



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

SEND TO: OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RESOURCES
WATER INVENTORY AND PLANNING PROGRAM
2045 MORSE ROAD, BLD. B-2
COLUMBUS, OHIO 43229-6693
(614) 265-6745

-1

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 ODNR, Division of Water Resources.

Water Withdrawal Report for the Year Ending December 31, 2017

According to our records the Contact is listed as:

Please Make Corrections Below

Contact Name: WILLIAM HERTEL
Company Name: NAVARRO RESEARCH AND ENGINEERING, INC
Address: 10995 HAMILTON - CLEVES HIGHWAY
HARRISON OH 45030
Phone: 513/648-3894

Facility Owner:

Please Make Corrections Below
(Notify us if facility ownership has changed)

Owner Name: THE UNITED STATE DEPT. OF ENERGY
Company Name: OFFICE OF LEGACY MANAGEMENT
Address: 10995 HAMILTON - CLEVES HIGHWAY
HARRISON OH 45030
Phone: 513/648-3148

Facility Name and Withdrawal Mode:

County: HAMILTON
Registration Number: 01573
Facility Name: USDOE FERNALD PRESERVE
Registration Date: 11/8/1991

Please note changes in facility status, or naming, in the gray spaces next to the well or intake number(s) below.

Facility's WELL (Ground Water) Identification				Facility's INTAKE (Surface Water) Identification			
CW-1		RW-1					
CW-2		RW-2					
CW-3		RW-3					
EW-15a		RW-4					
EW-17A		RW-6					
EW-18		RW-7					
EW-19							
EW-20							
EW-21A							
EW-22							
EW-23							
EW-24							
EW-25							
EW-26							
EW-27							
EW-30							
EW-33a							

WITHDRAWALS

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

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	2.43	1.33	0	0	2.5	0	0	1.81	0	0.09	4.72	12.88
WELL NO. CW-2	0	0	0.55	0	0	0	0.97	0	0	2.42	0	0	3.94
WELL NO. CW-3	2.25	0	0	0	1.34	0	0.91	1.80	0	0	1.36	0.45	8.11
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	2.25	2.43	1.88	0	1.34	2.5	1.88	1.80	1.81	2.42	1.45	5.17	GRAND TOTAL 24.93
MAXIMUM	2.25	2.43	1.33	0	1.34	2.5	0.97	1.80	1.81	2.42	1.36	4.72	
MINIMUM	0	0	0	0	0	0	0	0	0	0	0	0	
DAYS IN OPERATION	5	3	5	0	3	5	4	5	3	5	3	9	TOTAL OPERATION DAYS 50

Are 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)

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 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	229.70	216.63	237.12	223.57	91.06	141.79	231.18	234.91	212.17	239.75	223.47	205.14	2486.50
FLOW													
TOTAL	229.70	216.63	237.12	223.57	91.06	141.79	231.18	234.91	212.17	239.75	223.47	205.14	GRAND TOTAL 2486.50

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: *Walter G. Hertel* Date: 1/31/2018

WITHDRAWALS

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

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. RW-1	10.28	8.43	8.50	5.89	0.00	7.96	9.48	9.42	8.69	9.79	10.72	10.71	99.88
WELL NO. RW-2	6.02	8.05	9.09	8.42	2.02	7.86	9.48	9.15	8.69	9.78	9.46	8.89	96.89
WELL NO. RW-3	5.64	6.64	8.91	8.38	1.69	7.87	9.48	9.44	9.63	10.77	10.59	10.28	99.31
WELL NO. RW-4	1.75	8.46	9.29	8.13	2.15	7.85	9.36	8.53	3.47	4.08	0.22	5.61	68.89
WELL NO. RW-6	13.96	11.67	13.08	11.03	0.00	7.47	13.04	13.90	11.14	14.63	13.76	6.94	130.62
WELL NO. RW-7	14.31	11.47	11.59	12.57	2.29	5.72	11.37	12.79	12.21	12.35	12.99	13.51	133.17
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	51.96	54.71	60.46	54.41	8.16	44.72	62.21	62.23	53.83	61.39	57.74	55.93	GRAND TOTAL 628.76
MAXIMUM	14.31	11.67	13.08	12.57	2.29	7.96	13.04	13.90	12.21	14.63	13.76	13.51	/ / / / /
MINIMUM	1.75	6.64	8.50	5.89	0.00	5.72	9.36	8.53	3.47	4.08	0.22	5.61	/ / / / /
DAYS IN OPERATION	31	28	31	30	31	30	31	31	30	31	30	31	TOTAL OPERATION DAYS 363

Are 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)

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 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

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Owner or authorized representative's signature

Date

G. Hertel

1/31/2018

WITHDRAWALS

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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-15A	14.31	13.30	13.90	14.17	6.48	8.82	13.61	14.37	13.09	14.71	13.89	14.72	155.39
WELL NO. EW-17A	8.73	7.58	8.69	8.11	3.96	5.28	7.85	7.42	5.98	8.70	8.43	8.40	89.13
WELL NO. EW-18	5.44	4.70	5.35	5.12	2.58	3.17	6.12	5.46	4.92	4.97	4.74	4.94	57.50
WELL NO. EW-19	4.79	4.41	4.84	4.75	2.24	2.66	4.57	3.78	4.30	4.93	4.78	4.59	50.64
WELL NO. EW-20	9.85	8.85	9.19	9.49	4.48	5.70	9.59	9.85	8.73	9.82	9.48	9.50	104.53
WELL NO. EW-21A	14.01	12.81	13.93	12.54	6.47	2.23	13.91	13.50	13.05	14.74	13.83	11.23	142.26
WELL NO. EW-22	14.66	13.31	14.32	14.16	6.64	8.47	13.71	14.47	13.11	14.73	13.92	14.75	156.26
WELL NO. EW-23	24.58	21.24	24.24	22.51	11.15	12.82	21.84	23.08	20.57	24.54	23.76	23.34	253.68
WELL NO. EW-24	18.14	16.71	16.81	17.72	8.88	10.22	19.38	18.95	17.42	19.62	19.01	9.80	192.65
WELL NO. EW-25	4.96	4.43	5.23	5.24	2.23	2.73	3.34	3.39	4.45	5.00	4.90	5.06	50.94
WELL NO. EW-30	18.51	17.71	19.61	18.17	8.93	10.69	19.16	18.85	17.44	17.18	12.06	0	178.30
WELL NO.													
TOTAL	137.96	125.05	136.10	131.99	64.04	72.80	133.08	133.12	123.07	138.94	128.80	106.34	GRAND TOTAL 1,431.29
MAXIMUM	24.58	21.24	24.24	22.51	11.15	12.82	21.84	23.08	20.57	24.54	23.76	23.34	
MINIMUM	4.79	4.41	4.84	4.75	2.23	2.23	3.34	3.39	4.30	4.93	4.74	0	
DAYS IN OPERATION	31	28	31	30	31	30	31	31	30	31	30	31	TOTAL OPERATION DAYS 365

Are 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)

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 withdrawal amounts based on metered readings? yes no (circle one) If "no," how were the reported withdrawal amounts determined?
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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

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Owner or authorized representative's signature

William A. Hertel

Date

11/31/2018

WITHDRAWALS

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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	14.02	13.32	14.68	14.19	6.69	8.41	10.84	14.41	12.70	14.70	13.85	14.70	152.49
WELL NO. EW-27	9.13	8.16	9.79	9.44	4.44	5.13	9.49	9.77	8.48	9.79	9.53	9.21	102.37
WELL NO. EW-33A	14.39	12.96	14.21	13.54	6.39	8.22	13.69	12.58	12.28	12.51	12.11	13.80	146.66
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
WELL NO.													
TOTAL	37.54	34.43	38.67	37.17	17.52	21.76	34.02	36.76	33.46	37.00	35.48	37.70	GRAND TOTAL 401.53
MAXIMUM	14.39	13.32	14.68	14.19	6.69	8.41	13.69	14.41	12.70	14.70	13.85	14.70	
MINIMUM	9.13	8.16	9.79	9.44	4.44	5.13	9.49	9.77	8.48	9.79	9.53	9.21	
DAYS IN OPERATION	31	28	31	30	31	30	31	31	30	31	30	31	TOTAL OPERATION DAYS 365

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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

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Owner or authorized representative's signature: William A. Hertel Date: 1/31/2018