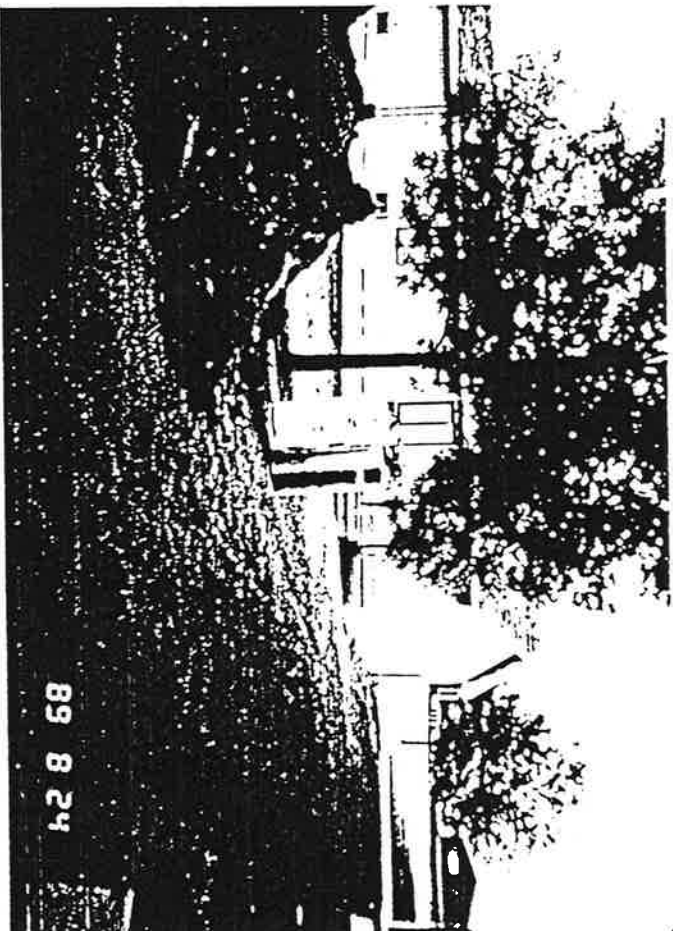


Photo 37. Owatonna Junior High--Purging and Uncovering
Tank No. 8 and Tank No. 10



Photo 38. Owatonna Junior High--Uncovering Tank No. 9



Photo 39. Owatonna Junior High--Tank No. 9 Removal



Photo 40. Owatonna Junior High--Removing Tank No. 10

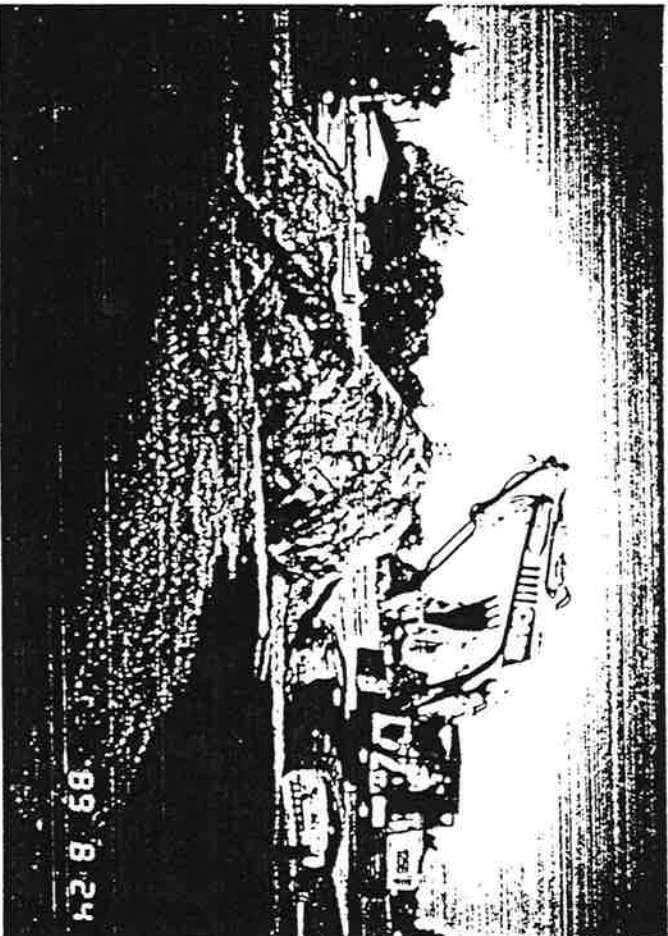


Photo 41. Owatonna Junior High--Removing Tank No. 9

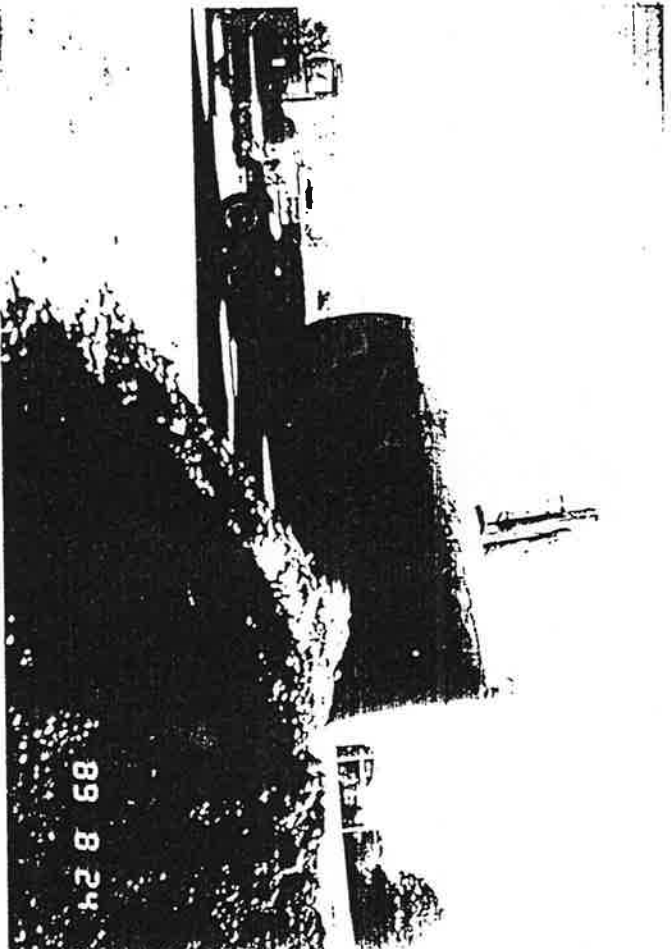


Photo 42. Owatonna Junior High--Loading Tank No. 10 for Disposal

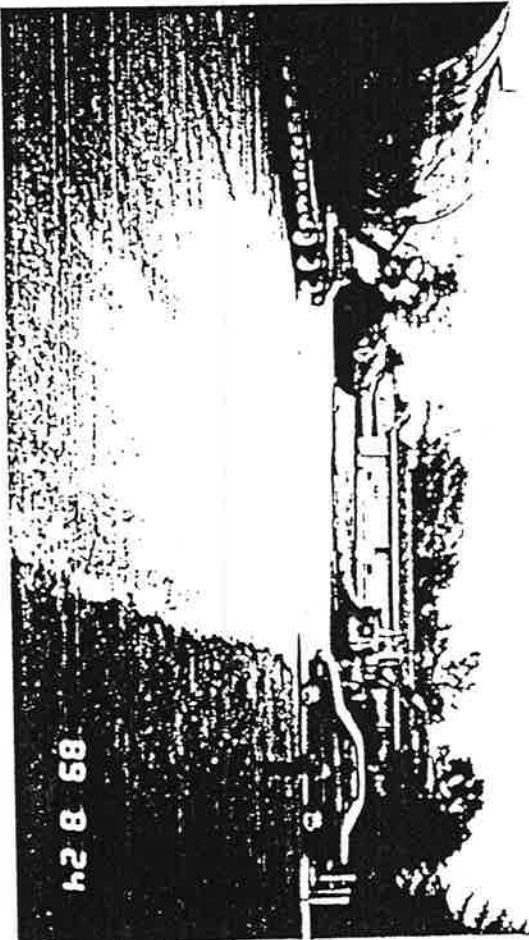


Photo 43. Owatonna Junior High--Tank No. 10 Loaded



Photo 44. Owatonna Junior High--Excavation Basin

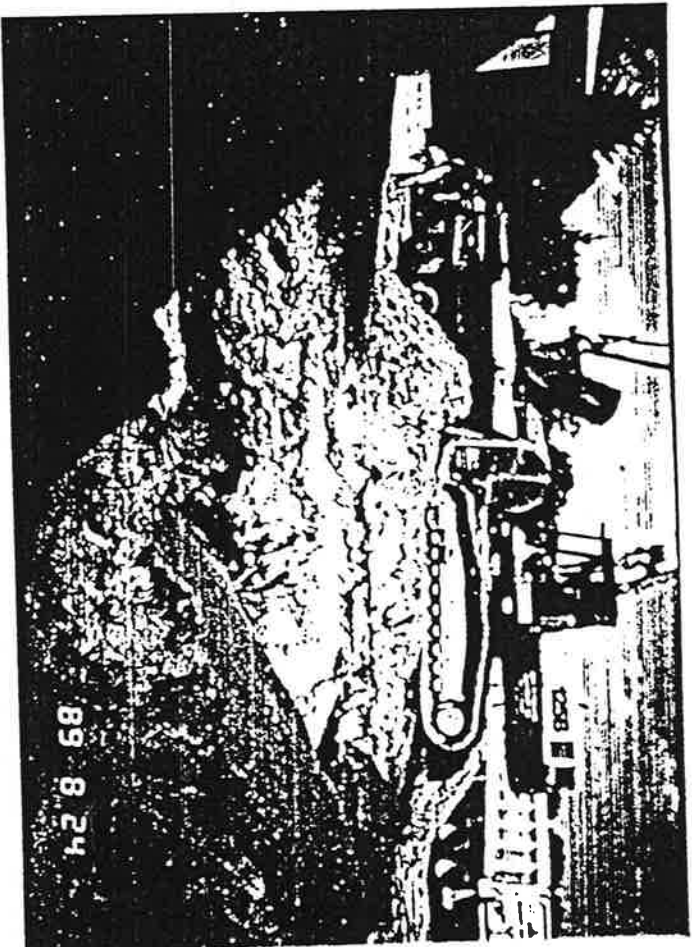


Photo 45. Owatonna Junior High--Removing Soil

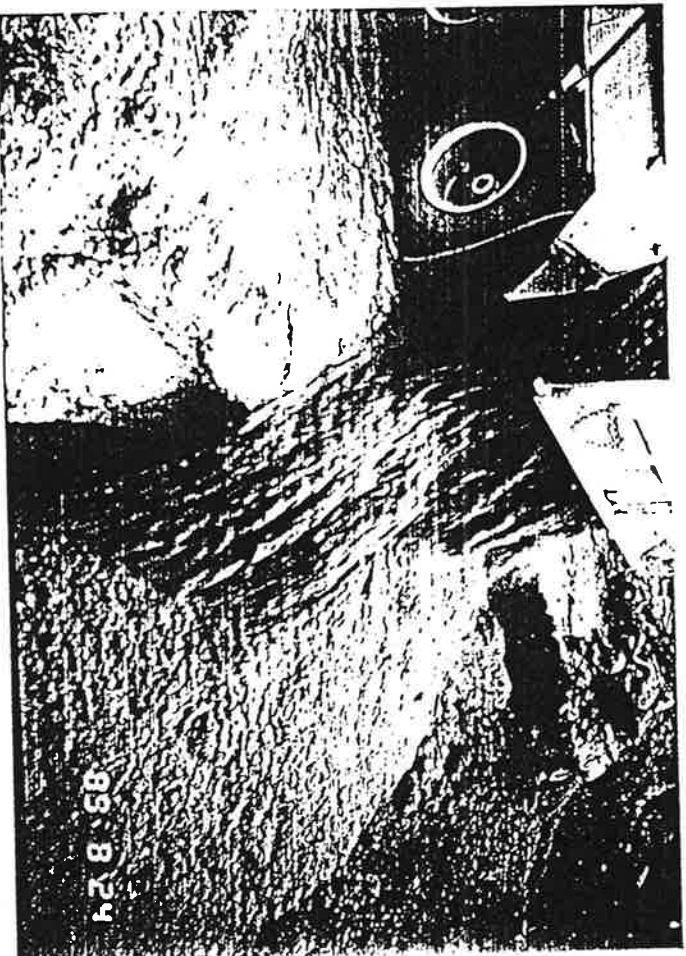


Photo 46. Owatonna Junior High--Replacing Clean Fill