



George E. Meyer, Secretary  
William H. Smith, District Director

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

NORTHWEST DISTRICT HEADQUARTERS

P.O. Box 309

STH 70 West & First Street  
Spooner, Wisconsin 54801

TELEPHONE 715-635-2101

TELEFAX 715-635-4105

June 14, 1995

Mr. Ronald Beidelman  
Division Environmental Specialist  
ENRON Northern Natural Gas Company  
Suite 209, 7901 Xerxes Avenue South  
Minneapolis, Minnesota 55431

Re: **Mercury Contamination Related to Meter Stations**  
NWD ERRP Cases # **55-00141 Ladysmith**  
51-00142 Park Falls  
16-00143 Superior

Dear Mr. Beidelman:

This letter is to advise you that the three referenced sites were presented to the Northwest District Closeout Committee (Committee) for review. Presentation to the Committee was primarily based on your August 1994 submittal, Final Report for Meter Site Remedial Activities in Wisconsin, and your responses to my November 10, 1994 and May 23, 1994 letters

On June 13, 1995, review of the information available on the sites was completed by the Committee for a determination for case close-out as provided in ch. NR 726, Wis. Adm. Code. Based on the documentation submitted it appears as though the sites have been remediated to standards acceptable to the Department of Natural Resources (Department). Therefore, the Department considers the three referenced sites "closed" and no further action is necessary at this time.

You should note that this letter does not constitute Department "verification" under s.144.765 (2) (a) 3, WI Stats., as created by 1993 Wisconsin Act 453 (May 12, 1994). Persons who meet the definition of "purchaser" in s. 144.765 (1) (c), Wis. Stats., must receive Department pre-approval prior to conducting a site investigation in order to be eligible for the liability exemption under s. 144.765, Wis. Stats. For more information regarding Wisconsin Act 453, call (800) 367-6076 (in state long distance) or (608) 264-6020 local or out-of-state).

Additionally, based on the results of your initial investigation of the Ashland Meter Station, noted in your April 5, 1994 submittal, no further action is necessary at this time for that location. The Ashland location was not placed on tracking as a site.

Should you have any questions regarding the above please contact me at (715) 635-4048.

Sincerely;

Terry Koehn  
District ERP Hydrogeologist

cc: T. Kendzierski/G. LeRoy  
S. Ashenbrucker  
B. Evans

NWD/Spooner  
NWD/Park Falls  
WD





# 55-00141

NWD TRACKING UPDATE FORM

SITE NAME: EUROW/Ladysmith Meter Station

NEW NAME: \_\_\_\_\_

LEGAL DESCRIPTION: \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 SECT. \_\_\_\_\_ TOWN \_\_\_\_\_ N RANGE \_\_\_\_\_ E/W

RESPONSIBLE PARTY:

Company Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_/\_\_\_\_-\_\_\_\_\_

cc's: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONSULTANT:

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_/\_\_\_\_-\_\_\_\_\_

SUBSTANCES:

	# Tank(s)	Size
___(1) Leaded Gas	_____	_____
___(2) Unleaded Gas	_____	_____
___(3) Diesel	_____	_____
___(4) Fuel Oil	_____	_____
___(5) Unkwn Hydrocrbn	_____	_____
___(8) Other:	_____	_____
___(12) Waste Oil	_____	_____

IMPACTS:

- \_\_\_(1) Fire/Explosion Threat
- \_\_\_(2) Contaminated Private Well(s) # \_\_\_\_\_
- \_\_\_(3) Contaminated Public Well
- \_\_\_(4) Groundwater Contamination
- \_\_\_(5) Soil Contamination
- \_\_\_(6) Other: \_\_\_\_\_
- \_\_\_(7) Surface Water
- \_\_\_(9) Floating Product

CASE STATUS:

	Start Date	Stop Date
(E) Emergency Response	___/___/___	___/___/___
(R) LTF Emergency	___/___/___	___/___/___
(L) Long Term Monitoring	___/___/___	___/___/___

SCORE: \_\_\_\_\_

FUNDING SOURCE: \_\_\_\_\_

PRIORITY: \_\_\_\_\_

CLOSURE DATE: 26/13/95

1556/15/95  
Fach

I.D. # 141

District: NWD County: Rusk Case No.: \_\_\_\_\_ PMN: \_\_\_\_\_  
 Site Name: ENRON/LADY SMITH METER STATION FID: \_\_\_\_\_  
 Proj. Mgr: Terry Koehn  
 Address: \_\_\_\_\_ Support Person: \_\_\_\_\_  
 Legal Municipality: Flambeau Legal Desc: SW 1/4 SE 1/4 Sec 32, T 35N R 6 E NW  
 T V C Lat: N \_\_\_\_\_ Long: W \_\_\_\_\_  
 Date of Discovery: 4, 5, 94 Date of RP Contact: 4, 5, 94

<b>PRIORITY SCREENING:</b> <input type="checkbox"/> 1 = High <input checked="" type="checkbox"/> 3 = Low <input type="checkbox"/> 4 = Unknown	<b>FUNDING SOURCE:</b> <input checked="" type="checkbox"/> 1 = RP <input type="checkbox"/> 2 = LTF <input type="checkbox"/> 3 = EF <input type="checkbox"/> 4 = SF <input type="checkbox"/> 5 = None <input type="checkbox"/> 6 = Other (Describe in Comments) <input type="checkbox"/> 7 = EPA Emergency Resp.	<b>ENFORCEMENT AUTHORITY:</b> <input checked="" type="checkbox"/> 1 = Spill Law s. 144.76, Wis. Stats. <input type="checkbox"/> 2 = Envir Repair Law s. 144.442, Wis. Stats. <input type="checkbox"/> 3 = Hazardous Waste Rules NR 600 Series <input type="checkbox"/> 4 = Solid Waste Rules NR 500 Series <input type="checkbox"/> 5 = CERCLA <input type="checkbox"/> 6 = Abandoned Container s. 144.77, Wis. Stat. <input type="checkbox"/> 7 = Other (Describe in Comments)
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PRE-SCORE  
No 04

**PROGRAMS INVOLVED: (L - LEAD S - SUPPORT)**

<input type="checkbox"/> Aban Containers	<input type="checkbox"/> NR 500 Solid Waste	<input type="checkbox"/> Water Supply
<input type="checkbox"/> Lust	<input type="checkbox"/> Spills	<input type="checkbox"/> Water Resources Mgt
<input type="checkbox"/> NR 600 Hazardous Waste	<input type="checkbox"/> Superfund	<input checked="" type="checkbox"/> Env. Repair

**RESPONSIBLE PARTY:**

Business Name: <u>ENRON-Northern Natural Gas Company</u>	Business Name: _____
Owner/Mgr.: _____	Owner/Mgr.: _____
Address: <u>7901 Xerxes Ave South Suite 209</u>	Address: _____
<u>Minneapolis MN 55431</u>	_____
Phone: <u>612 / 887-1712</u>	Phone: _____ / _____
Contact Person: <u>Ronald Beidelman, Div. Env. Spec.</u>	Contact Person: _____

	KNOWN IMPACTS (X)	POTENTIAL IMPACTS (X)
No Threat	_____	_____
Fire/Explosion threat (1)	_____	_____
Contaminated Private Well (2)	_____	_____
Contaminated Public Well (3)	_____	_____
Groundwater Contamination (4)	_____	_____ X _____
Soil Contamination (5)	_____ X _____	_____
Direct Contact (1-0)	_____	_____ X _____
Contaminated Surface Water (7)	_____	_____ X _____
Contaminated Air (8)	_____	_____
Other (6)	_____	_____

**CONSULTANT INFORMATION:**

Company: <u>ENSR Consulting and Engineering</u>	Company: _____
Contact Person: <u>Chris White</u>	Contact Person: _____
Address: <u>4500 Park Glen Rd Suite 210</u>	Address: _____
<u>St Louis Park MN 55416</u>	_____
Phone: <u>612 / 924-0117</u>	Phone: _____ / _____

(List additional on separate sheet & attach.)

*By Katie*



**ENVIRONMENTAL REPAIR PROGRAM-PRIORITY RANKING WORKSHEET**  
To be used with NR 550, Wis. Adm. Code, table and instructions.

**I. GROUNDWATER ROUTE WORKSHEET**

Rating Factor	Assigned Value (circle one)	Multiplier	Score	Max. Score	Ref. Section
(1) Observed Release	0	1	0	45	sub. (1)
If observed release is given a score of 45, proceed to line (4). If observed release is given a score of 0, proceed to line (2).					
(2) Route Characteristics					sub. (2)
Depth to Groundwater	0 1 2 3	2	0	6	
Infiltration Potential	0 1 2 3	1	1	3	
Permeability of the Unsaturated Zone	0 1 2 3	1	1	3	
Physical State	0 1 2 3	1	3	3	
Total Route Characteristics Score				17	15
(3) Containment	0 1 2 3	1	3	3	sub. (3)
(4) Waste Characteristics					sub. (4)
Toxicity/Persistence	0 3 6 9 12 15 18	1	18	18	
Leachate Strength	0 2 4 6 8 10	1		10	
Waste Quantity/Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score				19	26
(5) Potential Impacts					sub. (5)
Groundwater Use	0 1 2 3	3	9	9	
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 38 40	1	32	40	
Total Potential Impacts				41	49
(6) If line (1) is 45, multiply (1) X (4) X (5) If line (1) is 0, multiply (2) X (3) X (4) X (5)			25707	57,330	
(7) Divide line (6) by 57,330 and multiply by 100			S <sub>gw</sub> =	44.84	

**II. SURFACE WATER ROUTE WORKSHEET**

Rating Factor	Assigned Value (circle one)	Multiplier	Score	Max. Score	Ref. Section
(1) Observed Release	0	1		45	sub. (1)
If observed release is given a score of 45, proceed to line (4). If observed release is given a score of 0, proceed to line (2).					
(2) Route Characteristics					sub. (2)
Facility Slope and Intervening Terrain	0 1 2 3	1	1	3	
Run-off Potential	0 1 2 3	1	1	3	
Distance to Nearest Surface Water	0 1 2 3	2	4	6	
Physical State	0 1 2 3	1	3	3	
Total Route Characteristics Score				9	15
(3) Containment	0 1 2 3	1	3	3	sub. (3)
(4) Water Characteristics					sub. (4)
Toxicity/Persistence	0 3 6 9 12 15 18	1	18	18	
Leachate Strength	0 2 4 6 8 10	1	0	10	
Hazardous Waste Quantity/Total Waste Quantity	0 1 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score				19	26
(5) Potential Impacts					sub. (5)
Surface Water Use	0 1 2 3	3	0	9	
Distance to a Sensitive Environment	0 1 2 3	2	0	6	
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Potential Impacts				0	55
(6) If line (1) is 45, multiply (1) X (4) X (5) If line (1) is 0, multiply (2) X (3) X (4) X (5)			3078	64,350	
(7) Divide line (6) by 64,350 and multiply by 100			S <sub>sw</sub> =	4.78	

**III. AIR ROUTE WORKSHEET**

Rating Factor	Assigned Value (circle one)	Multiplier	Score	Max. Score	Ref. Section
(1) Observed Release	0	1		45	sub. (1)
Date and Location: Sampling Procedures: If line (1) is 0, then S <sub>a</sub> = 0, Enter on line (5). If line (1) is 45, then proceed to line (2).					
(2) Waste Characteristics					sub. (2)
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity/Total Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
Total Route Characteristics Score				2	20
(3) Potential Impacts					sub. (3)
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
Total Potential Impact Score				3	39
(4) Multiply (1) X (2) X (3)				35,100	

(5) Divide line (4) by 35,100 and multiply by 100

$$S_M = \frac{1}{1.73} (S_{gw}^2 + S_{sw}^2 + S_a^2)^{0.5}$$

where: S<sub>gw</sub> = groundwater route score

2007.04 22.85  
 $(44.8^2 + 4.78^2 + 0)^{0.5} \cdot 0.5$   
 1.73

S<sub>a</sub> = 0  
**SCORE 26.04**

I.D. # 141

District: NWD County: Rusk (55) Case No.: \_\_\_\_\_ PMN: \_\_\_\_\_  
 Site Name: EURON FID: \_\_\_\_\_  
Ladysmith Meter Station Proj. Mgr: Terry Koehn  
 Address: \_\_\_\_\_ Support Person: \_\_\_\_\_  
 Legal Municipality: Flambeau Legal Desc: SW 1/4 SE 1/4 Sec 32, T35N, R 6 EW  
 (T) V C Lat: N \_\_\_\_\_ Long: W \_\_\_\_\_  
 Date of Discovery: 04 / 05 / 94 Date of RP Contact: 04 / 05 / 94

<b>PRIORITY SCREENING:</b> <input type="checkbox"/> 1 = High <input checked="" type="checkbox"/> 2 = Low <input type="checkbox"/> 4 = Unknown	<b>FUNDING SOURCE:</b> <input checked="" type="checkbox"/> 1 = RP <input type="checkbox"/> 2 = LTF <input type="checkbox"/> 3 = EF <input type="checkbox"/> 4 = SF <input type="checkbox"/> 5 = None <input type="checkbox"/> 6 = Other (Describe in Comments) <input type="checkbox"/> 7 = EPA Emergency Resp.	<b>ENFORCEMENT AUTHORITY:</b> <input checked="" type="checkbox"/> 1 = Spill Law s. 144.76, Wis. Stats. <input type="checkbox"/> 2 = Envir Repair Law s. 144.442, Wis. Stats. <input type="checkbox"/> 3 = Hazardous Waste Rules NR 600 Series <input type="checkbox"/> 4 = Solid Waste Rules NR 500 Series <input type="checkbox"/> 5 = CERCLA <input type="checkbox"/> 6 = Abandoned Container s. 144.77, Wis. Stat. <input type="checkbox"/> 7 = Other (Describe in Comments)
<b>PRE-SCORE</b> <u>26 04</u>		

**PROGRAMS INVOLVED: (L - LEAD S - SUPPORT)**

<input type="checkbox"/> Aban Containers	<input type="checkbox"/> NR 500 Solid Waste	<input type="checkbox"/> Water Supply
<input type="checkbox"/> Lust	<input type="checkbox"/> Spills	<input type="checkbox"/> Water Resources Mgt
<input type="checkbox"/> NR 600 Hazardous Waste	<input type="checkbox"/> Superfund	<input checked="" type="checkbox"/> Env. Repair

**RESPONSIBLE PARTY:**

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<u>Minneapolis MN 55431</u>	_____
Phone: <u>612 / 887-1712</u>	Phone: _____ / _____
Contact Person: <u>Ronald Beidelman, Div. Env. Spec.</u>	Contact Person: _____

	KNOWN IMPACTS (X)	POTENTIAL IMPACTS (X)
No Threat	_____	_____
Fire/Explosion threat (1)	_____	_____
Contaminated Private Well (2)	_____	_____
Contaminated Public Well (3)	_____	_____
Groundwater Contamination (4)	_____	_____
Soil Contamination (5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Direct Contact (1-0)	_____	<input checked="" type="checkbox"/>
Contaminated Surface Water (7)	_____	<input checked="" type="checkbox"/>
Contaminated Air (8)	_____	_____
Other (6)	_____	_____

**CONSULTANT INFORMATION:**

Company: <u>EAISR Consulting and Engineering</u>	Company: _____
Contact Person: <u>Chris White</u>	Contact Person: _____
Address: <u>4500 Park Glen Rd, Suite 210</u>	Address: _____
<u>St. Louis Park, MN 55416</u>	_____
Phone: <u>612 / 924-0117</u>	Phone: _____ / _____

(List additional on separate sheet & attach.)





ENVIRONMENTAL REPAIR PROGRAM-PRIORITY RANKING WORKSHEET  
To be used with NR 550, Wis. Adm. Code, table and instructions.

I. GROUNDWATER ROUTE WORKSHEET

Rating Factor	Assigned Value (circle one)	Multiplier	Score	Max. Score	Ref. Section
(1) Observed Release	0	1	0	45	sub. (1)
If observed release is given a score of 45, proceed to line (4). If observed release is given a score of 0, proceed to line (2).					
(2) Route Characteristics					sub. (2)
Depth to Groundwater	0 1 2 (3)	2	6	6	
Infiltration Potential	0 (1) 2 3	1	1	3	
Permeability of the Unsaturated Zone	0 (1) 2 3	1	1	3	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			11	15	
(3) Containment	0 1 2 (3)	1	3	3	sub. (3)
(4) Waste Characteristics					sub. (4)
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	
Leachate Strength	(0) 2 4 6 8 10	1	0	10	
Waste Quantity/Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			19	26	
(5) Potential Impacts					sub. (5)
Groundwater Use	0 1 2 (3)	3	9	9	
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 (32) 35 38 40	1	32	40	
Total Potential Impacts			41	49	
(6) If line (1) is 45, multiply (1) X (4) X (5) If line (1) is 0, multiply (2) X (3) X (4) X (5)			25707	57,330	
(7) Divide line (6) by 57,330 and multiply by 100			S <sub>gw</sub> = 44.8		

II. SURFACE WATER ROUTE WORKSHEET

Rating Factor	Assigned Value (circle one)	Multiplier	Score	Max. Score	Ref. Section
(1) Observed Release	0	1	0	45	sub. (1)
If observed release is given a score of 45, proceed to line (4). If observed release is given a score of 0, proceed to line (2).					
(2) Route Characteristics					sub. (2)
Facility Slope and Intervening Terrain	0 (1) 2 3	1	1	3	
Run-off Potential	0 1 2 3	1	1	3	
Distance to Nearest Surface Water	0 1 (2) 3	2	4	6	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			9	15	
(3) Containment	0 1 2 (3)	1	3	3	sub. (3)
(4) Water Characteristics					sub. (4)
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	
Leachate Strength	(0) 2 4 6 8 10	1	0	10	
Hazardous Waste Quantity/Total Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			19	26	
(5) Potential Impacts					sub. (5)
Surface Water Use	(0) 1 2 3	3	0	9	
Distance to a Sensitive Environment	0 1 2 (3)	2	6	6	
Population Served/ Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Potential Impacts			6	55	
(6) If line (1) is 45, multiply (1) X (4) X (5) If line (1) is 0, multiply (2) X (3) X (4) X (5)			3078	64,350	
(7) Divide line (6) by 64,350 and multiply by 100			S <sub>sw</sub> = 4.78		

III. AIR ROUTE WORKSHEET

Rating Factor	Assigned Value (circle one)	Multiplier	Score	Max. Score	Ref. Section
(1) Observed Release	0	1		45	sub. (1)
Date and Location: Sampling Procedures: If line (1) is 0, then S <sub>a</sub> = 0, Enter on line (5). If line (1) is 45, then proceed to line (2).					
(2) Waste Characteristics					sub. (2)
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity/Total Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
Total Route Characteristics Score				20	
(3) Potential Impacts					sub. (3)
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
Total Potential Impact Score				39	
(4) Multiply (1) X (2) X (3)				35,100	
(5) Divide line (4) by 35,100 and multiply by 100			S <sub>a</sub> = 0		

$$S_M = \frac{1}{1.73} (S_{gw}^2 + S_{sw}^2 + S_a^2)^{0.5} = \frac{1}{1.73} (44.8^2 + 4.78^2 + 0^2)^{0.5} = 1.73$$

where: S<sub>gw</sub> = groundwater route score

SCORE 26.04