

DANVILLE WATER

COMPANY

ANNUAL REPORT

2025

DANVILLE WATER TREATMENT PLANT PERSONNEL 2025

Matt Ellison –Superintendent holds a grade WT3 Water Treatment Operators license and a grade DSL Water Distribution license, and holds a class B cdl with air brakes, and has been employed by the Town of Danville 27.5 yrs.

Tim Browder- has been employed by the Town of Danville 5 Years, 9 Months,

Josh Kirkpatrick-Operator in training, holds a class B-CDL
And has been employed with the Town of Danville for 10 years, 9 months

Wade Custis- has been employed by the Town of Danville for 3 years and 5 months.

Isaac Utley- Operator in training, and has been employed by the Town 1 year and 5 months

Hunter Catt-Operator in training, holds a Class B CDL with air brakes and has been employed by the Town 5 years and 7 months

Total Water Dept Overtime Hours 994.25 Hours

2025	OVERTIME HOURS		WORKED				
	TIM B.	WADE C.	HUNTER C.	JOSH K.	ISACE U.	Monthly TOTAL	NOTES
JANUARY	28.5	49.5	46.75	51.25	30.75	206.75	Snow
FEBRUARY	8	3	12.25	7	2	32.25	
MARCH	20.25	12.5	15.75	17.25	12.75	78.5	
APRIL	13.25	2	10	2	6.5	33.75	
MAY	18.75	16.25	15	22.5	17	89.5	
JUNE	12	7	13.75	23	10.5	66.25	
JULY	12.5	13.25	19	21	18.25	84	
AUGUST	14.5	7.5	10.75	11.75	11.5	56	
SEPTEMBER	2.25	5.75	12	12	25.25	57.25	
OCTOBER	18.75	9.5	7.75	3	9.75	48.75	
NOVEMBER	41.5	19.25	26.25	21.25	26	134.25	Leaks
DECEMBER	20.75	31	21	6	28.25	107	Snow/Leaks
TOTAL	211	176.5	210.25	198	198.5	994.25	

2004 WATER PLANT DESCRIPTION AND OPERATION

THE DANVILLE WATERWORKS TREATMENT IS GIVEN THE RATING WT3. A WT3 FACILITY USES CHEMICAL FEED TO ACHIEVE DISENFECTION OR FLOURIDE STANDARDIZATION, PLUS PRESSURE OR GRAVITY FILTRATION TO TREAT WELL WATER SOURCES FOR IRON REMOVAL AND OR CATION EXCHANGE SOFTENING REGARDLESS OF POPULATION SERVED.

THE TREATMENT PROCESS BEGINS AT OUR 6 WELLS FROM WHICH DANVILLE IS SUPPLIED FROM. WELL WATER IS PUMPED TO THE WATER TREATMENT FACILITY WHERE IT IS OXIDATED BY AERATION THEN TO A 42,000 GALLON DETETION TANK, AFTER DETENTION THE WELL WATER FLOWS TROUGH THE OPEN GRAVITY FILTERS THEN TO A FINISHED WATER CLEARWELL FROM THERE WATER IS PUMPED ON DEMAND TO THE DISTRIBUTION SYSTEM. THE CAPACITY OF THE TREATMENT FACILITY IS 1.4 MGD.

BACKWASHING IS THE PROCESS IN WHICH THE FILTERS ARE WASHED CLEAN AFTER THEY HAVE ACCUMULATED A LAYER OF FILTERED MATERIAL THROUGH OUT THE FILTER MEDIA. WHEN THE FILTERS ARE BACKWASHED DEPENDS ON: THE AMOUNT OF FLOW, DIFFERENTIAL PRESSURE AND THE AMOUNT OF IRON SHOWN PRESENT IN THE FILTERED WATER UPON CHEMICAL ANALYSIS. BACKWASH WATER IS SENT TO THE WATER POLLUTION CONTROL FACILITY FOR PROCESS.

2024 WATER PLANT DESCRIPTION AND OPERATIONS

THE DANVILLE WATERWORKS TREATMENT IS GIVEN THE RATING WT3. A WT3 FACILITY USES CHEMICAL FEED TO ACHIEVE DISENFECTION OR FLORURIDE STANDARDIZATION, PLUS PRESSURE FILTRATION TO TREAT WELL WATER SOURCES FOR IRON REMOVAL AND OR CATION EXCHANGE SOFTENING REGUARDLESS OF POPULATION SERVED.

THE TREATMENT PROCESS BEGINS AT ONE OF THE SIX WELLS FROM WHICH DANVILLE IS SUPPLIED FROM. WELL WATER IS PUMPED TO THE WATER TREATMENT FACILITY WHERE IT IS OXIDATED BY AERATION THEN TO 2X 42,000 GALLON DETENTION TANKS, AFTER DETENTION THE WELL WATER FLOWS THROUGH THE 3 PRESSURE FILTERS RATED AT 1,062 GALLONS PER MINUTE PER FILTER, THEN TO A FINISHED 400,000 GALLON WATER CLEARWELL, FROM THERE WATER IS PUMPED ON DEMAND TO THE DISTRIBUTION SYSTEM. THE CAPACITY OF THE TREATMENT FACILITY IS 3.0 MGD.

BACKWASHING IS THE PROCESS IN WHICH THE FILTERS ARE WASHED CLEAN AFTER THEY HAVE ACCUMULATED A LAYER OF FILTERED MATERIAL THROUGH OUT THE FILTER MEDIA. WHEN THE FILTERS ARE BACKWASHED DPENDS ON: THE AMOUNT OF IRON SHOWN PRESENT IN THE FILTERED WATER UPON CHEMICAL ANALYSIS. BACKWASH WATER IS SENT TO THE WATER POLLUTION CONTROL FACILITY FOR PROCESS.

	North	Plant	2025	Monthly Averages of Daily Samples & Residuals				
				Raw/well	Finish	Raw/well	Finish	Finish
				PH	PH	IRON	IRON	Phosphate
January	7.69	7.68	2.55	0.02	1.37	2.54	0.86	
February	7.41	7.34	2.53	0	1.63	2.53	1.09	
March	7.35	7.36	2.48	0	1.7	2.48	1.19	
April	7.26	7.45	2.52	0.02	1.46	2.06	0.98	
May	7.24	7.26	2.47	0.03	1.46	1.95	0.98	
June	7.26	7.26	2.43	0.05	1.4	1.94	1.08	
July	7.25	7.25	2.51	0.05	1.42	1.82	1.1	
August	7.23	7.23	2.62	0.04	1.53	1.93	0.88	
September	7.23	7.24	2.59	0.04	1.46	1.86	0.76	
October	7.19	7.2	2.61	0.03	1.45	1.87	1.21	
November	7.24	7.24	2.26	0.03	1.34	2.45	0.84	
December	7.31	7.34	2.2	0.02	1.36	2.41	0.83	
Yearly Ave.	7.305	7.32	2.5	0.03	1.5	2.15	0.98	

(New) NORTH PLANT Chemical Usage and Pumpage Totals
 2025 Monthly Totals

Chemicals/Pumpage	MG	Ibs	Ibs	Run Hours	Ibs	MG
	Pumpage	CL2	PO4	3 Filters	Oracle	Backwash
January	37.554	1008.43	1795	485.51	1151	1.9
Feb	27.477	900.3	1783	427.32	1253	1.969
March	36.778	1281.06	2196	515.14	1535	1.919
April	30.345	987.84	2007	534.2	1349	1.967
May	34.722	1229.76	2215	572.89	1513	1.984
June	34.885	1312.84	2156	564.24	1417	2.021
July	39.356	1454.2	2471	589.6	1651	2.013
August	39.75	1514.63	2517	619.9	1716	2.091
September	37.13	1361.77	2224	602.02	1578	2.014
October	34.932	1324.13	2196	593.39	1553	2.097
November	27.871	965.37	1617	498.1	1085	2.067
December	28.134	1001.49	1757	471.55	1205	2.119
TOTAL	408.934	14341.82	24934	6473.86	17006	24.161

Ibs=Pounds

MG=Million Gallons

PO4=Phosphate

Cl2=Gas Chlorine

	South(old)	Plant	2025	Monthly Averages of Daily Samples & Residuals					
				Raw/well	Finish	Raw/well	Finish	Finish	Distribution
				PH	PH	IRON	IRON	Phosphate	Copper
January	7.7	7.69	2.37	0.06	1.76	0.06	2.95	0.86	
February	7.74	7.69	2.35	0.08	1.72	0.06	2.92	1.09	
March	7.43	7.67	2.3	0.06	1.77	0.04	2.89	1.24	
April	7.69	7.68	2.21	0.03	1.75	0.04	2.93	1	
May	7.61	7.61	2.09	0.02	1.92	0.04	2.77	0.98	
June	7.48	7.62	1.65	0.02	1.9	0.06	2.8	1.06	
July	7.62	7.59	1.62	0.02	1.97	0.08	2.74	1.1	
August	7.86	7.59	1.67	0	1.91	0.07	2.72	0.88	
September	7.58	7.57	1.78	0.02	2.06	0.07	2.67	0.75	
October	7.62	7.56	7.78	0.02	2.02	0.05	2.66	1.21	
November	7.63	7.62	1.76	0.01	2.07	0.03	2.81	0.84	
December	7.68	7.67	1.9	0.02	2.14	0.05	2.92	0.83	
Yearly Ave.	7.64	7.63	2.46	0.03	1.92	0.05	2.82	0.99	

CEG and South Plant (old) Chemical Usage and Pumpage Totals
2025 Monthly Totals

Old	South Plant	Danville	Danville	Danville	Danville	Danville	Danville	Indy	Indy	Total	
	MG	Ibs	Ibs	Run Hours	Ibs	Ibs	Ibs	Ibs	MG	MG	MG
Chemicals/Pumpage	Pumpage	CL2	PO4 Ibs	2 Filters	Bleach	Main Str	Oracle	CEG/po4	CEG	CEG/Danville	Backwash
January	5.886	241.89	399	88.21	690	44	197	0	0	5.886	0.278
Feb	7.452	318.22	527	120.49	670	52	262	0	0	7.452	0.245
March	5.993	243.17	440	88.33	720	46	227	0	0	5.993	0.141
April	4.326	143.31	297	62.76	650	30	137	0	0	4.326	0.259
May	3.972	88.64	282	57.62	750	27	136	0	0	3.972	0.166
June	4.399	118.22	161	73.16	720	31	292	0	0	4.399	0.185
July	5.071	160.32	340	74.95	730	34	181	0	0	5.071	0.335
August	6.259	194.97	438	94.34	400	44	220	0	0.581	6.84	0.249
September	6.267	194.83	411	89.52	700	37	202	0	0	6.267	0.248
October	5.399	176.6	374	84.63	720	41	183	0	0	5.399	0.301
November	5.291	169.71	372	76.01	710	39	181	0	0	5.291	0.186
December	6.561	210.64	459	93.68	720	42	277	0	0	6.561	0.252
TOTAL	66.876	2260.52	4500	1003.7	8180	467	2495	0	0.581	67.457	2.845

Ibs=Pounds

CITIZENS ENERGY GROUP=CEG Indianapolis Water

MG=Million Gallons

PO4=Phosphate

CL2=Gas Chlorine

Main Str.= Copper

	2025	WELL	FLOWS	in	Million	Gallons	
	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	TOTAL
January	2.171	2.407	6.628	7.009	7.969	6.649	32.833
Febraury	2.775	2.989	7.908	5.309	5.812	5.282	30.075
March	2.216	2.366	7.836	7.292	9.064	6.964	35.738
April	1.687	1.561	8.182	7.661	8.284	8.541	35.916
May	1.248	1.598	11.223	6.844	9.465	9.137	39.515
June	1.714	1.359	8.781	8.951	9.11	10.813	40.728
July	1.881	1.617	11.82	9.341	8.98	8.775	42.414
AUGUST	2.001	2.388	10.893	11.654	10.037	4.763	41.736
September	1.948	2.184	11.976	10.185	11.268	4.12	41.681
October	2.016	1.686	13.411	9.778	8.804	3.806	39.501
November	1.836	1.785	5.877	8.189	6.202	8.527	32.416
December	2.374	2.073	8.529	6.053	7.464	6.672	33.165
TOTAL	23.867	24.013	113.064	98.266	102.459	84.049	445.718

Danville Water Co. Activities

	<u>2025</u>	<u>2024</u>
Gallons Produced	475.81MG	515.655MG
Highest Production Day	1.961MG	1.937MG
Run Hrs	7,477.56	7,878.26
Cl2 lbs used	16,602.34	20,575.29
Po4 lbs used	29,434	25,729.00
Oracle	19,501	15,943
Earthtec	467	2,435
Bleach	8180	12,010
Main Replacements	0	0
Main valve Replacements	0	1
Fire Hydrants Painted	20	0
Main Repaires	16	12
Service Lines Repaired	3	6
Service Lines Replaced	5	6
New Service Lines	1	6
Valve Boxes Replaced	4	15
Fire Hydrants Replaced	1	3
MXU Installed	436	214
Read Outs	542	489
Winter Shutoffs	0	0
New Meters	294	309
Freeze Ups	2	0
Total Water Leaks	14	15
Non Payments	77	123
Turn Ons	384	359
Moving Disconnects	158	130
Meters Replaced	23	24
Billing Rechecks	0	81
Total	1980	1793

2025 ¾" and 1" Water service line work repairs, replaced, and new installs

<u>Location/Work</u>	<u>Date</u>
539 Paddlebrook 1" service line replaced (Planned excavation)	2-24-25
600 E Main st 2" service line repair (EMG)	2-8-25
540 W Lincoln st ¾" service line replaced (EMG)	5-11-25
215 Urban st service line repair (EMG)	8-28-25
536 Sycamore ln service line replaced (Planned excavation)	9-23-25
1419 Backwater dr service line replaced (Planned excavation)	11-20-25
204 Old N Salem rd service line replaced (EMG)	11-29-25
536 Sycamore ln 2" water main repair (EMG)	11-29-25

2025 Major projects/Main repairs 4"-12" and Fire hydrants

<u>Location/Work</u>	<u>Date</u>
1000 E Broadway 6" Water main repair (EMG)	1-20-25
94 S Tennessee St 6" Water main repair (EMG)	1-31-25
E Marion St 6" Water main repair (EMG)	1-31-25
52 N Kentucky St 6" Water main repair (EMG)	2-3-25
1 Hilltop Dr 6" Water main repair (EMG)	3-1-25
803 E Main St 6" Water main repair (EMG)	4-15-25
318 Walnut Dr 6" Water main repair (EMG)	5-7-25
6520 Cartersburg Rd 2" Water main Addition (Planned)	7-24-25
397 Cook Ave 6" Water main bell repair (Planned)	8-11-25
52 N Kentucky St 6" Water main bell repair (Planned)	8-12-25
Old Farm Rd/Tradition Ln Fire Hydrant Replacement (Planned)	9-19-25
3 Northview Dr 6" Water main repair (EMG)	10-27-25
5 Stratford Way 8" Water main repair (EMG)	11-8-25
5 Woodland Pl 4" Water main repair (EMG)	11-8-25
725 S Kentucky St 8" Water main repair (EMG)	12-4-25
515 Apple blossom 8" Water main repair (EMG)	12-6-25
201 Copperfield Crossing 6" Water main repair (EMG)	12-6-25
Urban St/W Clinton 8" Water main repair (EMG)	12-19-25