

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

4778

(513) 648-3000

FLUOR

February 19, 2003

Fernald Closure Project
Letter No. C:ARWWP:2003-0001

Mr. James R. Morris, P.E.
Chief, Division of Water
Ohio Department of Natural Resources
Water Resources Section
1939 Fountain Square Court, Bldg. E-1
Columbus, OH 43224-1395

Dear Mr. Morris:

**CONTRACT DE-AC24-01OH20115, 2002 OHIO DEPARTMENT OF NATURAL RESOURCES
(ODNR) ANNUAL WATER WITHDRAWAL REPORT**

The enclosed copy of ODNR Form 7805 comprises the 2002 Fernald Environmental Management Project Annual Water Withdrawal Report.

Water withdrawn from Production Well 1 (1.53 million gallons), Production Well 2 (45.24 million gallons), Construction Well 1 (3.91 million gallons), and Construction Well 2 (8.62 million gallons) was applied to roadways and construction areas for the purpose of dust suppression. For purposes of this report, discharges from these wells were considered to be consumed and subtracted from the total groundwater withdrawn in order to determine the return flows. Discharges from the other extraction wells were assumed to equal returns because the water was either re-injected back into the aquifer after treatment or discharged to the Great Miami River.

Four new extraction wells (EW-15a, EW-30, EW-31, and EW-32) were installed in 2002, but have not yet been placed into service. The registration forms (Attachment A) and the appropriate well completion logs (Attachment B) for these wells are included. The attached Well Identification Cross Reference (Attachment C) identifies each well by its Operations Identification Number and its Site Identification Number. We prefer to use the Operations Identification Number for reporting purposes.

If you have any questions regarding this report, please contact Bill Hertel, at (513) 648-3894.

Sincerely,



David J. Brettschneider, Project Manager
Aquifer Restoration/Wastewater Project

DJB/KAB

- c: Robert J. Bell, DOE Contracting Officer, MS45
- Ken Broberg, Fluor Fernald, MS52-5
- Glenn Griffiths, DOE-FCP, MS45
- Ev Henry, Fluor Fernald, MS52-5
- William Hertel, Fluor Fernald, MS52-5
- Rob Janke, DOE-FCP, MS45
- Frank Johnston, Fluor Fernald, MS52-5
- Loretta E. Parsons, DOE Contracting Officer, MS45
- Adam Rector, Fluor Fernald, Inc. Prime Contract, MS44-0-S
- Ed Skintik, DOE-FCP, MS45
- Project Number 52400
- Administrative Record, MS78



**STATE OF OHIO
WATER WITHDRAWAL
FACILITY REGISTRATION
ANNUAL REPORT FORM**

**SEND TO: OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER
WATER RESOURCES SECTION
1939 FOUNTAIN SQUARE COURT, BLDG. E-1
COLUMBUS, OHIO 43224-1385
(614) 265-6744**

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AUTHORITY: Ohio Revised Code Section 1521.16 requires that any owner of a facility, or combination of facilities, with the capacity to withdraw more than 100,000 gallons of water daily, register such facilities and file an annual report with the Ohio Department of Natural Resources, Division of Water.

Water Withdrawal Report for the Year Ending December 31, 2002

According to our records,

The Contact is listed as:

Make Corrections Below

BRIAN S. HAROOTYAN
FLUOR FERNALD, INC.
P.O. BOX 538704
CINCINNATI, OH 45253-8704

~~William Hertel~~
William Hertel

Phone: 513/648-4202

The Owner is listed as:

Make Corrections Below

BRIAN S. HAROOTYAN
FERNALD ENVIRONMENTAL MNGT. PROJECT
P.O. BOX 538705
CINCINNATI, OH 45253-8705

U.S. DEPARTMENT of Energy
Fernald Closure Project

Phone : 513/648-3000 3894

Please make any corrections or changes to the listed OWNER and CONTACT information in the space provided to the right of the address.

Facility Name and Withdrawal Mode: Please make any changes next to the well or intake number(s).

FERNALD ENV MNGT PROJECT	Registration Number	01573	Registration Date:	11/8/1991
Facility's Well Identification	Facility's Intake Identification			
PW-1				
PW-2				
PW-3				
EW-24				
EW-23				
CW-1				
CW-2				
EW-13				
EW-14				
EW-15				
EW-16				
EW-17				
EW-18				
EW-19				
EW-20				
EW-21				
EW-22				
RW-1				
RW-2				
RW-3				
RW-4				
→ RW-5				
RW-6				
RW-7				
EW-26				
EW-25				
EW-27				
EW-28				

WITHDRAWALS

GROUND WATER (in Units of Millions of Gallons)

Registration Number 01573

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. CW-1	0	0	0	0	0.15	0.57	0.44	1.31	0.70	0.61	0.13	0	3.91
WELL NO. CW-2	0.13	0.09	0.12	0.36	0.78	1.12	3.03	1.45	0.81	0.48	0.15	0.10	8.62
WELL NO. PW-1	0	0.09	0.75	0.69	0	0	0	0	0	0	0	0	1.53
WELL NO. PW-2	0	0.12	1.48	4.08	2.74	5.04	6.32	7.56	6.36	6.38	4.37	0.79	45.24
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	0.13	0.30	2.35	5.13	3.67	6.73	9.79	10.32	7.87	7.47	4.65	0.89	GRAND TOTAL 59.30
MAXIMUM													
MINIMUM													
DAYS IN OPERATION	31	28	31	30	31	30	31	31	30	31	30	31	TOTAL OPERATION DAYS 365

SURFACE WATER (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
INTAKE													
INTAKE													
INTAKE													
INTAKE													
INTAKE													
TOTAL													GRAND TOTAL
MAXIMUM													
MINIMUM													
DAYS IN OPERATION													TOTAL OPERATION DAYS

Are surface water and ground water withdrawal amounts based on metered readings? yes no (circle one) If "no," how were the reported withdrawal amounts determined? (Attach separate sheet, if necessary)

RETURN FLOW (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
FLOW	146.14	138.57	174.60	152.77	192.45	181.20	175.81	209.87	210.00	203.94	189.72	193.71	2168.78
FLOW													
TOTAL	146.14	138.57	174.60	152.77	192.45	181.20	175.81	209.87	210.00	203.94	189.72	193.71	GRAND TOTAL 2168.78

Are return flow amounts based on metered readings? yes no (circle one) If "no," how were the reported return flow amounts determined? (Attach separate sheet, if necessary)

(SEE COVER LETTER FOR EXPLANATION)

NOTE: Is the information originally supplied on your registration form still correct? yes no (circle one)

If "no," please attach a separate sheet indicating the nature of the change. If needed, a new registration form will be forwarded to you so that you may provide this office with the necessary revisions.

Owner or authorized representative's signature

Date

Feb 19, 2003 4

WITHDRAWALS

Registration Number 01573

GROUND WATER (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. RW-1	12.51	12.09	13.64	12.26	13.38	13.02	11.41	13.16	13.05	13.06	12.71	13.41	153.70
WELL NO. RW-2	12.44	12.03	12.25	9.04	12.07	10.73	8.49	7.02	12.89	12.99	12.69	13.64	136.28
WELL NO. RW-3	0	1.02	17.59	17	15.03	16.69	14.51	16.89	13.50	15.91	15.39	16.13	159.66
WELL NO. RW-4	22.06	20.04	22.02	21.26	18.68	20.87	17.78	18.52	16.82	15.17	11.28	0.73	205.23
WELL NO. RW-6	13.40	12.12	13.32	12.93	11.71	10.16	11.24	12.03	11.82	12.73	8.35	10.65	140.46
WELL NO. RW-7	0	4.06	13.27	11.20	11.65	9.99	11.36	12.78	10.41	12.40	8.46	10.76	116.34
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	60.41	61.36	92.09	83.69	82.52	81.46	74.79	80.4	78.49	82.26	68.88	65.32	GRAND TOTAL 911.67
MAXIMUM	2.64	2.99	3.94	3.03	3.02	2.96	2.92	2.94	2.88	2.830	2.75	2.60	
MINIMUM	1.12	1.43	2.00	2.50	2.00	2.50	0	1.35	2.17	0.58	1.21	1.40	
DAYS IN OPERATION	31	28	31	30	31	30	27	31	30	31	30	31	TOTAL OPERATION DAYS 361

SURFACE WATER (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
INTAKE													
INTAKE													
INTAKE													
INTAKE													
INTAKE													
TOTAL													GRAND TOTAL
MAXIMUM													
MINIMUM													
DAYS IN OPERATION													TOTAL OPERATION DAYS

Are surface water and ground water withdrawal amounts based on metered readings? yes no (circle one) If "no," how were the reported withdrawal amounts determined? (Attach separate sheet, if necessary)

RETURN FLOW (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
FLOW													
FLOW													
TOTAL													GRAND TOTAL

Are return flow amounts based on metered readings? yes no (circle one) If "no," how were the reported return flow amounts determined? (Attach separate sheet, if necessary)

NOTE: Is the information originally supplied on your registration form still correct? yes no (circle one)

If "no," please attach a separate sheet indicating the nature of the change. If needed, a new registration form will be forwarded to you so that you may provide this office with the necessary revisions.

Owner or authorized representative's signature

Date

Feb 19, 2003

NOTE: This page may be photocopied if additional space is required. Please be sure to sign and date each copy.

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GROUND WATER (in Units of Millions of Gallons)		WITHDRAWALS											Registration Number
SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. EW-16	9.87	8.82	9.93	8.81	9.82	9.42	8.3	9.79	9.48	9.65	9.48	2.6	105.97
WELL NO. EW-17	12.38	11.18	12.44	11.55	0	10.14	10.41	12.19	11.81	10.94	7.68	11.31	122.03
WELL NO. EW-18	4.95	4.43	4.92	8.13	6.55	4.64	4.20	4.96	4.80	4.66	3.16	4.85	60.25
WELL NO. EW-19	4.95	4.44	3.57	0.22	6.15	4.68	4.17	4.87	4.78	2.88	4.64	4.96	50.31
WELL NO. EW-20	4.05	4.43	4.87	1.49	3.99	4.64	4.15	4.87	4.74	4.40	2.19	4.88	48.70
WELL NO. EW-21	12.81	11.15	12.49	10.35	11.59	10.98	9.07	9.97	8.97	7.46	9.50	9.10	123.44
WELL NO. EW-22	14.8	13.37	14.84	14.19	13.53	13.88	12.42	10.35	14.07	11.85	13.83	14.76	161.89
WELL NO. EW-23	13.07	11.62	12.90	10.26	12.80	11.77	10.66	12.35	11.63	11.11	12.17	12.08	142.42
WELL NO. EW-24	8.98	8.07	8.90	9.21	9.81	7.47	7.56	8.91	8.87	8.60	7.14	8.89	102.41
WELL NO. EW-25	0	0	0	0	10.56	12.94	8.40	13.39	12.94	12.79	8.60	12.32	91.94
WELL NO.													
WELL NO.													
TOTAL	85.86	77.51	84.86	74.21	84.8	90.56	79.34	91.65	92.09	84.34	78.39	85.75	GRAND TOTAL 1009.36
MAXIMUM	3.64	3.99	3.64	2.94	3.18	3.20	3.18	3.15	3.34	3.15	3.06	3.06	
MINIMUM	2.16	1.66	1.92	1.19	2.35	2.39	0	2.60	3.04	0.63	2.02	2.42	
DAYS IN OPERATION	31	28	31	30	31	30	27	31	30	31	30	31	TOTAL OPERATION DAYS 361

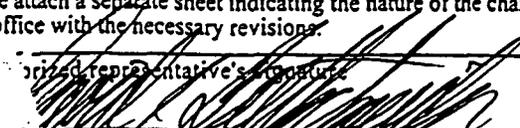
SURFACE WATER (in Units of Millions of Gallons)													TOTAL PER YEAR
SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
INTAKE													
INTAKE													
INTAKE													
INTAKE													
INTAKE													
TOTAL													GRAND TOTAL
MAXIMUM													
MINIMUM													
DAYS IN OPERATION													TOTAL OPERATION DAYS

Are surface water and ground water withdrawal amounts based on metered readings? yes no (circle one) If "no," how were the reported withdrawal amounts determined? (Attach separate sheet, if necessary)

RETURN FLOW (in Units of Millions of Gallons)													TOTAL PER YEAR
SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
FLOW													
FLOW													
TOTAL													GRAND TOTAL

Are return flow amounts based on metered readings? yes no (circle one) If "no," how were the reported return flow amounts determined? (Attach separate sheet, if necessary)

NOTE: Is the information originally supplied on your registration form still correct? yes no (circle one)
If "no," please attach a separate sheet indicating the nature of the change. If needed, a new registration form will be forwarded to you so that you may provide this office with the necessary revisions.

Owner or authorized representative's signature:  Date: Feb 19, 2003

NOTE: This page may be photocopied if additional space is required. Please be sure to sign and date each copy.

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WITHDRAWALS

GROUND WATER (in Units of Millions of Gallons)

Registration Number 01573

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. EW-26	0	0	0	0	6.54	4.10	8.80	12.82	12.84	11.01	12.86	13.85	82.82
WELL NO. EW-27	0	0	0	0	8.72	4.14	12.82	17.77	17.40	16.95	17.10	12.20	107.10
WELL NO. EW-28	0	0	0	0	13.54	7.67	9.85	17.55	17.05	16.85	17.14	17.48	117.13
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	0	0	0	0	28.8	15.91	31.47	48.14	47.29	44.81	47.10	43.53	GRAND TOTAL 307.05
MAXIMUM	0	0	0	0	1.97	1.61	1.63	1.71	1.69	1.66	1.60	1.61	
MINIMUM	0	0	0	0	0	0	0	1.51	1.42	0.09	1.30	0.70	
DAYS IN OPERATION	0	0	0	0	25	16	23	31	31	31	30	31	TOTAL OPERATION DAYS 218

SURFACE WATER (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
INTAKE													
INTAKE													
INTAKE													
INTAKE													
INTAKE													
TOTAL													GRAND TOTAL
MAXIMUM													
MINIMUM													
DAYS IN OPERATION													TOTAL OPERATION DAYS

Are surface water and ground water withdrawal amounts based on metered readings? yes no (circle one) If "no," how were the reported withdrawal amounts determined? (Attach separate sheet, if necessary)

RETURN FLOW (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
FLOW													
FLOW													
TOTAL													GRAND TOTAL

Are return flow amounts based on metered readings? yes no (circle one) If "no," how were the reported return flow amounts determined? (Attach separate sheet, if necessary)

NOTE: Is the information originally supplied on your registration form still correct? yes no (circle one)
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Owner or authorized representative's signature

Date

Feb 19, 2003

WITHDRAWALS

GROUND WATER (in Units of Millions of Gallons)

Registration Number 01573

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. PW-3	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. EW-13	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. EW-14	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. EW-15	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. RW-5	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	GRAND TOTAL 0
MAXIMUM	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS IN OPERATION	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL OPERATION DAYS

SURFACE WATER (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
INTAKE													
INTAKE													
INTAKE													
INTAKE													
INTAKE													
TOTAL													GRAND TOTAL
MAXIMUM													
MINIMUM													
DAYS IN OPERATION													TOTAL OPERATION DAYS

Are surface water and ground water withdrawal amounts based on metered readings? yes no (circle one) If "no," how were the reported withdrawal amounts determined? (Attach separate sheet, if necessary)

RETURN FLOW (in Units of Millions of Gallons)

SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
FLOW													
FLOW													
TOTAL													GRAND TOTAL

Are return flow amounts based on metered readings? yes no (circle one) If "no," how were the reported return flow amounts determined? (Attach separate sheet, if necessary)

NOTE: Is the information originally supplied on your registration form still correct? yes no (circle one)
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Owner or authorized representative's signature

Date Feb 19, 2003

4778

A. Owner's well number 33262 EW-15a
 Well capacity 2.5 GPD or (MGD) (Circle one)
 Well log number (or copy of well log)
 Well depth 85 (ft) Well diameter 16 (in)

AQUIFER UTILIZED (Check one)

- | | |
|---|---|
| <input type="checkbox"/> Sand | <input type="checkbox"/> Shale (Sh) |
| <input type="checkbox"/> Sandstone (SS) | <input type="checkbox"/> Interbedded SS, LS, Sh |
| <input checked="" type="checkbox"/> Sand and gravel | <input type="checkbox"/> Underground mine |
| <input type="checkbox"/> Limestone (LS) /Dolomite | <input type="checkbox"/> Other _____ |

LOCATION OF WELL

County Hamilton
 Township Crosby Section 6
 Nearest City or Town Fernald
 Provide written description of well location.

N 477799.9 E 1348150 (NAD 1983)

A. Owner's intake number _____
 Intake capacity _____ GPD or MGD (Circle one)
 Name of body of water _____

SOURCE UTILIZED (Check one)

- | |
|---|
| <input type="checkbox"/> River, stream, or drainage ditch |
| <input type="checkbox"/> Lake, pond, quarry, or reservoir |
| <input type="checkbox"/> Other _____ |

LOCATION OF INTAKE

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of intake location.

B. Owner's well number 33264 EW-30
 Well capacity 2.8 GPD or (MGD) (Circle one)
 Well log number (or copy of well log)
 Well depth 113.8 (ft) Well diameter 16 (in)

AQUIFER UTILIZED (Check one)

- | | |
|---|---|
| <input type="checkbox"/> Sand | <input type="checkbox"/> Shale (Sh) |
| <input type="checkbox"/> Sandstone (SS) | <input type="checkbox"/> Interbedded SS, LS, Sh |
| <input checked="" type="checkbox"/> Sand and gravel | <input type="checkbox"/> Underground mine |
| <input type="checkbox"/> Limestone (LS) /Dolomite | <input type="checkbox"/> Other _____ |

LOCATION OF WELL

County Hamilton
 Township Crosby Section 6
 Nearest City or Town Fernald
 Provide written description of well location.

N 477200.9 E 1349751 (NAD 1983)

B. Owner's intake number _____
 Intake capacity _____ GPD or MGD (Circle one)
 Name of body of water _____

SOURCE UTILIZED (Check one)

- | |
|---|
| <input type="checkbox"/> River, stream, or drainage ditch |
| <input type="checkbox"/> Lake, pond, quarry, or reservoir |
| <input type="checkbox"/> Other _____ |

LOCATION OF INTAKE

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of intake location.

C. Owner's well number 33265 EW-31
 Well capacity 3.7 GPD or (MGD) (Circle one)
 Well log number (or copy of well log)
 Well depth 113 (ft) Well diameter 16 (in)

AQUIFER UTILIZED (Check one)

- | | |
|---|---|
| <input type="checkbox"/> Sand | <input type="checkbox"/> Shale (Sh) |
| <input type="checkbox"/> Sandstone (SS) | <input type="checkbox"/> Interbedded SS, LS, Sh |
| <input checked="" type="checkbox"/> Sand and gravel | <input type="checkbox"/> Underground mine |
| <input type="checkbox"/> Limestone (LS) /Dolomite | <input type="checkbox"/> Other _____ |

LOCATION OF WELL

County Hamilton
 Township CROSBY Section 6
 Nearest City or Town Fernald
 Provide written description of well location.

(Note: Use additional sheets if necessary)
N 477598.9 E 1349849 (NAD 1983)

C. Owner's intake number _____
 Intake capacity _____ GPD or MGD (Circle one)
 Name of body of water _____

SOURCE UTILIZED (Check one)

- | |
|---|
| <input type="checkbox"/> River, stream, or drainage ditch |
| <input type="checkbox"/> Lake, pond, quarry, or reservoir |
| <input type="checkbox"/> Other _____ |

LOCATION OF INTAKE

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of intake location.

(Note: Use additional sheets if necessary)

A. Owner's well number 33266 EW-32
 Well capacity 2.5 GPD or MGD (Circle one)
 Well log number (or copy of well log)
 Well depth 110 (ft) Well diameter 16 (in)

AQUIFER UTILIZED (Check one)

- | | |
|---|---|
| <input type="checkbox"/> Sand | <input type="checkbox"/> Shale (Sh) |
| <input type="checkbox"/> Sandstone (SS) | <input type="checkbox"/> Interbedded SS, LS, Sh |
| <input checked="" type="checkbox"/> Sand and gravel | <input type="checkbox"/> Underground mine |
| <input type="checkbox"/> Limestone (LS) /Dolomite | <input type="checkbox"/> Other _____ |

LOCATION OF WELL

County Hamilton
 Township Crosby Section 6
 Nearest City or Town Fernald
 Provide written description of well location.

N 476997.6 E 1350047 (NAD 1983)

A. Owner's intake number 4778
 Intake capacity _____ GPD or MGD (Circle one)
 Name of body of water _____

SOURCE UTILIZED (Check one)

- | |
|--|
| <input type="checkbox"/> River, stream, or drainage ditch |
| <input checked="" type="checkbox"/> Lake, pond, quarry, or reservoir |
| <input type="checkbox"/> Other _____ |

LOCATION OF INTAKE

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of intake location.

B. Owner's well number _____
 Well capacity _____ GPD or MGD (Circle one)
 Well log number (or copy of well log) _____
 Well depth _____ (ft) Well diameter _____ (in)

AQUIFER UTILIZED (Check one)

- | | |
|---|---|
| <input type="checkbox"/> Sand | <input type="checkbox"/> Shale (Sh) |
| <input type="checkbox"/> Sandstone (SS) | <input type="checkbox"/> Interbedded SS, LS, Sh |
| <input type="checkbox"/> Sand and gravel | <input type="checkbox"/> Underground mine |
| <input type="checkbox"/> Limestone (LS) /Dolomite | <input type="checkbox"/> Other _____ |

LOCATION OF WELL

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of well location.

B. Owner's intake number _____
 Intake capacity _____ GPD or MGD (Circle one)
 Name of body of water _____

SOURCE UTILIZED (Check one)

- | |
|---|
| <input type="checkbox"/> River, stream, or drainage ditch |
| <input type="checkbox"/> Lake, pond, quarry, or reservoir |
| <input type="checkbox"/> Other _____ |

LOCATION OF INTAKE

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of intake location.

C. Owner's well number _____
 Well capacity _____ GPD or MGD (Circle one)
 Well log number (or copy of well log) _____
 Well depth _____ (ft) Well diameter _____ (in)

AQUIFER UTILIZED (Check one)

- | | |
|---|---|
| <input type="checkbox"/> Sand | <input type="checkbox"/> Shale (Sh) |
| <input type="checkbox"/> Sandstone (SS) | <input type="checkbox"/> Interbedded SS, LS, Sh |
| <input type="checkbox"/> Sand and gravel | <input type="checkbox"/> Underground mine |
| <input type="checkbox"/> Limestone (LS) /Dolomite | <input type="checkbox"/> Other _____ |

LOCATION OF WELL

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of well location.

(Note: Use additional sheets if necessary)

C. Owner's intake number _____
 Intake capacity _____ GPD or MGD (Circle one)
 Name of body of water _____

SOURCE UTILIZED (Check one)

- | |
|---|
| <input type="checkbox"/> River, stream, or drainage ditch |
| <input type="checkbox"/> Lake, pond, quarry, or reservoir |
| <input type="checkbox"/> Other _____ |

LOCATION OF INTAKE

County _____
 Township _____ Section _____
 Nearest City or Town _____
 Provide written description of intake location.

(Note: Use additional sheets if necessary)

ATTACHMENT B

EXTRACTION WELL 33262 (EW-15a) WELL COMPLETION LOG	
Contractor: Moody's	Date Completed: 8-22-02
Location:	NAD 1983 Coordinates:
Southern Waste Units Area	N 477799.9 E 1348150
Installation Details:	
Drilling Method: Cable Tool Borehole Diameter: 24 inches Total Depth of Well: 85 feet bgs Completion Method: Filter Pack	
Casing:	Screen:
304 stainless steel casing 16-inch diameter	30 feet long 304 stainless steel Continuous wire wrapped 16-inch diameter Screen slot size: 0.070 inch
General Lithology :	
0' - 24' bgs., glacial overburden 24' - 85' bgs., sand and gravel	

ATTACHMENT B

EXTRACTION WELL 33264 (EW-30) WELL COMPLETION LOG	
Contractor: Moody's	Date Completed: 8-20-02
Location:	NAD 1983 Coordinates:
South Field	N 477200.9 E 1349751
Installation Details:	
Drilling Method: Cable Tool Borehole Diameter: 24 inches Total Depth of Well: 113.8 feet bgs Completion Method: Filter Pack	
Casing:	Screen:
304 stainless steel casing 16-inch diameter	50 feet long 304 stainless steel Continuous wire wrapped 16-inch diameter Screen slot size: 0.040 inch
General Lithology :	
0' - 30' bgs., glacial overburden 30' - 113.8' bgs., sand and gravel	

ATTACHMENT B

EXTRACTION WELL 33265 (EW-31) WELL COMPLETION LOG	
Contractor: Moody's	Date Completed: 7-24-02
Location:	NAD 1983 Coordinates:
South Field	N 477598.9 E 1349849
Installation Details:	
Drilling Method: Cable Tool Borehole Diameter: 24 inches Total Depth of Well: 113 feet bgs Completion Method: Filter Pack	
Casing:	Screen:
304 stainless steel casing 16-inch diameter	45 feet long 304 stainless steel Continuous wire wrapped 16-inch diameter Screen slot size: 0.070 inch
General Lithology :	
0' - 30' bgs., glacial overburden 30' - 113' bgs., sand and gravel	

ATTACHMENT B

EXTRACTION WELL 33266 (EW-32) WELL COMPLETION LOG	
Contractor: Moody's	Date Completed: 8-7-02
Location:	NAD 1983 Coordinates:
South Field	N 476997.6 E 1350047
Installation Details:	
Drilling Method: Cable Tool Borehole Diameter: 24 inches Total Depth of Well: 110 feet bgs Completion Method: Filter Pack	
Casing:	Screen:
304 stainless steel casing 16-inch diameter	30 feet long 304 stainless steel Continuous wire wrapped 16-inch diameter Screen slot size: 0.070 inch
General Lithology :	
0' - 30' bgs., glacial overburden 30' - 110' bgs., sand and gravel	

ATTACHMENT C

WELL IDENTIFICATION CROSS REFERENCE	
Operations Identification Number	Site Identification Number
CW-1	42202
CW-2	42471
PW-1	4101
PW-2	4102
PW-3	4103
RW-1	3924
RW-2	3925
RW-3	3926
RW-4	3927
RW-5	3928
RW-6	32308
RW-7	32309
EW-13	31565
EW-14	31564
EW-15	31566
EW-15a	33262
EW-16	31563
EW-17	31567
EW-18	31550
EW-19	31560
EW-20	31561
EW-21	31562
EW-22	32276
EW-23	32447
EW-24	32446
EW-25	33061
EW-26	32761
EW-27	33062
EW-28	33063
EW-30	33264
EW-31	33265
EW-32	33266