

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

(513) 648-3000

# FLUOR

January 24, 2005

Fernald Closure Project  
Letter No. C:OS:2005-0004

Mr. Dick Bartz  
Chief, Division of Water  
Ohio Department of Natural Resources  
Water Resources Section  
2045 Morse Road  
Columbus, OH 43229-6605

Dear Mr. Bartz:

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

The enclosed copy of ODNR Form 7805 comprises the 2004 Fernald Closure Project Annual Water Withdrawal Report.

Water withdrawn from Production Well 1 (6.66 million gallons), Production Well 2 (33.46 million gallons), Construction Well 1 (0.16 million gallons), Construction Well 2 (11.06 million gallons), and Construction Well 3 (1.90 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 not included in the return flow calculation. Discharges from the other extraction wells were included in the return flow calculation because the water was either re-injected back into the aquifer after treatment or discharged to the Great Miami River.

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

Sincerely,



Michael J. Kopp, Project Director  
Operations and Support

MJK:KAB:dsm  
Enclosures

Mr. Dick Bartz  
Letter No. C:OS:2005-0004  
Page 2

c: With Enclosures

Ken Broberg, MS52-5  
Ev Henry, MS52-5  
William Hertel, MS52-5  
Frank Johnston, MS52-5  
Dave Lojek, DOE-OH/FCP  
Johnny Reising, DOE-OH/FCP  
W. Eric Woods, MS65-2  
Administrative Record, MS78  
Project Number 52400

Without Enclosures

Terri Binau, DOE Contracting Officer DOE-OH  
Jyh-Dong Chiou, MS64  
Terry D. Hagen, MS51  
Ralph Holland, DOE Contracting Officer, DOE-OH/FCP  
Timothy E. Poff, MS65-2  
Adam Rector, Fluor Fernald, Inc. Prime Contract, MS44-O-S  
William J. Taylor, DOE-OH/FCP  
Rodney E. Whitaker, MS60



WITHDRAWALS

Registration Number 01573

GROUND WATER (in Units of Millions of Gallons)

Table with columns for SOURCE, JAN., FEB., MARCH, APRIL, MAY, JUNE, JULY, AUG., SEPT., OCT., NOV., DEC., and TOTAL PER YEAR. Rows include wells PW-1, PW-2, CW-1, CW-2, CW-3, and a GRAND TOTAL of 53.24.

SURFACE WATER (in Units of Millions of Gallons)

Table with columns for SOURCE, JAN., FEB., MARCH, APRIL, MAY, JUNE, JULY, AUG., SEPT., OCT., NOV., DEC., and TOTAL PER YEAR. Rows include INTAKE, TOTAL, MAXIMUM, MINIMUM, and DAYS IN OPERATION.

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)

Table with columns for SOURCE, JAN., FEB., MARCH, APRIL, MAY, JUNE, JULY, AUG., SEPT., OCT., NOV., DEC., and TOTAL PER YEAR. Rows include FLOW, TOTAL, and GRAND TOTAL of 2446.65.

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 [Signature]

Date 1/25/05

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

WITHDRAWALS

GROUND WATER (in Units of Millions of Gallons)													Registration Number
SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. RW-1	13.40	10.75	12.77	12.80	13.28	12.58	13.11	13.18	11.31	12.59	13.07	11.09	149.93
WELL NO. RW-2	13.21	12.47	13.79	12.67	12.94	12.49	12.95	12.97	10.92	11.89	12.66	10.79	149.75
WELL NO. RW-3	12.87	11.20	11.39	1.73	0	0	13.07	14.40	13.05	13.90	14.36	12.12	118.09
WELL NO. RW-4	15.86	14.01	14.45	12.04	11.85	10.88	8.48	17.92	13.47	16.42	17.12	12.04	164.54
WELL NO. RW-6	5.52	4.90	9.07	11.62	11.15	6.39	13.00	12.62	9.98	10.66	5.34	0	100.25
WELL NO. RW-7	5.53	4.92	9.08	11.31	10.06	6.38	13.09	6.92	0	0	0	0	67.29
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	66.39	58.25	70.55	62.17	59.28	48.72	73.70	78.01	58.73	65.46	62.55	46.04	GRAND TOTAL 749.85
MAXIMUM	15.86	14.01	14.45	12.80	13.28	12.58	13.11	17.92	13.47	16.42	17.12	12.12	
MINIMUM	5.52	4.90	9.07	1.73	0	0	8.48	6.92	0	0	0	0	
DAYS IN OPERATION	31	29	31	30	31	30	31	31	30	31	30	31	TOTAL OPERATION DAYS 366

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  
*Michael J. Lopez*

Date  
1/25/05

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. EW-15a	8.88	7.36	8.19	8.35	8.83	8.59	8.92	8.45	7.38	3.77	3.97	3.75	86.44
WELL NO. EW-17	10.84	9.48	8.87	10.09	9.30	8.11	6.66	5.73	5.71	6.73	0.96	4.64	87.12
WELL NO. EW-18	8.72	8.23	7.93	7.51	8.58	8.66	8.88	8.52	6.29	7.56	1.35	2.54	84.77
WELL NO. EW-19	7.62	7.80	7.58	7.37	8.53	8.62	8.85	8.58	6.47	7.30	3.41	2.72	84.85
WELL NO. EW-20	8.92	7.85	8.23	8.40	8.54	8.65	8.87	8.53	6.67	7.44	3.51	1.52	87.13
WELL NO. EW-21a	7.83	8.15	8.91	7.15	9.30	10.09	9.26	8.20	5.78	3.65	1.70	1.25	81.27
WELL NO. EW-22	11.70	11.21	12.19	10.23	13.21	13.15	13.21	13.01	10.55	10.60	11.21	9.88	140.15
WELL NO. EW-23	9.58	9.14	10.52	9.17	11.87	12.51	11.56	11.47	9.70	8.82	9.44	3.90	117.68
WELL NO. EW-24	9.30	8.93	9.33	7.78	11.52	12.12	13.31	11.07	8.50	3.65	1.69	1.03	98.23
WELL NO. EW-25	10.92	12.47	13.28	9.17	12.74	12.92	12.26	12.88	9.83	11.29	5.17	4.79	127.72
WELL NO. EW-30	13.31	12.42	13.02	12.53	12.58	13.07	13.37	12.99	10.32	3.93	3.97	1.86	123.37
WELL NO. EW-31	13.38	12.52	13.40	12.61	11.36	12.86	13.22	12.92	10.11	11.34	5.52	4.54	133.78
TOTAL													GRAND TOTAL
MAXIMUM													
MINIMUM													
DAYS IN OPERATION													TOTAL OPERATION DA

SEE NEXT PAGE

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 DA

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)

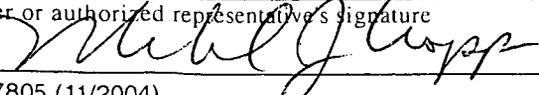
RETURN FLOW (in Units of Millions of Gallons)

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 11/25/05

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WITHDRAWALS

GROUND WATER (in Units of Millions of Gallons)													Registration Number
SOURCE	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL PER YEAR
WELL NO. W-32	8.92	8.26	8.74	8.40	8.75	8.02	8.84	8.55	6.74	7.53	3.67	3.02	89.44
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	129.92	123.82	130.19	118.76	135.11	137.37	137.21	130.90	104.05	93.61	55.57	45.44	GRAND TOTAL 1341.95
MAXIMUM	13.38	12.52	13.40	12.61	13.21	13.15	13.37	13.01	10.55	11.34	11.21	9.88	
MINIMUM	7.62	7.36	7.58	7.15	8.53	8.02	6.66	5.73	5.71	3.65	0.96	1.03	
DAYS IN OPERATION	31	29	31	30	31	30	31	31	30	31	30	31	TOTAL OPERATION DAYS 366

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.

Signature of writer or authorized representative's signature: *Michael J. Lopez* Date: 1/25/05

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

WITHDRAWALS

Registration Number 01573

GROUND WATER (in Units of Millions of Gallons)

Table with columns for SOURCE, JAN., FEB., MARCH, APRIL, MAY, JUNE, JULY, AUG., SEPT., OCT., NOV., DEC., and TOTAL PER YEAR. Includes rows for wells EW-26, EW-27, EW-28 and a GRAND TOTAL of 354.85.

SURFACE WATER (in Units of Millions of Gallons)

Table with columns for SOURCE, JAN., FEB., MARCH, APRIL, MAY, JUNE, JULY, AUG., SEPT., OCT., NOV., DEC., and TOTAL PER YEAR. Includes rows for INTAKE and a GRAND TOTAL.

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)

Table with columns for SOURCE, JAN., FEB., MARCH, APRIL, MAY, JUNE, JULY, AUG., SEPT., OCT., NOV., DEC., and TOTAL PER YEAR. Includes rows for FLOW and a 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)

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Owner or authorized representative's signature

Date 1/25/05

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**

Registration Number 01573

ROUND 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. W-3	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. W-13	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. W-14	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. W-15	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. W-16	0	0	0	0	0	0	0	0	0	0	0	0	0
WELL NO. W-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.													
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 0

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)

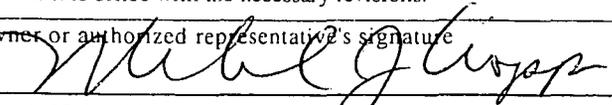
RETURN FLOW (in Units of Millions of Gallons)

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)

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Owner or authorized representative's signature  


Date 1/25/05