

VILLAGE OF POPLAR GROVE

"A Great Place to Call Home"

VILLAGE BOARD OF TRUSTEES

Wednesday, July 17, 2024 - 7:00 PM

200 N. Hill Street, Poplar Grove, IL 61065

CALL TO ORDER

ROLL CALL

PLEDGE OF ALLEGIANCE

APPROVAL OF PHONE PARTICIPATION (Roll Call)

APPROVAL OF AGENDA (Voice Vote)

APPROVAL OF MINUTES (Voice Vote)

<u>1.</u> Motion to approve minutes from June 19, 2024 Village Board of Trustees Meeting.

PUBLIC COMMENT Public Comment is encouraged. The Village Board will receive comments from the public, pursuant to State Statutes. Comments will be limited to five minutes on topics relating to the Village of Poplar Grove. Be further advised that matters brought up at this time may be referred to the appropriate committee or individual for further discussion or consideration.

DEPARTMENT REPORTS

- 2. Engineer Report, McMahon
- 3. Public Works Report, David Howe
- 4. Treasurer Report, Carina Boyd
- 5. Wastewater Report, TEST

UNFINISHED BUSINESS

<u>6.</u> Motion to discuss/approve **Resolution 2024-16** A Resolution of the Village of Poplar Grove resolving to retain Midwest Sports Surfaces, LLC for rehabilitation of the tennis courts at Village Hall.

NEW BUSINESS

- 7. Motion to discuss/approve quote for the Ravens Crest entrance sign from Timber Line Sign Company.
- 8. Motion to discuss/approve to approve check disbursement for payments scheduled to be paid prior to July 31, 2024, in the amount of \$203,624.93 in AP checks, \$17.487.41 in insurance expense checks, \$24,544.53 EFTS, and Payroll with estimates included \$49,349.91 for a grand total of \$295,006.78.
- <u>9.</u> Motion to discuss/approve **Resolution 2024-17** A Resolution of the Village of Poplar Grove to adopt the Village's source water protection plan.
- <u>10.</u> Motion to discuss/approve **Resolution 2024-18** A Resolution of the Village of Poplar Grove, Illinois to authorize the Village of Poplar Grove to enter into an agreement with Solutions Bank for a truck loan.

GOOD OF THE VILLAGE

 Planning and Zoning Meeting July 31st, 2024 - 6:00 pm Boone County Fair August 6th - 11th, 2024
 Board of Trustee Meeting August 14th, 2024 - 7:00 pm Board of Trustee Meeting August 21st, 2024 - 7:00 pm

ADJOURNMENT (Voice Vote)

KJ 07/15/2024



VILLAGE OF POPLAR GROVE

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VILLAGE BOARD OF TRUSTEES

Wednesday, June 19, 2024 - 7:00 PM

200 N. Hill Street, Poplar Grove, IL 61065

CALL TO ORDER President Sattler called the meeting to order at 7:00 pm

ROLL CALL

PRESENT President Don Sattler Admin Chairman Owen Costanza via phone Finance Chairman Jeff Goings Trustee Dan Cheek Trustee Dan Cheek Trustee Austin Davies Trustee Bruce More Trustee Bruce More Trustee Betsy Straw Attorney Keri-Lyn J. Krafthefer Clerk Karri Miller Treasurer Chris Dopkins Public Works Director David Howe Wastewater Director Ion Steer

PLEDGE OF ALLEGIANCE

APPROVAL OF PHONE PARTICIPATION (Roll Call)

Motion made by Finance Chairman Goings, Seconded by Trustee Cheek to allow Trustee Costanza to participate via phone.

Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee More, Trustee Straw

APPROVAL OF AGENDA (Voice Vote)

Motion made by Admin Chairman Costanza, Seconded by Trustee Moore. Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee Moore, Trustee Straw

APPROVAL OF MINUTES (Voice Vote)

 Motion to approve minutes from May 29, 2024 Special Board Meeting Motion made by Trustee Cheek, Seconded by Finance Chairman Goings. Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee Moore, Trustee Straw

PUBLIC COMMENT Public Comment is encouraged. The Village Board will receive comments from the public, pursuant to State Statutes. Comments will be limited to five minutes on topics relating to the Village of Poplar Grove. Be further advised that matters brought up at this time may be referred to the appropriate committee or individual for further discussion or consideration.

No public comment

DEPARTMENT REPORTS

- 2. Engineer Report, McMahon The contractor plans to start the road project next week
- Public Works Report, David Howe Sidewalk repairs are going on around the village. The Ravens Crest sign will need to be taken down and replaced.
- 4. Treasurer Report, Carina Boyd no questions
- 5. Wastewater Report, TEST President Sattler will be with Ion to tour the North Plant on July 3, 2024

UNFINISHED BUSINESS

6. Motion to discuss and possible approval of selection of contractor to perform tennis court restoration repairs.

Motion made by Trustee Cheek, Seconded by Trustee Straw.

Engineer Dopkins went over the quote and the needs of the tennis court. Dopkins suggested that the board go with Midwest Sports for the repairs.

Engineer Dopkins will create a resolution and bring to the board for final approval. Discussion Only

NEW BUSINESS

Presentation for BS&A Software upgrade with Keegan Nixon.
 Motion made by Finance Chairman Goings, Seconded by Trustee Moore.
 BS&A representative Keegan Nixon went over the software program and how it works.
 Trustees asked questions to Mr. Nixon.
 Discussion only

- Motion to discuss and possible action for BS&A software upgrade with the of purchase Community Development and Purchase Order modules. Trustees skipped
- 9. Motion to discuss/approve Ordinance 2024- An Ordinance of the Village of Poplar Grove, Illinois amending Title I, Administration, Chapter 6, Village Officers and Employees, amending section 1-6-6, Salaries and Chapter 6, Article A, Village Clerk, section 1-6A-2.1, Salary to the Village of Poplar Grove Code of Ordinances. Motion made by Trustee Straw, Seconded by Finance Chairman Goings. Trustee Costanza asked for the mayor salaries to go from \$15,000 to \$10,000, including \$500 for the role of Liquor Commissioner. Debate on reducing Trustee's salary from \$5,500 to \$5,000 annually, with considerations on the impact of the reduction. Motion made by Finance Chairman Goings, Seconded by Admin Chairman Costanza to change the pay for the Trustees to \$5,000 Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Moore Voting Nay: Trustee Davies, Trustee Straw

Motion made by Trustee Davies, Seconded by Trustee Straw to change the Village President salary to \$10,000 to include the liquor commissioner annual salary. Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee More, Trustee Straw

- 10. Motion to discuss/approve to approve check disbursement for payments scheduled to be paid prior to June 30, 2024, in the amount of \$204,608.94 in AP checks, \$17,487.41 in insurance expense checks, \$25,344.53 EFTS, and Payroll with estimates included \$72,836.66 for a grand total of \$320,277.54. Motion made by Finance Chairman Goings, Seconded by Trustee Cheek. Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee Moore, Trustee Straw Trustee Goings stated that the big payment was a payment for Larson and Larson for the Public Works Building.
- Motion to discuss/approve Resolution 2024- A Resolution of the Village of Poplar Grove to adopt a vision statement for the Village's source water protection plan. Motion made by Finance Chairman Goings, Seconded by Trustee Cheek. Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee More, Trustee Straw Engineer Dopkins stated that this resolution is required by the state.

GOOD OF THE VILLAGE

12. Community Open House June 26th, 2024 - 6:00 pm Board of Trustee Meeting July 10th, 2024 - 7:00 pm Board of Trustee Meeting July 17th, 2024 - 7:00 pm Planning and Zoning Meeting July 24th, 2024 - 6:00 pm

ADJOURNMENT (Voice Vote)

Motion made by Finance Chairman Goings, Seconded by Trustee More. Voting Yea: Admin Chairman Costanza, Finance Chairman Goings, Trustee Cheek, Trustee Davies, Trustee Moore, Trustee Straw The meeting adjourned at 8:50 pm





To: The Village President and Board of Trustees

From: Chris Dopkins, P.E., Village Engineer

Re: Engineering Report – June 2024 Activity

Date: July 7, 2024

Please allow this memorandum to provide a brief summary of major activity over the past month that involves the engineering department:

- **Public Works Building:** Activity for the building is winding down, there are a few punch list items that have come up that need to be addressed. We are still awaiting the shipment of the electrical panel and we have prepared a change order to extend the contract as there is no ship date on the panel as of yet. As a reminder, the electrician has temporarily wired circuits that the Public Works Staff needs for the building to be functional, and did so at no cost to the Village.
- **2023 Pavement Maintenance Program:** We have finally seen movement from IDOT regarding the material certifications for the State Street Project which are needed before we can process final payment and close the project out. We hope to be completely closed out by the end of July. Final payment will then be presented for Board approval in August.
- **2024 Pavement Maintenance Program:** The contractor has completed most of the work for the project. Shouldering, restoration and the work at Culver/Waco are all that remain at the time of this memorandum.
- Source Water Protection Plan: The reports for each of the Village's three systems are complete and will be presented to the Board for adoption at the July 17th meeting. Reports are due to the IEPA at the end of July.
- South Wastewater Treatment Plant: There are a number of items associated with the SWWTP. First, the Village's permit is up for renewal and we have not heard back from the agency as of the date of this memo regarding the renewal application. Second, the Village has received a notice of violation for issues surrounding the Nutrient Assessment Reduction Plan (NARP). Staff has met w/ IEPA representatives and we are very pleased to report that the Agency is receptive to the Village's approach to remedy the violation. These steps were discussed with the Board members by Sosnowski/Szeto's office and generally include taking steps to classify the SWWTP as a "minor" facility. Once classified as a "minor" facility the SWWTP will no longer be subject to the NARP requirements. In the interim period the Village will agree to NARP requirements developed for the Kishwaukee & Rock River watersheds. Staff has provided a letter to the agency outlining its plan and is working the agency to finalize the plan.





VILLAGE OF POPLAR GROVE

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200 N. Hill Street, Poplar Grove, IL 61065 Phone: (815) 765-3201 – Fax: (815)765-3571 https://www.poplargrove-il.gov/

Public Works Report, June 2024

- Road projects took place at the end of June, with near full completion by the 4th of Julie. Bullard and East Edson were repaved. The intersection of Starflower and Queenannes had curb and sidewalk replaced, and the intersection was repaved. Whiting had a patch replaced and drain work was completed on Waco Way.
- Prior to the road maintenance, staff attempted to replace four sewer laterals on Bullard. After excavating the first lateral, the excavation site was deemed too dangerous for our staff to work on. Due to the soil composition and saturation, we were facing continuous cave ins. A trench box and larger machine were needed, and NTrak was called out for emergency repairs.
- Removed damaged and outdated signage at Whiting and 76 intersections.
- Staff began sidewalk repair in the Village. This month the West Grove neighborhood was completed. Going forward, we will be trying to get a neighborhood completed each month through October pending weather.
- Three damaged curb sections were replaced in Burled Wood.
- Sanitary repair work was done on Edson.
- Repair a damaged window in our MX5-111 tractor.
- Prepped fall zone for the Neighbors Night fireworks, brought up trucks for touch a truck, and added garbage cans to the Hall for the event.
- Staff went and picked up our new 5-yard plow truck. At the time of pick up, the plow itself was still delayed. Lindco completed everything else, and we are looking at delivery of the plow in the beginning of September.
- Roadsides, waterways, and detention areas were mowed.
- After discussion with the Knolls of Boone HOA, staff overlayed the walking path in the Arboretum with millings. We cleaned up weeds, overgrowth, and trimmed trees. The HOA replaced plants and bushes, and then had the beds mulched.
- Met with Marissa from the IEPA, to discuss potential options regarding our SWWTP and the NARP requirements. At this time, we have developed a game plan and will move forward in the coming months.
- Removed the dead trees and damaged signage at the Ravenscrest entrance. The sign will be replaced with a wood one, and the median itself will be cleaned up and leveled back out to improve the aesthetics.
- Removed a few other dead trees and bushes throughout the Village.

- Began spraying curblines for weed growth, will finish out in July as wind speeds allow.
- Sprayed and cleaned up mulch beds at Village Hall.
- I met with ComEd representatives to discuss potential solar additions to the plants. This is an ongoing discussion, and once I have some more information and pricing I will bring to the board.
- Also met with ComEd regarding damaged poles at two of our lift station locations in the Village.
 We are awaiting work order confirmations on these, and I am hoping to see them replaced in July.
- Staff began making a manhole repair inventory list, and we are tentatively planning on beginning those repairs in July as well. Like sidewalks, this will be an ongoing project on a neighborhood-by-neighborhood basis.

As always, do not hesitate to contact me with any additional questions or concerns. I am always open to going into more detail on past, current, or future projects and work my department is doing.

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JUNE 2024 TREASURER'S REPORT

Monthly Reports:

Attached you will find June's financial reports.

Monthly Activities:

- All monthly financial tasks were completed.
- Attached is a list of all payments issued in June.
- Invoices scheduled to be paid in the month of July: \$203,624.93 in AP checks, \$17,148.25 in Insurance Expense checks, and \$24,544.53 in EFTS. Payroll \$49,349.91 (estimates included) Grand Total: \$294,667.62.
- Attached please find the Village of Poplar Grove's pre audit balance sheet as of 6/30/2024.

Ongoing Activities

- The budget is scheduled to be approved on 07/10/2024.
- The annual audit should be finalized by the end of July.

Carina

"I certify, to the best of my knowledge, that the information contained in this Treasurer's Report is true and correct and that I understand that making a false statement on this document is a form of perjury and has penalties provided by law under 735

ILCS 5/1-109."

							LIABILITIES
17,324,056	1,409,147	24,662	12,059,906	607,780	3,222,561		TOTAL ASSETS
333,322 33,227			333,322 33,227			N N	00-1850 00-1900 00-2050 00-2070
							00-1810
(b,387,573) (29,116)			(29,116)			ACCUM DEP-STREET Diff From MFT Find	00-1730
(4,131,277)			(4,131,277) (6,387,573)			ACCUMULATED DEPRECIATION - WATER/	00-1720
(1, 519, 111)			(1,519,111)			ACCUM DEP-VILLAGE NORIH WATER SY	00-1711
(31,018)			(31,018)			ACCUMULATED DEPRECIATION - VEHICL	00-1705
8,148,871 66 551			0, ± ± 0, 551			STREETS	00-1630
13,308,326			14,308,326 8 148 871			WATER/SEWER UITLITY SYSTEM	00-1620
42,017			42,017			VEHICLES VILLAGE WATER SYSTEM	00-1610
136,245			136,245			CONSTRUCTION IN PROGRESS	00-1600
15,144			3,190		++/004	NICOR UTILITY DEPOSIT	00-1501
(193,600)			00L C		11.354)	PREPAID ITEMS	00-1500
193,600					193,600	ACCOUNTS RECEIVABLE - LITIGATION	00-1405 00-1410
//,611			11071				00-1403
175,834			175,834 77 611			ACCOUNTS RECEIVABLE - UNBILLED	00-1402
39,249			3,238		36,011		00-1400
17,635					17,635	LEASE RECEIVA	00-1325
						LOCAL GRANT RECEIVABLES	00-1320
						STATE GRANT RECEIVABLES	00-1310
						FEDERAL GRANT RECEIVARIES	00-1300
						DEFERRED DISCOUNT ON BONDS	00-1260
18,159				18,159		MFT MOTOR FUEL TAXES RECEIVABLE	00-1250
20 052					20,956		00-1240
105,773					105,773	STATE SALES TAXES RECEIVABLE	00-1230
10,516					10,516		00-1220
A7 105					47,125	STATE USE TAX RECEIVABLE	00-1210
						DUE FROM MFT	00-1202
						CD BURED WOOD SEWER CONNECTION	00-1-00
860'C'N			0.07 +0.2		3,098	ACCT REC REPL TAX	00-1110
רבט ברט			39,184		336,467		00-1100
3,433,760					3,433,760	POPLAR GROVE BANK - CD	00-1080
582,199			582,199			CASH WITH PAYING AGENT	00-1075
						PG BANK CREDIT CARD ACCT	00-1060
5001+31				-		CRE	00-1050
101 003		28,306		121,003	0.25,170	WATER / SEWER DEBT SERVICE ACCOUN	00-1040
132,494			132,493		7 CO LC	CASH IN BANK - BYRON BANK Money market	0501-00 ZZAT-00
1,303,913					1,303,913	MO	00-1021
813,049	1,409,147	(3,644)	1,075,093	468,618	(2,136,165)	CASH IN BANK	00-1020
. 0 .					191	PETTY CASH	00-1010

Comparative Balance Sheet

Period Ending 06/30/2024

Page:

11

4. TREASURER oplar Grove

Item 4.

DEPT/ACCOUNT

DESCRIPTION

FUND 01 GENERAL FUND

FUND 20 FUND 31 FUND 32 FUND 90 MOTOR FUEL FUND WATER & SEWER FUN DEBT SERVICE FUND GOV FUNDS CAPITAL

Total

TOTAL LIABILITIES	00-3805 00-4750 50-4751 50-5500	00-2695	00-2665 00-2665	00-2650	00-2510 00-2520	00-2417 00-2431	00-2410	00-2400 00-2401	00-2370 00-2370 00-2380	00-2351	00~2340 00-2350	00-2320 00-2330		00-2303 00-2304 00-2305	00-2301	00-2300	00-2240	00-2220	00-2205 00-2210	00-2203	00-2201	00-2200	00-2051	00-1440 00-2020	00-1432	00-1390	00-1380	00-1340 00-1370	LIABILITIES 00-1330	DEPT/ACCOUNT	ltem Poplar Grove	4. TREASURER
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508,543			17,306				13,891	10,400	256 409	~		ц 3085				18,106						336,467 105,163								FUND 01 GENERAL FUND	Period	Compa
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12.661																					1001	13 61								FUND 90 GOV FUNDS CAPITAL		Page:
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Beginning Fund Balance Net of Revenues Vs Expenditures Ending Fund Balance Total Liabilities And Fund Balance	TOTAL FUND EQUITY	FUND BALANCES 00-3000 FUND BALANCE 00-3001 NET POSITION	DEPT/ACCOUNT DESCRIPTION	Item 4 oplar Grove	р г/15 /2024 11:03 АМ 1 Прелонирер
379,417 379,417 3,018,849	2,130,889	2,130,889	FUND 01 GENERAL FUND	Peric	Compa
(8,478) (8,478) 818,860	779,910	779,910	FUND 20 MOTOR FUEL FUND WATER	Period Ending 06/30/2024	Comparative Balance Sheet
203,240 203,240 11,787,572	8,197,308	8,197,308			ct
68 68 30,218	30,150	30,150	FUND 31 FUND 32 FUND 90 & SEWER FUN DEBT SERVICE FUND GOV FUNDS CAPITAL		
(13,875) (13,875) 1,331,761	1,332,975	1,332,975	FUND 90 FUNDS CAPITAL		Page:
	12,471,232	4,273,924 8,197,308	Total	1:	<u></u>

07/15/202 User: TRF DB: Popla	ASURER			GL ACTIVITY REPORT TRANSACTIONS FROM 06/01/2024 TO 06/30/2024		Page:	Item 4.
Date	JNI.	∏уре	Description	Reference #	Debits	Credits	Balance

Fund 01 GENERAL FUND Unclassified

06/01/2024 06/17/2024 06/30/2024	GJ	JE	01-00-1010 PETTY CASH Postage Paid by Byron Bank 01-00-1010	1494 END BALANCE	BEG. BALANCE 0.00	0.99 0.99	192.26 191.27 191.27
06/01/2024 C6/03/2024 06/03/2024 06/03/2024	PRR PRR CR	CHK CHK RCPT	01-00-1020 CASH IN BANK SUMMARY PR 06/03/2024 SUMMARY PR 06/03/2024 2024-09 5150000000000000000000000000000000000	EFT660 28794 80061	BEG. BALANCE 94.00	5,182.92 144.00	(2,173,983.73) (2,179,166.65) (2,179,310.65) (2,179,216.65)
06/03/2024 06/03/2024 06/03/2024 06/03/2024	CR CR CR CR	RCPT RCPT RCPT RCPT RCPT	POSTAGE PAID BY BYRON BANK 01-00-1010 01-00-1020 CASH IN BANK SUMMARY PRR 06/03/2024 SUMMARY PRR 06/03/2024 2024-09 51510RTHM09 WIN 2024-46 2843STINSON - SOLAR 2024-103 125EGROVE - ROOF 2024-95 541PRAIRIEPNT - FENCE 2024-66 418MAPLELEAF-DRVWAY 2024-102 - 309BRINIE-FENCE RENTS RECEIVED 06/03/2024 000000233 SUMMARY PRR 06/05/2024 SUMMARY PRR 06/05/2024 SUMMARY PRR 06/07/2024 SUMMARY PR 06/14/2024 SUMMARY PR 06/14/2024 SUMMARY PRR 06/14/2024	99087 99098 99105 99106	387.00 134.00 134.00 209.00		(2,178,216.63) (2,178,829.65) (2,178,695.65) (2,178,561.65) (2,178,352.65)
06/03/2024 06/03/2024 06/04/2024 06/05/2024 06/05/2024	CR CR PRR	RCPT RCPT RCPT CHK CHK	2024-102 - 309BRITNIE-FENCE RENTS RECEIVED 06/03/2024 0000000233 SUMMARY PRR 06/05/2024 SUMMARY PRR 06/05/2024	99107 99134 EFT661	134.00 1,500.00 1,250.00	16,345.90 997.51	<pre>(2,178,218.65) (2,176,718.65) (2,175,468.65) (2,191,814.55) (2,192,812.06)</pre>
06/05/2024 06/07/2024 06/08/2024 06/12/2024	CR CD GJ	RCPT CHK JE RCPT	0000000234 SUMMARY CD 06/07/2024 PROPERTY TAXES 2ND INSTALLMENT 2023-164 440IRONWOOD REINSPEC	99215 1487 99473	30.00 62,898.72 55.00	91,068.35	(2,192,812.00) (2,192,782.06) (2,283,850.41) (2,220,951.69) (2,220,896.69)
06/14/2024 06/14/2024 06/14/2024 06/14/2024	PR PRR PRR CR	CHK CHK CHK RCPT	SUMMARY PR 06/14/2024 SUMMARY PRR 06/14/2024 SUMMARY PRR 06/14/2024 2024-107 411WEDSON - BTH ADDI	EFT663 EFT664 99541	215.00	7,445.75 4,693.34 905.50	(2,228,342.44) (2,233,035.78) (2,233,941.28) (2,233,726.28)
06/14/2024 06/17/2024 06/17/2024 06/17/2024 06/17/2024 06/17/2024	CR CR CR CR CR	RCPT RCPT RCPT RCPT RCPT RCPT	SUMMARY PR 06/14/2024 SUMMARY PR 06/14/2024 SUMMARY PRR 06/14/2024 2024-107 411WEDSON - BTH ADDI 2024-108 105BULLARD ROOF STATE CANNABIS USE TAX 06/17/2024 STATE INCOME TAXES 06/17/2024 STATE SALES TAXES 06/17/2024 STATE TELECOMMUNICATIONS TAX 06/17/2 STATE VIDEO GAMING TAX 06/17/2024 STATE VIDEO GAMING TAX 06/17/2024 STATE VIDEO GAMING TAX 06/17/2024	99544 99617	324.00 134.00 659.51 57,908.99 38,537.05 3,352.68		(2,233,402.28) (2,233,268.28) (2,232,608.77) (2,174,699.78) (2,136,162.73) (2,132,810.05)
06/17/2024 06/17/2024 06/18/2024 06/18/2024 06/18/2024 06/19/2024	CR CD CR CR CR CR	RCPT RCPT CHK RCPT RCPT RCPT	STATE USE TAKES 06/17/2024 STATE VIDEO GAMING TAX 06/17/2024 SUMMARY CD 06/17/2024 2024-111 4508HARRIS ROOF 2024-112 GASLINE POOL 2024-112 GASLINE POOL 2024-112 GASLINE POOL 2024-104 4132MILKWEED ROOF OVERWEIGHT TR PRAT 2024-TR-01 2024-94 2822STINSON ROOF UTILITY TAX - NICOR	99730 99733 99771	17,111.06 10,160.81 134.C0 249.00 163.00	23,744.53	(2,115,698.99) (2,105,538.18) (2,129,282.71) (2,129,148.71) (2,128,899.71) (2,128,736.71)
C6/2C/2024 O6/20/2024 O6/24/2024 O6/24/2024	CR	RCPT	2024-115 2070AKSt - DRIVEWAY 2024-113 411WEDSON- BTHRM ADD	99952 99955	134.00 75.00 243.00 4,727.26 209.00 245.00		(2,128,602.71) (2,128,527.71) (2,128,284.71) (2,123,557.45) (2,123,348.45) (2,123,103.45)
06/27/2024 06/28/2024 06/28/2024 06/28/2024 06/28/2024 06/28/2024	CÐ	CHK CHK CHK JF	RECEIPT HYATT LODGING DISPUTE SUMMARY PR 06/28/2024 SUMMARY PR 06/28/2024 SUMMARY PRR 06/28/2024 SUMMARY PRR 06/28/2024 SUMMARY CD 06/28/2024	1519 EFT665 EFT666 EFT667	530.22	7,399.63 4,759.14 922.91 437.70 100.00	(2,122,573.23) (2,129,972.86) (2,134,732.00) (2,135,654.91) (2,136,092.61) (2,136,192.61)
06/28/2024 06/28/2024 06/30/2024 06/30/2024 06/30/2024	CR GJ GJ GJ	RCPT JE JE JE	0C0000249 EXELON - UTILITY TAX INTEREST - COMMINGLED ACCOUNTS INTEREST - COMMINGLED ACCOUNTS 01-00-1020	100011 1521 1522 1522 END BALANCE	1,000.00 9,432.86 1,616.79 213,987.95	12,021.68 176,168.86	(2,135,192.61) (2,125,759.75) (2,124,142.96) (2,136,164.64) (2,136,164.64)
06/01/2024 06/30/2024 06/30/2024	GJ	JE	01-00-1021 CASH IN BANK MONEY MARKET INTEREST - COMMINGLED ACCOUNTS 01-00-1021	1522 End balance	BEG. BALANCE 5,070.82 5,070.82	0.00	1,298,841.91 1,303,912.73 1,303,912.73
06/01/2024 06/17/2024 06/30/2024 06/30/2024 06/30/2024	GJ	JE JE JE	01-00-1022 CASH IN BANK - BYRON BANK POSTAGE PAID BY BYRON BANK INTEREST COMMINGLED ACCT BYRON BANK INTEREST COMMINGLED ACCT BYRON BANK 01-00-1022	1494 1523 1523 END BALANCE	BEG. BALANCE 0.99 513.38 514.37	513.38 513.38	0.00 0.99 514.37 0.99 0.99
06/01/2024 06/30/2024 06/30/2024	GJ	JE	01-00-1030 DCEO GRANT BANK ACCOUNT INTEREST RECEIVED 01-00-1030	1524 END BALANCE	BEG. BALANCE 44.55 44.55	0.00	31,881.44 31,925.99 31,925.99
06/01/2024 06/30/2024 06/30/2024	GJ	JE	01-00-1075 ILLINOIS FUNDS INVESTMENT INTEREST - COMMINGLED ACCOUNTS 01-00-1075	ACCT. 1522 END BALANCE	BEG. BALANCE 15,261.40 15,261.40	0.00	3,418,498.41 3,433,759.81 3,433,759.81
UNCLASSI	ETED: 3	Unclass	stfied		234,879.09	176,683.23	2,633,626.15
TOTAL FOR F	UND 01	GENER/	M. FUND		234,879.09	176,683.23	2,633,626.15

Fund 20 MOTOR FUEL FUND

Unclassified

OPENDED OPENDED DESCRIPTION DESCRIPTION VEX.22.1 COMMON TOLE OR OPENDED DESCRIPTION DES	07/15/2024 User: TREA	SURER			ACTIVITY REPORT	20/2024	Page	: Item 4.
V9/7252 C. C. C. C. M. <thm. <thm. <thm. <thm. <thm.< th=""><th>DB: Poplar Date</th><th></th><th></th><th></th><th></th><th></th><th>Credits</th><th>Balance</th></thm.<></thm. </thm. </thm. </thm. 	DB: Poplar Date						Credits	Balance
9/1/2023 Control Contro Control <thcontrol< th=""> <th< td=""><td></td><td></td><td></td><td></td><td>(</td><td>Continued)</td><td></td><td></td></th<></thcontrol<>					(Continued)		
CALLBOARD 2-2-2-1-1000 PET SHAPPEN PLACE PET SH	06/07/2024 06/17/2024			MOTOR FUEL TAX 06/17/2024		17,645.07	5,392.71	
Control 20-00-100 NPT MEMBY MARKET 100 NPT MEMBY MA	06/30/2024 06/30/2024	GJ	JE:				5,392.71	468,617.69 468,617.69
24/20224 All Difficult Recards Low 168-84 72 (person 0120A34F210b Beckbas/Cited 14,045,047 5,182,07 589,420,09 0120A34F210b Beckbas/Cited 01,016,000 74,044,047 59,182,07 589,420,09 01212224 01100 011100 89,070,000 72,192,010 72,192,010 01212224 011000 011100 89,070,000 72,192,010 72,192,010 0121224 011100 011100 89,070,000 72,192,010 72,192,010 0121224 011100 011100 89,070,000 72,192,010 72,192,010 012224 011100 89,070,000 72,192,010 72,192,010 72,192,010 012224,010 011100 89,070,000 <td>06/01/2024</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>100 004 46</td>	06/01/2024							100 004 46
Deckase/Product Doctase/Field 19,05122 1,127,17 19,05122 1,127,17 19,05122 Construction 19,05122 3,352,11 356,050,97 356,050,97 Construction 19,05122,22 3,352,11 356,050,97 356,050,97 Construction 19,0512,22 3,352,11 356,050,97 356,050,97 356,050,97 Construction 16,0512,22 10,0512,22 3,352,11 356,051,98 366,05,97 356,051,98 366,051,	06/30/2024	GJ	JE.	INTEREST RECEIVED		168.84		121,003.30
UNIX CRITERS & RECENTION 18,65.02 5,382.07 388,620.09 UCI 1 MARCE & RECENTION 01.00-1020 CASE IN BANK HIS. BLANKING 907,571.05 UCI 2200 CASE IN BANK HIS. BLANKING 907,571.05 907,571.05 UCI 2200 CASE IN BANK HIS. BLANKING 907,571.05 907,571.05 UCI 2200 CASE IN BANK HIS. BLANKING 907,571.05 907,572.05 UCI 2200 CASE IN BANK HIS. BLANKING 907,571.05 907,572.05 UCI 2200 CASE IN BANK HIS. BLANKING 907,572.05 907,572.05 UCI 2200 CASE IN BANK HIS. BLANKING 907,572.05 907,572.05 UCI 2200 CASE IN BANKING INFORMATION	06/30/2024			20-00-1040	END BALANCE	168.84	0.00	121,003.30
Constraint Discretion Discretion Discretion Constraint	UNCLASS	FIED:	Unclas	sified	-	19,595.28	5,392.71	589,620.99
Instantial Sec. No. 1 Sec. No. 1 <thsec. 1<="" no.="" th=""> Sec. No. 1 <thsec. no.<="" td=""><td>TOTAL FOR .</td><td>FUND 2</td><td>0 MOTOR</td><td>FUEL FUND</td><td>-</td><td>19,595.28</td><td>5,392.71</td><td>589,620.99</td></thsec.></thsec.>	TOTAL FOR .	FUND 2	0 MOTOR	FUEL FUND	-	19,595.28	5,392.71	589,620.99
Control B3-10-1000 CRAFT IN BURK HED. INTAILS Set 1-13 CONTROL OF The Departs 1.122.05 664.01.00 CONTROL OF The Departs 1.22.05 664.01.00 CONTROL OF The Departs 1.22.05 664.01.00 CONTROL OF The Departs 1.22.05 664.01.00 CONTROL DETERT ENDING 0.01.00 0.00 0.00 CONTROL DETERT ENDING 0.00 0.	Fund 31 WA	FER &	SEWER F	UND				
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CA32.222 CH <		-						
K733224 CR RCF RCF<			ອດຍາ					
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K647.2024 C3 SPC7 ULLLY ELLING 06/07/2024 1,001,302.39 K657.2024 C3 C3 C3 C3 C3 K657.2024 C3 C3 C3 C3 C3 C3 K657.2024 C3								
Vi35/2024 UB Online Payment G25.00 T, 001, 502, 901 Vi35/2024 CR RCPT Utility Hilling 05/05/2024 224.13 1, 005, 522, 81 Vi35/2024 CR RCPT Utility Hilling 05/05/2024 231.66 1, 006, 901.06 Vi35/2024 CR RCPT Utility Hilling 05/05/2024 49.945.10 1, 016, 901.06 Vi05/2024 CR RCPT Utility Hilling 05/05/2024 49.945.10 1, 012, 025.30 Vi05/2024 CR RCPT Utility Hilling 05/05/2024 302.44 1, 012, 025.30 Vi05/2024 CR RCPT Utility Hilling 05/07/2024 30.14.08 1, 012, 025.30 Vi07/2024 CR RCPT Utility Hilling 05/07/2024 30.14.08 99.52.53 Vi07/2024 CR RCPT Utility Hilling 05/07/2024 323.11 99.52.53 Vi07/2024 CR RCPT Utility Hilling 05/07/2024 323.11 99.55.73 Vi07/2024 CR RCPT 0.51.72 99.55.73 99.55.73 Vi07/2024	06/04/2024	CR		Utility Billing 06/04/2024				,
KUD-7022 CR RUT CLLLy Filling 56/00/2002 CL CL <thc< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thc<>								
K405/2024 CR RCFT Utility Billing 65/03/2024 CR Control Payment Control Payment K405/2024 CR RCFT Utility Billing 65/03/2024 4.966.10 022.202.82 K405/2024 CR RCFT Utility Billing 65/03/2024 102.44 022.202.82 K405/2024 CC HK SUMMAY CO.66/07/2024 102.44 022.202.82 K407/2024 CC HK SUMMAY CO.66/07/2024 103.11 027.202.84 K407/2024 CC HK SUMMAY CO.66/07/2024 204.29 984.542.85 K407/2024 CR RCPT Utility Billing 66/07/2024 204.29 984.542.85 K407/2024 CR RCPT Utility Billing 66/07/2024	06/05/2024	CR		Utility Billing 06/05/2024		3,614.52		1,005,542.81
K466/2024 UB Chlane Dayment 998.02 1.007,056.20 K466/2024 CR ACFT Ullily Billing 05/06/2024 302.44 1.012,227.42 K466/2024 CR ACFT Ullily Billing 05/06/2024 302.44 1.012,327.46 K467/2024 CR ACFT Ullily Billing 05/06/2024 33,11 944,748.50 K477/2024 CR CFT Ullily Billing 06/07/2024 243.21 994,543.35 K477/2024 CR CFT Ullily Billing 06/07/2024 243.20 994,543.35 K477/2024 CR CFT Ullily Billing 06/07/2024 243.21 994,563.35 K477/2024 CR CFT Ullily Billing 06/07/2024 253.11 995,302.06 K477/2024 CR CFT Ullily Billing 06/07/2024 243.71 996,462.14 K477/2024 CR CFT Ullily Billing 06/17/2024 243.00 991,113.11 K477/2024 CR CFT Ullily Billing 06/17/2024 34.00.72 991,113.11 K477/2024 CR CFT Ullily Billing 06/17/2024 105.23 997,113.31 K477/2024 CR CFT <								
CV6/2224 CR NOP Utility Billing 06/06/2024 100.79 302.44 1,012,329.36 CV7/2224 CD HK NUMMARY CD 66/7/2024 34,746.99 377,659.26 CV7/2224 CD CHK NUMMARY CD 67.37 34,746.99 377,659.26 CV7/2224 CD CHK NUMMARY CD 93.11 34,746.99 377,659.26 CV7/2234 CD CD CHK NUMMARY CD 93.11 991.91.87 CV7/2234 CD CD CD 110.7024 23.21 991.91.87 CV7/2234 CD CD CD 110.7024 232.11 991.978.87 CV7/2234 CD CD CD 661.21 986.820.14 CV7/2234 CD CD 797.7234 661.21 997.980.17 CV7/2234 CD CD 797.7234 61.72.0 997.981.16 CV7/2234 CD CD 797.7234 61.72.0 997.981.16 CV7/2234 CD	6/06/2024	UΒ		Opline Payment		958.02		1,007,056.82
SV66/2224 UB On line Payment 10.79 1.012,431,15 SV07/2224 CD CHK SVMMARC D.06/107/2224 SVM.252,26 SV07/2224 CD CD SVM.252,27 SVM.252,26 SV07/2224 CD CD SVM.252,26 SVM.252,26 SVM.252,26 SV07/2224 CD CD SVM.252,27 SVM.252,26 SVM.252,27 SVM.252,27,27 SVM.252,27,27 SVM.252,27,27 SVM.252,27,27 SVM.252,27,27 SVM.252,27,27,27 SVM.252,27,27,27 SVM.252,27,27,27 SVM.252,27,27,27 SVM.252,27,								
SAT7 2024 UB Online Payment B33.11 977, 522.36 SAT7 2024 CR REFT Utility Billing 64/07/2024 5, 958.28 988, 319.64 SAT7 2024 CR REFT Utility Billing 64/07/2024 425.04 986, 976.39 SAT7 2024 CR REFT Utility Billing 64/07/2024 435.04 986, 976.39 SAT7 2024 CR CR CR 977.7224 986, 853.09 986, 200.39 SAT7 2024 CR Online Payment 986, 853.10 986, 853.70 986, 853.70 SAT7 2024 CR REFT Utility Billing 06/10/2024 94.00.72 997, 180.71 SAT02424 CR REFT Utility Billing 06/11/2024 94.00.72 997, 180.71 SAT02424 CR REFT Utility Billing 06/11/2024 94.00.72 997, 183.71 SAT02424 CR REFT Utility Billing 06/11/2024 86.73 999, 185.71 SAT02424 CR REFT Utility Billing 06/12/2024 74.14 997, 733.99 SAT02424	6/06/2024	UВ		Online Payment				1,012,438.15
S/07/2024 CR RCPT U.:lity Billing 06/07/2024 29.75.28 996.313.64 S/07/2024 CR RCPT U.Ility Billing 06/07/2024 242.29 998.453.39 S/07/2024 CR RCPT U.Ility Billing 06/07/2024 33.11 998.05 S/07/2024 CR RCPT U.Ility Billing 06/07/2024 33.11 998.05 S/07/2024 CR RCPT U.Ility Billing 06/07/2024 398.05 998.65 S/07/2024 CR CRT Hille Payment 681.21 998.683.42 S/07/2024 CR CRT U.Ility Billing 06/10/2024 683.32 997.116.29 S/10/2024 CR RCPT U.Ility Billing 06/11/2024 63.70 999.783.47 S/11/2024 CR CPT U.Ility Billing 06/11/2024 63.70 999.383.57 S/11/2024 CR CRT U.Ility Billing 06/11/2024 63.70 999.780.47 S/11/2024 CR CRT U.Ility Billing 06/12/2024 70.726.37 999.383.57 S/11/2024 CR			CHK			835-11	34,748.90	
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5/07/2024 UB Online Payment 322.11 993.00.00 5/03/2024 UB Online Payment 681.21 966.682.97 5/03/2024 UB Paynont Rollback 19.17 966.682.97 5/03/2024 UB Online Payment 613.32 997.716.633.97 5/03/2024 UB Online Payment 613.32 997.117.01 5/03/2024 UB Online Payment 613.32 997.180.11 5/03/2024 CR RCFU Cility Billing 06/10/2024 165.23 997.386.34 5/03/2024 UB Online Payment 113.21 997.398.15 5/03/2024 UB Online Payment 113.21 997.398.15 5/03/2024 CR RCFU Cility Billing 06/12/2024 616.75 998.356.97 5/03/2024 CR RCFU Cility Billing 06/12/2024 61.76 999.356.97 5/03/2024 CR RCFU Cility Billing 06/12/2024 61.76 999.356.97 5/03/2024 CR RCFU Cility Billing 06/12/2024 7.177.36 1.001.66.17 5/03/2024 CR RCFU Cility Billing 06/12/2024								
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V10/2024 UB Payeont Rellback 49.17 986,83.97 V10/2024 UB Online Payment \$83.39 997,716.29 V10/2024 CR RCFT Utility Billing 06/10/2024 \$65.70 997,118.19 V10/2024 CR RCFT Utility Billing 06/10/2024 \$65.73 997,288.94 V10/2024 CR Northe Payment 113.21 997,389.55 V10/2024 CR CCT Utility Billing 06/11/2024 \$63.70 998,259.74 V11/2024 CR CCT Utility Billing 06/11/2024 \$63.70 998,259.74 V11/2024 CR CCT Utility Billing 06/11/2024 \$63.70 998,259.74 V11/2024 CR CCT Utility Billing 06/12/2024 \$7.12.23 \$1.001.04.34 V12/2024 CR CCT Utility Billing 06/12/2024 \$7.12.23 \$1.001.01.215.17 V12/2024 CR CCT Utility Billing 06/12/2024 \$7.42 \$7.01.21.21.31 V12/2024 CR CCT Utility Billing 06/12/2024								
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07/15/2024 ll:06 AM User: TREASURFR	Ģ	ACTIVITY REPORT		Page	: Item 4.
DB: Poplar Grove Date JNL Type	TRANSACTIONS Description	FROM 06/01/2024 TO 06/ Reference #	30/2024 Debits	Credits	Balance
06/19/2024 CR RCPT 06/19/2024 CR RCPT 06/19/2024 CR RCPT 06/19/2024 CR RCPT 06/19/2024 UB 06/20/2024 CR 06/20/2024 CR RCPT 06/20/2024 CR 06/20/2024 CR RCPT 06/20/2024 CR RCPT 06/20/2024 CR RCPT 06/21/2024 CR RCPT 06/21/2024 CR RCPT 06/21/2024 UB 06/21/2024 UB 06/21/2024 UB 06/22/2024 UB 06/22/2024 UB 06/22/2024 UB 06/24/2024 CR RCPT 06/22/2024 UB 06/25/2024 UB 06/25/2024 UB 06/25/2024 CR RCPT 06/25/2024 UB 06/26/2024 UB 06/26/2024 CR RCPT 06/26/2024 CR RCPT 06/26/2024 CR RCPT 06/26/2024 CR	31-00-1020 CASH IN BANK Utility Billing 06/19/2024 Utility Billing 06/19/2024 Utility Billing 06/19/2024 Online Payment Obline Payment Obline Payment Utility Billing 06/20/2024 Utility Billing 06/20/2024 Utility Billing 06/21/2024 Utility Billing 06/22/2024 Utility Billing 06/24/2024 Utility Billing 06/25/2024 Utility Billing 06/25/2024 Utility Billing 06/25/2024 Utility Billing 06/26/2024 Utility Billing 06/26/2024 Utility Billing 06/26/2024 Utility Billing 06/27/2024 Utility Billing 06/28/2024 Online Payment SUMMARY CD 06/28/2024		Continued) 4,570.33 318.51 425.72 210.44 10,659.33 61.61 1,664.08 1,427.26 1,254.37 1,288.31 2,991.46 695.03 910.31 127.54 434.75 168.93 409.91 1,749.67 460.79 216.28 222.45 2,617.79 208.94 330.22 404.85 506.29 1,102.73 889.11 161.50 655.97 170.61 734.15 1,831.18 1,037.11 1,399.76 299.08 771.10 1,066.07 3,980.04 157,604.34	8,000.46 700.00	1,029,900.47 1,030,218.98 1,030,644.70 1,031,855.14 1,041,576.08 1,053,240.16 1,053,240.16 1,055,921.79 1,057,210.10 1,060,201.56 1,062,368.59 1,062,369.19 1,062,538.12 1,065,597.22 1,065,597.22 1,065,597.22 1,065,597.22 1,065,597.22 1,065,597.22 1,065,597.22 1,065,597.22 1,0663,215.01 1,070,768.04 1,071,657.15 1,071,818.65 1,072,474.62 1,072,474.62 1,072,474.62 1,072,474.62 1,072,645.23 1,065,378.92 1,064,678.92 1,064,678.92 1,064,678.92 1,064,678.92 1,068,946.97 1,072,017.15 1,071,113.22 1,075,093.26 1,075,093.26 1,075,093.26
06/04/2024 CR RCPT 06/05/2024 CR RCPT 06/06/2024 CR RCPT 06/07/2024 CR RCPT 06/10/2024 CR RCPT 06/11/2024 CR RCPT 06/12/2024 CR RCPT 06/12/2024 CR RCPT 06/17/2024 CR RCPT 06/18/2024 CR RCPT 06/19/2024 CR RCPT 06/21/2024 CR RCPT	31-00-1022 CASH IN BANK - BYRO Utility Billing 06/03/2024 Utility Billing 06/04/2024 Utility Billing 06/05/2024 Utility Billing 06/05/2024 Utility Billing 06/07/2024 Utility Billing 06/10/2024 Utility Billing 06/12/2024 Utility Billing 06/12/2024 Utility Billing 06/12/2024 Utility Billing 06/12/2024 Utility Billing 06/12/2024 Utility Billing 06/18/2024 Utility Billing 06/18/2024 Utility Billing 06/18/2024 Utility Billing 06/21/2024 Utility Billing 06/24/2024 INTEREST COMMINGLED ACCT BYRON BANA 31-00-1022		BEG. BALANCE 248.89 324.11 121.92 252.08 209.57 137.99 77.54 124.63 55.42 371.73 260.31 404.48 504.52 99.76 513.38 3,706.33	С.ОС	128,786.47 129,035.36 129,359.47 129,481.39 129,733.47 129,943.04 130,081.03 130,158.57 130,283.20 130,338.62 130,71C.35 130,970.66 131,375.14 131,879.66 131,979.42 132,492.80
UNCLASSIFIED: Unclass	alfied	-	161,310.67	70,085.57	1,207,586.06
TOTAL FOR FUND 3: WATER	\$ SEWER FUND	-	161,310.67	70,085.57	1,207,586.06
Fund 32 DEBT SPRVICE FU	(1)				
Unclassified 06/01/2024 06/30/2024 GJ JE 06/30/2024	32-00-1020 CASH IN BANK INTEREST - COMMINGLED ACCOUNTS 32-00-1020	1522 FND BALANCE	BEG. BALANCE 0.00	14.04 14.04	(3,630.33) (3,644.37) (3,644.37)
06/01/2024 06/30/2024 GJ JE 06/30/2024	32-00-1030 MONEY MARKET INTEREST RECEIVED 32-00-1030	1524 End Balance	BEG. BALANCE 39.50 39.50	0.00	28,266.24 28,305.74 28,305.74
UNCLASSIFIED: Unclass	ified		39.50	14.04	24,661.37
TOTAL FOR FUND 32 DEBF S	SERVICE FUND	—	39.50	14.04	24,661.37
Eund 90 GOV FUNDS CAPITA	V. PROJECTS FUND				

Unclassified

07/15/2024 User: TREAS DB: Poplar	SURER	AM		ACTIVITY REPORT OM 06/01/2024 TO 06/30	/2024	Page	: Item 4.
Date	JNL	Түре	Description	Reference #	Debits	Credits	Balance
			90-00-1020 CASH IN BANK	(Co	ntinued)		
06/07/2024	CD	CHK	SUMMARY CD 06/07/2024			3,803.14	1,838,729,94
06/07/2024	CD	CHK	SUMMARY CD 06/07/2024			306,789.64	1,531,940.30
06/14/2024	CD	CHK	SUMMARY CD 06/14/2024			129,068.00	1,402,872.30
06/30/2024	GJ	JE	INTEREST - COMMINGLED ACCOUNTS	1522	6,274.31		1,409,146.61
06/30/2024			90-00-1020	END BALANCE	6,274.31	439,660.78	1,409,146.61
UNCLASSI	EIED:	Unclas.	slfled		6,274.31	439,660.78	1,409,146.61
TOTAL FOR F	UND 90	GOV F	UNDS CAPITAL PROJECTS FUND		6,274.31	439,660.78	1,409,146.61

Other	Payroll	EFTS (ACH)	AP Checks	Monthly Approvals	Total	Events	Specific Breakout:	Total	Other	Payroll	EFTS	AP Checks	FOR APPROVAL	
\$17,487.41	\$51,282.98	\$24,544.53	\$589,168.25	June 2024 Final Checks	\$365.63 FINAL NUMBERS	\$365.63	Actual for the month paid	\$245,462.25	\$17,487.41	\$24,349.91	\$0.00	\$203,624.93	Actual to Date	July 2024 Checks
\$17,487.41	\$47,802.72	\$24,544.53	\$589,168.25		\$0.00	\$0.00	Estimate Additional Total by Type	\$49,544.53	\$0.00	\$25,000.00	\$24,544.53	\$0.00	Estimate Additional Total by Type	Voted on at July Meeting
\$0.00	\$3,480.26	\$0.00	\$0.00	To be finalized at July 24 meeting	\$365.63	\$365.63	D	\$295,006.78	\$17,487.41	\$49,349.91	\$24,544.53	\$203,624.93	Ø	
Medical Insurance Premiums	Estimated Payroll					Neighbor's Night Advertising			Medical Insurance Premiums	7/26/2024 Payroll	Solutions Bank Payment and Postage			TO BE ATTACHED IN PACKET AS SUMMARY REPORT

Total	Other	Payroll	EFTS (ACH)	AP Checks		Total
\$682,483.17	\$17,487,41	\$51,282.98	\$24,544.53	sted Actual \$589,168.25	Final Check	S365.63
\$679,002.91	\$17,487.41	\$47,802.72	\$24,544.53	Difference \$589,168.25		\$0.00
\$3,480.26	\$0.00	\$3,480.26	\$0.00	\$0.00	To be finalized at July 24 meeting	\$365.63
	Medical Insurance Premiums	Estimated Payroll				

Specific Breakout:

Requested

Actual

Difference

07/11/2024 CHECK REGISTER CHECK DATE FROM 07/01/2024 - 07/31/2024

Check Date	Bank	Check	App Vendor	Vendor Name	Description	Amount
Bank OPER CO	MMINGLED	OPERATING ACCOUN				
07/10/2024	OPER	28853	AP 0632	A1 CLEANING SERVICES	VH CLEANING 07.06.24	885.00
07/10/2024	OPER	28854	AP 0371	ABBY PEST ELIMINATION LLC	PEST CONTROL@VH, PW SHOP, NWWTP, NEW PW S	722.00
07/10/2024	OPER	28855	AP 0006	ADT COMMERCIAL LLC	FIRE & SECURITY SERVICE 7.26-08.25.24	216.81
07/10/2024			AP 0604	ADVANCE AUTO PARTS	DETAILER / INTERIOR CLEANER - NEW CAR SM	22.57
	OPER	28856			VH OFFICE SUPPLIES & ITEMS FOR TEST NORT	984.99
07/10/2024	OPER	28857	AP 0338	AMAZON.COM		14,657.22
07/10/2024	OPER	28858	AP 0356	B&F CONSTRUCTION CODE SERVICE, INC.	PLN RVW 2024-109 - 138 BULLARD - SOLAR	
07/10/2024	OPER	28859	AP 0361	BLAIN'S FARM & FLEET	RETAINING RINGS - MOTOR OIL - BLK SPRAY	324.53
07/10/2024	OPER	28860	AP 0041	BOONE COUNTY SHOPPER	NEIGHBORS FEST AD 06.06.24	365.63
07/10/2024	OPER	28861	AP 0078	CARD SERVICE CENTER	SWIFTER DUSTER-DISH SOAP-PAPER TOWELS-TO	216.78
07/10/2024	OPER	28862	AP 0098	CINTAS CORPORATION	SOAP, SANI-CLIPS, FLOORMAT, UNIFORM/JEAN CL	348.46
07/10/2024	OPER	28863	AP 0639	COMCAST	INTERNET & SECURITY EDGE @ 111 E PARK ST	222.90
07/10/2024	OPER	28864	AP 0278	COMED	3174406000 - 4194 DAWSON LAKE RD L/S	27,463.58
07/10/2024	OPER	28865	AP 0278	COMED	5318627000 - 12305 RT 76 L/S	31.17
07/10/2024	OPER	28866	AP 0073	CONSERV FS INC	(2.5) GAL ROUNDUP QUIKPRO PARKS & STREET	1,757.26
07/10/2024	OPER	28867	AP 0347	CORE & MAIN LP	FLEXNET M2 SFTWR SUPPORT 3.12.24-3.12.25	2,440.00
07/10/2024	OPER	28868	AP 0097	FOX VALLEY INTERNET, INC.	NWWTP & SWWTP INTERNET	54.90
						1,147.16
07/10/2024	OPER	28869	AP 0096	FRONTIER	VILLAGE PHONE LINES X13	
07/10/2024	OPER	28870	AP 0641	GILLEY'S HEATING & AIR CONDITIONING	100 S STATE ST NEW FURNANCE & AC	8,910.00
07/10/2024	OPER	28871	AP 0424	GO TO COMMUNICATIONS INC	VH PHONE, INTERNET, EMAIL	181.36
07/10/2024	OPER	28872	AP 0106	GRAINGER	CAM & GROOVE GASKET @ NWWTP	9.88
07/10/2024	OPER	28873	AP 0109	HAWKINS, INC.	ALUMINUM SULFATE LIQUID	4,723.80
07/10/2024	OPER	28874	AP 0364	HOME DEPOT CREDIT SERVICES	CONCRETE FORM STAKES	316.74
07/10/2024	OPER	28875	AP 0636	HYDRAULIC SUPPLY COMPANY	HYDRAULIC REPAIR - KUBOTA	82.34
07/10/2024	OPER	28876	AP 0126	ILLINOIS ENVIROMENTAL PROTECTION AG	NPDS PERMIT EPA SWWTP 7.1.24-6.30.25	15,000.00
07/10/2024	OPER	28877	AP 0126	ILLINOIS ENVIROMENTAL PROTECTION AG	NPDS PERMIT EPA NWWTP 7.1-24-6.30.25	7,500.00
			AP 0125 AP 0351	JOHNSON TRACTOR	M5-111 KUBOTA TRACTOR WINDOW	457.55
07/10/2024	OPER	28878		LAWSON PRODUCTS, INC.		25.20
07/10/2024	OPER	28879	AP 0335	· · · · ·	(10) TUFF TORQ HEX NUTS	
07/10/2024	OPER	28880	AP 0159	MCMAHON ASSOCIATES, INC.	MFT VLG POPLAR GROVE 4.28-06.01.24	9,943.66
07/10/2024	OPER	28881	AP 0163	MEDIACOM	VH INTERNET	269.89
07/10/2024	OPER	28882	AP 0165	MENARDS	1 X 6 FOR BURLED WOOD CURB REPAIRS	382.45
07/10/2024	OPER	28883	AP 0329	MR. GOODWATER	COOLER RENTAL @ VH	101.70
07/10/2024	OPER	28884	AP 0196	N-TRAK GROUP, LLC	(4) SANITARY SERVICE REPAIRS BULLARD ST	19,568.46
07/10/2024	OPER	28885	AP 0053	NAPA AUTO PARTS	OIL & OIL FILTER FOR PW DIR TRK	35.25
07/10/2024	OPER	28886	AP 0186	NICOR GAS	4194 DAWSON LK RD L/S	959.70
07/10/2024	OPER	28887	AP 0192	NORTHERN ILLINOIS SERVICE CO	CA-6 BEDROCK FOR BEAVER ROAD	2,028.76
07/10/2024	OPER	28888	AP 0211	PITNEY BOWES INC.	POSTAGE METER RENTAL & ANNUAL SERVICE AG	448.35
				POINT READY MIX	CEMENT-WEST GROVE SIDEWALK REPAIRS	2,884.50
07/10/2024	OPER	28889	AP 0627			
07/10/2024	OPER	28890	AP MISC	RALPH FESSENDEN	BLDG PERMIT REFUND 2024-55 107 ORCHARD	95.00
07/10/2024	OPER	28891	AP 0435	ROCK ROAD COMPANIES	VPG PORTION FOR BEAVER RD 6.8-6.21.24	41,174.02
07/10/2024	OPER	28892	AP 0220	ROCKFORD BUSINESS SYSTEMS, INC	COPY MACHINE MAINT B/W & COLOR COPIES JU	94.83
07/10/2024	OPER	28893	AP 0408	SABEL MECHANICAL LLC.	SBR PUMP REPAIR @ NWWTP	6,532.84
07/10/2024	OPER	28894	AP 0319	SOSNOWSKI SZEŤO, LLP	LEGAL - VPG VS US BANK 103 EAST ST	4,818.00
07/10/2024	OPER	28895	AP 0248	STEINER ELECTRIC COMPANY	(2) STARTERS & (2) THERMAL UNITS @ COLLE	1,967.82
07/10/2024	OPER	28896	AP 0355	TEST INC.	IL0070300-SOUTH W#5&6 (EPA TESTING	19,169.51
07/10/2024	OPER	28897	AP 0259	TWIN TOWERS INC.	PW TRUCK MANGNETS	128.00
	OPER		AP 0261	U.S. CELLULAR	WWTP, CLRK, VLG PRES, TABLET & HOTSPOT	239.42
07/10/2024		28898				2,125.00
07/10/2024	OPER	28899	AP 0265	VORTEX TECHNOLOGIES INC	(5) ONSITE CALIBRATIONS	
07/10/2024	OPER	28901	AP 0597	VERIZON	PW,VPG ADMIN,HOTSPOT,(2) TABLETS	192.61
07/10/2024	OPER	28902	AP 0429	WEX BANK - MARATHON FLEET CARD	PUBLIC WORKS FUEL 5.16-6.15.24	1,397.33
					SUBTOTAL:	203,624.93
Juty	OPER	Estimated		BB COMMUNITY LEASING SERVICES INC.	LEASE SWEEPER PRINCIPAL & INTEREST PYMT	2,252.11
uly	OPER	Estimated		SOLUTIONS BANK	INTEREST & PRINCIPAL - PW NOTE 40007	21,492.42
luty	OPER	Estimated		PITNEY BOWES INC.	POSTAGE - ADMIN-WATER-SEWER	800.00
,					SUBTOTAL:	24,544.53
07/03/2024	OPER	EFT668(E)	PR BCBS OF IL	BLUE CROSS BLUE SHIELD OF ILLINOIS		15,975.26
07/03/2024	OPER	EFT669(E)	PR DENTAL/VI	SF HUMANA INSURANCE COMPANY		1,028.99
7/05/2024	OPER	28850	PR NCPERS	NCPERS GROUP LIFE INS		144.00
					SUBTOTAL:	17,148.25
07/12/2024	OPER	28851	PR 021	DANNER, CHRISTOPHER		330.49
07/12/2024	OPER	28852	PR 048	LAMPE, RENEE		996.17
07/12/2024	OPER	DD2126(A)	PR 028	BOYD, CARINA		2,395.67
)7/12/2024	OPER	DD2120(A)	PR 026	HOWE, DAVID		2,457.78
						1,185.44
7/12/2024	OPER	DD2128(A)	PR 011	JASTER, KATELYN		
7/12/2024	OPER	DD2129(A)	PR 041	KNIGHTEN, ZACHERY		1,325.75
7/12/2024	OPER	DD2130(A)	PR 029	MARTENSON, KYLE		1,565.83
)7/12/2024	OPER	DD2131(A)	PR 019	MILLER, KARRI		514.80
7/12/2024	OPER	DD2132(A)	PR 036	RESCH, BARBARA		1,247.12
07/12/2024	OPER	DD2133(A)	PR 049	RUCKER, STEPHEN		1,308.41
07/12/2024	OPER	DD2134(A)	PR 047	SALLEY, DANIEL		1,228.78
		\\ /				

07/11/2024 CHECK REGISTER CHECK DATE FROM 07/01/2024 - 07/31/2024

Check Date	Bank	Check	App Vendor	Vendor Name	Description	Amount
Bank ODER COM		OPERATING ACCOUNT				
07/12/2024	OPER	DD2135(A)	PR 037	SATTLER, DONALD		713.12
07/12/2024	OPER	EFT671(E)	PR IRS	INTERNAL REVENUE SERVICE		4,666.54
07/12/2024	OPER	EFT672(E)	PR STATE OF IL	STATE OF ILLINOIS		893.04
					SUBTOTAL:	20,828.94
07/26/2024		Estimated		Payroll		25,000.00
S					SUBTOTAL:	25,000.00
07/03/2024	OPER	EFT670(E)	PR IMRF	IMRF		3,520.97
					SUBTOTAL:	3,520.97
					TOTAL:	294,667.62

	CHE	CK DATE FROM 06/01	/2024 - 06/30/2024				
heck Date	Bank	Check	App Vendor	Vendor Name	Description	Amount	Approved
		OPERATING ACCOU	NT				
ank OPER CO/ 6/07/2024	OPER	28795	AP 0632	A1 CLEANING SERVICES	VILCE FAMILIE DE CE DE CA	205.00	
5/07/2024	OPER	28796	AP 0632 AP 0371	AT CLEANING SERVICES ABBY PEST ELIMINATION LLC	VH CLEANING 06.02.24 VH SPRING EXTERIOR TREATMENT	885.00	
5/07/2024	OPER	28797	AP 0006	ADD COMMERCIAL LLC	FIRE & SECURITY SERVICE 06.26-07.25.24	205.00	
/07/2024	OPER	28798	AP 0000	AMAZON.COM	5 GAL WATER JUG RACK RETURNED	394.48	
/07/2024	OPER	28799	AP 0338 AP 0293	AQUATEC, INC.	(4) DECANTER AIR BAGS BELLOW ACTUATOR SW	1,134.83 920.00	
/07/2024	OPER	28800	AP 0255 AP 0356	B&F CONSTRUCTION CODE SERVICE, INC.	PLN RVW 2024-68 2910 HOWARD ST - SOLAR		
/07/2024	OPER	28801	AP 0350	BLAIN'S FARM & FLEET	AA BATTERIES & OIL DRI	2,479.18	
/07/2024	OPER	28802	AP 0381 AP 0294	BOONE COUNTY JOURNAL		578.46	
/07/2024	OPER	28803	AP 0294 AP 0040	BOONE COUNTY MOTOR FUEL TAX FUND	AD FOR STREET BID VPG (15) BUCKETS HWY SALT 2023 - 2024	346.00	
07/2024	OPER		AP 0040 AP 0041	BOONE COUNTY MOTOR FOEL TAX FOND BOONE COUNTY SHOPPER		3,613.05	
		28804			2024 SUMMER GUIDE AD	415.00	
07/2024	OPER	28805	AP 0078	CARD SERVICE CENTER	BOUNCE HOUSE FOR NEIGHBORS NIGHT	1,429.15	
07/2024	OPER	28806	AP 0098	CINTAS CORPORATION	SOAP, SANI-CLIPS, FLOORMAT, UNIFORM/JEAN CL	149.34	
07/2024	OPER	28807	AP 0639	COMCAST	INTERNET & SECURITY EDGE @ 111 E PARK ST	222.90	
07/2024	OPER	28808	AP 0278	COMED	5318627000 - 12305 RT 76 L/S	27,575.00	
07/2024	OPER	28809	AP 0278	COMED	COMMUNITY & DUSK TO DAWN STREET LIGHTS	4,132.91	
07/2024	OPER	28810	AP 0073	CONSERV FS INC	(7.5) GAL ROUNDUP QUIKPRO - PARK & STREE	799.88	
07/2024	OPER	28811	AP 0097	FOX VALLEY INTERNET, INC.	NWWTP & SWWTP INTERNET	54.90	
07/2024	OPER	28812	AP 0096	FRONTIER	VILLAGE PHONE LINES X13	1,149.54	
07/2024	OPER	28813	AP 0563	GLOBAL INDUSTRIAL	(2) FLAMMABLE CABINETS @ PW BLDG REQ BY	2,138.30	
07/2024	OPER	28814	AP 0424	GO TO COMMUNICATIONS INC	VH PHONE, INTERNET, EMAIL 06.01-6.30.24	313.98	
07/2024	OPER	28815	AP 0109	HAWKINS, INC.	AZONE-HYDROFLUOSILICIC ACID-LPC-AM	5,508.12	
07/2024	OPER	28816	AP 0364	HOME DEPOT CREDIT SERVICES	LOCK FOR PJ TRAILER	36.20	
07/2024	OPER	28817	AP 0123	ILLINOIS RURAL WATER ASSOCIATION	IRWA MEMBERSHIP WATER & SEWER 07.01.24-0	428.90	
07/2024	OPER	28818	AP 0351	JOHNSON TRACTOR	WOODS TURF DECK IDLER-BEARINGS-BELTS-GEA	1,057.66	
07/2024	OPER	28819	AP 0335	LAWSON PRODUCTS, INC.	(100) STEEL FLANGE NUTS	24.77	
07/2024	OPER	28820	AP 0159	MCMAHON ASSOCIATES, INC.	MFT VLG POPLAR GROVE 03/31-04/27/24	10,497.16	
07/2024	OPER	28821	AP 0163	MEDIACOM	VHINTERNET	269.89	
07/2024	OPER	28822	AP 0165	MENARDS	BLUE TWLS-GARBAGE BAGS-BRAKE CLEANER-EYE	604.24	
07/2024	OPER	28823	AP 0174	MORTON SALT, INC.	(95900) LB HWY SALT 05.31.24	41,353.81	
07/2024	OPER	28824	AP 0329	MR. GOODWATER	COOLER RENTAL @ PW BLDG	41,353.81 85.86	
07/2024	OPER	28825	AP 0053	NAPA AUTO PARTS	F250 TRK CREDIT FOR CORE DEPOSIT	239.96	
07/2024	OPER	28826	AP 0178	NATIONAL FLAG STORE	(4) 5 X 8 FLAGS FOR VH & VLG PARKS	540.00	
07/2024	OPER	28827	AP 0186	NICOR GAS	287 PRAIRIE KNOLL L/S	1,376.26	
07/2024	OPER	28828	AP 0192	NORTHERN ILLINOIS SERVICE CO	(9.48) CFT ARBORETUM WALKING PATH RESTOR	75.84	
07/2024	OPER	28829	AP 0489	P.C. TECH 2 U	ONSITE-DROPPED OFF & CHECKED (2) DESKTOP	919.99	
07/2024	OPER	28830	AP 0211	PITNEY BOWES INC.			
	OPER	28831			(2) POSTAGE MACHINE RED INK	265.58	
07/2024		28832	AP 0426	PYROTECNICO FIREWORKS INC	NEIGHBORS FEST FIREWORKS 6.8.24	7,500.00	
07/2024	OPER		AP 0225	R.J. DANIELS FUEL & TIRE	END/LOADER TIRE REPAIR	213.04	
07/2024	OPER	28833	AP 0435	ROCK ROAD COMPANIES	VPG PORTION FOR BEAVER RD 5.15-5.25.24	2,070.57	
07/2024	OPER	28834	AP 0220	ROCKFORD BUSINESS SYSTEMS, INC	COPY MACHINE MAINT B/W & COLOR COPIES	127.69	
07/2024	OPER	28835	AP 0231	ROCKFORD REGISTER STAR	P/Z MEETING & PG AIRPORT 04.24.24	324.14	
07/2024	OPER	28836	AP 0319	SOSNOWSKI SZETO, LLP	LEGAL - VPG VS US BANK 103 EAST ST	10,255.99	
07/2024	OPER	28837	AP 0355	TEST INC.	IL0070300-SOUTH W#5&6 IEPA TESTING	760.00	
07/2024	OPER	28838	AP 0256	TILFORD'S AUTO & TRUCK SERVICE	M5-111 KUBOTA AC REPAIR	318.66	
07/2024	OPER	28839	AP 0259	TWIN TOWERS INC.	(6) GREEN T'S PW DEPT	46.50	
07/2024	OPER	28840	AP 0261	U.S. CELLULAR	WWTP,CLRK,VLG PRES,TABLET & HOTSPOT	249.42	
07/2024	OPER	28841	AP 0597	VERIZON	PW, VPG ADMIN, HOTSPOT, (2) TABLETS	192.61	
07/2024	OPER	28842	AP 0429	WEX BANK - MARATHON FLEET CARD	PUBLIC WORKS FUEL 04-16-24 - 05.15.24	733.34	
07/2024	OPER	28843	AP 0625	LARSON & LARSON BUILDERS INC	NEW PW BLDG - P0031-7-22-00241-H	306,789.64	
14/2024	OPER	28845	AP 0610	LINDCO EQUIPMENT SALES	24 FORD PLW TRK BUILD OUT 1FDYF7DX6RDF01	122,013.00	
14/2024	OPER	28846	AP 0635	STUDIO GWA	FEB 2024 STRATEGIC PLANNING	7,055.00	
4/2024	OPER	28847	AP 0355	TEST INC.	WATER & SEWER CONTRACT 2024	18,297.51	
					SUBTOTAL:	589,168.25	589,168.
17/2024	OPER	165(E)	AP 0491	BB COMMUNITY LEASING SERVICES INC.	LEASE SWEEPER PRINCIPAL & INTEREST PYMT	2,252.11	
17/2024	OPER	166(E)	AP 0217	SOLUTIONS BANK	INTEREST & PRINCIPAL - PW NOTE 40007	21,492.42	
28/2024	OPER	164(E)	AP 0211	PITNEY BOWES INC.	POSTAGE - ADMIN-WATER-SEWER	800.00	
					SUBTOTAL:	24,544.53	24,544.
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3/2024	OPER	28794	PR NCPERS	NCPERS GROUP LIFE INS		144.00	
5/2024 5/2024	OPER	EFT661(E)		BLUE CROSS BLUE SHIELD OF ILLINOIS		16,345.90	
5/2024	OPER	EF1662(E)		HUMANA INSURANCE COMPANY		16,345.90 997.51	
0/2024	OFLA	CP/002(C)	PR DENTAL/VISI	HUMANA INSURANCE COMPANY	SUBTOTAL:		17 407
					SUBIOTAL.	17,487.41	17,487.4
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14/2024 14/2024	OPER	28844	PR 021	DANNER, CHRISTOPHER		575.21	
	OPER	DD2105(A)		BOYD, CARINA		2,394.54	
4/2024	OPER	DD2106(A)		HOWE, DAVID		2,454.12	
4/2024	OPER	DD2107(A)		JASTER, KATELYN		1,181.66	
4/2024	OPER	DD2108(A)		KNIGHTEN, ZACHERY		1,324.42	
4/2024	OPER	DD2109(A)		LAMPE, RENEE		992.50	
	OPER	DD2110(A)		MARTENSON, KYLE		1,622.06	
4/2024	OPER	DD2111(A)		MILLER, KARRI		514.80	
4/2024 4/2024	0050	DD2112(A)		RESCH, BARBARA		1,245.80	
4/2024 4/2024	OPER	DD2113(A)	PR 049	RUCKER, STEPHEN		1,308.41	
14/2024 .4/2024 .4/2024	OPER	0000000				1,174.59	
4/2024 4/2024 4/2024 4/2024		DD2114(A)	PR 047	SALLEY, DANIEL			
4/2024 4/2024 4/2024 4/2024 4/2024	OPER			SATLER, DONALD		713.11	
4/2024 4/2024 4/2024 4/2024 4/2024 4/2024	OPER OPER	DD2114(A) DD2115(A)	PR 037	SATTLER, DONALD		713.11 4,693.34	
4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024	OPER OPER OPER OPER	DD2114(A) DD2115(A) EFT663(E)	PR 037 PR IRS	SATTLER, DONALD INTERNAL REVENUE SERVICE		4,693.34	
4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024	OPER OPER OPER	DD2114(A) DD2115(A)	PR 037 PR IRS	SATTLER, DONALD	SUBTOTAL:		21,100.0
4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024	OPER OPER OPER OPER	DD2114(A) DD2115(A) EFT663(E)	PR 037 PR IRS	SATTLER, DONALD INTERNAL REVENUE SERVICE	SUBTOTAL:	4,693.34 905.50	21,100.0
4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024 4/2024	OPER OPER OPER OPER	DD2114(A) DD2115(A) EFT663(E)	PR 037 PR IRS PR STATE OF IL	SATTLER, DONALD INTERNAL REVENUE SERVICE	SUBTOTAL:	4,693.34 905.50	21,100.(
14/2024 14/2024 14/2024 14/2024 14/2024 14/2024 14/2024 14/2024 14/2024 14/2024	OPER OPER OPER OPER OPER	DD2114(A) DD2115(A) EFT663(E) EFT664(E)	PR 037 PR IRS PR STATE OF IL PR 021	SATTLER, DONALD INTERNAL REVENUE SERVICE STATE OF ILLINOIS	SUBTOTAL:	4,693.34 905.50 21,100.06	21,100.0

07/11/2024

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	CHEC	K DATE FROM 06/01/20	024 - 06/30/2024				
Check Date	Bank	Check	App Vendor	Vendor Name	Description	Aniount	Approved
8ank OPER COM	MINGLED	OPERATING ACCOUNT					
06/28/2024	OPER	DD2117(A)	PR 026	HOWE, DAVID		2,370.96	
06/28/2024	OPER	DD2118(A)	PR 011	JASTER, KATELYN		1,181.68	
06/28/2024	OPER	DD2119(A)	PR 041	KNIGHTEN, ZACHERY		1,384.03	
06/28/2024	OPER	DD2120(A)	PR 048	LAMPE, RENEE		992.50	
06/28/2024	OPER	DD2121(A)	PR 029	MARTENSON, KYLE		1,468.09	
06/28/2024	OPER	DD2122(A)	PR 019	MILLER, KARRI		514.79	
06/28/2024	OPER	DD2123(A)	PR 049	RUCKER, STEPHEN		1,368.00	
06/28/2024	OPER	DD2124(A)	PR 047	SALLEY, DANIEL		1,078.03	
06/28/2024	OPER	DD2125(A)	PR 037	SATTLER, DONALD		713.13	
06/28/2024	OPER	EFT665(E)	PR IRS	INTERNAL REVENUE SERVICE		4,759.14	
06/28/2024	OPER	EFT666(E)	PR STATE OF IL	STATE OF ILLINOIS		922.91	
06/28/2024	OPER	EFT667(E)	PR UNION DUES	5 I.U.O.E. LOCAL 150		437.70	
					SUBTOTAL:	21,519.84	25,000.00 Estimated
06/03/2024	OPER	EF1660(E)	PR IMRE	IMRF		5,182.92	
					SUBTOTAL:	5,182.92	5,182.92

07/11/2024

CHECK REGISTER

07/10/2024	07/10/2024	07/10/2024	07/10/2024	07/10/2024	07/10/2024	07/10/2024 07/10/2024	07/10/2024	67/10/2024	Bank OPER	Date	tem oplar Grov
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8600	0078	0041	0361	0 35 6	0338	0006 0604	0371	0 63 2	NG ACCOUNT	Vendor	
CINTAS CORPORATION	CARD SERVICE CENTER	BOONE COUNTY SHOPPER	BLAIN'S FARM & FLEET	B&F CONSTRUCTION CODE	AMAZON.COM	ADT COMMERCIAL LLC ADVANCE AUTO PARTS	ABBY PEST ELIMINATION	A1 CLEANING SERVICES		Vendor Name	CHECK REGISTER FOR CHECK DATE FROM 0
CINTAS CORPORATION CINTAS CORPORATION CINTAS CORPORATION CINTAS CORPORATION CINTAS CORPORATION	MICROSOFT CORPORATION ILLINOIS I-PASS SAM'S CLUB	BOONE COUNTY SHOPPER	BLAIN'S FARM & FLEET BLAIN'S FARM & FLEET BLAIN'S FARM & FLEET BLAIN'S FARM & FLEET BLAIN'S FARM & FLEET	S B&F CONSTRUCTION CODE B&F CONSTRUCTION CODE B&F CONSTRUCTION CODE B&F CONSTRUCTION CODE B&F CONSTRUCTION CODE B&F CONSTRUCTION CODE B&F CONSTRUCTION CODE (AMAZON.COM AMAZON.COM AMAZON.COM AMAZON.COM	ADT COMMERCIAL LLC ADVANCE AUTO PARTS	L ABBY PEST ELIMINATION ABBY PEST ELIMINATION ABBY PEST ELIMINATION ABBY PEST ELIMINATION ABBY PEST ELIMINATION	A1 CLEANING SERVICES A1 CLEANING SERVICES A1 CLEANING SERVICES A1 CLEANING SERVICES A1 CLEANING SERVICES		Invoice Vendor	ER FOR VILLAGE OF POPLAR GROV FROM 07/01/2024 - 07/31/2024
SOAP, SANI-CLIPS, FLOORMAT, U SOAP, SANI-CLIPS, FLOORMAT, U SOAP, SANI-CLIPS, FLOORMAT, U SOAP, SANI-CLIPS, FLOORMAT, U SOAP, SANI-CLIPS, FLOORMAT, U	ONLINE SERVICES MS OFFICE I-PASS REPLENISHMENT SWIFTER DUSTER-DISH SOAP-P	NEIGHBORS FEST AD 06.06.24	PAINT & BRUSHES FOR LION' BATTERIES & BLUE SHOP TOWE VEHICLE BRAKE LINE PARTS CLEANER - GOJO WIPES RETAINING RINGS - MOTOR OI	S BLDG/MISC.PLAN RVW, CODE I S PLN RVW 2024-77 119 BOEING S PLANNING & ZONING - (9.5) S BLDG/MISC.PLAN RVW, CODE I S (1.5) K.GARREIT PLANNING & S PLN RVE 2021-114 200 W EDS S PLN RVW 2024-109 - 138 BUL	HOT BOX BECKETTS - REPAIR CEMENT TOOLS FOR CURB WORK BANKERS BOXES VH OFFICE SUPPLIES & ITEMS	FIRE & SECURITY SERVICE 7. DETAILER / INTERIOR CLEANE	L PEST CONTROL @ VH L PEST CONTROL @ NWWTP L PEST CONTROL@VH, PW SHOP, L PEST CONTROL @ NEW PW SHOP, L PEST CONTROL@VH, PW SHOP,	VH CLEANING 06.09.24 VH CLEANING 06.16.24 VH CLEANING 06.23.24 VH CLEANING 06.30.24 VH CLEANING 07.06.24		Description	GROVE 2024
49.78 49.78 49.78 49.78 49.78	80.00 20.00 116.78 216.78	365.63	104.52 35.15 8.79 92.79 92.79 83.28 324.53	5,446.29 1,084.68 950.00 6,496.25 150.00 265.00 265.00 14,657.22	479.27 85.83 55.44 364.45 984.99	216.81 22.57	47.00 162.00 67.00 85.00 361.00 722.00	170.00 170.00 170.00 205.00 170.00 885.00		Amount	Page: 1/4

339.88	CAUTION TAPE - TRASH BAGS	MENARDS	MENARDS	0165	28882	OPER	07/10/2024
2,243.00 269.89	VH INTERNET	MEDIACOM	MEDIACOM	0163	28881	OPER	07/10/2024
1,353.00 656.00 3,751.14 612.50 3,571.02	C ENGINEERING - AS NEEDED & C ENGINEERING PG AIRPORT 4.2 C ENG NEW PW BUILDING 4.28-6 C 2023 MET VILLAGE PG 4.28-0 C MFT VLG POPLAR GROVE 4.28-	C MCMAHON ASSOCIATES, INC MCMAHON ASSOCIATES, INC MCMAHON ASSOCIATES, INC MCMAHON ASSOCIATES, INC MCMAHON ASSOCIATES, INC	MCMAHON ASSOCIATES, INC	0159	2880 0	OPER	07/10/2024
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2,440.00 54.90 1,147.16 8,910.00 181.36 9.88 4,723.80	FLEXNET M2 SFTWR SUPPORT 3 IN NWWTP & SWWTP INTERNET VILLAGE PHONE LINES X13 R 100 S STATE ST NEW FURNANC IN VH PHONE, INTERNET, EMAIL CAM & GROOVE GASKET @ NWWT ALUMINUM SULFATE LIQUID	CORE & MAIN LP FOX VALLEY INTERNET, FRONTIER GILLEY'S HEATING & AI GO TO COMMUNICATIONS GRAINGER GRAINGER HAWKINS, INC.	CORE & MAIN LP FOX VALLEY INTERNET, IN FRONTIER GILLEY'S HEATING & AIR GO TO COMMUNICATIONS IN GRAINGER HAWKINS, INC.	0347 0096 0641 0424 0106 0109	28867 28868 28870 28871 28871 28872 28872 28873	OPER OPER OPER OPER OPER	07/10/2024 07/10/2024 07/10/2024 07/10/2024 07/10/2024 07/10/2024 07/10/2024 07/10/2024
157.50 1,333.13 266.63 1,757.26	GRASS SEED FOR ROW (12.5) GAL ROUNDUP QUIKPRO (2.5) GAL ROUNDUP QUIKPRO	CONSERV FS INC CONSERV FS INC CONSERV FS INC	CONSERV FS INC	0073	28866	OPER	07/10/2024
31.17	5318627000 - 12305 RT 76 L	COMED	COMED	0278	28865	OPER	07/10/2024
6,379.87 12,844.20 37.17 937.11 81.80 1,413.63 374.32 1,001.15 3,730.79 2,7.66 141.93 71.40 186.62 50.49 102.01 83.83	7470531222 - 610 S STATE S 4653503000 - 12211 RT76 - 3172892222 - 100 S STATE S 2994975000 - 4420 MENGE LA 1126462222 - 228 BOEING TR 7991645000 - 4870 WOODSTOC 5555323000 - 1000 WACO WAY 9866415000 - RT 173 W#3 & 5653742222 COMMUNITY & DUS 3061267111 - 200 W MAIN L/ 8107661222 - 5500 WHITTING 0862561222 - 5500 WHITTING 0862561222 - 13505 HARVEST 3233830100 - 502 WACO WAY 9177938000 - 105 BULLARD S 3174406000 - 4194 DAWSON L	COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED COMED	COMED	0278	2 8 8 6 4	O P 든 R	07/10/2024
49.78 49.78 348.46 222.90	SOAP, SANI-CLIPS, FLOORMAT, U SOAP, SANI-CLIPS, FLOORMAT, U INTERNET & SECURITY EDGE @	CINTAS CORPORATION CINTAS CORPORATION COMCAST	COMCAST	0639	28863	OPER	07/10/2024
Amount	Description	Invoice Vendor	Vendor Name	Vendor	Check	Bank	
Page: 2/4	GROVE 2024	ER FOR VILLAGE OF POPLAR GROV FROM 07/01/2024 - 07/31/2024	CHECK REGISTER FOR CHECK DATE FROM 07		jan A	11:12 AM URER Grove	(77715/2024 11:1 U 4. TREASURER

4,818.00 1,967.82	1 (2) STARTERS & (2) THERMAL	AN STEINER ELECTRIC COMPAN	STEINER ELECTRIC COMPAN	0248	28895	OPER	07/10/2024
3,807.00 368.00 506.00 137.00	LEGAL - GENERAL - JUNE 202 LEGAL - 131 BULLARD - CODE LEGAL - VLG PG VS EPI LEGAL - VPG VS US BANK 103	SOSNOWSKI SZETO, LLP SOSNOWSKI SZETO, LLP SOSNOWSKI SZETO, LLP SOSNOWSKI SZETO, LLP	SOSNOWSKI SZETO, LLP	0319	28894	OPER	07/10/2024
5,384.10 1,148.74 6,532.84	FLYGT 3102 REPAIR @ NWWTP SBR PUMP REPAIR @ NWWTP	SABEL MECHANICAL LLC. SABEL MECHANICAL LLC.	SABEL MECHANICAL LLC.	0408	28893	OPER	07/10/2024
2,0033.00 95.00 41,174.02 94.83	BLDG PERMIT REFUND 2024-55 VPG PORTION FOR BEAVER RD COPY MACHINE MAINT B/W & C	RALPH FESSENDEN ROCK ROAD COMPANIES TE ROCKFORD BUSINESS SYSTE	RALPH FESSENDEN ROCK ROAD COMPANIES ROCKFORD BUSINESS SYSTE	MISC 0435 0220	28890 28891 28892	OPER OPER OPER	07/10/2024 07/10/2024 07/10/2024
406.50 406.50 1,235.25 2 884 50	CEMENT FOR BURLED WOOD CUR CEMENT FOR BURLED WOOD CUR CEMENT FOR WEST GROVE SIDE CEMENT-WEST GROVE SIDEWALK	POINT READY MIX POINT READY MIX POINT READY MIX POINT READY MIX	POINT READY MIX	0627	28889	OPER	07/10/2024
448.35	POSTAGE METER RENTAL & ANN	PITNEY BOWES INC.	PITNEY BOWES INC.	0211	28888	OPER	07/10/2024
570.72 1,458.04 2.028.76	(71.34) CFT ARBORETUM WLKG CA-6 BEDROCK FOR BEAVER RO	VI NORTHERN ILLINOIS SERVI NORTHERN ILLINOIS SERVI	NORTHERN ILLINOIS SERVI	0192	28887	OPER	07/10/2024
158.54 44.42 222.80 45.30 43.12 56.18 164.25 43.54 43.54 43.54 43.54 43.54 47.20 459.70	13505 HARVEST WAY L/S 4420 MENGE LN W#4 111 E PARK ST - PW BUILDIN 203 BEAVER DR. L/S 100 S STATE ST. W#2 610 S STATE ST. NWWTP 12211 RT76 SWWTP 4870 WCODSTOCK RD W#5&6 211 W GROVE RT 173 W#3 287 PRAIRIE KNOLL L/S 1001 WACO WAY C/L/S 4194 DAWSON LK RD L/S	NICOR GAS NICOR GAS NICOR GAS NICOR GAS NICOR GAS NICOR GAS NICOR GAS NICOR GAS NICOR GAS	NICOR GAS	0186	28 88 6	O ER	07/10/2024
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22.34 23.76 15.84 23.76 8.00 8.00 101.70	 (2) 5 GAL DRINKING WATER (3) 5 GAL DRINKING WATER @ (2) 5 GAL DRINKING WATER @ (3) 5 GAL DRINKING WATER @ COOLER RENTAL @ VH COOLER RENTAL @ VH 	MR. GOODWATER MR. GOODWATER MR. GOODWATER MR. GOODWATER MR. GOODWATER MR. GOODWATER	MR. GOODWATER	0329	28883	OPER	07/10/2024
42.57 382.45	1 X 6 FOR BURLED WOOD CURB	MENARDS					
Amount	Description	Invoice Vendor	Vendor Name	Vendor	Check	Bank	<i>It</i> Date
Page: 3/4	GROVE 2024	VILLAGE OF POPLAR 7/01/2024 - 07/31/	CHECK REGISTER FOR CHECK DATE FROM 0			11:12 AM SURER Grove	U 4. TREASURER m pplar Grov

CHECK REGISTER FOR VILLAGE (CHECK DATE FROM 07/01/2024	FOR VILLAGE OF POPLAR GROVE DM 07/01/2024 - 07/31/2024	GROVE 2024	Page: 4/4
Vendor Name	Invoice Vendor	Description	Amount
TEST INC.	TEST INC. TEST INC. TEST INC. TEST INC. TEST INC. TEST INC. TEST INC. TEST INC. TEST INC.	IL0070300-SOUTH W#5&6 IEPA IL0070350 WEST W#4 IEPA TE DISINFECTION BY-PRODUCTS R WATER & SEWER CONTRACT 20 IL0070150 NORTH W#4 IEPA TE IL0070350 WEST W#4 IEPA TE IL0070300-SOUTH W#5&6 IEPA IL0070300-SOUTH W#5&6 IEPA	36.00 315.00 220.00 18,297.51 17.00 17.00 17.00 100.00 19,169.51
TWIN TOWERS INC.	TWIN TOWERS INC. TWIN TOWERS INC.	NAME PLATES - B.MOORE & AN PW TRUCK MANGNETS	18.00 110.00
U.S. CELLULAR VORTEX TECHNOLOGIES VERIZON WEX BANK - MARATHON	U.S. CELLULAR INC VORTEX TECHNOLOGIES VERIZON FLE WEX BANK - MARATHON	WWTP,CLRK,VLG PRES ,TABLET INC (5) ONSITE CALIBRATIONS PW,VPG ADMIN,HOTSPOT,(2) T FLE PUBLIC WORKS FUEL 5.16-6.1	128.00 239.42 2,125.00 192.61 1,397.33
			203,624.93
			203,624.93
CHECK DATE FROM Vendor Name TEST INC. TWIN TOWERS INC. U.S. CELLULAR VORTEX TECHNOLOGIES VERIZON WEX BANK - MARATHON	- P	PLE PLE	Description Description IL0070300-SOUTH W#5&6 IEPA IL0070350 WEST W#4 IEPA TE DISINFECTION BY-PRODUCTS R WATER & SEWER CONTRACT 20 IL0070150 WEST W#4 IEPA TE IL0070350 WEST W#4 IEPA TE IL0070300-SOUTH W#5&6 IEPA IL0070300-SOUTH W#5&6 IEPA IL0070300-SOUTH W#5&6 IEPA (5) ONSITE CALIBRATIONS PW,VPG ADMIN,HORES,TABLET (5) ONSITE CALIBRATIONS PW,VPG ADMIN,HORSPOT,(2) T PUBLIC WORKS FUEL 5.16-6.1



2323 Fourth Street, PO Box 483 Peru, IL 61354 Phone: 815-224-1650 Toll Free: 800-659-4659 www.testinc.com

July 6, 2024

- Client: Village of Poplar Grove Attn: Don Sattler, Village President 200 Hill Street P.O. Box 01 Poplar Grove, IL 61065
- Plant Type:Wastewater Treatment Plants: North: Class II Sequential batch reactors (SBR).
South: Class I Sequential batch reactors (SBR).
Water Treatment Plants: Well Supply with Chemical Addition in all 3 locations

For the water system you will find attached the daily inspection and monitoring reports for each of the water plants and the distribution system testing record. For the wastewater side we have included the monthly DMR for both wastewater plants.

Outlined below are the processes and actions taken during May 2024 in Poplar Grove to improve the facilities equipment beyond required and routine maintenance, testing, inspection and reporting. At times we will also list upcoming needed improvements that may need attention by the Village.

Lift Stations:

- We've started weed eating around the lift stations.
- Collins was supposed to come out, but we have to reschedule.

North WWTP:

- All standard monthly checks/maintenance/cleaning and procedures were completed.
- We had a meeting with Complete Integration about the future upgrades with the Scada system of the plant. We discussed everything we wanted to accomplish and the long and short of it is we need to decide as a board what direction we want to go.
- Decanted digesters.
- Tested all emergency wash stations.
- We've been working with Gasvoda to try and get the disk filter fixed. NOVA, the company that made the filter, is out of business, so we can't just order the parts we need. This is still ongoing. We received a quote from Gasvoda to repair the filter and make new parts since they can't buy them. It was around \$7,000.

South WWTP:

- Decanted digesters.
- We pulled the SAM unit out of SBR1 and repaired the air line.
- We had an issue with the level controller for the internal lift station at the plant. It was a bad motor starter. We had Miglivra Electric out to repair that.
- All standard monthly checks/maintenance/cleaning and procedures were completed.
- Tested all emergency wash stations.



Item 5.

2323 Fourth Street, PO Box 483 Peru, IL 61354 Phone: 815-224-1650 Toll Free: 800-659-4659 www.testinc.com

- Sludge was moved from the drying beds.
- We did get some quotes from Dahm to remove and haul the sludge away. We're waiting for the lab results to come back that waste management had requested to haul the sludge ourselves.

Water System:

- Cleaned well houses.
- All daily checks have been completed.
- Chris and Chelsee have started working on the source water protection plan. This is something the IEPA is making every system in the state do.
- Changed and rebuilt some chemical pumps as they start to leak.

All operations and plant inspections have been performed by me or under my direct supervision. As always, if you have any questions concerning the above, please do not hesitate to contact me.

Submitted by, Total Environmental Service Technologies, Inc.

Ion Stear Certified Operator/Manager

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business) confidential business information form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information to search and to any of the submitted information. Furthermation the supret of submitsion information assare a CBI claim or cover previously submitted information to assare the administratively practicable strong may be disclosed to the public With out for the an aed for persons to assert a claim of CBI based on the types of information requested in this form, if porsons wish to assert a CBI claim we direct the <u>MPDES efforting Halo Dask</u> for further guidence. Please note that EPA may contact you submit this report for more allowed to restore a need for persons to assert a claim of CBI based on the types of information information requested in this form, if porsons wish to assert a claim of CBI based on the types of information prover practicable strong the EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mendatory in accordance with this permit and EPA NPDES regulations 40 CFR 122 41(1)(4)(1). An agency may not concluctor persons, and reports, rule a persons, individual to a relation of information are mendatory in accordance with this permit and EPA NPDES regulations 40 CFR 122 41(1)(4)(1). An agency may not recording to a relation of information of information of information is a currently valid of the second second persons in a persons, and a persons in or recording to the Agency in accordance with this permit and EPA NPDES regulations 40 CFR 122 41(1)(4)(1). An agency interval of the relation of information is a currently valid of the second persons in the relation of information is a currently valid of the relation of information is a currently valid of the relation of information are estimated burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Dirator, U.S. Environmental Protaction Agency (28211), 1200 Pannsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control truncher in any control truncher in any control truncher in a current of the completed form to this address.

Permit #:	IL0023451			Per	Permittee.			POPLAR GROVE, VILLAGE OF	OVE, VILL	AGE OF			Facility:		POI	POPLAR GROVE - NORTH WWTP, VILLAGE OF	VTP, VILLAGE	L.	
Major:	Ŷ			Per	Permittee Address:	jress:		200 NORTH HILL STREET POPLAR GROVE, IL 61065	HILL STRE OVE, IL 61	ET 065			Facility Location.	cation.	205 PO	205 EDSON RD POPLAR GROVE, IL 61065			
Permitted Feature:	Feature: 001 External Outfall	utfall		Dis	Discharge:			001-0 STP OUTFALL	-										
eport Da	Report Dates & Status																		
lonitoring	Monitoring Period: From 05/01	From 05/01/24 to 05/31/24		MIC	DMR Due Date:	¢:		06/25/24					Status:		Net	NetDMR Validated			
onsidera	Considerations for Form Completion																		
W ID: W	BOW ID: W0070150007; DMF LOAD LIMITS DISPLAYED MONITORING LOCATION "1" IS FORMONTHLY AVERAGE AND DALY MAXIMUM MONITORING LOCATION "8" IS FORWEEKLY AVERAGE.	ISPLAYED.MONI	ITORING LO	CATION "1"	IS FORMO	NTHLY AV	ERAGE AN	DAILY MA	SIMUM.MO	NITORING	LOCATION	"8" IS FOR	RWEEKLY A	VERAGE.					
rincipal à	Principal Executive Officer																		
First Name:	e: fon			Title:				Certified Operator	rator				Telephone:		815	815-224-1650			
Last Name:	e: Stear																		
o Data In	No Data Indicator (NODI)																		
Form NODI:																			
Code*	Parameter	Location	Beangin Privan	NODI	- Duil	Sublime Va	Value 1 Quartity	Cuantity or Londing	Vatue 2 U	Units Dual?	Dualities Violue 1 Dualities Visione 2	Qualifier	Value 2	Quality Qualifier	Quality or Congenitation Mailfler	Value 3	Unites	Links for frequency of Antiyals Sampin Type	rais Servoin
				3	Sample								8.52		7.84		19 - mg/L	02/DA - 2 Days Every Week	GR - GRAB
00300	Owners discolved [DO]	1 - Effluent	-		Portug							ž	6.25 MN WK	X	5.0 DAILY MN		19 - mg/L	0 02/DA - 2 Days Every	GR - GRAB
		Gross			Visite Visite								AV						
				2	Sample						6.77			M	9.27		12-SU	02/DA - 2 Days Every Week	GR - GRAB
	pH	1 - Effuent Gross	- 0		Participa -					*	6.0 MINIMUM			Ş	9.0 MAXIMUM		12-SU	1 D2/DA - 2 Days Every Week	GR - GRAB
00400				2.4	Value														
				1	fiampta <	12.885	•	36.079	28	26 - Ib/d		v	5.0		14.0		19 - mg/L	02/DA - 2 Days Every Week	
00530	Solids, total suspended	1 - Effluent Gross	0		Retmit <=	125.0 N	125.0 MO AVG <=	250.0 DAILY MX		26 - Ib/d		Ų	12.0 MO AVG	U	24.0 DAILY MX		19 - mg/L	0 02/DA - 2 Days Every Week	
				2.2	Value NODE														
				22	Sample <	0.374	*	1.178	26	26 - Ib/d			0.145		0.457		19 - mg/L	02/DA - 2 Days Every Week	CP- COMPOS
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1 0		Facult CE	16.0 MO AVG	⊃ AVG <=	31.0 DAILY MX		26 - Ib/d		Ų	1.5 MO AVG	0	3.0 DAILY MX		19 - mg/L	0 02/DA - 2 Days Every Week	
				74	Value NODI					1									
				.8	Sample =	0.309	л	0.398	03 WC	, <u>p</u>							_	99/99 - Continuous	
50050	Flow, In conduit or thru t reatmen t plant	1 - Effluent Gross	1 0		Fernic Ren. VAlue NOUI	Req Mon AVG	OM In	Req Mon DAILY MX	DAILY 03- MGD	, Q								0 99/99 - Continuous	
		1 . Efficient		10 2	Family Permit					-				Ų	0.05 DAILY MX		19 - mg/L	01/30 - Monthly	GR - GRAB
20060	Chlorine, total residual	Gross	1		Name No os										9 - Conditional Period	9 - Conditional Monitoring - Not Required This Period			
					Santole -	-								v	10.0		13 - #/100mL	01/30 - Monthly	GR - GRAB
		1 - Effluent			Permit												- 21		

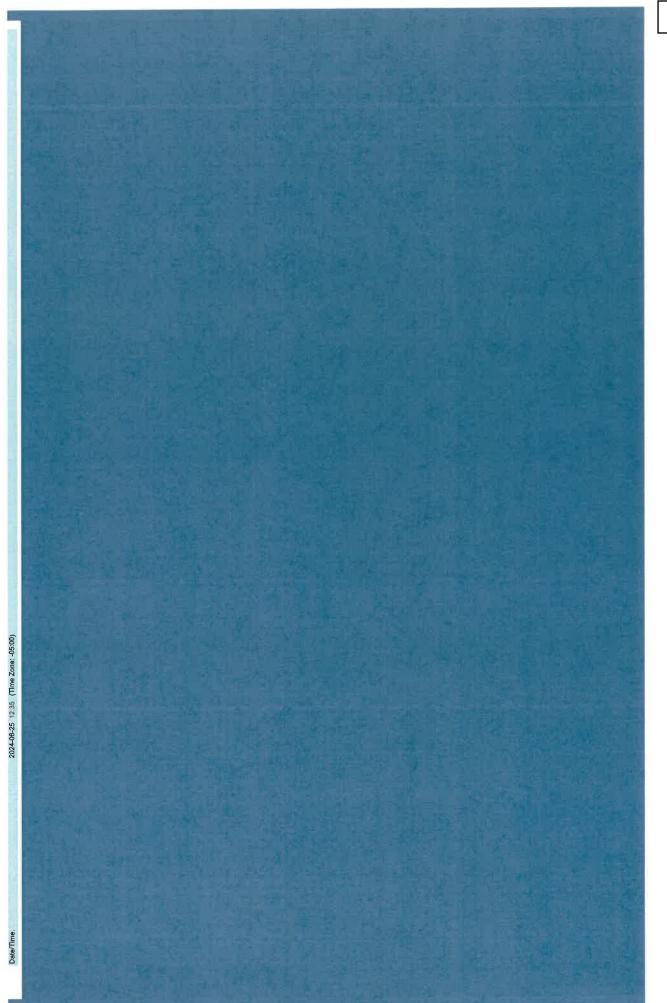
	BOD, carbonaceous [5 day, 20 C]	Submission Note	If a parameter row does no Edit Check Errors	Paramater Code Name		Comments	PH overage was a callorau	No attachments.	Report Last Saved By	POPLAN GRUVE, VILLAGE UP		E-Mail:	Date/Time:	Report Last Signed By		Name: C.Molt	Date/Time:	
		1. 92 June 1	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.	Monitoring Location	1 - Effluent Gross		PH overage was a calloration error with the prope.		10	de Ur								
	1 - Effluent Gross	Alter	the Sample no		Quality o													
	1		r Effluent Trading,		Quality or Concentration Sample Value 3					IONSTEAR	ton Stear	istear@testinc.com	2024-06-25 12.		IONSTEAR	Ion Stear istear@taction.com	2024-06-25 12	
Sample <	Permit Reag Value Value		, then none of the	Flatd	mple Value 3							moo	2024-06-25 12:33 (Time Zone: -05:00)			mu	2024-06-25 12:35 (Time Zone: -05:00)	
12.563	104.0 MO AVG <=	24.14.2	following fields will		Soft								-05:00)				-05:00)	
.< 15.462			l be submitted	Type														
.62 26 - lb/d	209.0 DAILY MX 26 - Ib/d	A number of	for that row: Un		rovided sample va													
D/G	P/g		ts, Number of Ex		lue is outside the p													
0	ų	1.8	cursions, Fraqu		vermit limit. Pleas													
* 0/0*	10.0 MO AVG		iency of Analysis		e verify that the va													
6.0	20.0 DAILY MX	1.1.1.1.1	, and Sample Type	Description	The provided sample value is outside the permit limit. Please verify that the value you have provided is corred:													
	×		i		ed is correct.													
	19-mg/L 0																	
Week	02/DA - 2 Days Every Week	D D C AV																
	ery CP - COMPOS			Acknowledge	Yes													

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Permit										
Permit #:	IL0023451	Permittee:		POPLAR GROVE, VILLAGE OF	DF	Facility:	POPLAR GROVE - NORTH WWTP, VILLAGE OF	'H WWTP, VILLAGE	OF	
	92	Permittee Address:	0) 97	200 NORTH HILL STREET POPLAR GROVE, IL 61065		Facility Location:	205 EDSON RD POPLAR GROVE, IL 61065	<u>85</u>		
Permitted Feature:	INF Influent Structure	Discharge:		INF-L INFLUENT MONITORING						
Report Dates & Status										
Monitoring Period:	From 05/01/24 to 05/31/24	DMR Due Date:		06/25/24		Status:	NetDMR Validated			
Form Complet	ion									
BOW ID: W0070150007										
Principal Executive Officer										
	lon	Title:		Certified Operator		Telephane:	815-224-1650			
Lest Name:	Stear									
No Data Indicator (NODI)										
Form NODI:										
Parimeter	Mandormg Location	Teston # Passim NODE		Outwrite a Landing	Cuttor of	Children and and a second and a second and a	Guardy de Concentration		# of Ea. Proquency of Analysis Sample Type	Eample Type
8000A			- Statistic	A MINU A	V Black &		79.875	19 - mg/L	02/DA - 2 Days Every Week	CP - COMPOS
00310 BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	3 0	Permit Rea Value NODI				Req Man MO AVG	19-mg/L 0	02/DA - 2 Days Every Week	CP - COMPOS
00530 Solids, total suspended	G - Raw Sawage Influent	1	Sample Permut Pana Value NODI				116.75 Req Mon MO AVG	19 - тд/L 19 - тд/L	02/DA - 2 Days Every Week 02/DA - 2 Days Every Week	CP - COMPOS CP - COMPOS
50050 Flow, in conduit or thru freatment plant	atment plant G - Raw Sewage Influent	1	Sample Permit Reg. Value NODI	= 0.304 = Req Mon MO AVG	0.415 03-1 Req Mon DAILY MX 03-1	03 - MGD 03 - MGD		•	99/99 - Continuous 99/99 - Continuous	
Submission Note		The second se	(CON)							
If a parameter row does not contain a Edit Check Errors	If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.	ig, then none of the fol	lowing fields w	vill be submitted for that row: Units, N	umber of Excursions, Fre	equency of Analysis, and Sam	ple Type.			
No errors.										
Comments										
Attachments										
No attachments.										
Report Last Saved By										
POPLAR GROVE, VILLAGE OF										
User	ebumgamer									
Name:	Elaine Bumgamer	gamer								
E-Mail:	ebumgamer	ebumgamer@testinc.com								
Date/Time:	2024-06-25	2024-06-25 10:26 (Time Zone: -05:00)	2:00)							
Report Last Signed By										
User:	IONSTEAR									
Name:	lon Stear									
E-Mail:	istear@testinc.com	c.com								



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Permit #:	IL0071447	1447	-	Permittee:		POI	POPLAR GROVE, VILLAGE OF	VILLAGE OF		Facility:		POPLAR GROVE SOUTH STP, VILLAGE OF	UTH STP, VILLAGE	OF	
Major:	Yes			Permittee Address.	vddress.	200 POI	200 S HILL ST POPLAR GROVE, IL 61065	IL 61065		Facility Location:	cation:	12211 STATE ROUTE 78 POPLAR GROVE, IL 61065	E 76 61065		
³ ermitte	Permitted Feature: 001 Extern	001 External Outfall		Discharge:		STF STF	001-0 STP OUTFALL								
Raport L	Raport Dates & Status														
Vonitor	Monitoring Period: From	From 05/01/24 to 05/31/24	1	DMR Due Date:	late:	190	06/25/24			Status:		NetDMR Validated			
Conside	Considerations for Form Completion														
30W ID	BOW ID: W0070150006; DMF LOAD LIMITS DISPLAYED.	'S DISPLAYED.													
Principa	Principal Executive Officer														
First Name:	me: Ion		-	Title:		Cer	Certified Operator			Telephone:		815-224-1650			
Last Name:	me: Stear														
lo Data	No Data Indicator (NODI)														
Form NODI:															
Dada	Plannetor Name	Monocorrang Lancatron	Teason Perem	Peram.	Gualified	Value	Dumitity and anothing		Units Qualifier Value 1 Qualifier Value 2	Him Vsille 2	Quality of Outline	Guality or Cancentration Value 3	Units	If of Frequency of Anarysis Ex.	Sample Type
				BA	inspie					8.76	= 7.5	7.59	19 - mg/L	03/DW - 3 Days Every Week GR - GRAB	GR - GRA
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Rog Volue				¥	6.25 MN WK AV >=		5.0 DAILY MN	19 - mg/L	0 03/DW - 3 Days Every Week GR - GRAB	GR - GRA
				Z International	Nebili I				7.15			912	12 - SU	03/DW - 3 Days Every Week GR - GRAB	GR - GRA
00400	Hd	1 - Effluent Gross			Permit Nea Value			*	6.0 MIMIMUM		5	9.0 MAXIMUM		1 03/DW - 3 Days Every Week GR - GRAB	GR - GRA
				2	sample <	15,432 =	48.539	26 - Ib/d	×	4.769	15	15.0	19 - mg/L	03/DW - 3 Days Every Week CP -	CP -
00E30	Collida total ananadad	1 Efficient Canada			Permit	250 D MO AVG		FOD D DAILY MY DE - BHD	ł	ONO ON OF	ł			o nation - a frace Event Water CP -	CP .
05600	Solids, total suspended	1 - Emuent Gross				-> 50AH DW 0.062		D/01 - 07 YW 1-	,	SVA UM UZI	9	*0 CALL1 8%			COMPOS
				2.0	Samples				н	11.92	= 11	11.92	19 - mg/L	01/30 - Monthly	CP - COMPOS
00900	Nitrogen, total [as N]	1 - Effluent Gross	0	2.11	Permi					Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0 01/30 - Manthiy	CP - COMPOS
				2	NOCH										
				8	aesple <	0.421 =	1.553	26 - Ib/d	v	0.13	ю́ п	0.48	19 - mg/L	03/DW - 3 Days Every Week COMPOS	COMPOS
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Pwma <=	31.0 MO AVG <=	B8.0 DAILY MX	Y MX 26-Ib/d	U	1.5 MO AVG	4	4.7 DAILY MX	19 - mg/L	0 03/DW - 3 Days Every Week COMPOS	CP- COMPOS
				> Ż	NODI										
				and the second s	Sample	20014	0.751	26 - 1b/d			(H))	0.232	19 - mg/L	03/DW - 3 Days Every Week COMPOS	CP- COMPOS
00610	Nitrogen, ammonia total [as N]	8 - Other Treatment, Process Complete	0	s a	P evint			79.0 WKLY AVG 26 - Ib/d			3.	3.8 WKLY AVG	19 - mg/L	0 03/DW - 3 Days Every Week COMPOS	CP. COMPOS
				» Z	NODI			-							
				5	Shirple =	2.576		26 - Ib/d	U	0.796			19 - mg/L	03/DW - 3 Days Every Week CP -	COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	- H	Reg <=	21.0 MO AVG		26 - Ib/d	ţ	1,0 MO AVG			19 - mg/L	0 03/DW - 3 Days Every Week COMPOS	COMPOS
				X	Value										

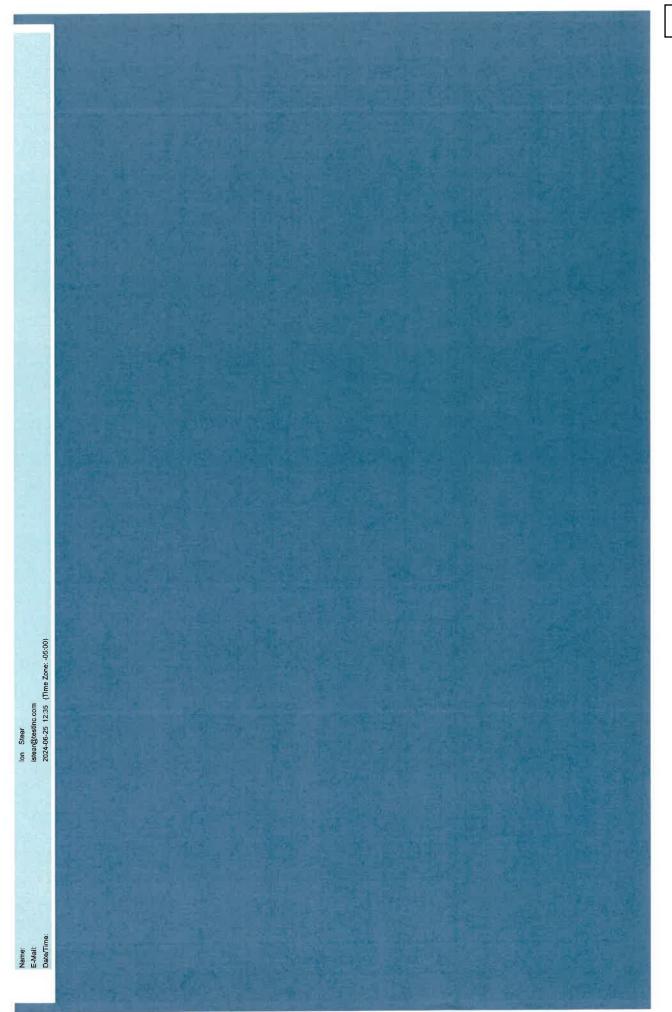
			- demple_=	0.388 =	0.775 03- MGD					99/99 - Continuous
50050 Flow, in condult or thru treatment 1 - Effluent Gross plant	nt 1 - Effluent Gross	- 0	Dir.	Req Mon MO AVG	Req Mon DAILY 03 - MX MGD				0	99/99 - Continuous
			Sample				\$	0.05 DAILY MX	19 - mg/L	CL/OC - GRAB
50060 Chlorine, total residual	1 - Effluent Grass	1	Kag					 Conditional Monitoring - Not Required Th 		
			NDDI					Period		
			Sample				10	580.0	13 - #/100mL	03/DW - 3 Days Every Week GR - GRAB
Coliform, fecal general	1 - Effluent Gross	1	Rett				en 40	400.0 DAILY MX	13- #/100mL	03/DW - 3 Days Every Week GR - GRAB
74055			Value							
			Sample <	15.93 <	19.416 26 - lb/d	< 4.923	v	6.0	19 - mg/L	03/DW - 3 Days Every Week COMPOS
80082 BOD, carbonaceous (5 day, 20 C)	c) 1 - Effluent Gross	0	Permit ca Req. Value	209.0 MO AVG <=	417.0 DAILY MX 26 - Ib/d	<= 10.0 MO AVG	ţ	20.0 DAILY MX	19 - mg/L 0	
Submission Note			NODN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				The second s		
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis, and Sample Type.	ralues for the Sample nor Efflu	ent Trading, then none o	f the following fiel	is will be submitted for	vr that row: Units, Number of Excurs	sions, Frequency of Ana	lysis, and Sampl	le Type.		
Edit Check Errors										
Parameter			and a second					Aller Party Party		Anterendari See
Coda Nama	MONITOLING LOCATION		10440	adá			YEAR			- ABrillion and and a state of the state of
74055 Caliform, facal general	1 - Effluent Gross	Quality or Concentration Sample Value 3	Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	side the permit limit. Please	verify that the va.	lue you have provided is correct.		Yes
00400 pH	1 - Effluent Gross	Quality or Concentration Sample Value 3	Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct	side the permit limit. Please	e verify that the va	lue you have provided is correct.		Yes
reo auacuments. Report Last Saved By										
POPLAR GROVE, VILLAGE OF										
User:	101	IONSTEAR								
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Mile Manuality Man	Part too:		The second se	an first	C + 1111 GEO 111 100 LI 1000 G + 1000	
Majot: Yes Permitted Feature: NF Permitted Feature: NF Raport Dates & Status From Osfort/24 to 05/31/24 Raport Dates & Status From Osfort/24 to 05/31/24 Montloring Ferido: From Osfort/24 to 05/31/24 BOW UD: WOO70150006 From Osfort/24 to 05/31/24 Printipal Executive Officien Ion Last Manne: Ion Last Manne: Ion Los Data Indicator (WODI) - Mont Data Indicator (WODI) - Port NODI: - Mont Data Indicator (WODI) - Mont NOLI: -		PUPLAK GRUV	POPLAR GROVE, VILLAGE OF	Factility:	POPLAR GROVE SOUTH STP. VILLAGE OF	it or
Permitted Feature Raport Dates & Status Rontoring Period. Net Environment From 05/01/24 to 05/31/24 Rontoring Period. From 05/01/24 to 05/31/24 Rontoring Period. Environment From 05/01/24 to 05/31/24 Rontoring Period. Environment From 05/01/24 Rontoring Period. Environment From 05/01/24 Rontoring Period. Environment From 05/01/24 Rontoring Period. Environment From 05/01/24 Rontoring Period. Environment From 00: Rontoring Period. Environment From NOI: Last Name: Stear Non Officer Environment From NOI: Last Name: Stear Non Officer Environment From NOI: Last Name: Stear Non Officer Environment From NOI: Last Name: From Sowage Influent G. Raw Sowage Influent G.	Parmittee Address:	200 S HILL ST POPLAR GROVE, IL 61065	re, il. 61065	Facility Location:	12211 STATE ROUTE 76 POPLAR GROVE, IL 61065	
Raport Dates & Status Nontioning Period: From GS01124<00531124	Discharge:	INF-L INFLUENT MONITORING	VITORING			
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VILLAGE OF POPLAR GROVE - NORTH IL-0070150 FOR THE MONTH OF MAY 2024 MONTHLY OPERATING REPORT ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES

	 Ibs Used 8.00 6.00 44.00 <l< th=""><th>PO4 Scale</th><th>lbs Used</th><th></th></l<>	PO4 Scale	lbs Used	
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08:00 434211 144 10064.5 0 32901.50 7.50 80.00 2.0 2.0 08:00 434355 86 10064.5 0 32909.00 4.40 78.00 1.0 08:00 43441 213 10064.5 0 32913.40 10.70 77.00 2.5 08:00 434654 167 10064.5 0 32913.40 10.70 77.00 2.5 08:00 434821 100 10064.5 0 32932.60 5.20 71.00 2.5 08:00 434821 100 10064.5 0 32932.60 7.4.0 78.00 1.0 08:00 434821 100 10064.5 0 32932.60 7.4.0 78.00 1.0 08:00 43531 145 10064.5 0 32932.60 7.4.0 8.20 1.0 08:00 43537 171 10064.5 0 32953.40 10.10 2.6 0 1.0 <td>00</td> <td>-</td> <td>_</td> <td>dhr</td>	00	-	_	dhr
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435968 10064.5 32991.3 158.9	32 8.00	0.65 50.50	0.0	DHR
	24/100	1 50.50	0	HQ
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80		0.96		
17		1.99		
		0.50	_	_

VILLAGE OF POPLAR GROVE - WEST IL 0070350 FOR THE MONTH OF MAY 2024 MONTHLY OPERATING REPORT ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES

		HOW	Meter	Hour Meter Well 4	A DO A A DO)	NAN Y NHI VAHIO		-	rnospnate ree	-	Flouride Feed	e reed	operator.
Date	Time	Reading	Pumpage	Reading	Hours	Scale	lbs Used	Free	Scale	lbs Used	PO4 mg/L	Scale	lbs Used	Initials
30-Apr	08:30	393556	0	8831.52	0	134.50	0.5	1.00	34	6.00	1.51	396.90	1.70	GS
1-May	08:30	393635	56	8833.38	1.36	134.00	0.5	1.07	28	4.00	0.91	395.2	09.0	GS
2-May	08:30	393691	59	8834.74	1.38	133.50	1.0	1.15	24	4.00	1.95	394.60	1.50	GS
3-May	08:30	393750	57	8836.12	1.35	132.50	0.5	1.05	20	6.00	1.60	393.10	0.50	GS
4-May	08:30	393807	81	8837.47	2.3	132.00	1.0	0.45	14/100	7.00	0.88	392.60	1.80	đh
5-May	08:30	393888	76	8839.77	1.45	131.00	2.0	1.11	93	7.00	1.12	390.80	1.00	dhr
6-May	08:30	393964	17	8841.22	1.83	129.00	0.5	1.27	86	6.00	1.60	389.80	1.60	SS
7-May	08:30	394041	58	8843.05	1.39	128.50	0.5	1.13	80	4.00	1.33	388.20	1.10	ß
8-May	08:30	394099	56	8844.44	1.32	128.00	0.0	1.09	76	6.00	1.25	387.10	1.00	ß
9-May	08:30	394155	56	8845.76	1.34	127.50	1.0	1.41	70	4.00	2.04	386.10	0.90	SS
10-May	08:30	394211	74	8847.1	1.72	127.00	1.0	1.16	66	6.00	2.26	385.20	1.20	GS
11-May	08:30	394285	49	8848.82	1.43	126.00	1.0	1.17	60	6.00	1.77	384.00	1.10	BH
12-May	08:30	394334	90	8850.25	1.92	125.00	1.0	06.0	54	4.00	2.13	382.90	1.40	BH
13-May	08:30	394424	59	8852.17	1.39	124.00	0.5	0.60	50	6.00	2.00	381.50	1.20	đ
14-May	08:30	394483	76	8853.56	1.81	123.50	1.0	1.24	44	8.00	1.80	380.30	1.30	GS
15-May	08:30	394559	57	8855.37	1.36	122.50	0.5	0.77	36	4.00	1.49	379.00	1.10	đh
16-May	08:30	394616	59	8856.73	1.38	122.00	1.5	1.02	32/100	4.00	1.61	377.90	1.40	đþ
17-May	08:30	394675	77	8858.11	1.84	120.50	0.5	1.18	94	6.00	2.03	376.50	1.30	GS
18-May	08:30	394752	57	8859.95	1.37	120.00	1.0	0.47	88	4.00	1.36	375.20	1.20	đh
19-May	08:30	394809		8861.32	2.19	119.00	0.5	0.77	84	8.00	1.54	374.00	1.30	쇱
20-May	08:30	394905	_	8863.51	1.57	118.50	1.5	1.27	76	6.00	1.44	372.70	1.60	GS
21-May	08:30	394967	57	8865.08	_	117.00	1.0	1.32	70	4.00	1.26	371.10	0.80	S
22-May	08:30	395024		8866.44	_	116.00	0.5	1.04	99	6.00	1.73	370.30	1.30	GS
23-May	08:30	395101	76	8868.28	1.82	115.50	1.0	1.10	60	6.00	1.36	369.00	1.80	GS
24-May	08:30	395177		8870.1	_	114.50	1.0	0.71	54	6.00	1.77	367.20	1.10	đh
25-May	08:30	395235		8871.48	_	113.50	0.5	1.56	48	6.00	2.90	366.10	1.20	BH
26-May	08:30	395313	58	8873.34	1.38	113.00	0.1	0.62	42	6.00	1.71	364.90	1.40	BH
27-May	08:30	395371		8874.72	2.28	112.90	1.0	0.68	36	6.00	0.87	363.50	1.80	đ
28-May	08:30	-		8877	1.37	111.90	0.9	0.23	30	6.00	1.19	361.70	1.00	槝
29-May	08:30	-		8878.37	1.4	111.00	2.0	0.29	24	2.00	1.16	360.70	1.50	đþ
30-May	08:30	-		8879.77	2.01	109./160	2.5	1.81	22	_	2.28	359.2/432	0.80	HQ
31-May	08:30	-	58	8881.78	1.2	157.50	1.5	1.66	16/100	4.00	1.23	431.20	0.80	DH
1-Jun		395717		8882.98		156.00		2.00	96		1.08	429.9		HO
TOT			2024					34.30			52.16			
AVE			65					1.04			1.58			
MAX			96					1.81			2.90			
MIN			c	T	4			0.23			0.87			

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VILLAGE OF POPLAR GROVE - SOUTH IL 0070300 FOR THE MONTH OF MAY 2024 MONTHLY OPERATING REPORT ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES

						TIDRE MARKED AN CHIC	A MALL BALATIN IMANY						A Distance of the second se		FIOUTIDE FCCO		Operator
00000 (1443) 4773 773510 0 773500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73500 1 73700 <	Date	Time	Reading	Pumpage	Reading	Hours	Reading	Hours		lbs Used	Free		lbs Used	PO4 mg/L		lbs Used	Initials
00000 014333 59 47351 0.9 47351 0.9 47351 0.9 47351 0.0 1440 16 0.0 0.77 73930 0 00000 014431 7 757.5 0.9 47351.0 0 123.00 124.00 16 100 0.000 3736.0 1737.00 00000 16430 58 4531.1 0 173.00 113.0 15.4 92 200 0.73 3736.0 173.00 173.00 173.00 173.00 173.00 173.00 173.00 173.00 13.1 173.00 13.1 173.00 13.1 173.00 13.1 13.3 13.1 13.3 13.1 1	30-Apr	00:60	614443		4572.3		4758.10	0	127.50		1.46	20		0.89	382.60		S
0000 01140 10 1140 10 000 077 37900 0 0000 01405 37 4754 0.9 4738.10 0 12300 103 1140 105 0100 036 37900 1770 37900 17900 17900 103 37900 1030 37900 1030 37900 1030 37900 1030 37900 1030 37900 1030 37900 1030 378.00 1030 378.00 1030 378.00 1030 378.00 1030 378.00 1030 378.00 1030 1030 1030 178.00 103 178.00 103 178.00 103 178.00 103 178.00 1031 178.00 1031 178.00 1031 1030 1030 1030 1030 1031 1030 1030 1030 1030 1030 1030 1030 1030 1030 1030 1030 1030 10300 1030 1030 10	1-May	00:60	614533	59	4573.7	0.9	4758.10	0	126.00	1.0	1.40	18	2.00	0.70	381.00	1.20	GS
0 0 1	2-May	00:60	614592	59	4574.6	0.9	4758.10	0	125.00	1.0	1.40	16	6.00	0.77	379.80	0.80	GS
0 0 1 4 7 1 4 7 1 4 7 1 4 7 1	3-May	00:60	614651	57	4575.5	0.9	4758.10	0	124.00	1.0	1.48	10	0.00	0.90	379.00	1.00	GS
6000 61479 91 477.8 1.4 4758.10 0 112.00 1.5 1.68 9.6 4.00 0.87 377.80 1 6000 61490 38 457.1 1.3 4758.10 0 117.00 1.5 1.66 6.00 0.88 377.80 1 6000 61307 88 4581 1.3 4758.10 0 117.00 1.5 1.44 80 1.2 0 377.60 1.2 375.60 0 377.60 0 377.60 0 377.60 0 377.60 1.2 375.81 0 173.60 1.5 1.20 86 6.00 0.88 377.60 1.2 375.60 1.2 375.60 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.80 1.2 375.8	4-May	00:60	614708	91	4576.4	1.4	4758.10	0	123.00	1.0	1.63	10/100	########	0.98	378.00	1.40	dh
6000 614300 58 45702 0.9 4758.10 0 119.50 15 1.66 90 0.73 374.80 0 00000 614303 59 4580.1 0.9 4758.10 0 118.50 15 1.66 90 0.20 0.373 374.80 0 00000 613055 60 4582.1 0.9 4758.10 0 113.50 15 1.44 80 2.00 0.87 371.40 0 00000 613045 91 4585.1 14 478.10 0 113.00 15 14 80 2.00 0.97 377.80 1 00000 615345 61 4788.10 0 113.00 15 14 778.10 0 113.01 178 478.80 173.80 173.80 173.80 173.80 173.80 173.80 174 173 173 173 173 173 173 173.80 173.80 173.80 173.80 </td <td>5-May</td> <td>00:60</td> <td>614799</td> <td>91</td> <td>4577.8</td> <td>1.4</td> <td>4758.10</td> <td>0</td> <td>122.00</td> <td>2.5</td> <td>1.68</td> <td>96</td> <td>4.00</td> <td>0.87</td> <td>376.60</td> <td>1.80</td> <td>db</td>	5-May	00:60	614799	91	4577.8	1.4	4758.10	0	122.00	2.5	1.68	96	4.00	0.87	376.60	1.80	db
0600 61494 59 4380.1 0.9 4758.10 0 118.70 15 1.66 90 0.00 083 377.60 1 06900 615057 68 4381 1.3 4758.10 0 117.700 1.5 1.45 78 2.00 0.81 377.60 1.1 06900 615307 58 4585.3 1 4 475 1.40 0 1.13 76 1.14 77 4.00 1.13 76 1.13 76 2.00 0.81 377.60 1.13 375.61 1.14 77 4.00 1.14 77 4.00 1.14 77 4.00 1.13 6.6 4.00 1.13 375.61 1.13 375.61 1.14 375.61 1.14 375.61 1.14 375.61 1.14 375.61 1.13 375.61 1.14 375.61 1.13 375.61 1.14 375.61 1.14 375.61 1.14 375.61 1.14 37	6-May	00:60	614890	58	4579.2	0.9	4758.10	0	119.50	1.0	1.54	92	2.00	0.73	374.80	1.20	GS
0000 615007 68 4581 1.3 4758.10 0 117.00 1.5 1.5 1.5 0.00 0.88 377.80 0 0000 615075 50 4581.3 0.9 4758.10 0 115.50 1.5 1.4 78 2.00 0.87 371.40 0 06900 615155 59 4584.1 1.4 4758.10 0 111.30 1.4 77 4.00 1.12 360.60 203 376.60 1.2 366.60 0.88 375.80 1.2 376.81 1.2 375.81 0 111.30 1.14 77 400 1.23 66.0 1.93 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 366.60 1.23 <th< td=""><td>7-May</td><td>00:60</td><td>614948</td><td>59</td><td>4580.1</td><td>0.9</td><td>4758.10</td><td>0</td><td>118.50</td><td>1.5</td><td>1.66</td><td>96</td><td>4.00</td><td>0.82</td><td>373.60</td><td>0.80</td><td>SS</td></th<>	7-May	00:60	614948	59	4580.1	0.9	4758.10	0	118.50	1.5	1.66	96	4.00	0.82	373.60	0.80	SS
0600 61505 60 438.13 0.9 4738.10 0 115.30 1.5 1.43 78 2.00 0.87 3.14.40 0 0600 615115 59 4583.2 1.9 4758.10 0 113.50 1.5 1.47 72 4.00 1.97 365.60 1 0600 615347 58 4386.5 1.4 4758.10 0 111.00 2.01 1.47 72 4.00 1.97 365.60 1 06500 61543 58 4585 0.9 4758.10 0 110.00 2.01 1.47 72 4.00 1.97 365.60 1 06500 61543 59 4590.1 0.9 1738.10 0 109.00 1.01 1.07 459.4 1.03 365.60 1.03 375.60 1.03 375.60 1.03 375.60 1.03 1.04 0 1.12 1.04 1.03 1.12 1.04 1.00 1.12 </td <td>8-May</td> <td>00:60</td> <td>615007</td> <td>88</td> <td>4581</td> <td>1.3</td> <td>4758.10</td> <td>0</td> <td>117.00</td> <td>1.5</td> <td>1.50</td> <td>86</td> <td>6.00</td> <td>0.88</td> <td>372.80</td> <td>1.40</td> <td>GS</td>	8-May	00:60	615007	88	4581	1.3	4758.10	0	117.00	1.5	1.50	86	6.00	0.88	372.80	1.40	GS
0600 61515 59 4583.2 0.9 4758.10 0 113.30 1.5 1.45 7.8 4.00 1.12 305.00 2.00 0.81 370.60 1.12 305.00 2.00 0.81 370.60 1.12 305.00 2.00 0.81 370.60 1.12 305.00 2.01 305.00	9-May	00:60	615095	60	4582.3	0.9	4758.10	0	115.50	0.5	1.44	80	2.00	0.87	371.40	0.80	GS
0600 61214 92 4384.1 1.4 4738.10 0 113.50 1.5 1.23 7.6 4.00 1.12 365.60 1.2	10-May	<u> </u>	615155	59	4583.2	0.9	4758.10	0	115.00	1.5	1.45	78	2.00	0.81	370.60	1.00	GS
06:00 61:306 91 438.5 1.4 473.810 0 112.00 1.0 1.14 7.2 4.00 2.01 357.60 1 06:00 61:337 58 4386.5 0.9 4738.10 0 110.00 2.0 1.43 365.60 1.97 365.60 1	11-May	00:60	615214	92	4584.1	1.4	4758.10	0	113.50	1.5	1.23	76	4.00	1.12	369.60	2.00	BH
06:00 61337 58 438.69 0.9 4738.10 0 111.00 2.0 1.43 6.8 4.00 1.37 366.20 3 06:00 615435 58 43901 0.9 4738.10 0 109.00 1.0 1.39 66 4.00 1.23 355.60 3 06:00 615643 59 45901 0.9 4738.10 0 107.00 2.0 1.39 535.40 355.60 355.60 3 361.80 365.40 355.60 355.60 361.8	12-May		615306	91	4585.5	1.4	4758.10	•	112.00	1.0	1.14	72	4.00	2.01	367.60	1.40	BH
08:00 613455 88 4357.8 1.4 4758.10 0 109.00 1.0 1.39 64 2.00 0.90 355.60 2 08:00 615543 61 43921 1.9 4758.10 0 105.00 1.67 62 4.00 0.34 365.60 2 08:00 615663 90 4391 1.9 4758.10 0 106.00 2.5 1.45 58 4.00 0.33 361.80 365.60 355.60 365.60 365.60 365.60 365.60 365.60 365.60 365.60 1.22 365.40 1.22 365.40 1.22 365.40 355.40	13-May		615397	58	4586.9	0.9	4758.10	0	111.00	2.0	1.43	68	4.00	1.97	366.20	0.60	dh
08:00 61:543 61 4589.2 09 4758.10 0 108.00 10.7 62 4.00 0.74 363.60 08:00 615664 39 45901 09 4758.10 0 107.00 2.0 137 54 4.00 1.22 353.60 1 08:00 615653 30 4591 13 4758.10 0 107.00 2.0 1.94 56 44 4.00 1.93 364.00 366.40 <td>14-May</td> <td></td> <td>615455</td> <td>88</td> <td>4587.8</td> <td>1.4</td> <td>4758.10</td> <td>0</td> <td>109.00</td> <td>1.0</td> <td>1.39</td> <td>64</td> <td>2.00</td> <td>0.90</td> <td>365.60</td> <td>2.00</td> <td>GS</td>	14-May		615455	88	4587.8	1.4	4758.10	0	109.00	1.0	1.39	64	2.00	0.90	365.60	2.00	GS
06:00 615604 59 45901 09 4758.10 0 107.00 2.0 1.48 58 4.00 1.22 362.80 06:00 615653 90 4591 1.4 4758.10 0 105.00 1.0 1.37 54 4.00 0.93 361.80 06:00 615733 124 4594.3 1.5 4758.10 0 102.00 2.5 1.55 4.4 4.00 0.93 361.80 355.40 365.40 365.40 355.40 375.80 355.40 376.40 <t< td=""><td>15-May</td><td></td><td>615543</td><td>61</td><td>4589.2</td><td>0.9</td><td>4758.10</td><td>0</td><td>108.00</td><td>1.0</td><td>1.67</td><td>62</td><td>4.00</td><td>0.74</td><td>363.60</td><td>0.80</td><td>đħ</td></t<>	15-May		615543	61	4589.2	0.9	4758.10	0	108.00	1.0	1.67	62	4.00	0.74	363.60	0.80	đħ
08:00 615653 90 4591 1.4 4758.10 0 105.00 1.3 54 4.00 0.93 56.180 08:00 615733 124 4592.4 1.9 4758.10 0 109.00 2.5 1.55 54 4.00 1.93 361.80 08:00 615877 104 4594.3 1.3 4758.10 0 99.50 1.5 4.40 1.18 360.40 3554.0 08:00 61638 89 4597.1 1.3 4758.10 0 99.50 1.5 1.55 4.40 0.93 3554.0 08:00 61647 89 4597.1 1.4 4758.10 0 99.50 1.5 1.55 1.55 4.00 0.93 355.40 357.40 08:00 616470 89 4598.1 1.4 4758.10 0 99.50 1.13 241.00 0.93 357.40 357.40 08:00 616370 91 4758.10 0	16-May	1	615604	59	4590.1	0.9	4758.10	0	107.00	2.0	1.48	58	4.00	1.22	362.80	1.00	đ
06:00 61573 124 4592.4 1.9 4738.10 0 104.00 2.0 1.09 5.0 6.00 1.18 360.40 2 06:00 615877 104 4594.3 1.5 4738.10 0 102.00 2.5 1.56 44 4.00 1.02 358.40 355.40 06:00 616387 104 4594.3 1.5 4758.10 0 99.50 1.5 1.52 40 4.00 1.03 355.40 06:00 616373 297 40 4758.10 0 92.00 2.0 1.34 35 40 0.93 355.40 06:00 616373 297 4601.6 0.4 4758.10 0 92.00 2.0 1.38 24100 2.93 353.40 352.40 06:00 616373 299 4601.6 0.4 4758.10 0 92.00 2.0 1.38 24100 2.93 364.40 350.20 352.40 366.40 <td>17-May</td> <td>_</td> <td>615663</td> <td>90</td> <td>4591</td> <td>1.4</td> <td>4758.10</td> <td>0</td> <td>105.00</td> <td>1.0</td> <td>1.37</td> <td>54</td> <td>4.00</td> <td>0.93</td> <td>361.80</td> <td>1.40</td> <td>ß</td>	17-May	_	615663	90	4591	1.4	4758.10	0	105.00	1.0	1.37	54	4.00	0.93	361.80	1.40	ß
08:00 615877 104 4594.3 15 4758.10 0 102.00 25 1.56 44 4.00 1.02 358.40 2 08:00 615981 77 4595.8 1.3 4758.10 0 99.50 1.5 1.52 40 4.00 0.93 355.40 08:00 616038 89 4597.1 1.3 4738.10 0 95.00 1.5 1.52 400 0.93 355.40 355.40 355.40 356.40 356.40 356.40 355.40 356.40 356.40 3	18-May		615753	124	4592.4	1.9	4758.10	0	104.00	2.0	1.09	50	6.00	1.18	360.40	2.00	dh
08:00 61:591 77 4395.8 1.3 4758.10 0 99:50 1.52 40 4.00 0.93 355.40 08:00 616058 89 4597.1 1.3 4758.10 0 98:00 1.5 1.52 1.50 32 4,00 0.93 355.40 08:00 616147 89 4598.4 1.4 4758.10 0 94:00 1.5 1.50 32 4,00 0.93 355.40 08:00 616325 29 4601.6 0.4 4758.10 0 94:00 1.61 32 4,00 0.93 355.40 08:00 616373 29 4601.6 0.4 4758.10 0 92.00 1.18 28 4.00 0.93 355.40 08:00 616373 29 4601.2 0.9 4758.10 0 92.00 1.13 78 44.00 0.93 345.40 08:00 616510 89 4601 1.4	19-May		615877	104	4594.3	1.5	4758.10	0	102.00	2.5	1.56	44	4.00	1.02	358.40	2.00	đh
09:00 616058 89 4597.1 1.3 4758.10 0 98.00 1.3 1.3 4.758.10 0 98.00 1.3 1.3 4.00 0.88 355.40 09:00 616147 89 4598.4 1.4 4758.10 0 94.50 1.3 1.3 24.00 0.93 355.40 09:00 616335 2.9 4601.6 0.4 4758.10 0 94.50 2.0 1.43 28 4.00 0.93 355.40 09:00 616335 2.9 4601.6 0.4 4758.10 0 92.50 2.0 1.43 28 4.00 0.93 355.40 09:00 616470 90 4603.8 1.4 4758.10 0 92.00 1.2 1.42 875.40 1.2 241.40 0 93 344.40 09:00 616710 89 4606.5 1.4 4758.10 0 85.50 0.5 1.41 82 4.00 <td< td=""><td>20-May</td><td></td><td>615981</td><td>11</td><td>4595.8</td><td>1.3</td><td>4758.10</td><td>0</td><td>99.50</td><td>1.5</td><td>1.52</td><td>40</td><td>4.00</td><td>0.93</td><td>356.40</td><td>1.00</td><td>GS</td></td<>	20-May		615981	11	4595.8	1.3	4758.10	0	99.50	1.5	1.52	40	4.00	0.93	356.40	1.00	GS
08:00 616147 89 4598.4 1.4 4758.10 0 96.00 1.5 1.50 32 4.00 0.93 353.80 08:00 616333 29 4601.6 0.4 4758.10 0 94.50 2.0 1.43 28 4.00 0.93 353.40 08:00 616333 29 4601.6 0.4 4758.10 0 92.50 0.5 1.38 24/100 2.00 0.92 350.40 08:00 616373 28 4602.1 1.4 4758.10 0 92.50 2.0 1.43 28 350.20 08:00 616470 90 4603.4 1.4 4758.10 0 92.00 1.25 94 4.00 0.83 350.20 08:00 61651 59 4606.2 0.9 4758.10 0 8750 200 1.41 87 4.00 0.83 350.20 08:00 61651 59 4606.2 0.9 4	21-May		616058	89	4597.1	1.3	4758.10	0	98.00	2.0	1.34	36	4.00	0.88	355.40	1.60	GS
09:00 616236 117 459.8 1.8 4758.10 0 94.50 2.0 1.43 2.8 4.00 0.91 352.40 1 09:00 616333 29 4601.6 0.4 4758.10 0 92.50 0.5 1.38 24/100 2.00 0.92 350.40 1 08:00 616332 88 4602 1.4 4758.10 0 92.50 1.38 24/100 2.00 0.92 350.40 1 08:00 616470 90 4603.4 1.4 4758.10 0 92.00 1.0 1.25 94 4.00 0.88 350.20 08:00 616561 59 4604.8 1.4 4758.10 0 87.50 1.25 94 4.00 0.88 34.40 08:00 616561 59 4607.1 1.4 4758.10 0 87.50 1.41 82 4.00 0.85 347.40 08:00 61671 1.4	22-May	_	616147	89	4598.4	1.4	4758.10	0	96.00	1.5	1.50	32	4.00	0.93	353.80	1.40	GS
09:00 616353 29 4601.6 0.4 4758.10 0 92.50 0.5 1.38 24/100 2.00 0.92 350.40 09:00 616382 88 4602 1.4 4758.10 0 92.00 2.0 1.18 98 4.00 0.83 350.20 09:00 616470 90 4603.4 1.4 4758.10 0 92.00 1.0 1.25 94 4.00 0.83 350.20 09:00 61651 59 4606.2 0.9 4758.10 0 87.50 2.0 1.45 86 4.00 0.85 347.40 09:00 61651 59 4606.2 0.9 4758.10 0 87.50 2.0 1.41 82 4.00 0.95 347.40 09:00 61651 89 4608.5 1.3 4758.10 0 87.50 2.02 1.41 82 4.00 0.95 347.40 09:00 616518 24	23-May		616236	_	4599.8	1.8	4758.10	0	94.50	2.0	1.43	28	4.00	0.91	352.40	2.00	GS
05:00 616382 88 4602 1.4 4758.10 0 92.00 1.18 98 4.00 0.88 350.20 05:00 616470 90 4603.4 1.4 4758.10 0 90.00 1.0 1.25 94 4.00 0.88 38.40 09:00 616560 91 4604.8 1.4 4758.10 0 89.00 1.25 94 4.00 0.85 347.20 09:00 61651 59 4606.2 0.9 4758.10 0 87.50 2.0 1.41 82 4.00 0.85 347.40 09:00 61651 89 4608.5 1.3 4758.10 0 85.50 0.5 1.41 82 4.00 0.95 347.40 09:00 616517 89 4608.5 1.3 4758.10 0 85.50 0.5 1.41 82 4.00 0.95 347.40 09:00 616518 29 4608.5 1.3 </td <td>24-May</td> <td></td> <td>616353</td> <td>29</td> <td>4601.6</td> <td>0.4</td> <td>4758.10</td> <td>0</td> <td>92.50</td> <td>0.5</td> <td>1.38</td> <td>24/100</td> <td>2.00</td> <td>0.92</td> <td>350.40</td> <td>0.20</td> <td>Чþ</td>	24-May		616353	29	4601.6	0.4	4758.10	0	92.50	0.5	1.38	24/100	2.00	0.92	350.40	0.20	Чþ
09:00 616470 90 4603.4 1.4 4758.10 0 90:00 1.0 1.25 94 4.00 0.89 348.40 09:00 616560 91 4604.8 1.4 4758.10 0 89:00 1.5 1.22 90 4.00 0.85 347.20 09:00 616651 59 4606.2 0.9 4758.10 0 87.50 2.0 1.41 82 4.00 0.91 345.40 09:00 616719 89 4607.1 1.4 4758.10 0 85.50 0.5 1.41 82 4.00 0.96 344.40 09:00 616719 89 4608.5 1.3 4758.10 0 85.50 0.5 1.41 82 4.00 0.95 345.40 09:00 616818 2.9 4608.5 1.3 4758.10 0 155.00 1.13 78 2.00 1.11 402.40 09:010 616818 2.9 <td< td=""><td>25-May</td><td></td><td>616382</td><td></td><td>4602</td><td>1.4</td><td>4758.10</td><td>0</td><td>92.00</td><td>2.0</td><td>1.18</td><td>98</td><td>4.00</td><td>0.88</td><td>350.20</td><td>1.80</td><td>BH</td></td<>	25-May		616382		4602	1.4	4758.10	0	92.00	2.0	1.18	98	4.00	0.88	350.20	1.80	BH
09:00 616560 91 4604.8 1.4 4758.10 0 89:00 1.5 1.22 90 4.00 0.85 347.20 09:00 616651 59 4606.2 0.9 4758.10 0 87.50 2.0 1.42 86 4.00 0.91 345.40 09:00 616710 89 4607.1 1.4 4758.10 0 85.50 0.5 1.41 82 4.00 0.91 345.40 09:00 616719 89 4608.5 1.3 4758.10 0 85.50 0.5 1.41 82 4.00 0.96 34.40 09:00 616317 2.0 4758.10 0 159.00 1.01 1.25 76 2.00 1.11 402.80 09:00 616818 2.0 4758.10 0 158.90 1.47 74 2.00 1.11 402.80 09:00 616917 2.0 1.2 1.47 74 74 0.95<	26-May				4603.4	1.4	4758.10	0	90.00	1.0	1.25	94	4.00	0.89	348.40	1.20	
00:00 616651 59 4606.2 0.9 4758.10 0 87.50 2.0 1.42 86 4.00 0.91 345.40 09:00 616710 89 4607.1 1.4 4758.10 0 85.50 0.5 1.41 82 4.00 0.96 344.40 09:00 616799 89 4608.5 1.3 4758.10 0 85.00/160 84.0 1.13 78 2.00 1.11 402.80 09:00 616917 74 4758.10 0 158.90 1.0 1.25 76 2.00 1.11 402.80 09:00 616917 74 74 74 74 9.9 402.40 09:01 61691 79 76 2.00 1.11 402.80 09:02 61691 79 76 2.00 1.11 402.40 11 73 2355 76 2.00 1.11 402.40 79 77	27-May			91	4604.8	_	4758.10		89.00	1.5	1.22	8	4.00	0.85	347.20	1.80	Чþ
09:00 616710 89 4607.1 1.4 4758.10 0 85.50 0.5 1.41 82 4.00 0.96 344.40 09:00 616799 89 4608.5 1.3 4758.10 0 85.00/160 84.0 1.13 78 2.00 1.13 342.8/40 09:00 616818 29 4609.8 0.4 4758.10 0 159.00 1.0 1.25 76 2.00 1.11 402.80 09:00 616917 4610.2 4758.10 0 158.90 1.0 1.25 76 2.00 1.11 402.80 09:00 616917 4610.2 4758.10 0 158.90 1.47 74 2.00 1.11 402.80 09:01 616917 4610.2 4758.10 0 158.90 1.47 74 2.00 1.11 402.40 10:0 79 76 2.01 1.14 74 74 2.2.55 402.40	28-May			59	4606.2	0.9	4758.10	0	87.50	2.0	1.42	86	4.00	0.91	345.40	1.00	đh
00:00 616799 89 4608.5 1.3 4758.10 0 85.00/160 84.0 1.13 78 2.00 1.13 342.8/404 09:00 616888 29 4609.8 0.4 4758.10 0 159.00 1.0 1.25 76 2.00 1.11 402.80 09:00 616917 4610.2 4758.10 0 158.90 1.0 1.25 76 2.00 1.11 402.80 09:00 616917 4610.2 4758.10 0 158.90 1.47 74 74 0.95 402.40 09:01 79 79 74 74 74 74 74 74 79 79 76 2.00 1.41 74 74 74 74 74 79 79 76 1.46.50 76 2.01 0.99 79 74 79 74 74 74 74 74 74 74 74	29-May			_	4607.1	1.4	4758.10	_	85.50	0.5	1.41	82	4.00	0.96	344.40		
09:00 616888 29 4609.8 0.4 4758.10 0 159.00 1.05 76 2.00 1.11 402.80 09:00 616917 4610.2 4758.10 0 158.90 1.047 74 0 0.95 402.40 09:00 616917 2355 4758.10 158.90 1.47 74 0 0.95 402.40 09:0 10 0 158.90 1.46.50 1 40 0 9.95 402.40 10 79 1 0 1 1 46.50 1	30-May		-		4608.5		4758.10		85.00/160	84.0	1.13	78	2.00	1.13	342.8/404	1.20	HQ
09:00 616917 4610.2 4758.10 158.90 1.47 74 0.95 09:00 2355 0	31-May				4609.8	_	4758.10		159.00	1.0	1.25	76	2.00	1.11	402.80	0.40	HQ
2355 0 46.50 79 0 1.41 124 0 1.68 29 0 1.09	1-Jun				4610.2		4758.10		158.90		1.47	74		0.95	402.40		HQ
2355 0 46.50 79 0 1.41 124 0 1.41 29 0 1.09							_										
79 0 1.41 124 0 1.68 29 0 1.09	TOT			2355				0			46.50			32.56			
124 0 1.68 29 0 1.09	AVE			62				•			1.41			0.99			
	MAX		-	124	4	1		0			1.68			2.01			
1 - VI	MIN			295				0			1.09			0.70			
				1	J		i i										

DAILY DISTRIBUTION MONITORING REPORT

VILLAGE OF POPLAR GROVE D FOR THE MONTH OF MAY 2024 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES

	Well#5-6	0.64	0.55	0.59	0.61	0.58	0.58	0.64	0.72	0.66	0.72	0.72	0.71	0.77	0.62	0.63	0.63	0.62	0.68	0.68	0.61	0.57	0.58	0.73	0.62	0.58	09.0	0.66	0.62	0.80	0.63	0.60	
.81	Well #4	0,60	0.76	0.71	0.70	0.58	0.76	0.68	0.76	1.10	1.40	0.77	1.10	0.91	0.80	0.89	0.86	0.75	0.60	0.69	0.65	0.62	0.73	0.59	0.78	0.89	0.63	0.72	0.69	0.60	0.79	0.69	
Flouride Analysis	Well #3	1.20	1.00	0.68	1.40	1.40	0.97	0.90	0.24	0.56	0.76	1.20	1.20	1.20	0.84	0.63	0.70	0.53	0.47	0.45	0.63	0.58	0.63	0.61	0.52	0.50	0.43	0.46	0.49	0.51	0.50	0.61	
Flour	Well #2																																
	· _	103%	103%	103%	103%	103%	103%	100%	100%	100%	100%	100%	100%	100%	106%	106%	106%	106%	106%	106%	106%	97%	97%	97%	%16	9/6/6	97%	97%	94%	94%	94%	94%	
	ls or	GS	GS	GS	GS		GS	GS	GS	GS	GS			Чþ	GS	dh	dh	GS			GS	GS	GS	GS	dh				ΡΗ		DH	HU	
1	P04 0	1.2	0.91	1.23			1	1.19	1.25	1.16	1.02			2.33	1.47	1.32	1.18	0.99			1.21	1.01	1.61	1.08	1.55				0.99	1.24	1.56	1	-
South System (Wells 5 & 6)	Total Cl ₂																																
n System (V	Free Cl ₂	1.43	1.37	1.38			1.06	1.36	1.2	1.22	1.37			0.99	0.87	1.01	0.97	1.2			1.26	0.96	1.42	0.92	0.89				1.17	1.15	0.83	0.92	-
South	Site #	Tower	GC	Tower			gc	Tower	GC	Tower	gc			tower	GC	tower	tower	GC			Tower	gc	Tower	GC	tower				GC	Tower	Tower	gc	
-	PO4	1.21	1.43	1.5	1.12		1.12	1.21	1.48	1.17	1.26			2	1.7	1.5	1.53	2.17			1.59	1.72	1.24	1.49	1.67				1.45	1.72	1.61	1.32	
stem (Well 4)	Total Cl ₂	-																															_
West System	Free Cl ₂	1.22	0.84	0.78			1.18	0.94	0.91	1.26	0.88			0.75	0.74	0.33	0.48	0.81			0.93	0.82	1.16	0.69	0.57				0.27	0.2	0.8	1.3	
M	Site #	OL	Gas	Garage			OL	Gas	garage	TO	Gas			tower	Garage	gas	Garage	OL			Gas	Garage	OL	Gas	tower				tower	Gas	OL	GAS	
	PO4	1.79	1.34	1.38	1.65		1.65	1.3	0.74	1.59	1.13			1.47	1.54	1.09	1.57	1.28			1.47	1.68	2.13	1.12	1.57				1.65	1.17	1.23	1.36	-
North System (Wells 2 & 3)	Total Cl ₂		1																														
h System ()	Free Cl ₂	0.88	1.04	1.98			0.84	1.00	1.44	0.72	1.38			0.62	1.01	1.04	0.62	1.01			1.4	0.92	1.02	0.9	0.77				0.51	0.41	0.5		G
North	Site #	Village	FH	school			Village	FH	school	Village	school			Village	FH	school	Village	FH			school	Village	FH	school	Village				Village	PW	FH	Village	_
	Date	-	2	m	4	s	T	7	~	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

ltem 5.



To: The Village President and Board of Trustees

From: Chris Dopkins, P.E., Village Engineer

Re: Tennis Court Rehabilitation

Date: July 11, 2024

Please allow this memorandum to follow up the discussions of the June 19th Board Meeting regarding the repair of the tennis courts. Pursuant to those discussions, staff has obtained a formal proposal from Midwest Sports Surfaces and prepared a resolution to retain Midwest Sports Surfaces, LLC to complete the rehabilitation, copy attached to this memorandum. Assuming approval on July 19th, we reasonably expect the work to be complete by September 6th as outlined in the proposal.

Please do not hesitate to contact me at 636-9590 if I may provide additional assistance.



A RESOLUTION OF THE VILLAGE OF POPLAR GROVE RESOLVING TO RETAIN MIDWEST SPORTS SURFACES, LLC FOR REHABILITATION OF THE TENNIS COURTS AT VILLAGE HALL

WHEREAS, the tennis courts located at Village Hall require rehabilitation; and

WHEREAS, the Village of Poplar Grove ("Village") received proposals for the rehabilitation work and recommends that the Village retain Midwest Sports Surfaces, LLC to complete the rehabilitation; and

WHEREAS, the rehabilitation will cost in excess of \$25,000 and pursuant to Village Code Section 1-10-4 and by a two-thirds (2/3) vote of the corporate authorities, the Village hereby waives the public bid requirement for purchases exceeding \$25,000; and

WHEREAS, this is a Public Works Project subject to the Illinois Prevailing Wage Act and the Village will comply with said act as required by 820 ILCS Sec. 130/0.01 *et seq.*; and

WHEREAS, the Village has determined that it is in the best interest of its citizens to construct the improvements.

NOW THEREFORE BE IT RESOLVED, by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois that by the adoption of this Resolution:

- 1. The above recitals are incorporated herein and made part hereof.
- 2. The Village hereby waives the requirement to publicly bid the rehabilitation of the tennis courts by a two-thirds majority vote.
- 3. The Village President and Village Clerk are hereby authorized to execute and attest a proposal with Midwest Sports Surfaces, LLC, and are further authorized to execute any document necessary to effectuate the intent set forth in this resolution.
- 4. The Village hereby approves a contingency of 10% of the sum of the contract values above to be used in the event that unforeseen circumstances arise during construction.
- 5. The proposal from Midwest Sports Surfaces is attached to and made part of this resolution.

The Village Clerk of Poplar Grove shall attest the same after the signature of the Village President.

Adopted this _____ day of July, 2024.

PASSED UPON MOTION BY _____

SECONDED BY _____

BY ROLL CALL VO	TE THIS	DAY OF		_, 2024
AS FOLLOWS:				
VOTING "AYE":				
Voting "Nay":				
ABSENT, ABSTAIN	, OTHER			
APPROVED	-			
			_,	
VILLAGE PRESIDE	NT			
ATTEST:				
VILLAGE CLERK				

MIDWEST SPORT SURFACES, L.L.C.

520 South Washington Street Westmont, Illinois 60559 639-852-9112 MWTennis1@aol.com

CONTRACT PROPOSAL

July 7, 2024

The Village of Poplar Grove 200 North Hill Street Poplar Grove, IL 61065

Attn: Mr. David Howe, Director of Public Works

We hereby propose to furnish all the materials and perform all the labor necessary for completion of

Surface Repair & Application of Color Coating System to 2 Tennis Courts

Project site: 200 Hill Street, Poplar Grove, IL 61065

Scope of work:

- A) Surface preparation
 - 1. Removal of existing loose color coating as necessary
 - 2. Power washing of surface
 - 3. Repair of surface & structural cracks:
 - a) Removal of debris from the cracks
 - b) Filling of cracks with Laykold NuSurf Acrylic
 - c) Leveling of repaired cracks with mechanical sander as necessary

- B) Installation of 2,000' of Armor Crack Control System
 - 1) Saw cut surface to control future progress of cracks
 - 2) Install ACCS over the repaired cracks & surface cuts
- C) Net posts & nets
 - Replacement of existing footings on designated tennis court with footings with PVC sleeves.

The other existing footings will remain as with a used net they may function as a temporary divider between the pickleball courts.

- 2) Provision & installation of:
 - a) Set of new tennis net posts & new net
 - b) 2 sets of new pickleball posts & 2 nets
- D) Application of Color Coating System:
 - 1) 1 coat of Laykold Acrylic Resurfacer leveling mix
 - 2) 1 coat of Laykold NuSurf Primer / Resurfacer
 - 3) 2 coats of elastic Laykold ColorFlex Concentrate.

Owner will select 2 color combo from Laykold Standard Colors chart

- 4) Painting of lines 1 tennis & 2 pickleball courts
 - i) Layout and taping of the lines
 - ii) Application of 1 coat of LinePrime
 - iii) Application of 2 coats of white textured paint that will match the new court surface
 - iv) Customer will select the color of pickleball lines

Total	\$53,700.00
Retainer due on acceptance	\$10,000.00
Balance due on completion	\$43,700.00

Other conditions:

Prevailing Wages will be p[aid in compliance with Illinois Labor Laws.

This project will begin as soon as possible & permitted by our schedule.

For practical reasons we request finish date of September 6, 2024.

Labor & materials guarantee excludes normal wear and tear, damage done due to physical abuse, neglect, failure to maintain, act of nature and other conditions beyond our control.

Materials are also guaranteed to match or exceed ASBA Standards. All work to be performed in accordance with submitted specifications and completed in a substantial workmanlike manner. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate.

All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are covered by Workman's Compensation Insurance.

This Proposal may be withdrawn if not accepted by July 25, 2024.

Respectfully submitted,

Paul E. Tulacka

Midwest Sport Surfaces, L.L.C.

Accepted by

Date



Contraction of the second seco

Sand-carved no1.Cedar. 7' x 3' Artwork optional. \$2835.00 + tax

Timber Line Sign Co.,h N3211 St. Rd.67 Lake Geneva, WI 5314 262-245-9898



To: The Village President and Board of Trustees

From: Chris Dopkins, P.E., Village Engineer

Re: Source Water Protection Plan

Date: July 9, 2024

Attached to this memorandum are the Source Water Protection Plans for the Village's review and approval. The Village has three (3) separate water systems, and to eliminate any confusion at IEPA a separate report was created for each system. Most of the information in Sections I – IIIA reads the same as it is applicable to all of the Village's source water. Information in subsequent sections then is specific to each of the three systems.

Generally, the reports concluded as follows:

- The Village draws its source water from shallow sand and gravel wells which, by their very nature tend to be a bit more susceptible to potential contamination. However, there were few known sources of potential contamination in proximity to the wells.
- Laboratory data for raw and finished water did not contain results outside of MCLs.
- While there are action items that need to be taken, they are rather minimal and include:
 - Contingency planning such that the Village has responses ready in the case of an emergency.
 - Continue to monitor the Village's cross connection control program, as well as monitor its own cross connection ordinance to make sure it's up to date.
 - Continue to evaluate additional source water protection options (i.e., enforcement of current ordinances requiring connection to the water system, enact reasonable zoning in wellhead protection areas, etc.).
 - Modify existing setback ordinances for certain wells to 1,000 feet.
 - In the north system, map the recharge area of Well #3.

There are two other findings in the reports that we'd like to highlight for the Board. First, all of the wells in the Village's system draw water from the same geologic formations. While some of the recharge areas differ, the source water comes from the same formation meaning that the operations staff should continue to be vigilant in monitoring water quality. The second is that there are two wells in close proximity meaning that (1) their recharge area is essentially the same; and (2) maintenance measures for those wells are limited to mechanical means only.

Attached to this memorandum is a resolution that adopts the reports for consideration and approval at the July 17th meeting. If changes are made by the Board, we will update the language accordingly. As a reminder, the reports are due to IEPA by July 29th.

Please feel free to contact me at 815-636-9590 with any questions or concerns.

Item 9.

RESOLUTION 2024-17

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT THE VILLAGE'S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois ("Village") is required to develop a Source Water Pollution Protection Plan ("SWPP"); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village has completed a SWPP for each of the Village's three (3) water systems and desires to formally adopt each of the plans; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt the SWPP as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

- 1. The above recitals are incorporated herein and made part hereof.
- 2. The SWPP for the Village's three (3) water systems are hereby adopted by the Village and the Village Engineer is directed to submit the reports to the IEPA by July 29, 2024.

PASSED UPON MOTION BY
SECONDED BY
BY ROLL CALL VOTE THIS DAY OF, 2024
AS FOLLOWS:
VOTING "AYE":
VOTING "NAY":
ABSENT, ABSTAIN, OTHER

APPROVED_____, 2024.

VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK:_____

Engineering Report

Source Water Protection Plan North Water System



Prepared for The VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

July 2024 McM. No. P0013 07-24-00111



Engineering Report

Engineering Report

Source Water Protection Plan North Water System



Prepared for The

VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC. MACHESNEY PARK, ILLINOIS

July 2024 McM. No. McM. No. P0013 07-24-00111

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 - A. Commitment to Protecting Source Water
 - B. Community Water Supply's Resources
 - C. Barriers for Protection of Source Water
 - D. Team Members
- III. SOURCE WATER ASSESSMENT
 - A. Importance of Source Water
 - B. List of Water Supplies
 - C. Delineation of Sources
 - a. Groundwater
 - D. Source Water Quality
 - a. Local Source Water Quality Monitoring
 - b. Finished Water Quality

Engineering Report

- E. Potential Sources of Contamination
 - a. Wells Groundwater Source Inventory
- F. Susceptibility to Contamination
- G. Existing Source Water Protection
- IV. SOURCE WATER PROTECTION PLAN OBJECTIVES
- V. ACTION PLAN

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Table #4Potential Sources of Contamination in Well #2 and #3

<u>Appendix</u>

- Appendix A Vision Statement Resolution
- Appendix B Well Logs
- Appendix C PFAS Summary
- Appendix D Aquifer Geology
- Appendix E Factsheet

Engineering Report

Source Water Protection Plan North Water System



Prepared for The

VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC. MACHESNEY PARK, ILLINOIS

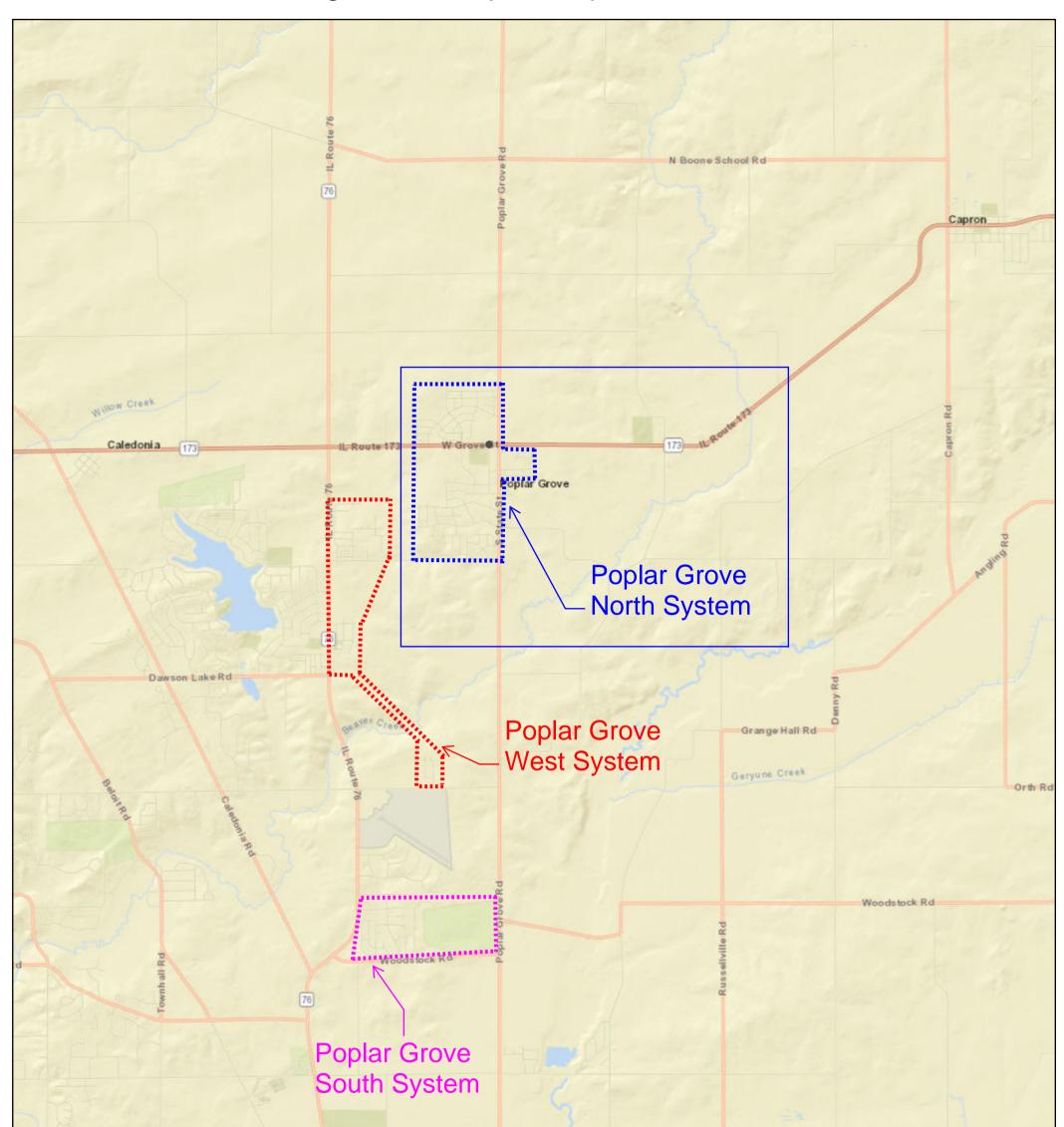
July 2024 McM. No. McM. No. P0013 07-24-00111

I. INTRODUCTION

The Village of Poplar Grove is located in Boone County, Illinois. Per the 2020 U.S. Census data, the Village has a population of 5,049 people. There are three drinking water systems in the Village of Poplar Grove, West, South and the North systems (Figure 1). This Source Water Protection Plan Report will focus on the North Water System. The sole source of water for the Poplar Grove North distribution system is groundwater.

Protecting the raw water supply has been increasingly recognized as a critical element in the overall mission of delivering a safe and reliable supply of drinking water to consumers. This Source Water Protection Plan has been developed by McMahon Associates, Inc. (McMAHON) on behalf of the Village of Poplar Grove in accordance with applicable regulations as part of an overall strategy to continue to provide reliable, quality drinking water. The program involves identifying potential risks

Figure 1 - Map of Poplar Grove, IL

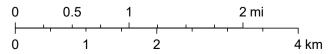




5/31/2024, 11:06:02 AM

USA Counties





Esri, HERE, Garmin, INCREMENT P, NGA, USGS

McMahon Associates, Inc. does not guarantee this information to t 55

The information is intended for use as a general reference and not intended or suitable for site-specific uses. Any use to the contrary of the stated uses is the responsibility of the user and such use is at the user's own

that could affect the drinking water supply and seeking to manage those risks, when possible, to maintain supply quantity and quality.

The Source Water Protection Plan has been prepared in accordance with 35 ILL. Admin. Code 604.300. The following elements are included in this plan:

- Vision statement
- Source water assessment
- Source water protection plan objectives
- Action plan

II. VISION STATEMENT

A. Commitment to Protecting Source Water

Source water protection implementation is a local effort that requires unwavering commitment every day. The Village of Poplar Grove's policy and commitment to protecting source water is reflected in the following Vision Statement developed by the Village of Poplar Grove's Source Water Protection team. The team includes Village President Don Sattler, Public Works Director David Howe, Village Trustees Dan Cheek, Owen Costanza, Austin Davies, Jeff Goings, Bruce Moore, and Elizabeth Straw, and Village's Contract Operator Test, Inc. The Board of Trustees passed a resolution confirming the Vision Statement. The Vision Statement resolution is attached in Appendix A.

The Village of Poplar Grove Community Water Supply Source Water Vision Statement is as follows:

The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for our customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure.

B. Community Water Supply's Resources

Source water protection and minimizing or eliminating contamination risks or threats is a fundamental part of providing safe drinking water to the public. In doing so, the Village is committed to providing a sustainable water system.

The Village resources to safeguard the water supply sources include a certified water operator, a financial commitment, and yearly planning and budgeting. This annual budget includes salaried staff, maintenance, and resource funds for drinking water supply related projects. Each year the Village carefully evaluates the infrastructure needs for safe water supply distribution and identifies priority projects to be completed for establishing the water utilities budget.

C. Barriers for Protection of Source Water

A multi-barrier approach is an integrated system of procedures, processes and tools that collectively prevent or reduce the contamination of drinking water from source to tap in order to reduce risks to public health. The multi-barrier approach involves several consecutive steps, including selection of high-quality source water(s), source water protection, water treatment, distribution system management and water quality monitoring.

The Village uses a multi-barrier approach to maintain, safeguard and improve water quality of the groundwater source water supplies. The muti-barrier approach for the groundwater supplies includes routine well maintenance, repair operations and continuous water quality monitoring, sampling and testing that meets state and federal drinking water standards. The Village has adopted minimum setback zones of 200-ft for all the wells. The minimum protection zone area is regulated by the Illinois EPA. The Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system to help reduce the pathways to groundwater sources.

The Village's wells are located outside of special flood hazard areas. If an extremely unusual flood event were to occur, sandbags and trash pumps can be used to protect the wellhead. The Village has adopted procedures for electrical, mechanical and distribution system failures which are all outlined in detail in the 2015 Contingency Plan for Emergency Preparedness, developed by the Village and previously submitted to the Illinois Environmental Protection Agency (IEPA).

D. Team Members

This Plan was developed by McMAHON on behalf of the Village of Poplar Grove in coordination with Village of Poplar Grove staff listed below. The requirements of the Illinois Administrative Code Title 35, Administrative Code, 604, Subtitle F, Subpart C, Subpart C: Source Water Protection Plan were used as guidance.

Name	Title	Phone Number	Email Address
Don Sattler	Village	815-765-3201	dsattler@villageofpoplargrove.com
	President		
Dan Cheek	Village Trustee	815-765-3201	dcheek@villageofpoplargrove.com
Owen	Village Trustee –	815-765-3201	ocostanza@villageofpoplargrove.com
Costanza	Administration		
	& Zoning Chair		
Austin Davies	Village Trustee	815-765-3201	adavies@villageofpoplargrove.com
Jeff Goings	Village Trustee –	815-765-3201	jgoings@villageofpoplargrove.com
	Finance & Public		
	Works Chair		
Bruce Moore	Village Trustee	815-765-3201	bmoore@villageofpoplargrove.com
Elizabeth	Village Trustee	815-765-3201	estraw@villageofpoplargrove.com
Straw			
David Howe,	Director of	815-765-3201	dhowe@villageofpoplargrove.com
Test Inc.	Public Works		
	Contract		
	Operator		

III. SOURCE WATER ASSESSMENT

A. Importance of Source Water

Water is the most essential resource for every community on Earth. Our everyday activities in our community directly and indirectly impact the rivers, streams and lakes in our regional watershed and those into which our wastewater plants discharge treated water.

Groundwater is the source of about 37 percent of the water that county and city water departments supply to households and businesses for public supply. It provides drinking water for more than 90 percent of the rural population who do not get their water delivered to them from a county/city water department or private water company. In addition, about 42 percent of the water used for irrigation comes from groundwater.

B. List of Water Supplies

The Village utilizes treated groundwater as the potable water supply source to service the community. The Village's North Water System is identified by the IEPA as Water System No. IL0070150. The North Water System utilizes two active community water supply wells (Well #3, WL00876 and Well #2, WL11314) which they both obtain water from a groundwater sand and

gravel aquifer. Well #2 and #3 provide approximately 80,605 gallons per day of water to 405 service connections or a population of 1,150 individuals.

Well #2 is located between South State Street and East Street and Well #3 is located along 173, between Hill Street and Summit Street. Both wells serve the residents living north of Whiting Road, Sherman Oaks, Burled Woods, Ravens Crest, and the main town. Well #2 is used as a backup to the North Water System. Well #3 backs up the West Water System. This serves as an interconnect between the North and West System. Refer to Figure 2 for a map displaying the well locations.

C. Delineation of Sources

a. Groundwater

The Village relies on groundwater supplies for potable water supply for the community and for emergency water supplies. Groundwater from the active well is obtained from bedrock within the Ordovician System, which includes the Galena group. Unconsolidated sand and gravel deposits are tapped for municipal water supplies for Well #2 and #3 at the Village of Poplar Grove. An ISGS well drilling logs with detailed geology can be found in Appendix B.

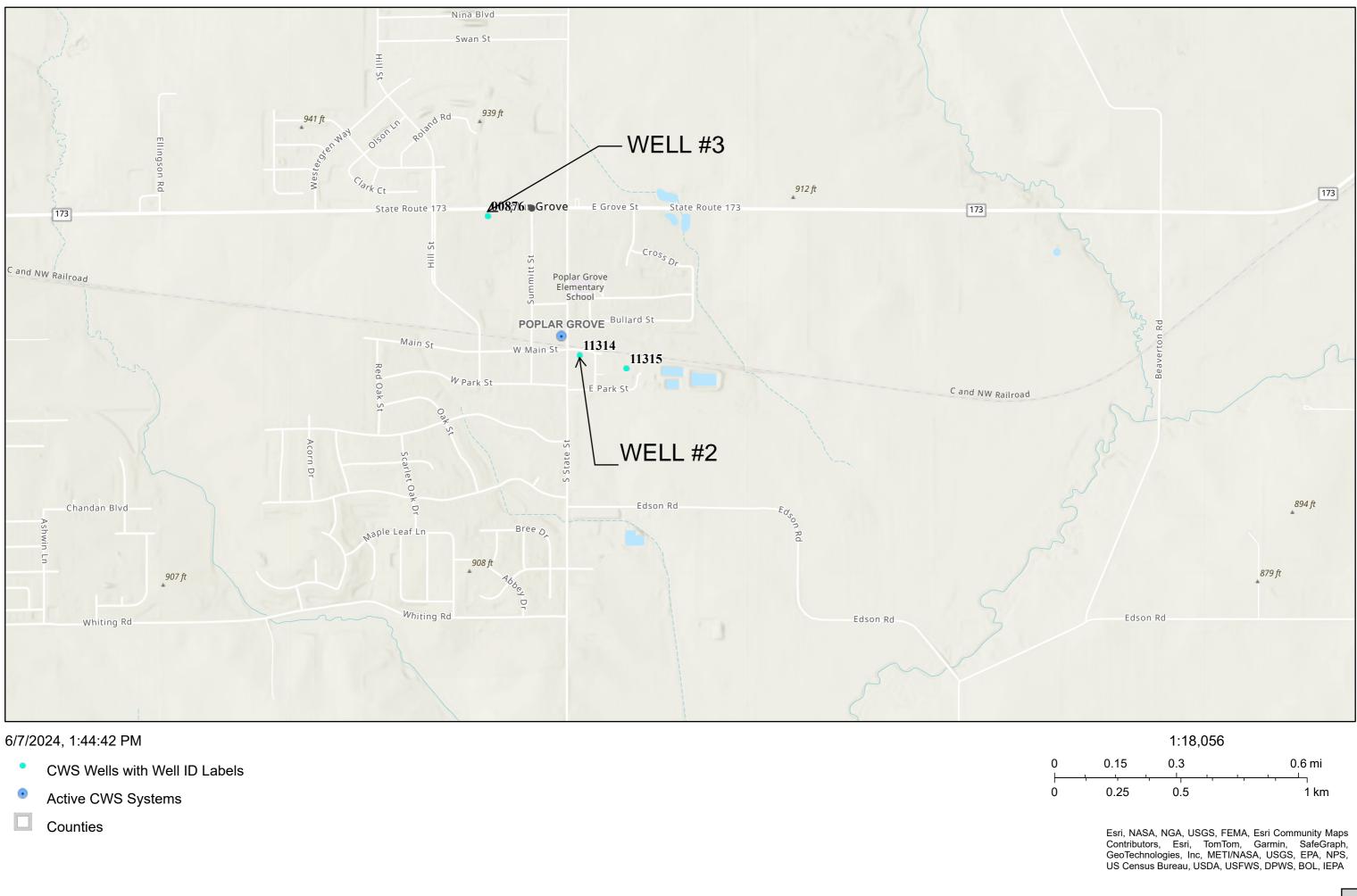
Well #2 has a minimum 200-ft. radius setback zone and a 1,000-feet maximum setback zone. Well #2 also has a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA source water assessment program (SWAP) mapping system. Well #3 has a minimum 400-ft. radius setback zone and no maximum setback zone. Well #3 also has a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA SWAP mapping system. Refer to Figure 3.

According to the 1986 Safe Drinking Water Act Amendments, groundwater recharge protection areas (GRPs) are identified as, "the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminations are reasonably likely to move toward and reach such water well or wellfield". Groundwater recharge protection areas are those land areas which contribute water to the pumping wells.

The potential for aquifer recharge at Wells #2 and #3 is classified as "Low potential for recharge" in the IEPA SWAP mapping system. According to the IEPA SWAP database, there are no regulated recharge areas, groundwater restriction ordinances or Class III Special Resource Groundwater areas near Well #2 and #3.

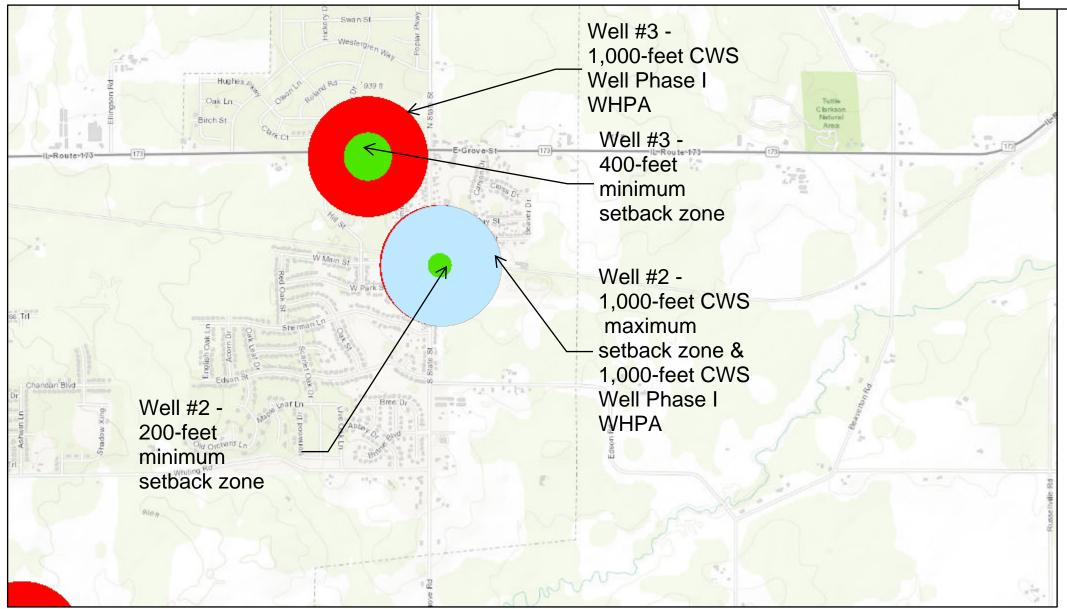
The major components of the water system are summarized in Table #1 below. The well construction logs are provided in Appendix B.

Figure 2 - North Water System



Web AppBuilder for ArcG 60

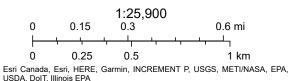
Figure 3 - Wellhead Protection



6/7/2024

- CWS Wells Minimum Setback Zone
- CWS Wells Maximum Setback Zone
- CWS Wells Phase1 WHPA
- CWS Wells Phase II WHPA

- NonCWS Wells Minimum Setback Zone
- NonCWS Wells Phase1 WHPA
- Class 3 Groundwater



Item 9.

<u>Table #1</u>
Historical Summary of the Wells Constructed
Village of Poplar Grove, Illinois

Water System	Well Description/ID No.	Year Constructed	Well Depth, ft	Aquifer Description	Well Status	Min Setback, feet	Max Zone, feet
North	No.3	1994	130	Sand &	Active	400	0
	(WL00876)			Gravel			
North	No.2	1940	184	Sand &	Active	200	1,000
	(WL11314)			Gravel			

D. Source Water Quality

a. Local Source Water Quality Monitoring

The groundwater pumped at Wells #2 and #3 (Water System IL0070150) is sampled by the Village and tested periodically by an accredited laboratory.

Table #2	
Summary of the Source Water Quality	
Village of Poplar Grove, Boone County, Illinois	

Parameter	Well #2 Sample Date	Well #2	Well #3 Sample Date	Well #3	Primary Standard MCL	Secondary Standard MCL
Antimony, ug/L	5/25/2023		7/14/1999	0	6	
Arsenic, ug/L	5/25/2023		7/14/1999	1.1	50	
Barium mg/l	5/25/2023	0.0564	7/14/1999	0.02	2	
Beryllium, ug/L	5/25/2023		7/14/1999	0	4	
Cadmium, mg/L	5/25/2023		7/14/1999	0	0.005	
Chromium, mg/L	5/25/2023		7/14/1999	0	0.1	
Cyanide, mg/L	5/25/2023		7/14/1999	0	0.2	
Floride, mg/L	5/25/2023		7/14/1999	0.15	4	
Mercury, mg/L	5/25/2023		7/14/1999	0.001	0.002	
Nickel, ug/L	5/25/2023		7/14/1999			
Selenium, mg/L	5/25/2023		7/14/1999	0	0.05	
Thallium, TOTAL, mg/L	5/25/2023		7/14/1999	0	0.002	
Sodium, mg/L	5/25/2023	35.2	7/14/1999	4.1		
Nitrate, mg/L	5/25/2023		7/14/1999		10	
Lead, mg/L	5/25/2023		7/14/1999	0	0.015	
Copper, mg/L	5/25/2023		7/14/1999	0	1.3	1

Alkalinity, mg/L	5/25/2023		7/14/1999	292	
Calcium, ug/L	5/25/2023		7/14/1999	0	
Chloride, mg/L	5/25/2023		7/14/1999	15.9	 250
Iron, mg/L	5/25/2023	1.54	7/14/1999		 0.3
Magnesium, ug/L	5/25/2023		7/14/1999	0	
Manganese, mg/L	5/25/2023	0.0573	7/14/1999	0.0592	 0.05
pH, s.u.	5/25/2023		7/14/1999		 6.5-8.5
Hardness, mg/l	5/25/2023		7/14/1999		
TDS, mg/L	5/25/2023		7/14/1999		 500
Sulphate, mg/L	5/25/2023		7/14/1999	76.7	 250
Aluminum, mg/L	5/25/2023		7/14/1999	0	 0.05-0.2
Nitrogen-Ammonia, mg/l	5/25/2023		7/14/1999	0.08	
Iron, ug/L	5/25/2023		7/14/1999	0	 300
Potassium, ug/L	5/25/2023		7/14/1999	0	
Silica, mg/L	5/25/2023		7/14/1999	14	
Silver, ug/L	5/25/2023		7/14/1999	0	
Strontium, ug/L	5/25/2023		7/14/1999	63	
Boron, ug/L	5/25/2023		7/14/1999	0	
Cobalt, TOTAL, ug/L	5/25/2023		7/14/1999	0	
Molybdenum, ug/L	5/25/2023		7/14/1999	0	
Vanadium, ug/L	5/25/2023		7/14/1999	0	
Phosphorus, mg/L	5/25/2023		7/14/1999	0	
Zinc, mg/L	5/25/2023	0.103	7/14/1999	0	 5
Phenols, ug/L	5/25/2023		7/14/1999	0	

The public water supply wells at Poplar Grove were first sampled as part of a Statewide Groundwater Monitoring Network in 1985, 1993, and 1999. The well samples were analyzed for volatile organic chemicals (VOC) and inorganic chemicals (IOC). In addition, Well #2 was sampled for synthetic organic chemicals (SOC) and pesticides in 1991.

Review of the IOC data displayed in Table #2 indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 III. Adm. Part 620.410.

The VOC analyses performed detected no quantifiable levels of volatile organic chemicals. The SOC analyses performed detected no synthetic organic chemicals or pesticides in Well #2.

b. Finished Water Quality

The water quality of the currently active wells was measured over the period of 2013 to 2023 and has been tabulated in Table 3. As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards. A review of this information does not indicate levels of organic or inorganic compounds which exceed the drinking water quality standards.

Parameter	Well #2 (TP 2)	Well #3 (TP 3)	Primary Standard MCL	Secondary Standard MCL
Nitrate, mg/l	3.02	5.19	10	
Barium, ug/l	51.45	22.88	2000	
Fluoride, mg/l	0.92	0.89	4	
Iron, mg/l	1.40	0.03		0.3
Manganese, ug/l	57.96	125.00		50
Nickel, ug/l		7.00		
Sodium, mg/l	25.60	6.35		
Sulphate, mg/l	57.91	78.20		250
Arsenic, ug/l	1.80	1.20	50	
Chlorine, mg/l	63.00	18.00		250
Magnesium, mg/l	46.00	42.00		
Selenium, ug/l		2.10	50	
Calcium, mg/l	90.30	84.07		
Total Hardness, mg/l, as CACO3	399.50	393.00		
Total Alkalinity, mg/L	300.00	264.00		
TDS, mg/L	424.00	403.00		500
Zinc, ug/L	48.01	5.19	10	

<u>Table #3</u>
Summary of Finished Water Quality (2013 through 2023)
Village of Poplar Grove, Boone County, Illinois

The IEPA began testing the Village's water system for 18 compounds known as Per- and Polyfluoroalkyl Substances (PFAS) as part of a statewide investigation of community water supplies. PFAS are a group of thousands of manmade substances that have been produced in the United States since the 1940s and utilized for a variety of applications ranging from water and stain-proofing to firefighting. Some PFAS have been phased out of production in

Item 9.

the United States due to environmental and human health concerns, yet they persist in the environment and may contaminate surface and ground waters. All of the analytes sampled were below the health-based screening levels (Appendix C).

E. Potential Sources of Contamination

Land use activities can be potential sources of contamination to drinking water sources. The following are potential contaminated sources identified by the USEPA that can pose threats to negatively impact source watersheds such as lakes, rivers, streams, wetlands and groundwater source supplies:

- Microbial contaminants, such as viruses and bacteria from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Organic chemical contaminants, including synthetic and volatile organic chemicals from the production or storage of petroleum and industrial products, urban stormwater runoff, and septic systems.
- Pesticides and herbicides from agriculture, stormwater runoff, and residential uses.
- Radioactive contaminants, which occur naturally or result from industrial processes.
- Inorganic contaminants, such as salts and metals, that result from urban stormwater runoff, industrial or domestic wastewater discharges, or farming.
- Non-point sources of pollution caused by snowmelt and rainfall runoff including fertilizers, herbicides and insecticides from farming and residential areas; bacteria and nutrients from urban runoff; airborne pollutants from industrial and urban fallout; oil and chemicals from spills, releases and urban runoff; sediment from various land sources and urban runoff.

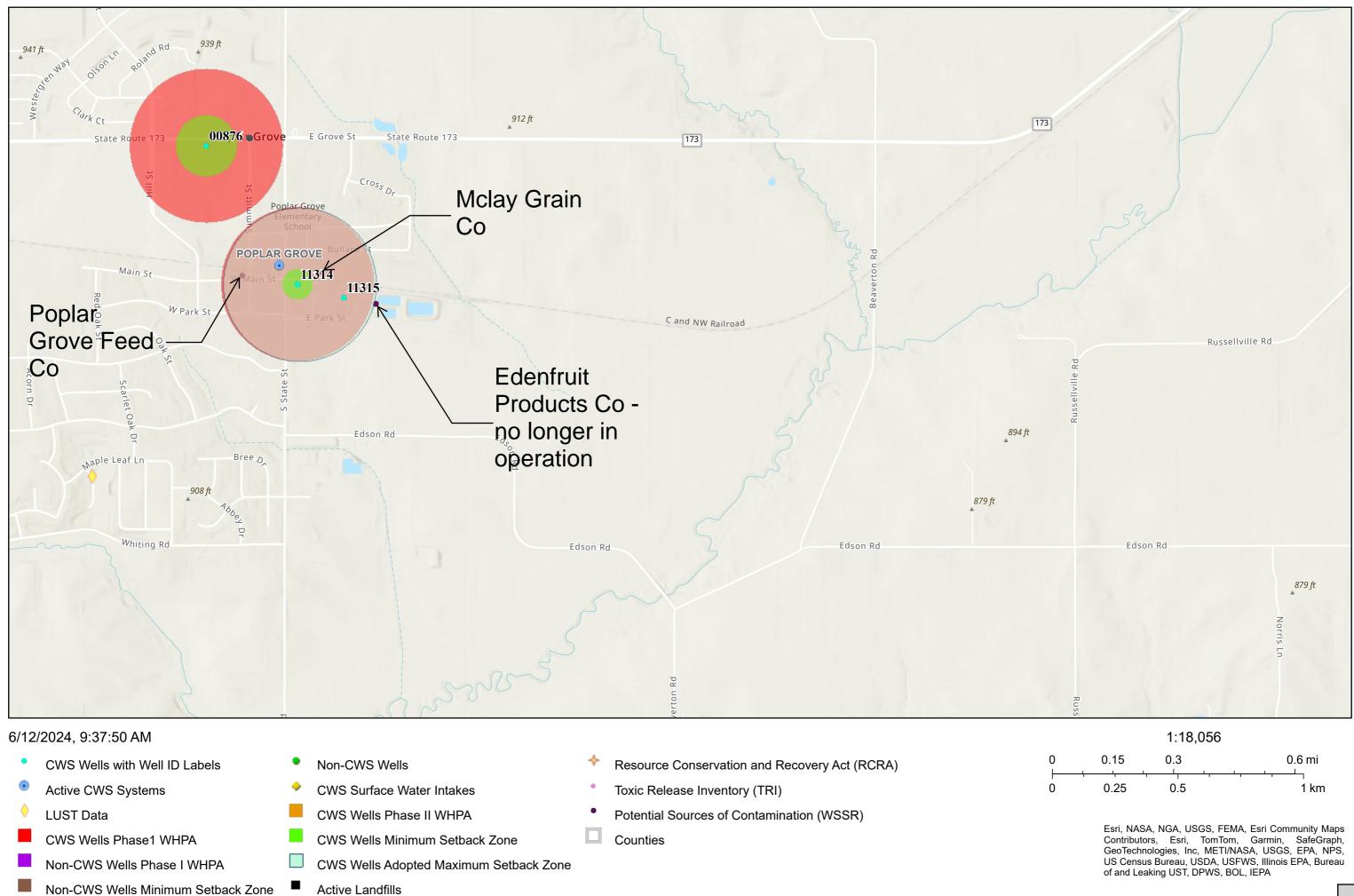
a. Wells Groundwater Source Inventory

Land use activities in the Village can pose a wide range of pollution threats to the source of groundwater. In order to identify potential sources of contamination a state and federal database report was obtained for Wells. The Source Water Assessment Program Factsheet provides data regarding the names and locations of several types of facilities engaged in operations of potential environmental concern. This is attached in Appendix E.

The search radius of properties located within a quarter mile (or 1,320 feet) was completed in order to capture properties within 1,000-ft. radius for the wellhead. The fixed radius distance of a guarter mile is in accordance with the IEPA recommended 1,000-ft. radius from the wellhead for this inventory of sites (IEPA Step-by-Step: Tips and Suggestions for Producing a Complete Source Water Protection Plan).

The sites labeled on the Map in Figure 4 and described in Table 4 are considered "potential" sources of contamination. These sites were identified through the Illinois EPA's Well Site Survey, IEPA Source Water Assessment Factsheet and USEPA Drinking Mapping Applications

Figure 4 - Potential Source of Water Contamination



- - Non-CWS Wells Minimum Setback Zone

Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS | Esri, NASA, NGA, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DoIT | Illinois EPA, DoIT | Illinois EPA, DoIT | Illinois EPA, Nos, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DoIT | Illinois EPA

Web AppBuilder for ArcG

to Protect Source Waters (DWMAPS), leaking underground storage tank database and site remediation program database based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA).

<u>Table #4</u>
Potential Sources of Contamination in Well #2 and #3 Recharge Area
Village of Poplar Grove, Boone County, Illinois

Site Name/Location	Site Description	Distance to Wellhead, feet	
Mathison, Dale – Rt. 76 & 173	Leaking UST	6819-feet to	
Poplar Grove, 61065		WL00876	
		8259-feet to	
		WL11314	
North Boone Community Schools –	Leaking UST	29,900-feet to	
3501 Blain Road, Poplar Grove,		WL00876	
61065		32,231 -feet to	
		WL11314	
Belvidere Airmotive – 11619 Rt. 76,	Leaking UST	14,300-feet to	
Poplar Grove, 61065		WL00876	
		13,222-feet to	
		WL11314	
Goeddeke, Harold – 6079	Leaking UST	38,400-feet to	
Manchester Road, Poplar Grove,		WL00876	
61065		40,700-feet to	
		WL11314	
Stop & Go Rt. 76 & Rt 173, Poplar	Leaking UST	6,865-feet to	
Grove, 61065		WL00876	
		8252-feet to	
		WL11314	
Poplar Grove Feed Co- 104 W Main	Feed supplier for farm animals, pets	300-feet to	
St, Poplar Grove, IL 61065	and birds. closed	WL11314,	
- , - , ,		1,740-feet to	
		WL00876	
McLay Grain Co - 102 N State St,	Grain handling	250-feet to	
Poplar Grove, IL 61065		WL11314,	
. ,		2,270-feet to	
		WL00876	
Edenfruit Products Co 1000 block	Food Processing – no longer in	1,200-feet to	
of East Street	operation.	WL11314,	
		3021-feet to	
		WL00876	

F. Susceptibility to Contamination

There are three (3) sources of groundwater contamination that could pose a hazard to groundwater utilized by the Poplar Grove community water supply wells. During the survey of the source water protection area, two potential sources of contamination were identified within the 1,000-foot Phase I Wellhead Protection Area (WHPA) for Well #2. One additional potential

source was identified outside of the Phase I WHPA. The Illinois EPA has determined that the Poplar Grove Community Water Supply's source water for Well #2 is not susceptible and the source water for Well #3 is susceptible to contamination. This determination is based on a number of criteria including monitoring conducted at the wells, monitoring conducted at the entry point to the distribution system, and available hydrogeologic data on the wells.

Furthermore, in anticipation of the U.S. EPA's proposed Ground Water Rule, the Illinois EPA has determined that the Poplar Grove Community Water Supply is not vulnerable to viral contamination. This determination is based upon the evaluation of the following criteria during the Vulnerability Waiver Process: the community's wells are properly constructed with sound integrity and proper siting conditions, a hydraulic barrier exists which should prevent pathogen movement, all potential routes and sanitary defects have been mitigated such that the source water is adequately protected, monitoring data did not indicate a history of disease outbreak, and the sanitary survey of the water supply did not indicate a viral contamination threat.

The community wells are constructed in an unconfined aquifer, which may or may not prevent the movement of pathogens into the wells. Well hydraulics were not considered to be a significant factor in the susceptibility determination, hence well hydraulics were not evaluated for this system ground water supply.

G. Existing Source Water Protection

The Village's current efforts to protect the groundwater source water include ongoing maintenance, along with sampling and testing of the groundwater which is routinely monitored by the Village water professionals and contract laboratories. The Village completes routine inspection, operation, and maintenance of the active well and the emergency use groundwater supply well.

The Illinois Environmental Protection Act provides a minimum protection zone of 200 feet for Well #2 and 400 feet for Well #3. These minimum protection zones are regulated by the Illinois EPA. In addition, the Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system.

IV. SOURCE WATER PROTECTION PLAN OBJECTIVES

Based off the potential sources of contamination and analysis of susceptibility identified in the Source Water Assessment, Poplar Grove identified and created the following Source Water Protection Plan objectives.

The Village will revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately

trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that through emergency preparedness, a community will minimize their risk of being without safe and adequate water.

Th Village will conduct a biennial cross connection survey of the distribution system as outlined in the cross-connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review the cross-connection control ordinance to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives.

The Village will obtain aquifer property data and groundwater flow direction information so the recharge area for Well #3 can be mapped. This information can be obtained by completing a pump test on the well and completing mass water level measurements on wells finished in the aquifer utilized by Well #3.

The Village will continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

Finally, the Village will investigate a "maximum setback zone" ordinance for Well #3. These ordinances are authorized by the Illinois Environmental Protection Act and allow county and municipal officials the opportunity to provide additional protection up to a fixed distance, normally 1,000 feet from their wells.

V. ACTION PLAN

In order to meet its Source Water Protection Plan objectives, the Village of Poplar Grove will continue its many current initiatives (as described in Section III of this Source Water Protection Plan), as well as implement the following new, strategies, programs, and activities. These new activities are organized in the following table by the Objective they help support.

Objective	Action Plan	Schedule	Resources
Contingency planning	Contingency planning documents are a primary means to ensure	Annually	Public Works
	that, through emergency preparedness, a community will		Department,
	minimize their risk of being without safe and adequate water.		Operating
	Revisit and revise the Villages Contingency documents. Conduct		Budget.
	training exercise for emergency response procedures.		
Review the cross-	Review the cross-connection control program to ensure that it	Annually	Public Works
connection control	remains current and viable. Cross connections to either the water		Department,
program	treatment plant or in the distribution system may negate all		Operating
	source water protection initiatives provided by the community.		Budget
Obtain aquifer	Obtain aquifer property data and groundwater flow direction	2025	Public Works
property data and	information so the recharge area for Well #3 can be mapped. This		Department,
groundwater flow	information can be obtained by completing pump tests on the		Operating
direction information	well and completing mass water level measurements on wells		Budget
	finished in the aquifer utilized by Well #2 and #3.		
Evaluate additional	Continue efforts to evaluate additional source water protection	Annually	Public Works
source water	management options to address the regulatory and non-		Department,
protection	regulatory land use activities within the WHPA of the community		Operating
management options	wells.		Budget
	Poplar Grove could apply for a Phase II and V Monitoring Waiver,		
	which is granted to facilities with a low risk of contamination. This		
	could substantially reduce monitoring costs for the community.		
	The Illinois EPA recommends that the source water protection		
	plan be developed and implemented pursuant to the American		
	Water Works Association G300 Standard.		
Revised maximum	Modify maximum setback ordinance to include Well #3 with a	2025	Public Works
setback of Well #3.	setback of 1,000-feet.		Department,
			Ordinance
			Revision

Appendix A

Vision Statement Resolution

RESOLUTION 24- 图与

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT A VISION STATEMENT FOR THE VILLAGE'S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois ("Village") is required to develop a Source Water Pollution Protection Plan ("SWPP"); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village desires to adopt a Vision Statement that will serve as the foundation for its SWPP; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt a comprehensive Vision Statement that outlines the Village's commitment to protecting its source water as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

- 1. The above recitals are incorporated herein and made part hereof.
- 2. The Village adopts the following Vision Statement for it SWPP, "The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for its customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure."

PASSED UPON MOTION BY CONDER
SECONDED BY Cheek
BY ROLL CALL VOTE THIS 19 DAY OF June, 2024
AS FOLLOWS:
VOTING "AYE": Check, Costanza, Davies, Craings, Mache
Straw
VOTING "NAY":
ABSENT, ABSTAIN, OTHER

APPROVED June 19 , 2024.

VILLAGE PRESIDENT

SEA L ATTEST: Iloz VILLAGE CLERK i

Appendix **B**

Well Logs

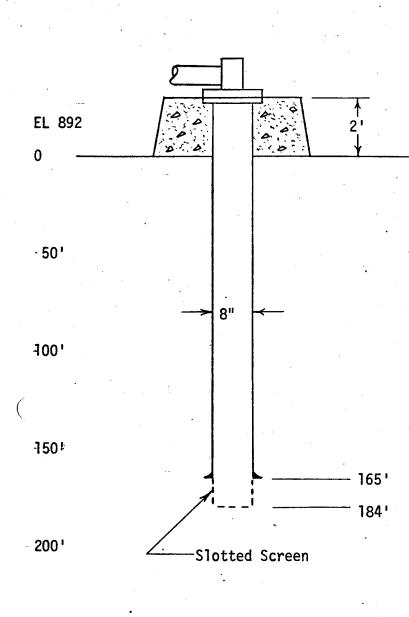
City Poplar Grove	Boone M 2
Section 19 Twp. No.	
Location (in feet from section corner) /79	•
	Authority Dell Fassett, W.W. Supt.
Contractor C.D. GC/Y, Walworth. Wis,	Address Poplar Grove, Ill. pumpbase
Date drilled June 1940	Elev. above sea level top of well $\frac{900'\pm}{200'\pm}$
Depth/84'	
Log_ 19' water-bearing sand and gra	avel
Were drill cuttings saved	Where filed
Size hole $\underline{\mathscr{S}''}$ If reduced, where a	and how much
Casing record 8" from surface to 165 For	lowed by 19 of slatted screen
Distance to water when not numning $15'$	(1940) Distance to water is <u>17</u>
Distance to water when not pumping	Distance to water is
	G. P. M. for
	G. P. M. for 8 hours.
feet after pumping at $155 \neq$ Reference point for above measurements $544 \neq 100$	G. P. M. for 8 hours.
feet after pumping at <u>153</u> + Reference point for above measurements Type of pump <u>F-M turbine</u>	G. P. M. for <u>8</u> hours. Pump base
feet after pumping at <u>153</u> + Reference point for above measurements Type of pump <u>F-M turbine</u>	G. P. M. for <u>8</u> hours. <i>Pump base</i> Distance to cylinder Length of suction pipe below cylinder.
feet after pumping at <u>153</u> + Reference point for above measurements Type of pump <u>F-M turbine</u> Length of cylinder Length stroke	G. P. M. for <u>8</u> hours. <i>Pump base</i> Distance to cylinder Length of suction pipe below cylinder.
feet after pumping at <u>153 +</u> Reference point for above measurements Type of pump <u>F-M turbine</u> Length of cylinder Length stroke Hours used per day <u>1-2</u>	G. P. M. for <u>8</u> hours. <i>Pump base</i> Distance to cylinder Length of suction pipe below cylinder Speed
feet after pumping at <u>153 +</u> Reference point for above measurements Type of pump <u>F-M turbine</u> Length of cylinder Length stroke Hours used per day <u>1-2</u>	G. P. M. for <u>8</u> hours. Pump base Distance to cylinder Length of suction pipe below cylinder Speed Type of power <u>Electric</u> Rating of pump in G. P. M. <u>150 ageinst 70[#] pressur</u> ter level <u>Yes</u>
feet after pumping at <u>153</u> + Reference point for above measurements Type of pump <u>F-M turbine</u> Length of cylinder Length stroke Hours used per day <u>1-2</u> Rating of motor <u>10 HP</u> Can following be measured: (1) Static wat	G. P. M. for <u>8</u> hours. <i>Pump base</i> Distance to cylinder Length of suction pipe below cylinder Speed Type of power <u>E/cetric</u> Rating of pump in G. P. M. <u>150 against 70 * press</u>
feet after pumping at 153 + Reference point for above measurements Type of pump F-M turbine Length of cylinder Length stroke Hours used per day 1-2 Rating of motor 10 HP Can following be measured: (1) Static wat (2) Pumping level Yes (4) Influence on other wells None re	G. P. M. for <u>8</u> hours. <u>Pump base</u> Distance to cylinder Length of suction pipe below cylinder Speed Type of power <u>Electric</u> Rating of pump in G. P. M. <u>150 ageinst 70[#] pressur</u> ter level <u>Yes</u> (3) Discharge <u>160</u>
feet after pumping at $156 \neq$ Reference point for above measurements Type of pump FM turbine Length of cylinder. Length stroke Hours used per day $1-2$ Rating of motor $10 HP$ Can following be measured: (1) Static wat (2) Pumping level Yes (4) Influence on other wells None re Temperature of water $50.5^{\circ}F$	G. P. M. for <u>8</u> hours. <u>Pump base</u> Distance to cylinder Length of suction pipe below cylinder Speed Type of power <u>E/cetric</u> Rating of pump in G. P. M. <u>150 against 76 * pressur</u> ter level <u>Yes</u> (3) Discharge <u>160</u> Was water sample collected <u>Yes after 5 mins pumping o</u>
feet after pumping at $156 \neq$ Reference point for above measurements Type of pump FM turbine Length of cylinder. Length stroke Hours used per day $1-2$ Rating of motor $10 HP$ Can following be measured: (1) Static wat (2) Pumping level Yes (4) Influence on other wells None re Temperature of water $50.5^{\circ}F$	G. P. M. for <u>8</u> hours. <u>Pump base</u> Distance to cylinder Length of suction pipe below cylinder Speed Type of power <u>Electric</u> Rating of pump in G. P. M. <u>150 ageinst 70[#] pressur</u> ter level <u>Yes</u> (3) Discharge <u>160</u>
feet after pumping at $156 \neq$ Reference point for above measurements Type of pump FM turbine Length of cylinder. Length stroke Hours used per day $1-2$ Rating of motor $10 HP$ Can following be measured: (1) Static wat (2) Pumping level Yes (4) Influence on other wells None re Temperature of water $50.5^{\circ}F$	G. P. M. for <u>8</u> hours. <u>Pump base</u> Distance to cylinder Length of suction pipe below cylinder Speed Type of power <u>E/cetric</u> Rating of pump in G. P. M. <u>150 against 70 # pressou</u> ter level <u>Yes</u> (3) Discharge <u>160</u> Was water sample collected <u>Yes after 5 mins bumping of</u> Effect of water on meters, hot water
feet after pumping at $153 + 153 + 153 + 153 + 155 + $	G. P. M. for <u>8</u> hours. <u>Pump base</u> Distance to cylinder Length of suction pipe below cylinder Speed Type of power <u>E/cettric</u> Rating of pump in G. P. M. <u>150 against 70[#] pressur</u> ter level <u>Yes</u> (3) Discharge <u>160</u> Was water sample collected <u>Yes after 5 mins pumpus</u> a Effect of water on meters, hot water

1 2

		X Y // Item
City	Poplan Grove	County Boone
Sect		45 N Range 4 E
Loca	ation (in feet from section corner) 1190'	_
	N'AN HO	Authority
	tractor C. D. achley	
	e drilled 1940	and the second
Dep	1041	
Log.		No change
Wei	re drill cuttings saved	Where filed
Size	hole If reduced, where and	how much
Casi	ing record 8" 1'- 165 (September 23' 2)	ed Screen 19FT.)
Dist	ance to water when not pumping	7Distance to water is
feet	after pumping at	G. P. M. forhours.
Ref	erence point for above measurements $\frac{2}{3}$ ∞	np base
Ťур	e of pump Fairbanden Morse Tr	Distance to cylinder 50' ×5"
	gth of cylinder 7 Ostoge	Length of suction pipe below cylinder $\frac{10' \times 5''}{10' \times 5''}$
Len		Speed
Hou	ırs used per day	_Type of power Fairboulss Worse electric M
Rati	ing of motor 10 HP	_Rating of pump in G. P. M. 150 190' H.
Can	following be measured: (1) Static water	level VLS
(2)	Pumping level 725	(3) Discharge No
(4)	Influence on other wells	·
Ten	nperature of water	Was water sample collected No
		Effect of water on meters, hot water
	s, etc	
Dat	e of Analysis	Analysis No
. •		Recorder Robert Hasman
2807	7-22617 12 4000	Date July 16, 1959
3	· ·	

JV

WELL # 2



CITY OR VI	LLAGE :	Poplar Grove	-
LOCATION:	Section	19 - T45N - R4E	
1790'S-60	'E of NWC		

WATER LEVEL: T	op of C	asing	
DATE	8-40		
STATIC LEVEL, FT.	12		
PUMPING LEVEL, FT.	40		
PUMPING RATE, gpm	200		

CHRONOLOGY:

1940 Drilled 184 feet.

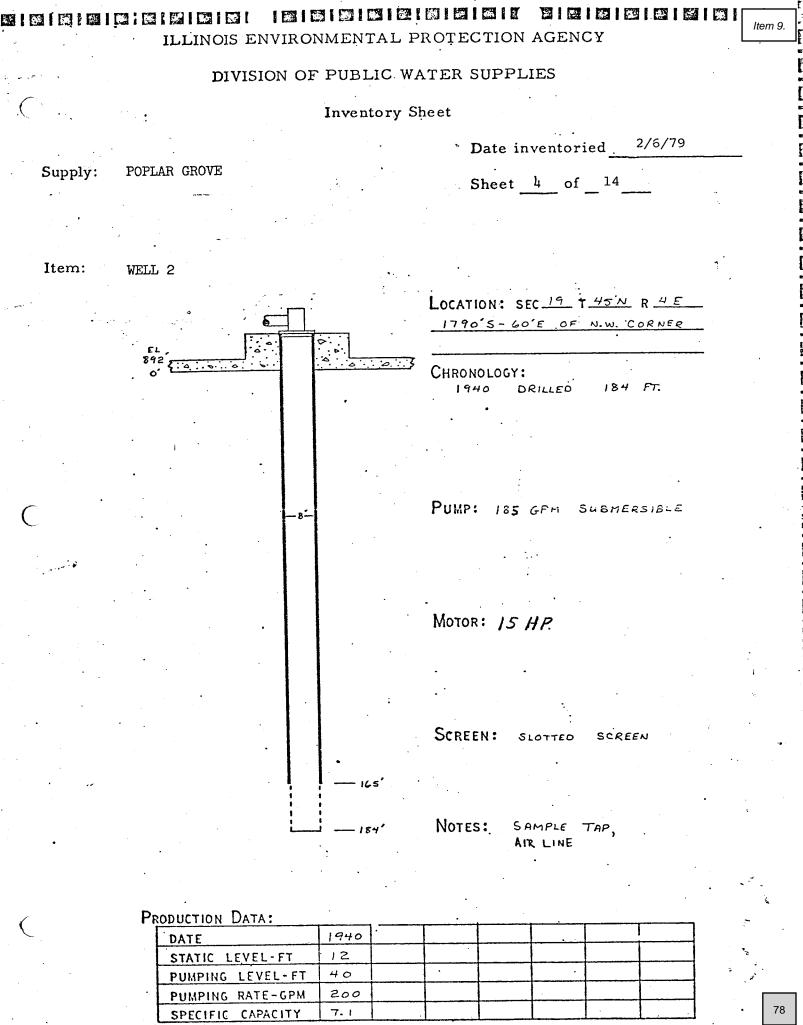
New Pump.

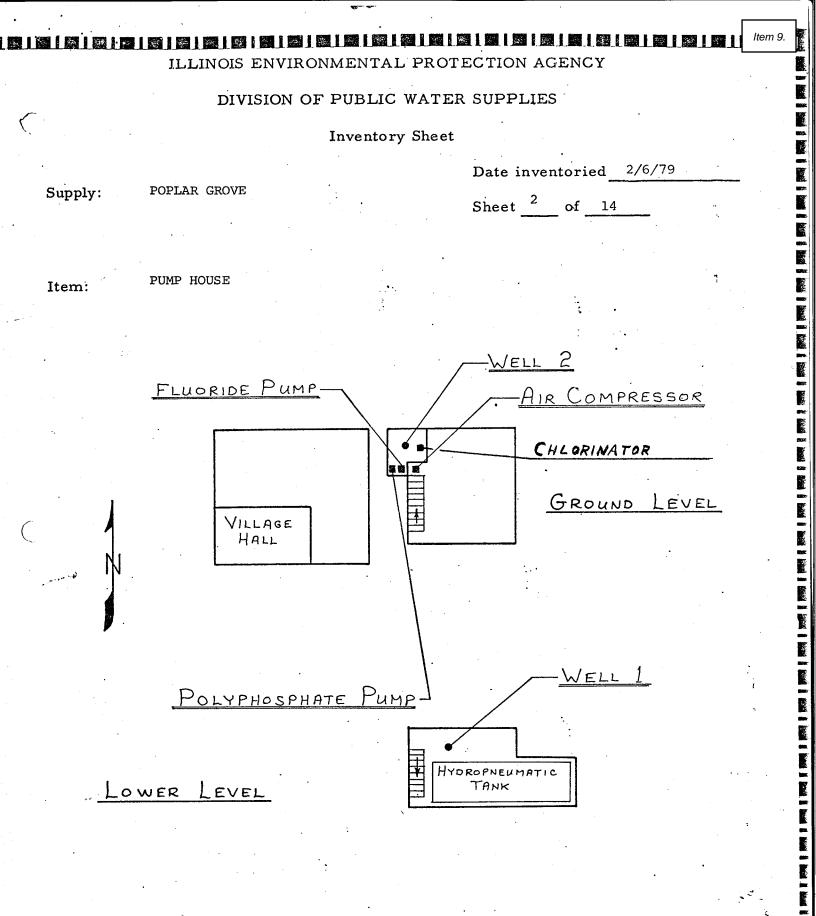
NOTES:

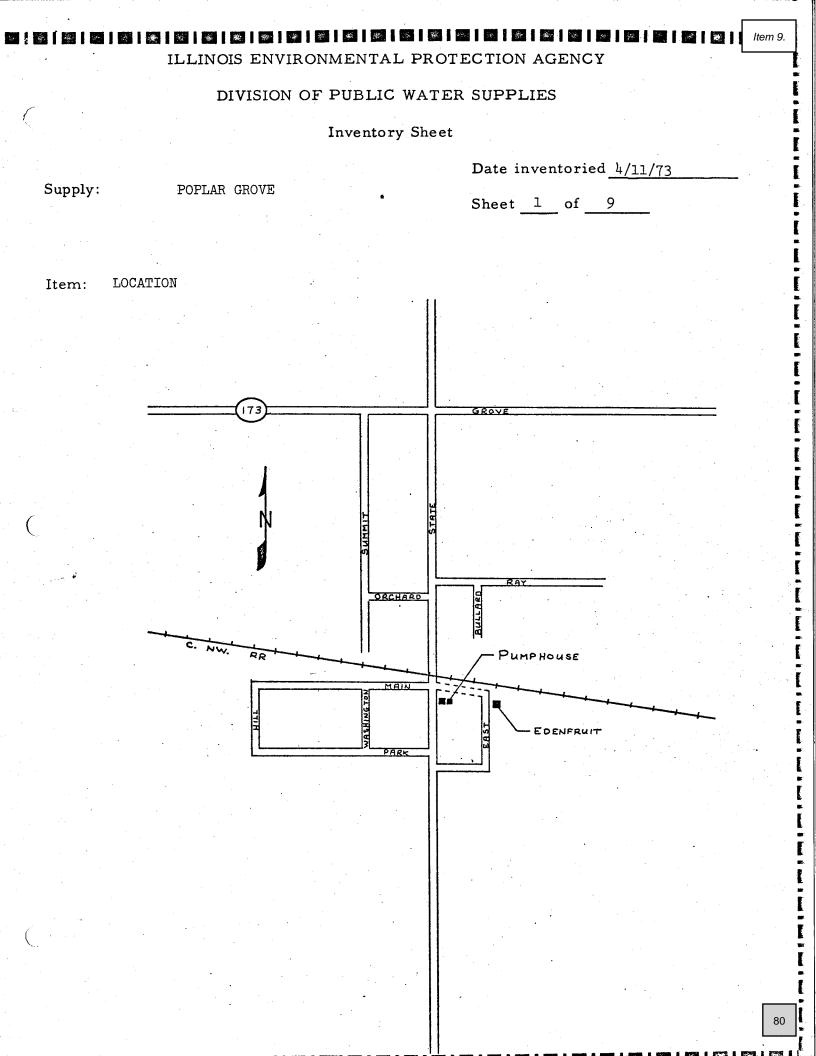
MINERAL ANALYSIS:

DATE	LAB	T.S.	HARD	NO3	Fe	Mn	F	C1	SO ₂	T-ALK
11-46	SWS	360	344	1.3	0.5	0.0	0.2	7.0	49.0	288
7/ 12-醇	EPA	364	352	0.0	0.2	0.0	0.2	9.0	38.0	284
										· [

ltem 9.







$_{\tt Page \ 1}$ Illinois state geological survey

clay & stones sand & gravel Total Depth Casing: 16" A53B 62.58# P.E. from -2' to 107' Screen: 20' of 16" diameter slot Grout: CEMENT from 0 to 22. Water from sand & gravel at 87' to 107'. Static level 10' below casing top which is 2' ak Pumping level 63' when pumping at 750 gpm for 8 Permanent pump installed at 73' on September 3, 1994, with a capacity of 750 gp Owner Address: Route #173 Poplar Grove, IL Location source: Location from permit Verified 2021. Permit Date: November 17, 1993 Permit #	ove GL hours n	0 25 25 105 105 February 23,
Total Depth Casing: 16" A53B 62.58# P.E. from -2' to 107' Screen: 20' of 16" diameter slot Grout: CEMENT from 0 to 22. Water from sand & gravel at 87' to 107'. Static level 10' below casing top which is 2' ak Pumping level 63' when pumping at 750 gpm for 8 Permanent pump installed at 73' on September 3, 1994, with a capacity of 750 gp Owner Address: Route #173 Poplar Grove, IL Location source: Location from permit Verified 2021.	ove GL hours n	105
Casing: 16" A53B 62.58# P.E. from -2' to 107' Screen: 20' of 16" diameter slot Grout: CEMENT from 0 to 22. Water from sand & gravel at 87' to 107'. Static level 10' below casing top which is 2' ak Pumping level 63' when pumping at 750 gpm for 8 Permanent pump installed at 73' on September 3, 1994, with a capacity of 750 gp Owner Address: Route #173 Poplar Grove, IL Location source: Location from permit Verified 2021.	hours n	
Static level 10' below casing top which is 2' ak Pumping level 63' when pumping at 750 gpm for 8 Permanent pump installed at 73' on September 3, 1994, with a capacity of 750 gp Owner Address: Route #173 Poplar Grove, IL Location source: Location from permit Verified 2021. Permit Date: November 17, 1993 Permit #	hours n	February 23,
Location source: Location from permit Verified 2021. Permit Date: November 17, 1993 Permit #	by: VJA on	February 23,
	1	
COMDANY Rosenquist Gerald Wilbur	: E940421	
COMERNIE ROBERIQUIDE, GELAIU WILDUI		
FARM Poplar Grove, Village of		
DATE DRILLED April 1, 1994 NO. 3		
ELEVATION 912GL COUNTY NO. 2288		
LOCATION 50'S 1000'W NE/c LATITUDE 42.37131 LONGITUDE -88.82579		

COUNTY Boone

API 120072288100 24 - 45N - 3E

Appendix C

PFAS Summary



Overall Network

1,428

Total Sites with **Confirmed Detections** 149

Total Sites

Unconfirmed

15

Confirmed ≥ to IEPA HBGL

68

Unconfirmed Detections

15

No Detections

1,264

Illinois EPA PFAS Sampling Network (2020-2021)

Results for PFAS Network in Illinois

Source of Water Sampled

Number of Confirmed Detections by Chemical

Groundwater 93.3%

Surface Water 6%

Other

poplar grove

Candlewick

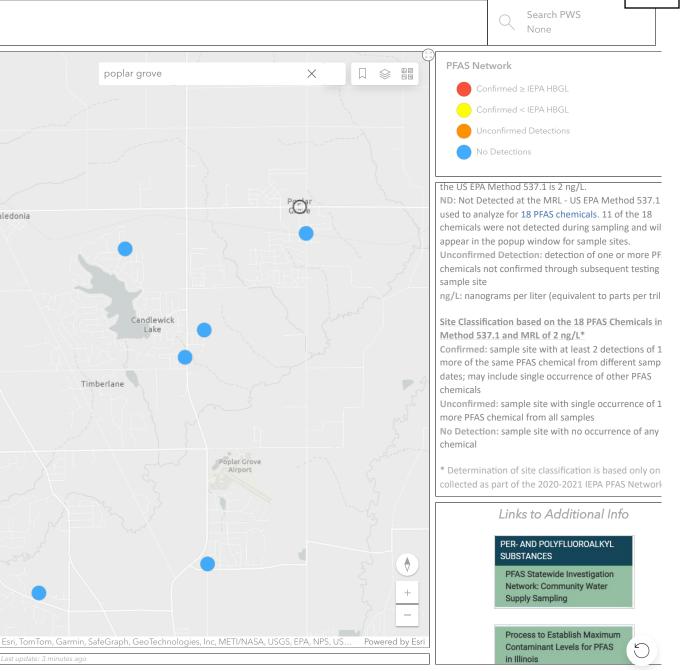
Lake

Poplar Grove

Airport

Timberlane

aledonia



Appendix D

Aquifer Geology

ISGS OFS 2000-3





T29N

T28N

T27N

T26N

State of Illinois

R11E

Bedrock Geology of Boone and Winnebago Counties, Illinois

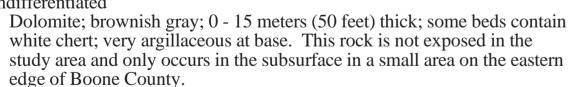
Department of Natural Resources

R10E

SILURIAN SYSTEM

Explanation

S undifferentiated



ORDOVICIAN SYSTEM

Om Maquoketa Group

Shale and dolomite; greenish- gray; silty; fossiliferous (brachiopods, bryozoans); 0 - 61 meters (200 feet) thick; argillaceous dolomite lenses in the lower half. This rock is exposed in a small road cut south of Belvidere.

Og Galena Group

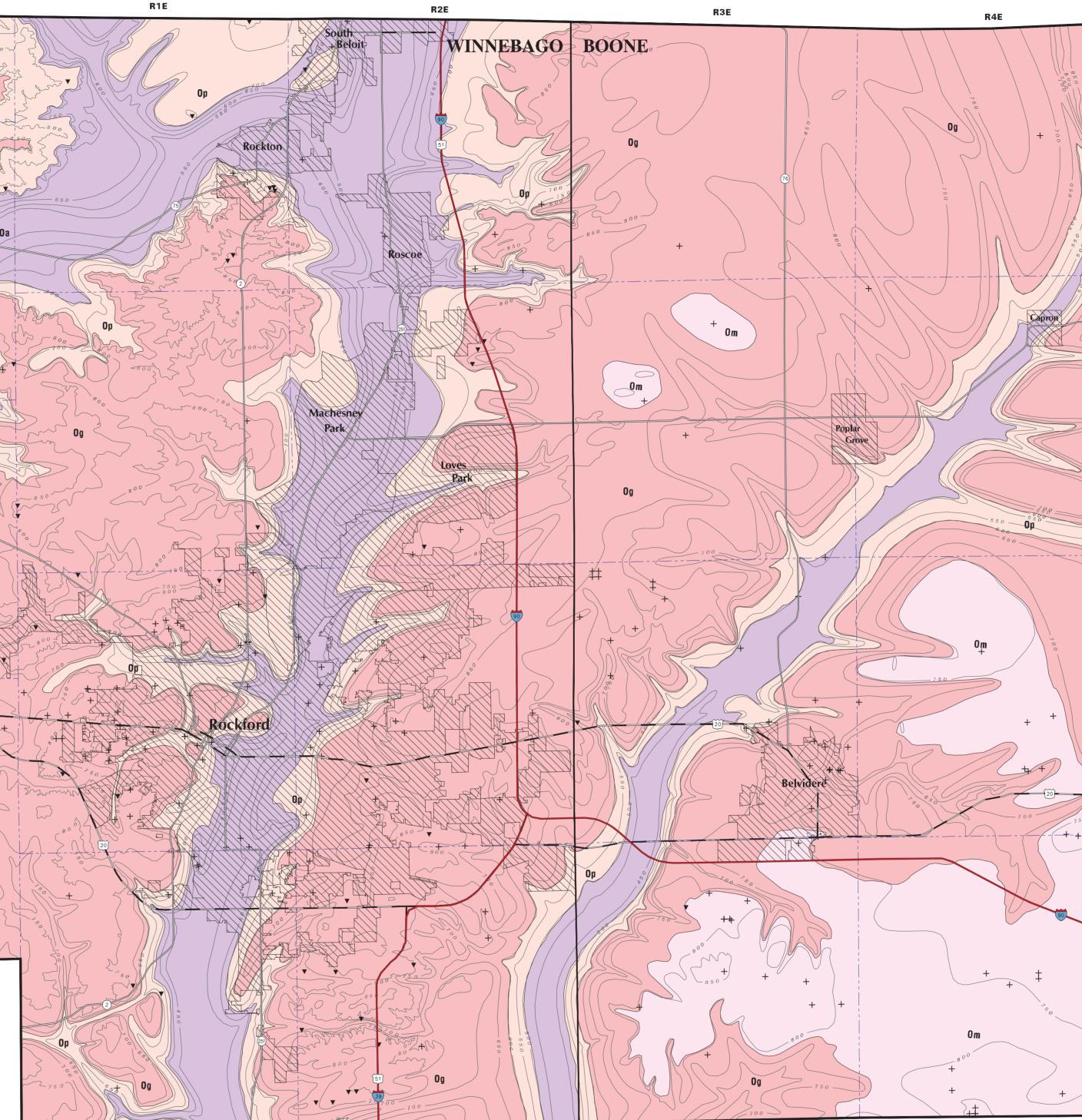
Dolomite; brown and gray; coarse grained; primarily pure; 0 - 76 meters (250 feet) thick; some cherty beds; some argillaceous beds; clay (Kbentonite) beds. These cliff forming- rocks are exposed in the Kishwaukee River and Grove Creek gorges and many quarries throughout the area.

Op Platteville Group

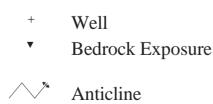
Dolomite; brown and gray; fine to very fine grained; 0 - 40 meters (130 feet) thick; thinner bedded and more argillaceous than the Galena Group. These rocks are exposed in quarries and road cuts in northern Winnebago County.

Oa Ancell Group

Quartz sandstone; white; fine to medium grained; well sorted; pure; 61 - 122 meters (200 - 400 feet) thick; upper 7.6 meters (25 feet) is composed of interbedded dolomite, fine to medium grained sandstone and shale. These rocks are not exposed in the study area.



Data Points





No. Interstate Highway US Highway State Highway

Municipality Bedrock Topography Contour Interval 50 Feet **Christopher S. McGarry**

Scale 1:100,000 1 inch equals approximately 1 1/2 miles 10 Kilometers ннннй Lambert Conformal Conic Projection

Preparation of this map by the Illinois State Geological Survey was supported, in part, by the Illinois Department of Natural Resources Environmental Protection Trust Fund. The map is part of a study to characterize the stratigraphy and structural geology of the Galena- Platteville Aquifer in Boone and Winnebago Counties. Maps produced for this study are intended for regional aquifer protection and land use planning purposes. More detailed mapping is needed for site specific considerations. This map has been reviewed for scientific accuracy and has been edited to meet the quality standards of maps in the ISGS Map Series.



Illinois State Geological Survey William W. Shilts, Chief Champaign





Data used to map the bedrock geology of Boone and Winnebago Counties included United States Geological Survey 7.5- minute topographic quadrangles, ISGS well logs, Illinois Department of Transportation borings, United States Department of Agriculture soil survey maps, previous studies conducted by Willman and Kolata (1978) and Kolata and Graese (1983), and project field observations. Well data used included 122 core and drill- cuttings analyses, 14 geophysical log studies, and 58 water well driller records. Due to the suspect accuracy of well driller records, only carefully selected driller records in areas lacking core/cuttings analyses or geophysical logs were used. Of the 194 well data points, 24 were found to be inconsistent with surrounding well descriptions. These anomalous well records, primarily water well records, either had incorrect descriptions of the strata encountered or incorrect location information and were ignored. Only the remaining 170 well data points were used in the mapping.

The geologic units commonly penetrated by water wells and other shallow boreholes in Boone and Winnebago Counties include unlithified Quaternary sediments, predominantly glacial deposits, underlain by Paleozoic bedrock, deposited as marine sediments. These sediments and rocks, roughly 760 m (2494 ft.) thick in northern illinois, comprise a thin veneer of rock over the Precambrian crystalline basement.

Bedrock geology is a significant consideration for land use planning in this region. The dolomite and sandstone bedrock formations are important groundwater resources throughout northern Illinois. Land use decisions should be made with consideration for the protection of groundwater resources from potential contamination. In addition to groundwater resources, dolomite formations near the land surface are current or potential rock product resources.

The outcropping (or subcropping in the subsurface) pattern of the bedrock geology is largely controlled by deep bedrock valleys. These valleys incise into the Ancell Group, although these strata are not exposed anywhere in the two- county region. Outcropping of younger strata to the southeast reflects the gentle regional dip, a result of the uplift of the Wisconsin Arch. It is interesting to note the presence of the Pecatonica Anticline, southeast of the town of Pecatonica. This structure is a small anticline about 10 km (6.2 mi.) long and 3 km (1.9 mi.) wide with about 9 m (29.5 ft.) of vertical uplift. An inactive quarry east of Pecatonicareveals very gently northeast- dipping beds, a subtle exposure of this structure.

References:

- Kolata, D.R. and A.M. Graese (1983) Lithostratigraphy and Depositional Environments of the Maquoketa Group (Ordovician) in Northern Illinois: Illinois State Geological Survey Circular 528, 49 p.
- Willman, H.B. and D.R. Kolata (1978) The Platteville and Galena Groups in Northern Illinois: Illinois State Geological Survey Circular 502, 75 p.

SEQ.	SYSTEM	GROUP	FORMATION & THICKNESS	GRAPHIC COLUMN
TEJAS	QUATER- NARY 0 · 0.7 m.y. B.P.		0 - 137 m (0 - 450 ft.)	
	SILUR. 405 - 440 m.y. B.P.		15 m (50 ft.)	
NOE	~	Maquoketa	46 - 61 m (150 - 200 ft.)	
TIPPECANOE	ORDOVICIAN 440 - 490 m.y. B.P.	Galena	76 m (250 ft.)	
F	ORD 0RD	Platteville	30 m (100 ft.) Glenwood	
		Ancell	2-18 m (5-60 ft.) St. Peter 61-122 m (200-400 ft.)	
			Potosi 15-30 m (50-100 ft.) Franconia 15-30 m (50-100 ft.)	
NK	SAUK CAMBRIAN 500 - 515 m.y. B.P.		Ironton – Galesville 23-52 m (75-170 ft.)	
SA			Eau Claire 107-137 m (350-450 ft.)	
	0 ^{**}		Mt. Simon 305-488 m (1000-1600 ft.)	
		RIAN	GRANITE	

Appendix E

Factsheet



Environmental Protection Agency

Source Water Assessment Program Factsheets

Select Water System Type	
Community	~
Select County	
Boone	~
Search County	
Or	
Enter any part of a Facility Name	
Search Facility Name	
Search Results	
POPLAR GROVE	~
Select Water System	

factsheet

To view a summary version of the completed Source Water Assessments, you may search our records by county or public water supply name. This summary information describes pertinent sub-sections of each completed assessment including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts. However, summaries of Source Water Protection Efforts have not been documented for non-community water supplies. It should be noted that these Source Water Assessment summaries are presented in strict compliance with Illinois EPA's security policy on the release of sensitive information. Therefore, all locational data and maps pertaining to wells, aquifers and/or surface water intakes have been removed. To obtain a complete version of the Source Water Assessment Report, please contact your local water supply officials.

Water Percentages:

Surface Water %	Surface Water Purchase %	Ground Water %	Ground Water Purchase %	Ground Water UDI %	Ground Water UDI Purchase %
0.00	0.00	100.00	0.00	0.00	0.00

Importance Of Source Water:

The Village of Poplar Grove (Facility Number 0070150) has two public water supply well. Well #2 (Illinois EPA #11314) and Well #3 (Illinois EPA #00876) produce 80,605 gallons per day on average to an estimated population of 1,150 through 405 service connections.

Well Data For This Facility:

Well ID	Well Description	Status	Depth	Minimum Setback	Pumpage	Aquifer Code	Aquifer Description	Max Zone
WL00876	WELL 3 (00876)	А	130.00	400	0	0101	Sand & Gravel	0
WL01747	WELL 7 (01747)	I		400		0101	Sand & Gravel	0
WL11313	WELL 1 (11313) ABANDONED	I	134.00	200	19133500	0101		0
WL11314	WELL 2 (11314) EMERGENCY	А	184.00	200	19133500	0101	Sand & Gravel	1000

Intake Details:

No Data

Source Water Quality:

The public water supply wells at Poplar Grove were first sampled as part of a Statewide Groundwater Monitoring Network in 1985, 1993, and 1999. The well samples were analyzed for volatile organic chemicals (VOC) and inorganic chemicals (IOC). In addition, Well #2 was sampled for synthetic organic chemicals and pesticides in 1991. The VOC analyses performed detected no quantifiable levels of volatile organic chemicals. The SOC analyses performed detected no synthetic organic chemicals or pesticides in Well #2. The IOC analyses performed found the water to meet all groundwater standards.

Item 9.

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Finished Water Quality:

factsheet

Finished water quality data tables of monitored parameters, contaminants detected, health advisory information, drinking water standards or maximum contaminant levels are available at http://www.epa.gov/ogwdw. Similar information is also available in the Consumer Confidence Report supplied by the water supply to its customers. A review of this information does not indicate levels of organic or inorganic compounds which exceed the drinking water quality standards.

Potential Sources Of Contamination:

The sites labeled on the Wellhead Protection Planning Map and described in the following tables are considered "potential" sources of contamination. (Maps and tables are not available in the Visually Impaired Accessible version. However, the information presented in the maps and tables is summarized within the following text sections of this fact sheet.) The Illinois EPA performed a detailed Well Site Survey in 1989 to identify potential sources of contamination to the water supply's wells. These sources are identified based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. In addition, the Illinois EPA made use of information from its leaking underground storage tank database (http://epadata.epa.state.il.us/land/ust/search.asp) and site remediation program database

(http://epadata.epa.state.il.us/land/srp/search.asp) to further assess potential sources of contamination to the water supply's source water. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA). The following is a list of facilities contained within these databases. As a result of multiple possible contamination sources, individual sites may be listed in the table more than once in relation to a well.

IEMA # LPC # Site Name Address City ZIP Code

 900491
 0070155002
 Mathison, Dale Rt. 76 & 173
 Poplar Grove 61065

 902524
 0070150001
 North Boone Comm. Schools 3501 Blain Rd. Poplar Grove 61065

 902527
 0070150002
 North Boone Comm. Schools 17641 Poplar Grove Rd. Poplar Grove 61065

 921347
 0070155009
 Belvidere Airmotive 11619 Rt. 76 Poplar Grove 61065

 931457
 0070155004
 Goeddeke, Harold 6079 Manchester Rd. Poplar Grove 61065

 952230
 0070155007
 Stop & Go Rt. 76 & Rt. 173
 Poplar Grove 61065

 980988
 0070155009
 Poplar Grove Airmotive 11619 Rt. 76
 Poplar Grove 61065

Site Data For This Facility:

Well ID	Site/GMZ ID	Map Code	Name	Distance	Status
WL11314	000004423	011D	POPLAR GROVE FEED CO	300	А
WL11314	000004424	011D	MCLAY GRAIN CO	250	А
WL11314	000004425	011D	EDENFRUIT PRODUCTS CO	1200	А

Susceptibility To Contamination:

Based on information obtained in a Well Site Survey published in 1989 by the Illinois EPA, one potential secondary source is located within 1,000 feet of the Well #2. The Illinois EPA has determined that the Poplar Grove Community Water Supply's source water for Well #2 is not susceptible and the source water for Well #3 is suspectible to contamination. This determination is based on a number of criteria including; monitoring conducted at the wells; monitoring conducted at the entry point to the distribution system; and available hydro

factsheet

geologic data on the wells. Furthermore, in anticipation of the U.S. EPA's proposed Ground Water Rule, the Illinois EPA has determined that the Poplar Grove Community Water S is not vulnerable to viral contamination. This determination is based upon the evaluation of the following criteria during the Vulnerability Waiver Process: the community's wells are properly constructed with sound integrity and proper siting conditions; a hydraulic barrier exists which should prevent pathogen movement; all potential routes and sanitary defects have been mitigated such that the source water is adequately protected; monitoring data did not indicate a history of disease outbreak; and the sanitary survey of the water supply did not indicate a viral contamination threat. Because the community's wells are constructed in a unconfined aquifer, which may, or may not prevent the movement of pathogens into the wells, well hydraulics were not considered to be a significant factor in the susceptibility determination. Hence, well hydraulics were not evaluated for this system ground water supply.

Source Water Protection Efforts:

The Illinois Environmental Protection Act provides minimum protection zone of 200 feet for Well #2 and 400 feet for Well #3. These minimum protection zones are regulated by the Illinois EPA. To further minimize the risk to the facility's groundwater supply, the Illinois EPA recommends that four additional activities be assessed. First, the water supply may wish to work with village officials to enact a "maximum setback zone" ordinance for Well #3, and proposed well #4 (when it becomes active). These ordinances are authorized by the Illinois Environmental Protection Act and allow county and municipal officials the opportunity to provide additional protection up to a fixed distance, normally 1,000 feet from their wells. Second, the water supply staff may wish to revisit their contingency planning documents. Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize their risk of being without safe and adequate water. Third, the water supply staff is encouraged to review their cross connection control program to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives provided by the community. Finally, the Village should obtain aquifer property data and groundwater flow direction information so the recharge area for Well #3 can be mapped. This information can be obtained by completing pump test on the well and completing mass water level measurements on wells finished in the aquifer utilized by Well #3.

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Report a Problem

Engineering Report

Source Water Protection Plan South Water System



Prepared for The VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

July 2024 McM. No. P0013 07-24-00111



Engineering Report

Engineering Report

Source Water Protection Plan South Water System



Prepared for The

VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC. MACHESNEY PARK, ILLINOIS

July 2024 McM. No. McM. No. P0013 07-24-00111

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Engineering Report

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- Appendix B Well Logs
- Appendix C PFAS Summary
- Appendix D Aquifer Geology
- Appendix E Factsheet

Engineering Report

Source Water Protection Plan South Water System



Prepared for The

VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC. MACHESNEY PARK, ILLINOIS

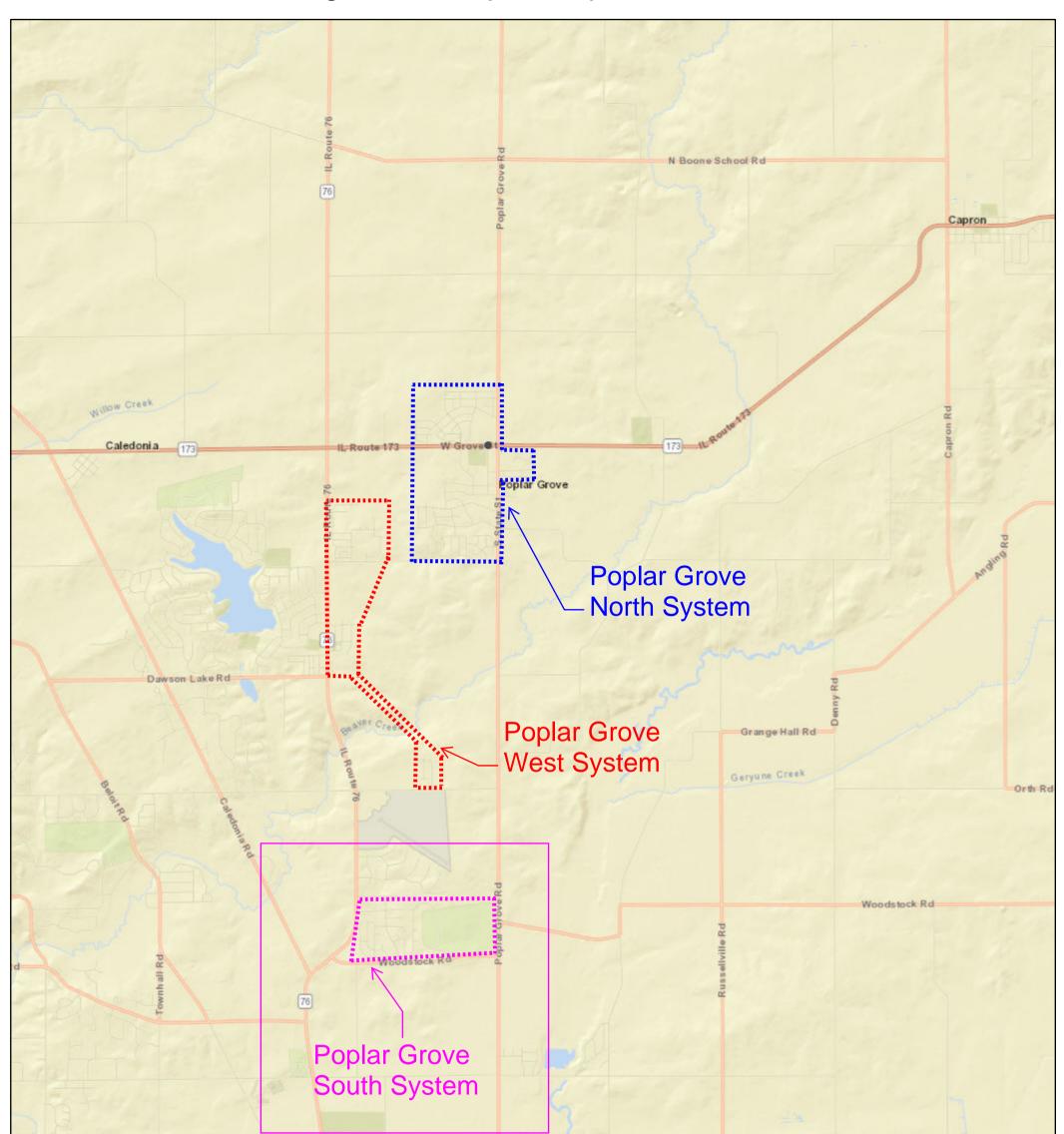
July 2024 McM. No. McM. No. P0013 07-24-00111

I. INTRODUCTION

The Village of Poplar Grove is located in Boone County, Illinois. Per the 2020 U.S. Census data, the Village has a population of 5,049 people. There are three drinking water systems in the Village of Poplar Grove, West, South and the North systems (Figure 1). This Source Water Protection Plan Report will focus on the South Water System. The sole source of water for the Poplar Grove South distribution system is groundwater.

Protecting the raw water supply has been increasingly recognized as a critical element in the overall mission of delivering a safe and reliable supply of drinking water to consumers. This Source Water Protection Plan has been developed by McMahon Associates, Inc. (McMAHON) on behalf of the Village of Poplar Grove in accordance with applicable regulations as part of an overall strategy to continue to provide reliable, quality drinking water. The program involves identifying potential risks

Figure 1 - Map of Poplar Grove, IL

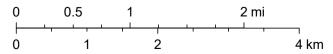




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USA Counties





Esri, HERE, Garmin, INCREMENT P, NGA, USGS

McMahon Associates, Inc. does not guarantee this information to t 95

The information is intended for use as a general reference and not intended or suitable for site-specific uses. Any use to the contrary of the stated uses is the responsibility of the user and such use is at the user's own

that could affect the drinking water supply and seeking to manage those risks, when possible, to maintain supply quantity and quality.

The Source Water Protection Plan has been prepared in accordance with 35 ILL. Admin. Code 604.300. The following elements are included in this plan:

- Vision statement
- Source water assessment
- Source water protection plan objectives
- Action plan

II. VISION STATEMENT

A. Commitment to Protecting Source Water

Source water protection implementation is a local effort that requires unwavering commitment every day. The Village of Poplar Grove's policy and commitment to protecting source water is reflected in the following Vision Statement developed by the Village of Poplar Grove's Source Water Protection team. The team includes Village President Don Sattler, Public Works Director David Howe, Village Trustees Dan Cheek, Owen Costanza, Austin Davies, Jeff Goings, Bruce Moore, and Elizabeth Straw, and Village's Contract Operator Test, Inc. The Board of Trustees passed a resolution confirming the Vision Statement. The Vision Statement resolution is attached in Appendix A.

The Village of Poplar Grove Community Water Supply Source Water Vision Statement is as Follow:

The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for our customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure.

B. Community Water Supply's Resources

Source water protection and minimizing or eliminating contamination risks or threats is a fundamental part of providing safe drinking water to the public. In doing so, the Village is committed to providing a sustainable water system.

The Village resources to safeguard the water supply sources include a certified water operator, a financial commitment, and yearly planning and budgeting. This annual budget includes salaried staff, maintenance, and resource funds for drinking water supply related projects. Each year the Village carefully evaluates the infrastructure needs for safe water supply distribution and identifies priority projects to be completed for establishing the water utilities budget.

C. Barriers for Protection of Source Water

A multi-barrier approach is an integrated system of procedures, processes and tools that collectively prevent or reduce the contamination of drinking water from source to tap in order to reduce risks to public health. The multi-barrier approach involves several consecutive steps, including selection of high-quality source water(s), source water protection, water treatment, distribution system management and water quality monitoring.

The Village uses a multi-barrier approach to maintain, safeguard and improve water quality of the groundwater source water supplies. The muti-barrier approach for the groundwater supplies includes routine well maintenance, repair operations and continuous water quality monitoring, sampling and testing that meets state and federal drinking water standards. The Village has adopted minimum setback zones of 200-ft for all the wells. The minimum protection zone area is regulated by the Illinois EPA. The Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system to help reduce the pathways to groundwater sources.

The Village's wells are located outside of special flood hazard areas. If an extremely unusual flood event were to occur, sandbags and trash pumps can be used to protect the wellhead. The Village has adopted procedures for electrical, mechanical and distribution system failures which are all outlined in detail in the 2015 Contingency Plan for Emergency Preparedness, developed by the Village and previously submitted to the Illinois Environmental Protection Agency (IEPA).

D. Team Members

This Plan was developed by McMAHON on behalf of the Village of Poplar Grove in coordination with Village of Poplar Grove staff listed below. The requirements of the Illinois Administrative Code Title 35, Administrative Code, 604, Subtitle F, Subpart C, Subpart C: Source Water Protection Plan were used as guidance.

Name	Title	Phone Number	Email Address
Don Sattler	Village	815-765-3201	dsattler@villageofpoplargrove.com
	President		
Dan Cheek	Village Trustee	815-765-3201	dcheek@villageofpoplargrove.com
Owen	Village Trustee –	815-765-3201	ocostanza@villageofpoplargrove.com
Costanza	Administration		
	& Zoning Chair		
Austin Davies	Village Trustee	815-765-3201	adavies@villageofpoplargrove.com
Jeff Goings	Village Trustee –	815-765-3201	jgoings@villageofpoplargrove.com
	Finance & Public		
	Works Chair		
Bruce Moore	Village Trustee	815-765-3201	bmoore@villageofpoplargrove.com
Elizabeth	Village Trustee	815-765-3201	estraw@villageofpoplargrove.com
Straw			
David Howe,	Director of	815-765-3201	dhowe@villageofpoplargrove.com
Test Inc.	Public Works		
	Contract		
	Operator		

III. SOURCE WATER ASSESSMENT

A. Importance of Source Water

Water is the most essential resource for every community on Earth. Our everyday activities in our community directly and indirectly impact the rivers, streams and lakes in our regional watershed and those into which our wastewater plants discharge treated water.

Groundwater is the source of about 37 percent of the water that county and city water departments supply to households and businesses for public supply. It provides drinking water for more than 90 percent of the rural population who do not get their water delivered to them from a county/city water department or private water company. In addition, about 42 percent of the water used for irrigation comes from groundwater.

B. List of Water Supplies

The Village utilizes treated groundwater as the potable water supply source to service the community. The Village's South Water System is identified by the IEPA as Water System No. IL0070300. The South Water System utilizes two (2) active community water supply wells (Well #5, WL01505, and Well #6, WL01693) which obtains water from a groundwater sand and gravel

aquifer. Well #5 and #6 provide approximately 69,159 gallons per day of water to 385 service connections or a population of 1,155 individuals.

Well #5 and Well #6 are located near McKinley Avenue and Prairie Knolls Drive. Both serve residents covering subdivisions of Knolls of Boone, Prairie Green, Concorde Crossing, Timber Point Golf Course. Refer to Figure 2 for a map displaying the well location.

C. Delineation of Sources

a. Groundwater

The Village relies on groundwater supplies for potable water supply for the community and for emergency water supplies. Groundwater from the active well is obtained from bedrock within the Ordovician System, which includes the Galena group. Unconsolidated sand and gravel deposits are tapped for municipal water supplies for Well #5 and #6 at the Village of Poplar Grove. An ISGS well drilling log with detailed geology can be found in Appendix B.

Wells #5 and #6 have a minimum 200-ft. radius setback zone and no maximum setback zone. Well #5 and #6 also have a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA source water assessment program (SWAP) mapping system. Refer to Figure 3.

According to the 1986 Safe Drinking Water Act Amendments, groundwater recharge protection areas (GRPs) are identified as, "the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminations are reasonably likely to move toward and reach such water well or wellfield". Groundwater recharge protection areas are those land areas which contribute water to the pumping wells.

The potential for aquifer recharge at Wells #5 and #6 is classified as "High to Moderately High" in the IEPA SWAP system. According to the IEPA SWAP database, there are no regulated recharge areas, groundwater restriction ordinances or Class III Special Resource Groundwater areas within the Village corporate limits.

The major components of the water system are summarized in Table #1 below. The well construction logs are provided in Appendix B.

Figure 2 - South Water System

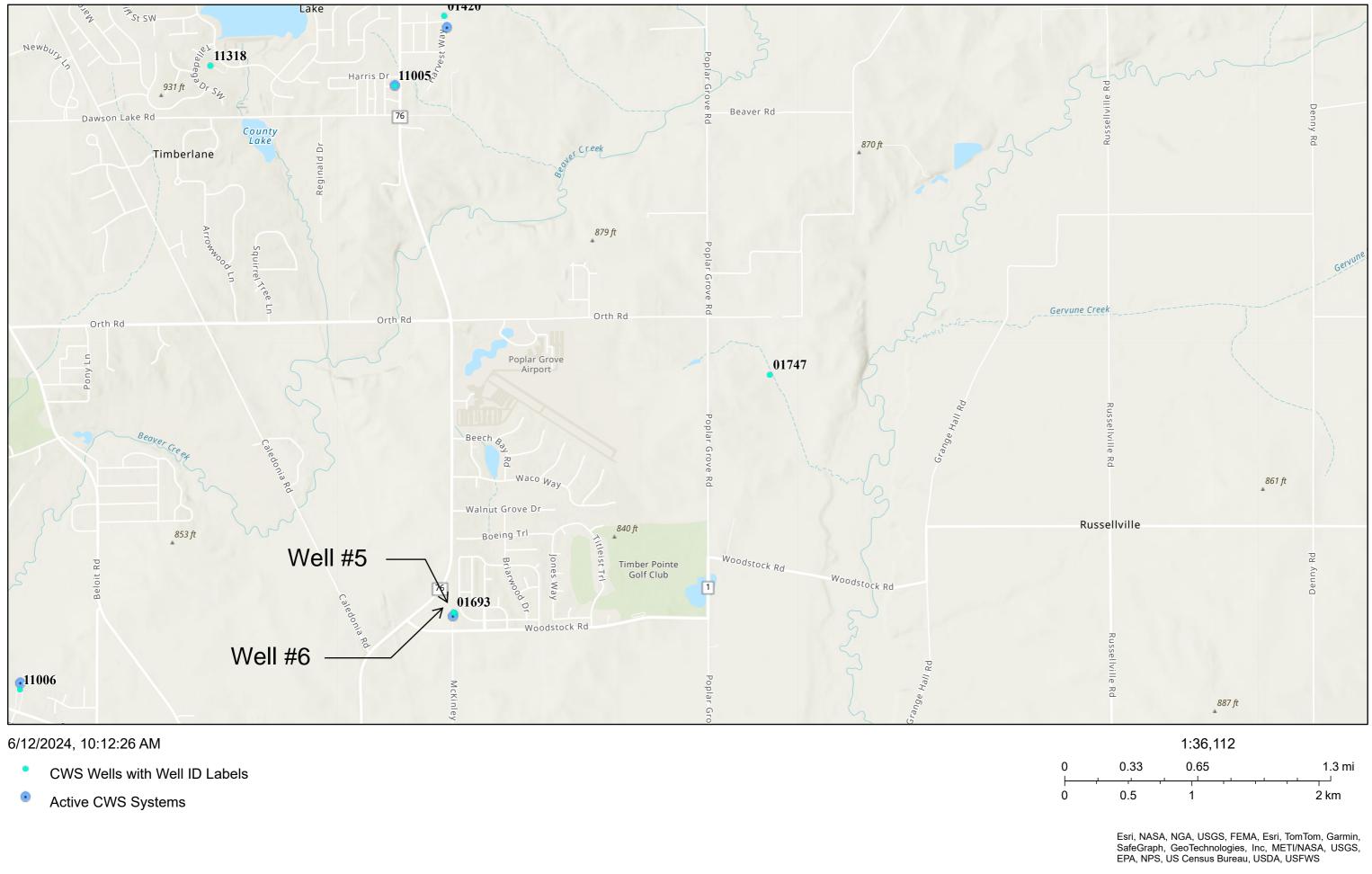
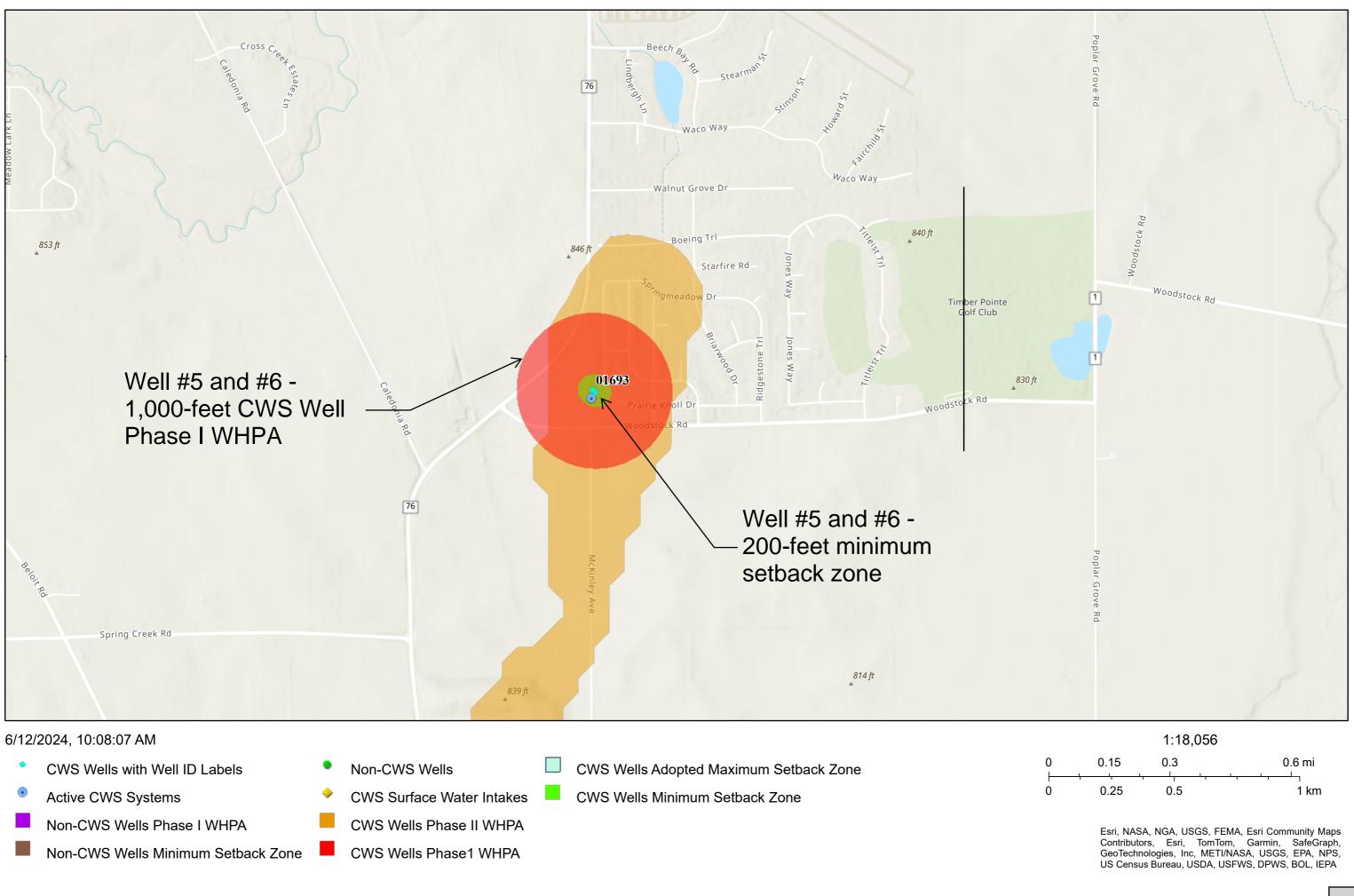


Figure 3 - Wellhead Protection



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<u>Table #1</u>
Historical Summary of the Wells Constructed
Village of Poplar Grove, Illinois

Water System	Well Description /ID No.	Year Constructed	Well Depth, ft	Aquifer Description	Well Status	Min Setback, feet	Max Zone, feet
South	No. 5	n/a	220	Sand &	Active	200	0
	(W01505)			Gravel			
South	No. 6	n/a	208	Sand &	Active	200	0
	(WL01693)			Gravel			

D. Source Water Quality

a. Local Source Water Quality Monitoring

The groundwater pumped at Wells #5 and #6 (Water System IL0070300) is sampled by the Village and tested periodically by an accredited laboratory.

Summary of the Source Water Quality Village of Poplar Grove, Boone County, Illinois						
Parameter	Well #5 Sample Date	Well #5	Well #6 Sample Date	Well #6	Primary Standard MCL	Secondary Standard MCL
Antimony, ug/L	5/23/2005	0	8/22/2011	0	6	
Arsenic, ug/L	5/23/2005	0	8/22/2011	0	50	
Barium mg/l	5/23/2005	0.035	8/22/2011	0.0411	2	
Beryllium, ug/L	5/23/2005	0	8/22/2011	0	4	
Cadmium, mg/L	5/23/2005	0	8/22/2011	0	0.005	
Chromium, mg/L	5/23/2005	0	8/22/2011	0	0.1	
Cyanide, mg/L	5/23/2005	0	8/22/2011		0.2	
Floride, mg/L	5/24/2005	0.14	8/22/2011		4	
Mercury, mg/L	5/23/2005	0	8/22/2011		0.002	
Nickel, ug/L	5/23/2005	0	8/22/2011			
Selenium, mg/L	5/23/2005	0	8/22/2011	0	0.05	
Thallium, TOTAL, mg/L	5/23/2005	0	8/22/2011		0.002	
Sodium, mg/L	5/23/2005	12	8/22/2011	8.89		
Nitrate, mg/L	5/23/2005	0	8/22/2011	0.103	10	
Lead, mg/L	5/23/2005	0	8/22/2011	0	0.015	
Copper, mg/L	5/23/2005	0	8/22/2011	0	1.3	1

<u>Table #2</u>

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Alkalinity, mg/L	5/23/2005	290	8/22/2011	290	 	
Calcium, ug/L	5/23/2005	9,400	8/22/2011	86,900	 	
Chloride, mg/L	5/23/2005	49.9	8/22/2011	43.1	 250	
Iron, mg/L	5/23/2005	0	8/22/2011	0.431	 0.3	
Magnesium, ug/L	5/23/2005	40,000	8/22/2011	38,800	 	
Manganese, mg/L	5/23/2005	0.041	8/22/2011	0.047	 0.05	
pH, s.u.	5/23/2005	6.7	8/22/2011		 6.5-8.5	
Hardness, mg/l	5/23/2005	400	8/22/2011	377	 	
TDS, mg/L	5/23/2005	544	8/22/2011	664	 500	
Sulphate, mg/L	5/23/2005	73.9	8/22/2011		 250	
Aluminum, mg/L	5/23/2005		8/22/2011		 0.05-0.2	
Nitrogen-Ammonia, mg/l	5/23/2005	0	8/22/2011		 	
Iron, ug/L	5/23/2005		8/22/2011		 300	
Potassium, ug/L	5/23/2005	0	8/22/2011	0	 	
Silica, mg/L	5/23/2005	16.5	8/22/2011	15.6	 	
Silver, ug/L	5/23/2005	0	8/22/2011	0	 	
Strontium, ug/L	5/23/2005	88	8/22/2011	83.7	 	
Boron, ug/L	5/23/2005	10	8/22/2011		 	
Cobalt, TOTAL, ug/L	5/23/2005	0	8/22/2011		 	
Molybdenum, ug/L	5/23/2005	0	8/22/2011		 	
Vanadium, ug/L	5/23/2005	0	8/22/2011		 	
Phosphorus, mg/L	5/23/2005	0	8/22/2011		 	
Zinc, mg/L	5/23/2005	0	8/22/2011		 5	
Phenols, ug/L	5/23/2005	13	8/22/2011		 	

Well #5 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Well #6 was sampled in 2011 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410.

Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants.

b. Finished Water Quality

The water quality of the currently active well was measured over the period of 2013 to 2023 and has been tabulated in Table 3. As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards.

Parameter	Well#5 and 6 (TP 1)	Primary Standard MCL	Secondary Standard MCL	
Nitrate, mg/l	0.06	10		
Barium, ug/l	44.50	2000		
Fluoride, mg/l	0.81	4		
Iron, mg/l	0.60		0.3	
Manganese, ug/l	41.10		50	
Nickel, ug/l				
Sodium, mg/l	14.10			
Sulphate, mg/l	68.60		250	
Arsenic, ug/l	0.75	50		
Chlorine, mg/l	35.00		250	
Magnesium, mg/l				
Selenium, ug/l		50		
Calcium, mg/l	105.00			
Total Hardness, mg/l, as CACO3	422.00			
Total Alkalinity, mg/L	316.00			
TDS, mg/L	446.00		500	
Zinc, ug/L	0.06	10		

<u>Table #3</u> Summary of Finished Water Quality (2013 through 2023) Village of Poplar Grove, Boone County, Illinois

The IEPA began testing the City's water system for 18 compounds known as Per- and Polyfluoroalkyl Substances (PFAS) as part of a statewide investigation of community water supplies. PFAS are a group of thousands of manmade substances that have been produced in the United States since the 1940s and utilized for a variety of applications ranging from water and stain-proofing to firefighting. Some PFAS have been phased out of production in the United States due to environmental and human health concerns, yet they persist in the environment and may contaminate surface and ground waters. All of the analytes sampled were below the health-based screening levels (Appendix C).

E. Potential Sources of Contamination

Land use activities can be potential sources of contamination to drinking water sources. The following are potential contaminated sources identified by the USEPA that can pose threats to negatively impact source watersheds such as lakes, rivers, streams, wetlands and groundwater source supplies:

- Microbial contaminants, such as viruses and bacteria from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Organic chemical contaminants, including synthetic and volatile organic chemicals from the production or storage of petroleum and industrial products, urban stormwater runoff, and septic systems.
- Pesticides and herbicides from agriculture, stormwater runoff, and residential uses.
- Radioactive contaminants, which occur naturally or result from industrial processes.
- Inorganic contaminants, such as salts and metals, that result from urban stormwater runoff, industrial or domestic wastewater discharges, or farming.
- Non-point sources of pollution caused by snowmelt and rainfall runoff including fertilizers, herbicides and insecticides from farming and residential areas; bacteria and nutrients from urban runoff; airborne pollutants from industrial and urban fallout; oil and chemicals from spills, releases and urban runoff; sediment from various land sources and urban runoff.

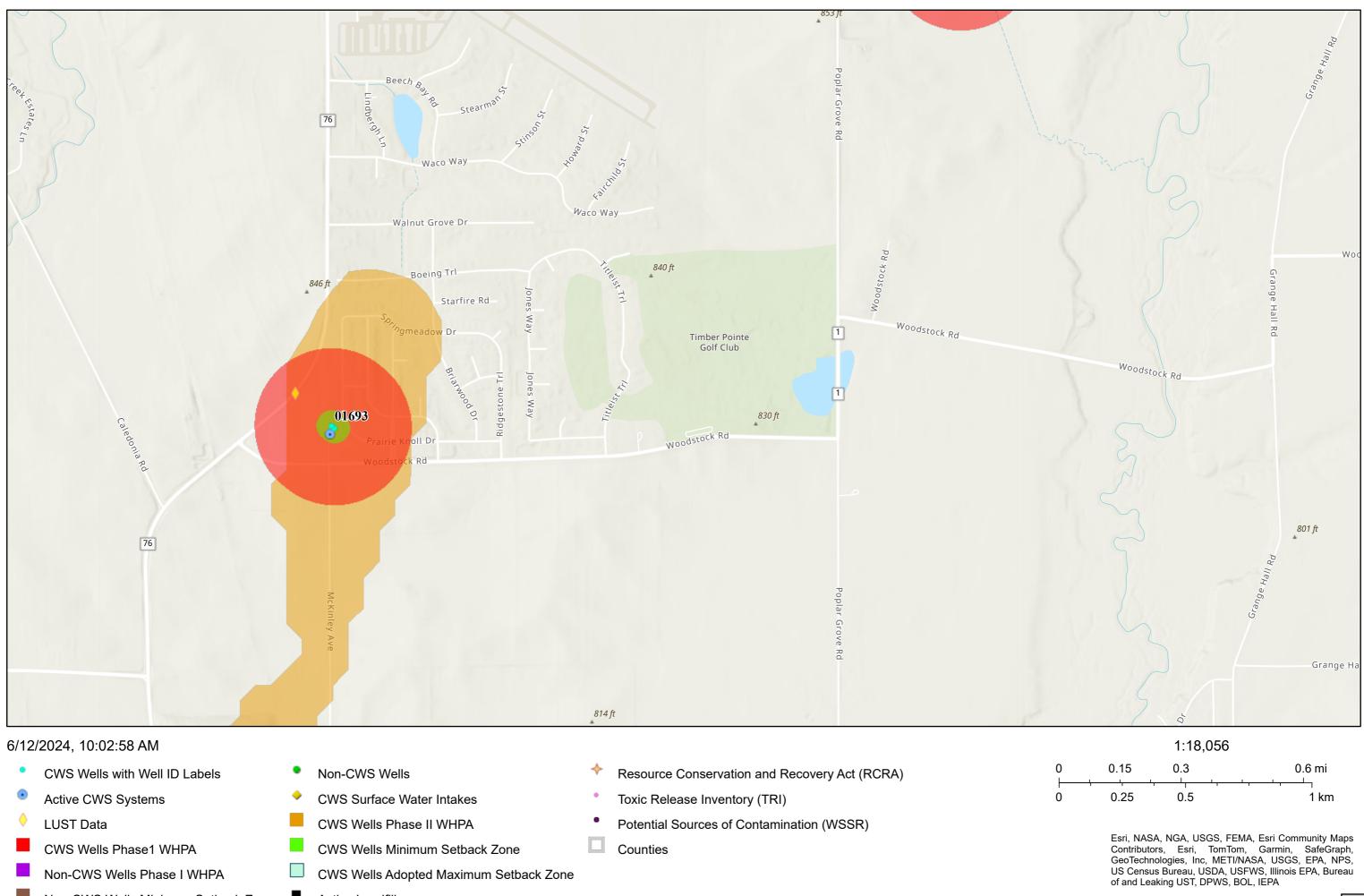
a. Wells Groundwater Source Inventory

Land use activities in the Village can pose a wide range of pollution threats to the source of groundwater. In order to identify potential sources of contamination a state and federal database report was obtained for Wells. The Source Water Assessment Program Factsheet provides data regarding the names and locations of several types of facilities engaged in operations of potential environmental concern. This is attached in Appendix E.

The search radius of properties located within a quarter mile (or 1,320 feet) was completed in order to capture properties within 1,000-ft. radius for the wellhead. The fixed radius distance of a quarter mile is in accordance with the IEPA recommended 1,000-ft. radius from the wellhead for this inventory of sites (IEPA Step-by-Step: Tips and Suggestions for Producing a Complete Source Water Protection Plan).

There are no sites in Well #5 and #6 identified as "potential" sources of contamination (Figure 4). This was identified using the Illinois EPA's Well Site Survey, IEPA Source Water Assessment Factsheet and USEPA Drinking Mapping Applications to Protect Source Waters (DWMAPS), leaking underground storage tank database and site remediation program database based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. These databases include

Figure 4 - Potential Source of Water Contamination



Non-CWS Wells Minimum Setback Zone Active Landfills

Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DoIT | Illinois EPA, DOIT | Illinois EPA, NOS, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DoIT | Illinois EPA, NOS, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DoIT | Illinois EPA, DOIT | Illinois EPA, NOS, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DOIT | Illinois EPA, DOIT | Illinois EPA, DOIT | Illinois EPA, DOIT | Illinois EPA, NOS, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DOIT |

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Web AppBuilder for Arc

information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA).

F. Susceptibility to Contamination

Poplar Grove South's source water is not considered to be susceptible to contamination. This determination was made based on the identification of potential sources and routes of contamination, land-use activities around the well, available hydrogeological data, and monitoring results. During the survey of the source water protection area, no potential sources were identified within the minimum setback zones or the 1,000-foot Phase I Wellhead Protection Areas (WHPA) for Well #5 or Well #6. Sampling performed to assess for pathogenic contamination (e.g., virus, total coliform, e-coli) has also demonstrated that the source water is not susceptible to these types of contaminants.

G. Existing Source Water Protection

The Village's current efforts to protect the groundwater source water include ongoing maintenance, along with sampling and testing of the groundwater which is routinely monitored by the Village water professionals and contract laboratories. The Village completes routine inspection, operation, and maintenance of the active well and the emergency use groundwater supply well.

The Illinois Environmental Protection Act provides minimum protection zones of 200 feet for Wells #5 and #6. These minimum protection zones are regulated by the Illinois EPA. In addition, the Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system.

IV. SOURCE WATER PROTECTION PLAN OBJECTIVES

Based off the potential sources of contamination and analysis of susceptibility identified in the Source Water Assessment, Poplar Grove identified and created the following Source Water Protection Plan objectives.

The Village will revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that through emergency preparedness, a community will minimize their risk of being without safe and adequate water.

Th Village will conduct a biennial cross connection survey of the distribution system as outlined in the cross-connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review the cross-connection

control ordinance to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives.

The Village will continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

Finally, the Village will investigate a "maximum setback zone" ordinance for Well #5 and #6. These ordinances are authorized by the Illinois Environmental Protection Act and allow county and municipal officials the opportunity to provide additional protection up to a fixed distance, normally 1,000 feet from their wells.

V. ACTION PLAN

In order to meet its Source Water Protection Plan objectives, the Village of Poplar Grove will continue its many current initiatives (as described in Section III of this Source Water Protection Plan), as well as implement the following new, strategies, programs, and activities. These new activities are organized in the following table by the Objective they help support.

Objective	Action Plan	Schedule	Resources
Contingency planning	Contingency planning documents are a primary means to ensure	Annually	Public Works
	that, through emergency preparedness, a community will		Department,
	minimize their risk of being without safe and adequate water.		Operating
	Revisit and revise the Villages Contingency documents. Conduct		Budget.
	training exercise for emergency response procedures.		
Review the cross-	Review the cross-connection control program to ensure that it	Annually	Public Works
connection control	remains current and viable. Cross connections to either the water	-	Department,
program	treatment plant or in the distribution system may negate all		Operating
	source water protection initiatives provided by the community.		Budget
Evaluate additional	Continue efforts to evaluate additional source water protection	Annually	Public Works
source water	management options to address the regulatory and non-		Department,
protection	regulatory land use activities within the WHPA of the community		Operating
management options	wells.		Budget
	Poplar Grove could apply for a Phase II and V Monitoring Waiver,		
	which is granted to facilities with a low risk of contamination. This		
	could substantially reduce monitoring costs for the community.		
	The Illinois EPA recommends that the source water protection		
	plan be developed and implemented pursuant to the American		
	Water Works Association G300 Standard.		
Revised maximum	Modify maximum setback ordinance to include Well #5 and #6	2025	Public Works
setback of Well #5 and	with a setback of 1,000-feet.		Department,
#5.			Ordinance
			Revision

Appendix A

Vision Statement Resolution

RESOLUTION 24- 图与

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT A VISION STATEMENT FOR THE VILLAGE'S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois ("Village") is required to develop a Source Water Pollution Protection Plan ("SWPP"); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village desires to adopt a Vision Statement that will serve as the foundation for its SWPP; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt a comprehensive Vision Statement that outlines the Village's commitment to protecting its source water as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

- 1. The above recitals are incorporated herein and made part hereof.
- 2. The Village adopts the following Vision Statement for it SWPP, "The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for its customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure."

PASSED UPON MOTION BY CONST
SECONDED BY Check
BY ROLL CALL VOTE THIS 19 DAY OF June, 2024
AS FOLLOWS:
VOTING "AYE": Check, Costanza, Davies, Crangs, Mare
Straw
VOTING "NAY":
ABSENT, ABSTAIN, OTHER

APPROVED June 19 , 2024.

VILLAGE PRESIDENT

SEA L ATTEST: alor VILLAGE CLERK

Appendix B

Well Logs

Page 1 ILLINOIS STATE GEOLOGICAL SURVEY

Municipal Water Supply	Тор	Bottom
clay & stones	0	50
sand & gravel	50	60
clay & stones	60	65
sandy clay & gravel	65	120
clay	120	130
sandy clay	130	140
sand & gravel	140	150
sand	150	190
sandy clay & gravel	190	195
sand	195	205
Total Depth Casing: 10" .365 WELL THICKNESS from -2' to 163' " 304 SS SCREEN from 185' to 205' Screen: 20' of " diameter .018 slot Grout: CEMENT from 0 to 60. Static level 53' below casing top which is 2' above GI Pumping level 97' when pumping at 600 gpm for 0 hours		205
Remarks: PICS 00790300 #2, well #5 is 40' from #6 Owner Address: , Add'l loc. info: FALSE backup well for #5 Location source: Aerial Photograph verified Verified 25, 2021	-	on May
Image viewing help: New users please read this. GET FILE IL State Water Survey Document		
Permit Date: Permit #: 014	19-FY	

COMPANY	Rosenquist, Rob	ert G.	
FARM	Poplar Grove So	uth	
DATE DRIL	LED	NO. 6	
ELEVATION	0	COUNTY NO. 24374	
LOCATION	SW SE NE		
LATITUDE	42.306709	LONGITUDE -88.846281	
COUNTY	Boone	API 120072437400	11 - 44N - 3E

	TT OF the	Water	Guuna	Demment	
GET FILE GET FILE	IL State	water Water	Survey	Document Document	
GET FILE GET FILE	IL State	e Water	Survey	Document	

Rosenquist, Robert G.Poplar Grove Sout6COUNTYBooneAPI 12007243740011 - 44N - 3E

Appendix C

PFAS Data

Engineering Report

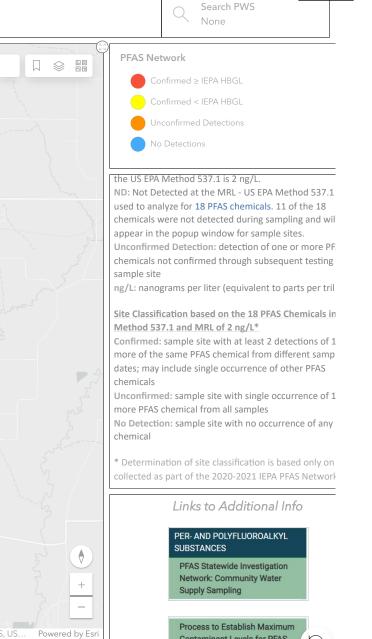


Overall Network

1,428

Illinois EPA PFAS Sampling Network (2020-2021)

Results for PFAS Network in Illinois



 \times

Total Sites with **Confirmed Detections** 149 **Total Sites** P Unconfirmed aledonia 15 Confirmed ≥ to IEPA HBGL **68** Source of Water Sampled Candlewick Lake Groundwater 93.3% Timberlane Surface Water 6% Other Poplar Grove Airport **Unconfirmed Detections** Number of Confirmed Detections by Chemical 15 **No Detections** 1,264 Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US. Contaminant Levels for PFAS in Illinois

poplar grove

Item 9.

Appendix D

Aquifer Geology

ISGS OFS 2000-3





T29N

State of Illinois

R11E

Bedrock Geology of Boone and Winnebago Counties, Illinois

Department of Natural Resources

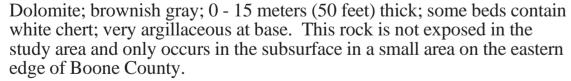
R10E

T28N T27N T26N

Explanation

SILURIAN SYSTEM

S undifferentiated



ORDOVICIAN SYSTEM

Om Maquoketa Group

Shale and dolomite; greenish- gray; silty; fossiliferous (brachiopods, bryozoans); 0 - 61 meters (200 feet) thick; argillaceous dolomite lenses in the lower half. This rock is exposed in a small road cut south of Belvidere.

Og Galena Group

Dolomite; brown and gray; coarse grained; primarily pure; 0 - 76 meters (250 feet) thick; some cherty beds; some argillaceous beds; clay (Kbentonite) beds. These cliff forming- rocks are exposed in the Kishwaukee River and Grove Creek gorges and many quarries throughout the area.

Op Platteville Group

Dolomite; brown and gray; fine to very fine grained; 0 - 40 meters (130 feet) thick; thinner bedded and more argillaceous than the Galena Group. These rocks are exposed in quarries and road cuts in northern Winnebago County.

Oa Ancell Group

Quartz sandstone; white; fine to medium grained; well sorted; pure; 61 - 122 meters (200 - 400 feet) thick; upper 7.6 meters (25 feet) is composed of interbedded dolomite, fine to medium grained sandstone and shale. These rocks are not exposed in the study area.

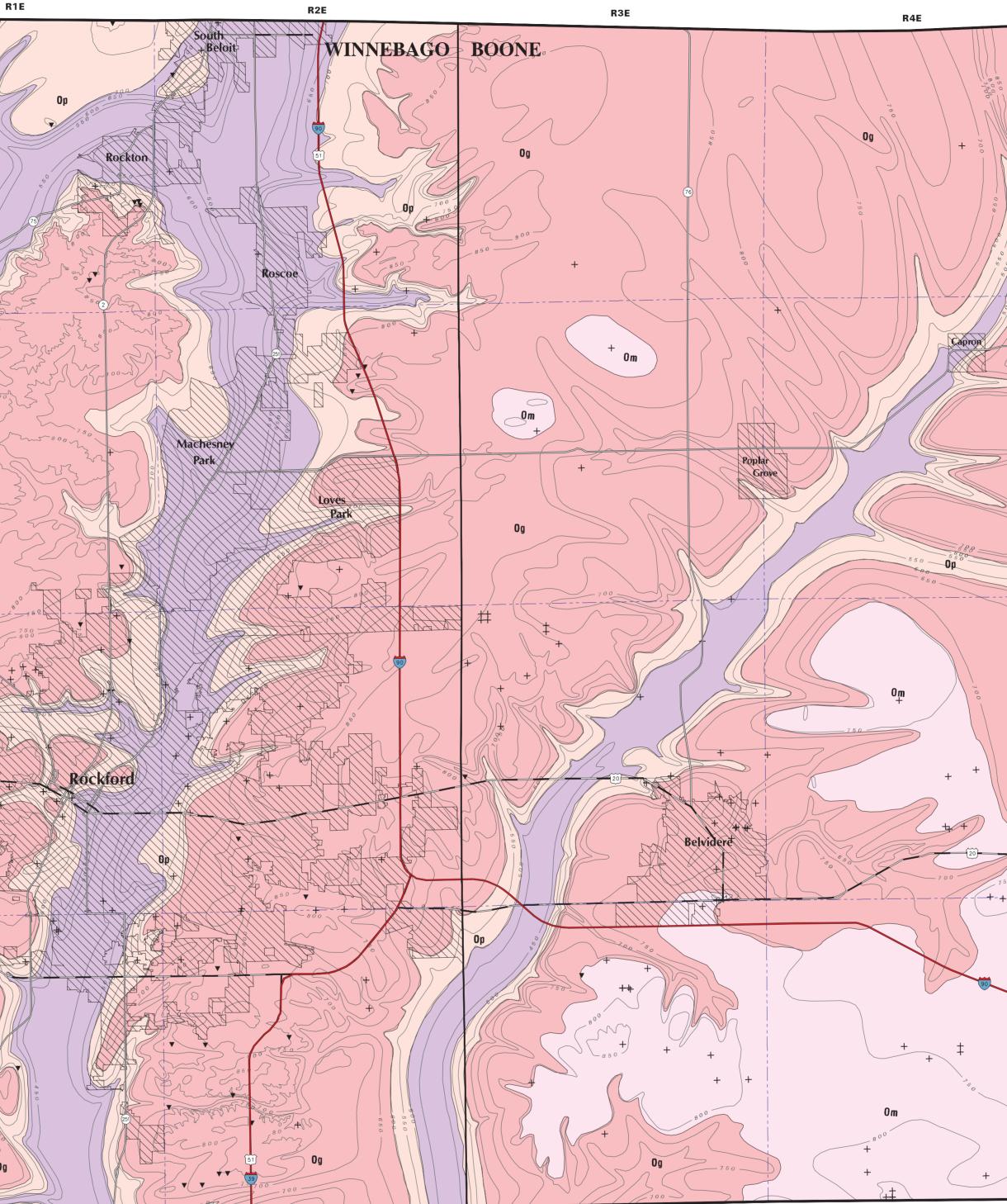


Well Bedrock Exposure



No. Interstate Highway US Highway State Highway

Municipality Bedrock Topography Contour Interval 50 Feet **Christopher S. McGarry**



Scale 1:100,000 1 inch equals approximately 1 1/2 miles 10 Kilometers ннннй Lambert Conformal Conic Projection

Preparation of this map by the Illinois State Geological Survey was supported, in part, by the Illinois Department of Natural Resources Environmental Protection Trust Fund. The map is part of a study to characterize the stratigraphy and structural geology of the Galena- Platteville Aquifer in Boone and Winnebago Counties. Maps produced for this study are intended for regional aquifer protection and land use planning purposes. More detailed mapping is needed for site specific considerations. This map has been reviewed for scientific accuracy and has been edited to meet the quality standards of maps in the ISGS Map Series.



Illinois State Geological Survey William W. Shilts, Chief Champaign





Data used to map the bedrock geology of Boone and Winnebago Counties included United States Geological Survey 7.5- minute topographic quadrangles, ISGS well logs, Illinois Department of Transportation borings, United States Department of Agriculture soil survey maps, previous studies conducted by Willman and Kolata (1978) and Kolata and Graese (1983), and project field observations. Well data used included 122 core and drill- cuttings analyses, 14 geophysical log studies, and 58 water well driller records. Due to the suspect accuracy of well driller records, only carefully selected driller records in areas lacking core/cuttings analyses or geophysical logs were used. Of the 194 well data points, 24 were found to be inconsistent with surrounding well descriptions. These anomalous well records, primarily water well records, either had incorrect descriptions of the strata encountered or incorrect location information and were ignored. Only the remaining 170 well data points were used in the mapping.

The geologic units commonly penetrated by water wells and other shallow boreholes in Boone and Winnebago Counties include unlithified Quaternary sediments, predominantly glacial deposits, underlain by Paleozoic bedrock, deposited as marine sediments. These sediments and rocks, roughly 760 m (2494 ft.) thick in northern illinois, comprise a thin veneer of rock over the Precambrian crystalline basement.

Bedrock geology is a significant consideration for land use planning in this region. The dolomite and sandstone bedrock formations are important groundwater resources throughout northern Illinois. Land use decisions should be made with consideration for the protection of groundwater resources from potential contamination. In addition to groundwater resources, dolomite formations near the land surface are current or potential rock product resources.

The outcropping (or subcropping in the subsurface) pattern of the bedrock geology is largely controlled by deep bedrock valleys. These valleys incise into the Ancell Group, although these strata are not exposed anywhere in the two- county region. Outcropping of younger strata to the southeast reflects the gentle regional dip, a result of the uplift of the Wisconsin Arch. It is interesting to note the presence of the Pecatonica Anticline, southeast of the town of Pecatonica. This structure is a small anticline about 10 km (6.2 mi.) long and 3 km (1.9 mi.) wide with about 9 m (29.5 ft.) of vertical uplift. An inactive quarry east of Pecatonicareveals very gently northeast- dipping beds, a subtle exposure of this structure.

References:

- Kolata, D.R. and A.M. Graese (1983) Lithostratigraphy and Depositional Environments of the Maquoketa Group (Ordovician) in Northern Illinois: Illinois State Geological Survey Circular 528, 49 p.
- Willman, H.B. and D.R. Kolata (1978) The Platteville and Galena Groups in Northern Illinois: Illinois State Geological Survey Circular 502, 75 p.

			FORMATION	
SEQ.	SYSTEM	GROUP	FORMATION & THICKNESS	GRAPHIC COLUMN
TEJAS	QUATER- NARY 0-0.7 m.y. B.P.		0 - 137 m (0 - 450 ft.)	
	SILUR. 405 - 440 m.y. B.P.		15 m (50 ft.)	
NOE	7	Maquoketa	46 - 61 m (150 - 200 ft.)	
TIPPECANOE	ORDOVICIAN 440 - 490 m.y. B.P.	Galena	76 m (250 ft.)	
	ORD 440	Platteville	30 m (100 ft.) 	
		Ancell	2-18 m (5-60 ft.) St. Peter 61-122 m (200-400 ft.)	
			Potosi 15-30 m (50-100 ft.) Franconia 15-30 m (50-100 ft.)	
SAUK	CAMBRIAN 500 - 515 m.y. 8.P.		Ironton – Galesville 23-52 m (75-170 ft.)	
SA	AMBRIA 500 - 515 m.y. 8.P.		Eau Claire 107-137 m (350-450 ft.)	
	0 "		Mt. Simon 305-488 m (1000-1600 ft.)	
		RIAN	GRANITE	

Appendix E

Factsheet

Environmental Protection Agency

Source Water Assessment Program Factsheets

Select Water System Type	
Community	~
Select County	
Boone	~
Search County	
Or	
Enter any part of a Facility Name	
Search Facility Name	
Search Results	
POPLAR GROVE SOUTH	~
Select Water System	

Item 9.

factsheet

To view a summary version of the completed Source Water Assessments, you may search our records by county or public water supply name. This summary information describe <u>litem 9.</u> pertinent sub-sections of each completed assessment including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts. However, summaries of Source Water Protection Efforts have not been documented for non-community water supplies. It should be noted that these Source Water Assessment summaries are presented in strict compliance with Illinois EPA's security policy on the release of sensitive information. Therefore, all locational data and maps pertaining to wells, aquifers and/or surface water intakes have been removed. To obtain a complete version of the Source Water Assessment Report, please contact your local water supply officials.

Water Percentages:

Surface Water %	Surface Water Purchase %	Ground Water %	Ground Water Purchase %	Ground Water UDI %	Ground Water UDI Purchase %
0.00	0.00	100.00	0.00	0.00	0.00

Importance Of Source Water:

Poplar Grove South (Facility Number IL0070300) utilizes two active community water supply (CWS) wells. Well #5 and Well #6 (Illinois EPA ID WL01505 and WL01693, respectively) provide approximately 69,159 gallons per day delivered to 385 service connections, and serves an estimated population of 1,155.

Well Data For This Facility:

Well ID	Well Description	Status	Depth	Minimum Setback	Pumpage	Aquifer Code	Aquifer Description	Max Zone
WL01505	WELL 5 (01505)	А	220.00	200	0	0101	Sand & Gravel	0
WL01693	WELL 6 (01693)	А	208.00	200		0101	Sand & Gravel	0

Intake Details:

No Data

Source Water Quality:

Poplar Grove South's Well #5 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC) and volatile organic compounds (VOC). Well #6 was sampled in 2011 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410. Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants. Monitoring of Poplar Grove South's wells did not indicate the presence of bacterial contaminants.

Finished Water Quality:

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factsheet

As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards. Further information on finished wat quality data tables of monitored parameters, contaminants detected, health advisory information, drinking water standards, and maximum contaminant levels, is available at Drinking Water Watch (http://water.epa.state.il.us/dww). Similar information is also available in the Consumer Confidence Report supplied by Poplar Grove South to its consumers.

Potential Sources Of Contamination:

The Illinois EPA performed a survey to identify potential sources of contamination to the community's well water. Sources are identified based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. During the survey of Poplar Grove South's source water protection area in 2011, no potential sources for Well #5 or Well #6 were identified. In addition, the Illinois EPA made use of information from its leaking underground storage tank database (http://epadata.epa.state.il.us/land/ust/search.asp) and site remediation program (SRP) database (http://epadata.epa.state.il.us/land/srp/search.asp) to further assess potential sources of contamination. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA). No additional sites were found in these databases.

Site Data For This Facility:

No Data

Susceptibility To Contamination:

The Illinois EPA does not consider Poplar Grove South's source water to be susceptible to contamination. This determination was made based on the identification of potential sources and routes of contamination, land-use activities around the well, available hydrogeological data, and monitoring results. During the survey of the source water protection area, no potential sources were identified within the minimum setback zones or the 1,000 foot Phase I Wellhead Protection Areas (WHPA) for Well #5 or Well #6. Sampling performed to assess for pathogenic contamination (e.g., virus, total coliform, e-coli) has also demonstrated that the source water is not susceptible to these types of contaminants.

Source Water Protection Efforts:

The Illinois Environmental Protection Agency provides a minimum protection zone of 200 feet for Poplar Grove South's wells. This minimum protection zone is regulated by the Illinois EPA. To further minimize the risk to the groundwater supply, the Illinois EPA recommends that three additional activities be considered. First, the water supply staff may wish to revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize their risk of being without safe and adequate water. Second, the water supply staff is encouraged to conduct a biennial cross connection survey of the distribution system as outlined in the cross connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review their cross connection control ordinance to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives. Finally, the Illinois EPA recommends continuing efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells.

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Report a Problem

Engineering Report

Source Water Protection Plan West Water System



Prepared for The VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

July 2024 McM. No. P0013 07-24-00111



Engineering Report

Engineering Report

Source Water Protection Plan West Water System



Prepared for The

VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC. MACHESNEY PARK, ILLINOIS

July 2024 McM. No. McM. No. P0013 07-24-00111

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 - D. Team Members
- III. SOURCE WATER ASSESSMENT
 - A. Importance of Source Water
 - B. List of Water Supplies
 - C. Delineation of Sources
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Engineering Report

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Engineering Report

Source Water Protection Plan West Water System



Prepared for The

VILLAGE OF POPLAR GROVE BOONE COUNTY | ILLINOIS

Prepared By

McMAHON ASSOCIATES, INC. MACHESNEY PARK, ILLINOIS

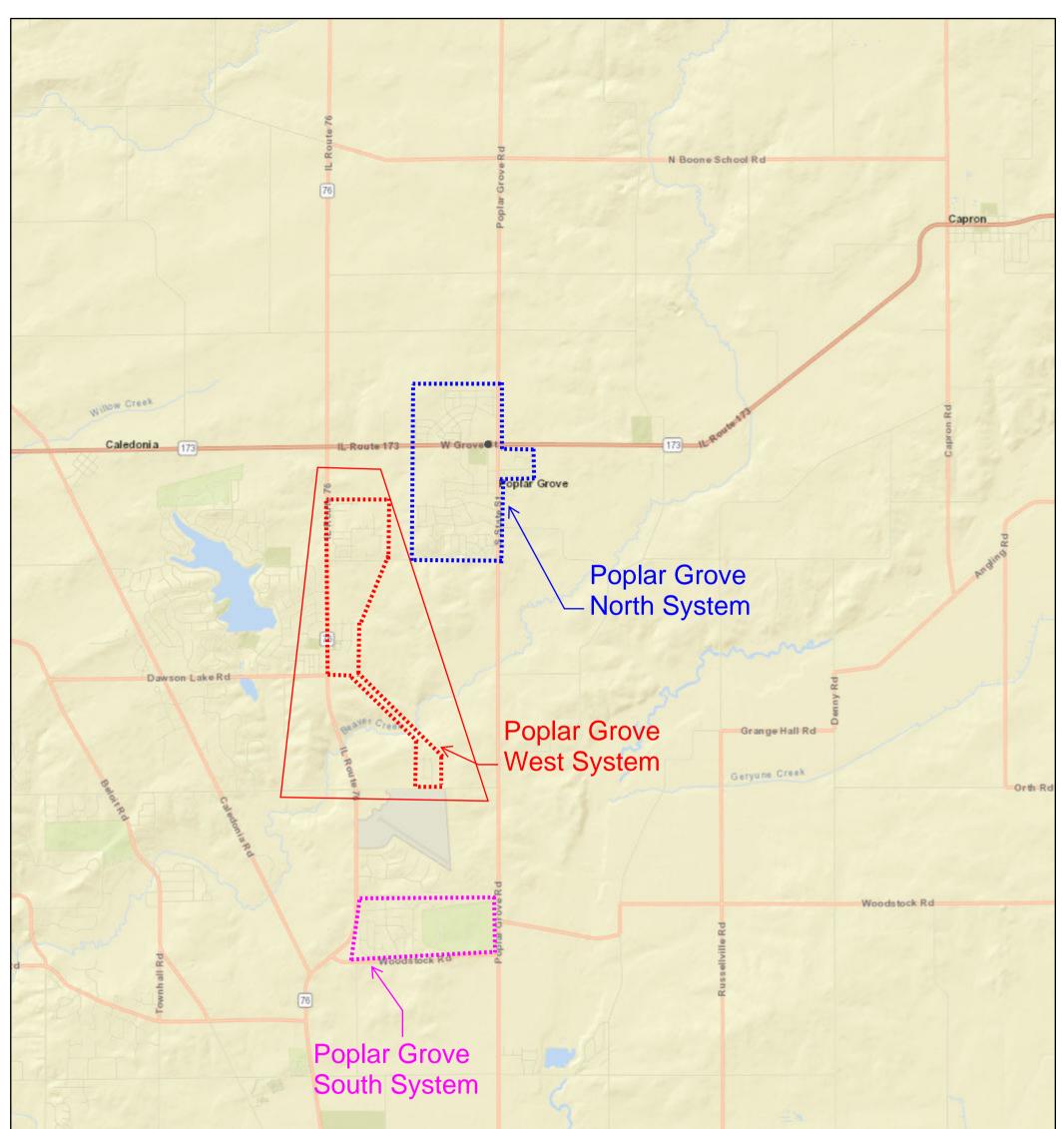
July 2024 McM. No. McM. No. P0013 07-24-00111

I. INTRODUCTION

The Village of Poplar Grove is located in Boone County, Illinois. Per the 2020 U.S. Census data, the Village has a population of 5,049 people. There are three drinking water systems in the Village of Poplar Grove, West, South and the North systems (Figure 1). This Source Water Protection Plan Report will focus on the West Water System. The sole source of water for the Poplar Grove West distribution system is groundwater.

Protecting the raw water supply has been increasingly recognized as a critical element in the overall mission of delivering a safe and reliable supply of drinking water to consumers. This Source Water Protection Plan has been developed by McMahon Associates, Inc. (McMAHON) on behalf of the Village of Poplar Grove in accordance with applicable regulations as part of an overall strategy to continue to provide reliable, quality drinking water. The program involves identifying potential risks

Figure 1 - Map of Poplar Grove, IL

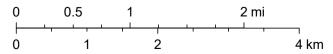




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McMahon Associates, Inc. does not guarantee this information to ¹²⁸

The information is intended for use as a general reference and not intended or suitable for site-specific uses. Any use to the contrary of the stated uses is the responsibility of the user and such use is at the user's own

that could affect the drinking water supply and seeking to manage those risks, when possible, to maintain supply quantity and quality.

The Source Water Protection Plan has been prepared in accordance with 35 ILL. Admin. Code 604.300. The following elements are included in this plan:

- Vision statement
- Source water assessment
- Source water protection plan objectives
- Action plan

II. VISION STATEMENT

A. Commitment to Protecting Source Water

Source water protection implementation is a local effort that requires unwavering commitment every day. The Village of Poplar Grove's policy and commitment to protecting source water is reflected in the following Vision Statement developed by the Village of Poplar Grove's Source Water Protection team. The team includes Village President Don Sattler, Public Works Director David Howe, Village Trustees Dan Cheek, Owen Costanza, Austin Davies, Jeff Goings, Bruce Moore, and Elizabeth Straw, and Village's Contract Operator Test, Inc. The Board of Trustees passed a resolution confirming the Vision Statement. The Vision Statement resolution is attached in Appendix A.

The Village of Poplar Grove Community Water Supply Source Water Vision Statement is as Follow:

The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for our customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure.

B. Community Water Supply's Resources

Source water protection and minimizing or eliminating contamination risks or threats is a fundamental part of providing safe drinking water to the public. In doing so, the Village is committed to providing a sustainable water system.

The Village resources to safeguard the water supply sources include a certified water operator, a financial commitment, and yearly planning and budgeting. This annual budget includes salaried staff, maintenance, and resource funds for drinking water supply related projects. Each year the Village carefully evaluates the infrastructure needs for safe water supply distribution and identifies priority projects to be completed for establishing the water utilities budget.

C. Barriers for Protection of Source Water

A multi-barrier approach is an integrated system of procedures, processes and tools that collectively prevent or reduce the contamination of drinking water from source to tap in order to reduce risks to public health. The multi-barrier approach involves several consecutive steps, including selection of high-quality source water(s), source water protection, water treatment, distribution system management and water quality monitoring.

The Village uses a multi-barrier approach to maintain, safeguard and improve water quality of the groundwater source water supplies. The muti-barrier approach for the groundwater supplies includes routine well maintenance, repair operations and continuous water quality monitoring, sampling and testing that meets state and federal drinking water standards. The Village has adopted minimum setback zones of 200-ft for all the wells. The minimum protection zone area is regulated by the Illinois EPA. The Village has also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system to help reduce the pathways to groundwater sources.

The Village's wells are located outside of special flood hazard areas. If an extremely unusual flood event were to occur, sandbags and trash pumps can be used to protect the wellhead. The Village has adopted procedures for electrical, mechanical and distribution system failures which are all outlined in detail in the 2015 Contingency Plan for Emergency Preparedness, developed by the Village and previously submitted to the Illinois Environmental Protection Agency (IEPA).

D. Team Members

This Plan was developed by McMAHON on behalf of the Village of Poplar Grove in coordination with Village of Poplar Grove staff listed below. The requirements of the Illinois Administrative Code Title 35, Administrative Code, 604, Subtitle F, Subpart C, Subpart C: Source Water Protection Plan were used as guidance.

Name	Title	Phone Number	Email Address
Don Sattler	Village	815-765-3201	dsattler@villageofpoplargrove.com
	President		
Dan Cheek	Village Trustee	815-765-3201	dcheek@villageofpoplargrove.com
Owen	Village Trustee –	815-765-3201	ocostanza@villageofpoplargrove.com
Costanza	Administration		
	& Zoning Chair		
Austin Davies	Village Trustee	815-765-3201	adavies@villageofpoplargrove.com
Jeff Goings	Village Trustee –	815-765-3201	jgoings@villageofpoplargrove.com
	Finance & Public		
	Works Chair		
Bruce Moore	Village Trustee	815-765-3201	bmoore@villageofpoplargrove.com
Elizabeth	Village Trustee	815-765-3201	estraw@villageofpoplargrove.com
Straw			
David Howe,	Director of	815-765-3201	dhowe@villageofpoplargrove.com
Test Inc.	Public Works		
	Contract		
	Operator		

III. SOURCE WATER ASSESSMENT

A. Importance of Source Water

Water is the most essential resource for every community on Earth. Our everyday activities in our community directly and indirectly impact the rivers, streams and lakes in our regional watershed and those into which our wastewater plants discharge treated water.

Groundwater is the source of about 37 percent of the water that county and city water departments supply to households and businesses for public supply. It provides drinking water for more than 90 percent of the rural population who do not get their water delivered to them from a county/city water department or private water company. In addition, about 42 percent of the water used for irrigation comes from groundwater.

B. List of Water Supplies

The Village utilizes treated groundwater as the potable water supply source to service the community. The Village's West Water System is identified by the IEPA as Water System No. IL0070350. The West Water System utilizes one active community water supply well (Well #4, WL01420, previously called Well #1) which obtains water from a groundwater sand and gravel

aquifer. Well #4 provides approximately 47,770 gallons per day of water to 283 service connections or a population of 621 individuals.

The Well is located north of Menge Lane and serves residents in the Countryside area subdivisions of West Grove, Breakaway Trail, and Trials of Dawson Creek. Well #4 backs up the North Water System through a two-way PRV located on Whiting Road. There is also an interconnect between Candlewick Lake's system and Poplar Grove's west system along IL 76. Refer to Figure 2 for a map displaying the well location.

C. Delineation of Sources

a. Groundwater

The Village relies on groundwater supplies for potable water supply for the community and for emergency water supplies. Groundwater from the active well is obtained from bedrock within the Ordovician System, which includes the Galena group. Unconsolidated sand and gravel deposits are tapped for municipal water supplies for Well #4 at the Village of Poplar Grove. An ISGS well drilling log with detailed geology can be found in Appendix B.

Wells #4 has a minimum 200-ft. radius setback zone and no maximum setback zone. Well #4 also has a Phase 1 Wellhead Protection Area (WHPA) buffer radius of 1,000 feet based on the IEPA source water assessment program (SWAP) mapping system. Refer to Figure 3.

According to the 1986 Safe Drinking Water Act Amendments, groundwater recharge protection areas (GRPs) are identified as, "the surface and subsurface area surrounding a water well or wellfield, supplying a public water system, through which contaminations are reasonably likely to move toward and reach such water well or wellfield". Groundwater recharge protection areas are those land areas which contribute water to the pumping wells.

The potential for aquifer recharge at Wells #4 is classified as "Low potential for recharge" in the IEPA SWAP mapping system. According to the IEPA SWAP database, there are no regulated recharge areas, groundwater restriction ordinances or Class III Special Resource Groundwater areas near Well #4.

The major components of the water system are summarized in Table #1 below. The well construction log is provided in Appendix B.

Figure 2 - West Water System

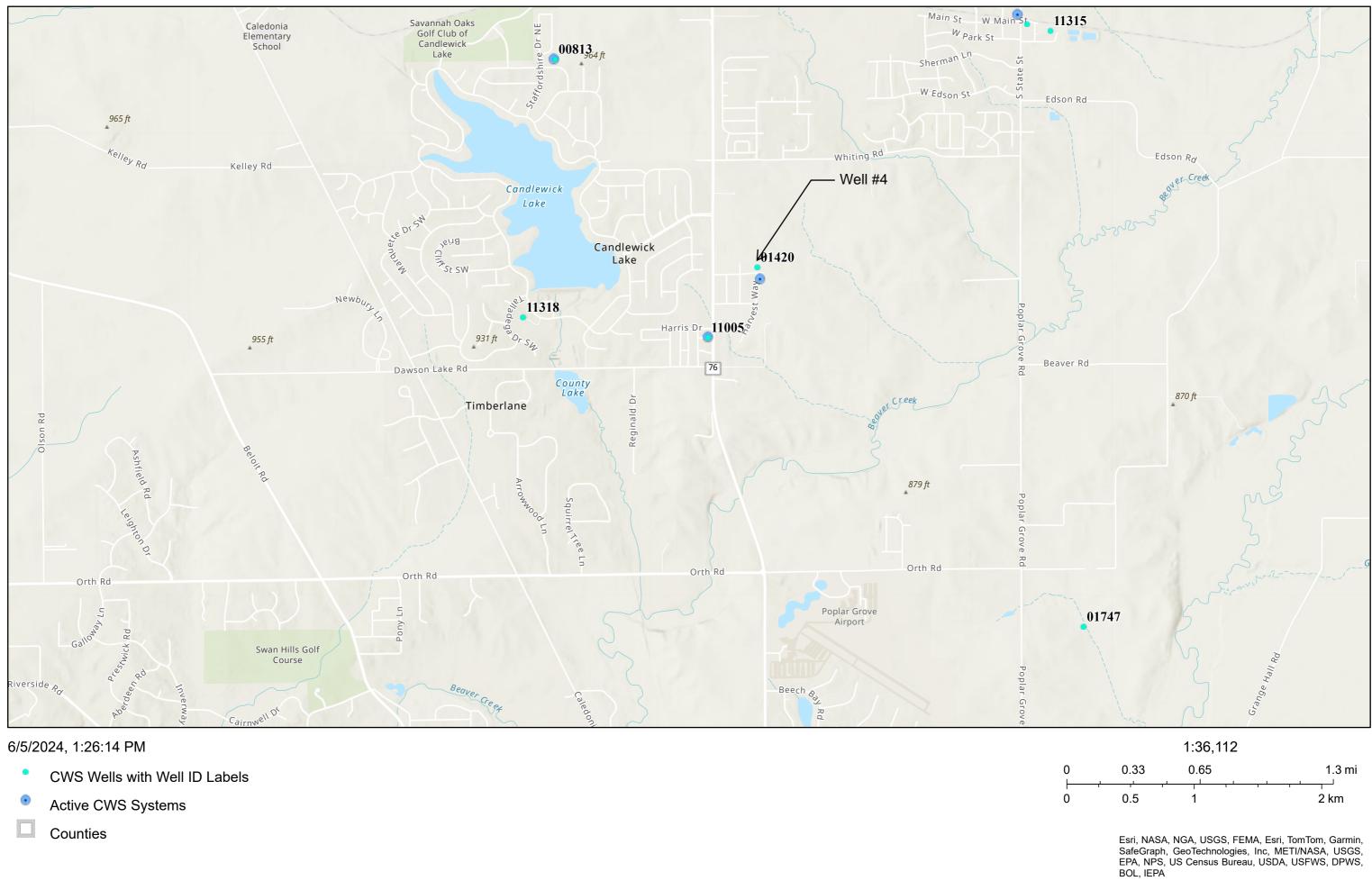
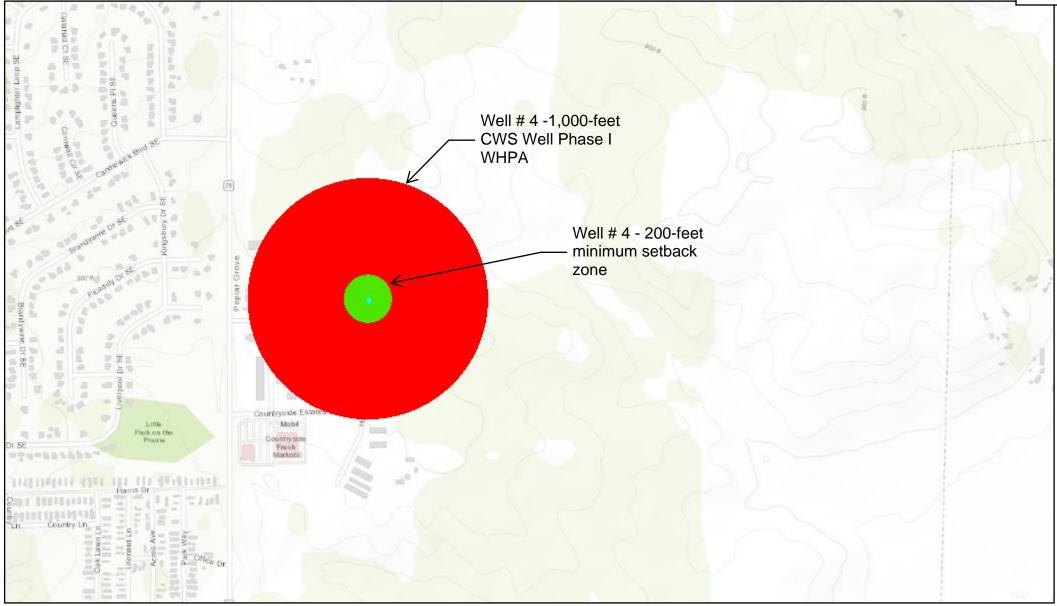




Figure 3 - Wellhead Protection

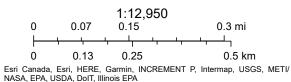


6/6/2024

CWS Wells Minimum Setback Zone



Class 3 Groundwater



Item 9.

<u>Table #1</u>
Historical Summary of the Wells Constructed
Village of Poplar Grove, Illinois

Water System	Well Description /ID No.	Year Constructed	Well Depth, ft	Aquifer Description	Well Status	Min Setback, feet	Max Zone, feet
West	No. 4	2001	115	Sand &	Active	200	0
	(WL01420)			Gravel			

D. Source Water Quality

a. Local Source Water Quality Monitoring

The groundwater pumped at active Well #4 (Water System IL0070350) is sampled by the Village and tested periodically by an accredited laboratory. The sample frequency of the wells obtained from the IEPA Drinking Water Branch portal is summarized in Appendix C.

Table #2
Summary of the Source Water Quality
Village of Poplar Grove, Boone County, Illinois

Parameter	Date	Well #4	Primary Standard MCL	Secondary Standard MCL
Antimony, ug/L	5/23/2005	0	6	
Arsenic, ug/L	5/23/2005	0.76	50	
Barium mg/l	5/23/2005	0.05	2	
Beryllium, ug/L	5/23/2005	0	4	
Cadmium, mg/L	5/23/2005	0	0.005	
Chromium, mg/L	5/23/2005	0	0.1	
Cyanide, mg/L	5/23/2005	0	0.2	
Floride, mg/L	5/24/2005	0.15	4	
Mercury, mg/L	5/23/2005	0	0.002	
Nickel, ug/L	5/23/2005	0		
Selenium, mg/L	5/23/2005	0	0.05	
Thallium, TOTAL, mg/L	5/23/2005	0	0.002	
Sodium, mg/L	5/23/2005	11		
Nitrate, mg/L	5/23/2005	0	10	
Lead, mg/L	5/23/2005	0	0.015	
Copper, mg/L	5/23/2005	0	1.3	1
Alkalinity, mg/L	5/23/2005	289		
Calcium, ug/L	5/23/2005	89,000		

Chloride, mg/L	5/23/2005	36.6	250
Iron, mg/L	5/23/2005	0.57	0.3
Magnesium, ug/L	5/23/2005	39,000	
Manganese, mg/L	5/23/2005	0.062	0.05
pH, s.u.	5/23/2005	6.75	6.5-8.5
Hardness, mg/l	5/23/2005	380,00 0	
TDS, mg/L	5/23/2005	521	500
Sulphate, mg/L	5/23/2005	61.8	250
Aluminum, mg/L	5/23/2005	0	0.05-0.2
Nitrogen-Ammonia, mg/l	5/23/2005	0	
Iron, ug/L	5/23/2005	570	300
Potassium, ug/L	5/23/2005	0	
Silica, mg/L	5/23/2005	15.3	
Silver, ug/L	5/23/2005	0	
Strontium, ug/L	5/23/2005	64	
Boron, ug/L	5/23/2005	12	
Cobalt, TOTAL, ug/L	5/23/2005	0	
Molybdenum, ug/L	5/23/2005	0	
Vanadium, ug/L	5/23/2005	0	
Phosphorus, mg/L	5/23/2005	0	
Zinc, mg/L	5/23/2005	0	5
Phenols, ug/L	5/23/2005	0	

Well #4 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data displayed in Table #2 indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410.

Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants. Monitoring of Poplar Grove West did not indicate the presence of bacterial contaminants.

b. Finished Water Quality

The water quality of the currently active well was measured over the period of 2013 to 2023 and has been tabulated in Table 3. As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards.

Engineering Report

Parameter	Well #4 (TP 1)	Primary Standard MCL	Secondary Standard MCL
Nitrate, mg/l	0.16	10	
Barium, ug/l	54.15	2000	
Fluoride, mg/l	0.75	4	
Iron, mg/l	0.57		0.3
Manganese, ug/l	95.40		50
Nickel, ug/l	5.00		
Sodium, mg/l	19.88		
Sulphate, mg/l	44.55		250
Arsenic, ug/l	2.26	50	
Chlorine, mg/l	72.00		250
Magnesium, mg/l			
Selenium, ug/l		50	
Calcium, mg/l	93.90		
Total Hardness, mg/l, as CACO3	408.00		
Total Alkalinity, mg/L	305.00		
TDS, mg/L	453.00		500
Zinc, ug/L	0.16	10	

<u>Table #3</u> Summary of Finished Water Quality (2013 through 2023) Village of Poplar Grove, Boone County, Illinois

The IEPA began testing the Village's water system for 18 compounds known as Per- and Polyfluoroalkyl Substances (PFAS) as part of a statewide investigation of community water supplies. PFAS are a group of thousands of manmade substances that have been produced in the United States since the 1940s and utilized for a variety of applications ranging from water and stain-proofing to firefighting. Some PFAS have been phased out of production in the United States due to environmental and human health concerns, yet they persist in the environment and may contaminate surface and ground waters. All of the analytes sampled were below the health-based screening levels (Appendix C).

E. Potential Sources of Contamination

Land use activities can be potential sources of contamination to drinking water sources. The following are potential contaminated sources identified by the USEPA that can pose threats to negatively impact source watersheds such as lakes, rivers, streams, wetlands and groundwater source supplies:

- Microbial contaminants, such as viruses and bacteria from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Organic chemical contaminants, including synthetic and volatile organic chemicals from the production or storage of petroleum and industrial products, urban stormwater runoff, and septic systems.
- Pesticides and herbicides from agriculture, stormwater runoff, and residential uses.
- Radioactive contaminants, which occur naturally or result from industrial processes.
- Inorganic contaminants, such as salts and metals, that result from urban stormwater runoff, industrial or domestic wastewater discharges, or farming.
- Non-point sources of pollution caused by snowmelt and rainfall runoff including fertilizers, herbicides and insecticides from farming and residential areas; bacteria and nutrients from urban runoff; airborne pollutants from industrial and urban fallout; oil and chemicals from spills, releases and urban runoff; sediment from various land sources and urban runoff.

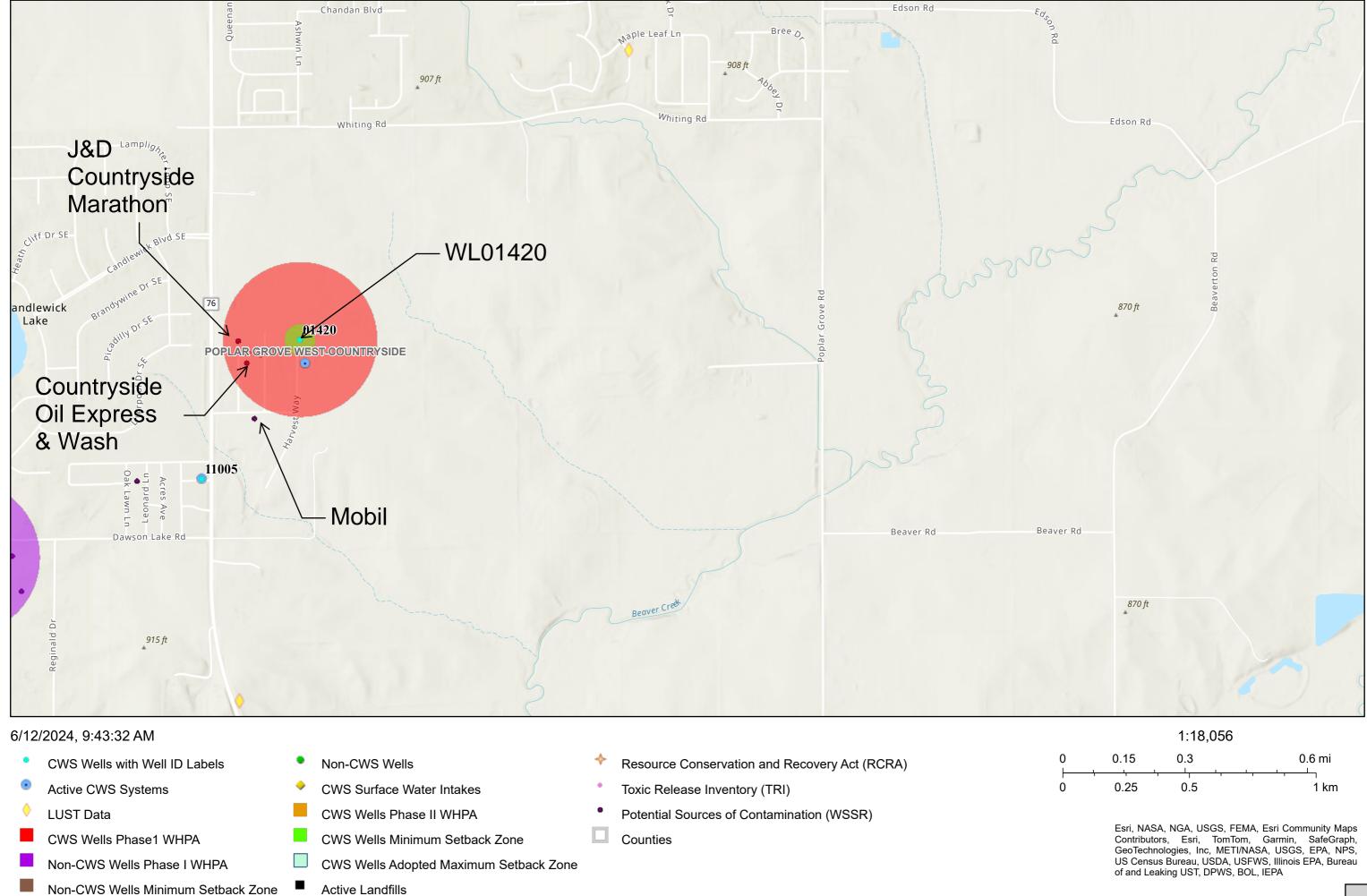
a. Wells Groundwater Source Inventory

Land use activities in the Village can pose a wide range of pollution threats to the source of groundwater. In order to identify potential sources of contamination a state and federal database report was obtained for Wells. The Source Water Assessment Program Factsheet provides data regarding the names and locations of several types of facilities engaged in operations of potential environmental concern. This is attached in Appendix E.

The search radius of properties located within a quarter mile (or 1,320 feet) was completed in order to capture properties within 1,000-ft. radius for the wellhead. The fixed radius distance of a quarter mile is in accordance with the IEPA recommended 1,000-ft. radius from the wellhead for this inventory of sites.

The sites labeled on the Map in Figure 4 and described in Table 4 are considered "potential" sources of contamination. These sites were identified through the Illinois EPA's Well Site Survey, IEPA Source Water Assessment Factsheet and USEPA Drinking Mapping Applications to Protect Source Waters (DWMAPS), leaking underground storage tank database and site remediation program database based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA).

Figure 4 -Potential Source of Water Contamination



Esri Community Maps Contributors, @ OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS | Esri, NASA, NGA, USGS, FEMA | DPWS, BOL, IEPA | Illinois State Geological Survey | Illinois EPA, DoIT | Illinois E

Web AppBuilder for ArcC

139

Site Name/Location	Site Description	Distance to Wellhead, feet	
J&D Countryside Marathon Gas– 13615 IL-76, Popular Grove IL, 61065	Gas Station, below ground petroleum greater than 500 gallons gas station	800-ft	
Countryside Oil Lube -4209 Menge Lane, Popular Grove IL, 61065	Auto Repair	730-ft	
Mobil – 13517 IL-76, Popular Grove IL, 61065	Gas Station, below ground petroleum greater than 500 gallons gas station	1,170-ft	

Table #4Potential Sources of Contamination in Well #4 Recharge AreaVillage of Poplar Grove, Boone County, Illinois

F. Susceptibility to Contamination

There are three (3) sources of groundwater contamination that could pose a hazard to groundwater utilized by the Poplar Grove community water supply wells. The Illinois EPA does not consider Poplar Grove West system source water susceptible to contamination. This determination is based on a number of criteria including: the identification of potential sources and routes of contamination, land-use activities around the well, monitoring conducted at the entry point to the distribution system, and the available hydrogeologic data on the well.

During the survey of the source water protection area, two (2) potential sources of contamination were identified within the 1,000-foot Phase I Wellhead Protection Area (WHPA) for Well #4. One additional potential source was identified outside of the Phase I WHPA Sampling performed to assess for pathogenic contamination (e.g., virus, total coliform, e-coli) has also demonstrated that the source water is not susceptible to these types of contaminants.

G. Existing Source Water Protection

The Village's current efforts to protect the groundwater source water include ongoing maintenance, along with sampling and testing of the groundwater which is routinely monitored by the Village water professionals and contract laboratories. The Village completes routine inspection, operation, and maintenance of the active well and the emergency use groundwater supply well.

The Illinois Environmental Protection Act provides minimum protection zones of 200 feet for Well #4. These minimum protection zones are regulated by the Illinois EPA. In addition, the Village has

also adopted a zoning code, cross connection ordinance, and ordinances requiring connection to the public water system.

IV. SOURCE WATER PROTECTION PLAN OBJECTIVES

Based off the potential sources of contamination and analysis of susceptibility identified in the Source Water Assessment, Poplar Grove identified and created the following Source Water Protection Plan objectives.

The Village will revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that through emergency preparedness, a community will minimize their risk of being without safe and adequate water.

Th Village will conduct a biennial cross connection survey of the distribution system as outlined in the cross-connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 Ill. Adm. Code, Sections 607.104(d), 653.801(c)] and to review the cross-connection control ordinance to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives.

The Village will continue efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

Finally, the Village will investigate a "maximum setback zone" ordinance for Well #4. These ordinances are authorized by the Illinois Environmental Protection Act and allow county and municipal officials the opportunity to provide additional protection up to a fixed distance, normally 1,000 feet from their wells.

V. ACTION PLAN

In order to meet its Source Water Protection Plan objectives, the Village of Poplar Grove will continue its many current initiatives (as described in Section III of this Source Water Protection Plan), as well as implement the following new, strategies, programs, and activities. These new activities are organized in the following table by the Objective they help support.

Objective	Action Plan	Schedule	Resources
Contingency planning	Contingency planning documents are a primary means to ensure	Annually	Public Works
	that, through emergency preparedness, a community will		Department,
	minimize their risk of being without safe and adequate water.		Operating
	Revisit and revise the Villages Contingency documents. Conduct		Budget.
	training exercise for emergency response procedures.		
Review the cross-	Review the cross-connection control program to ensure that it	Annually	Public Works
connection control	remains current and viable. Cross connections to either the water	-	Department,
program	treatment plant or in the distribution system may negate all		Operating
	source water protection initiatives provided by the community.		Budget
Evaluate additional	Continue efforts to evaluate additional source water protection	Annually	Public Works
source water	management options to address the regulatory and non-		Department,
protection	regulatory land use activities within the WHPA of the community		Operating
management options	wells.		Budget
	Poplar Grove could apply for a Phase II and V Monitoring Waiver,		
	which is granted to facilities with a low risk of contamination. This		
	could substantially reduce monitoring costs for the community.		
	The Illinois EPA recommends that the source water protection		
	plan be developed and implemented pursuant to the American		
	Water Works Association G300 Standard.		
Revised maximum	Modify maximum setback ordinance to include Well #4 with a	2025	Public Works
setback of Well #4.	setback of 1,000-feet.		Department,
			Ordinance
			Revision

Appendix A

Vision Statement Resolution

Engineering Report

RESOLUTION 24- 图与

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE TO ADOPT A VISION STATEMENT FOR THE VILLAGE'S SOURCE WATER PROTECTION PLAN

WHEREAS, the Village of Poplar Grove, Illinois ("Village") is required to develop a Source Water Pollution Protection Plan ("SWPP"); and

WHEREAS, the Village recognizes the importance of providing clean, safe drinking water for its residents and customers; and

WHEREAS, the Village desires to adopt a Vision Statement that will serve as the foundation for its SWPP; and

WHEREAS, the Village has determined that it is in the best interest of the Village and its citizens to adopt a comprehensive Vision Statement that outlines the Village's commitment to protecting its source water as set forth herein.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Poplar Grove, Boone County, Illinois, that:

- 1. The above recitals are incorporated herein and made part hereof.
- 2. The Village adopts the following Vision Statement for it SWPP, "The Village of Poplar Grove is dedicated to providing reliable, quality drinking water for its customers through preserving the quality and quantity of groundwater resources. The Village has certified operating staff and a reserved operating budget to assure a safe and adequate water supply for the present and future generations. The Village is committed to protecting groundwater resources by actively eliminating potential contamination threats and by safeguarding the existing water supply and water infrastructure."

PASSED UPON MOTION BY CONST
SECONDED BY Check
BY ROLL CALL VOTE THIS 19 DAY OF June, 2024
AS FOLLOWS:
VOTING "AYE": Check, Costanza, Davies, Crangs, Mare
Straw
VOTING "NAY":
ABSENT, ABSTAIN, OTHER

APPROVED June 19 , 2024.

VILLAGE PRESIDENT

SEA L ATTEST: alor VILLAGE CLERK

Appendix B

Well Logs

	Тор	Bottom
clay & stones	0	75
sand & gravel	75	115
Total Depth		115
Casing: 4" PLASTIC from -1' to 110' 4" PLASTIC SCREEN from 110' to 115'		
Screen: 5' of 4" diameter 20 slot		
Grout: BENTONITE from 0 to 90.		
Water from sand & gravel at 110' to 115'. Static level 9' below casing top which is 1' above Pumping level 50' when pumping at 20 gpm for 2 hour Permanent pump installed at 100'		
on October 14, 2001, with a capacity of 24 gpm Remarks: driller's est well yield 40 gpm/for mall		
Owner Address: % Country Side Mall 301 Office Dr. Po	oplar Grove	
Address of well: Country Side Mall Poplar Grove, IL Add'l loc. info: Subdivision: Country Side Mall		
Location source: Location from permit Verified by 2021.	: VJA on Feb	uary 23
Image viewing help: New users please read this.		
GET FILE IL State Water Survey Document GET FILE IL State Water Survey Document		
GET FILE IL State Water Survey Document	007-094	
GET FILE IL State Water Survey Document Permit Date: July 12, 2001 Permit #: COMPANY Rosenquist, Robert G.	007-094	
GET FILE IL State Water Survey Document Permit Date: July 12, 2001 Permit #: COMPANY Rosenquist, Robert G. FARM Harris, Leonard	007-094	
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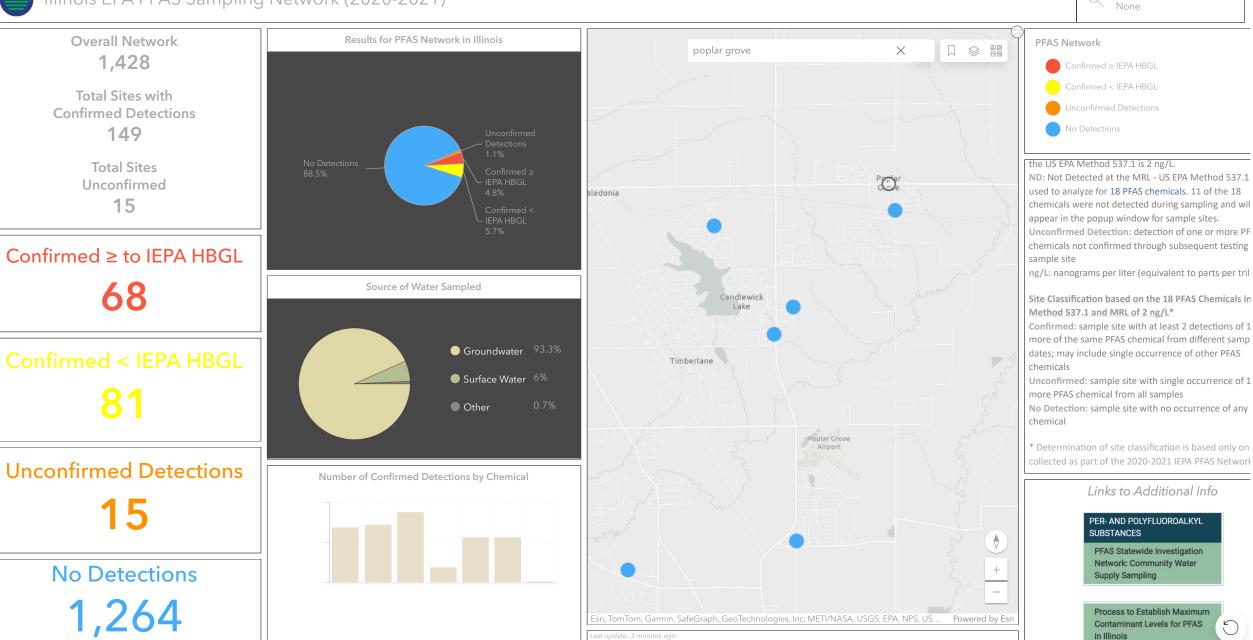
COUNTY Boone API 120072396800 26 - 45N - 3E

Appendix C

PFAS Summary



Illinois EPA PFAS Sampling Network (2020-2021)



Item 9.

Search PWS

Appendix D

Aquifer Geology

ISGS OFS 2000-3





T29N

State of Illinois

R11E

Bedrock Geology of Boone and Winnebago Counties, Illinois

Department of Natural Resources

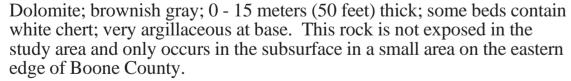
R10E

T28N T27N T26N

Explanation

SILURIAN SYSTEM

S undifferentiated



ORDOVICIAN SYSTEM

Om Maquoketa Group

Shale and dolomite; greenish- gray; silty; fossiliferous (brachiopods, bryozoans); 0 - 61 meters (200 feet) thick; argillaceous dolomite lenses in the lower half. This rock is exposed in a small road cut south of Belvidere.

Og Galena Group

Dolomite; brown and gray; coarse grained; primarily pure; 0 - 76 meters (250 feet) thick; some cherty beds; some argillaceous beds; clay (Kbentonite) beds. These cliff forming- rocks are exposed in the Kishwaukee River and Grove Creek gorges and many quarries throughout the area.

Op Platteville Group

Dolomite; brown and gray; fine to very fine grained; 0 - 40 meters (130 feet) thick; thinner bedded and more argillaceous than the Galena Group. These rocks are exposed in quarries and road cuts in northern Winnebago County.

Oa Ancell Group

Quartz sandstone; white; fine to medium grained; well sorted; pure; 61 - 122 meters (200 - 400 feet) thick; upper 7.6 meters (25 feet) is composed of interbedded dolomite, fine to medium grained sandstone and shale. These rocks are not exposed in the study area.

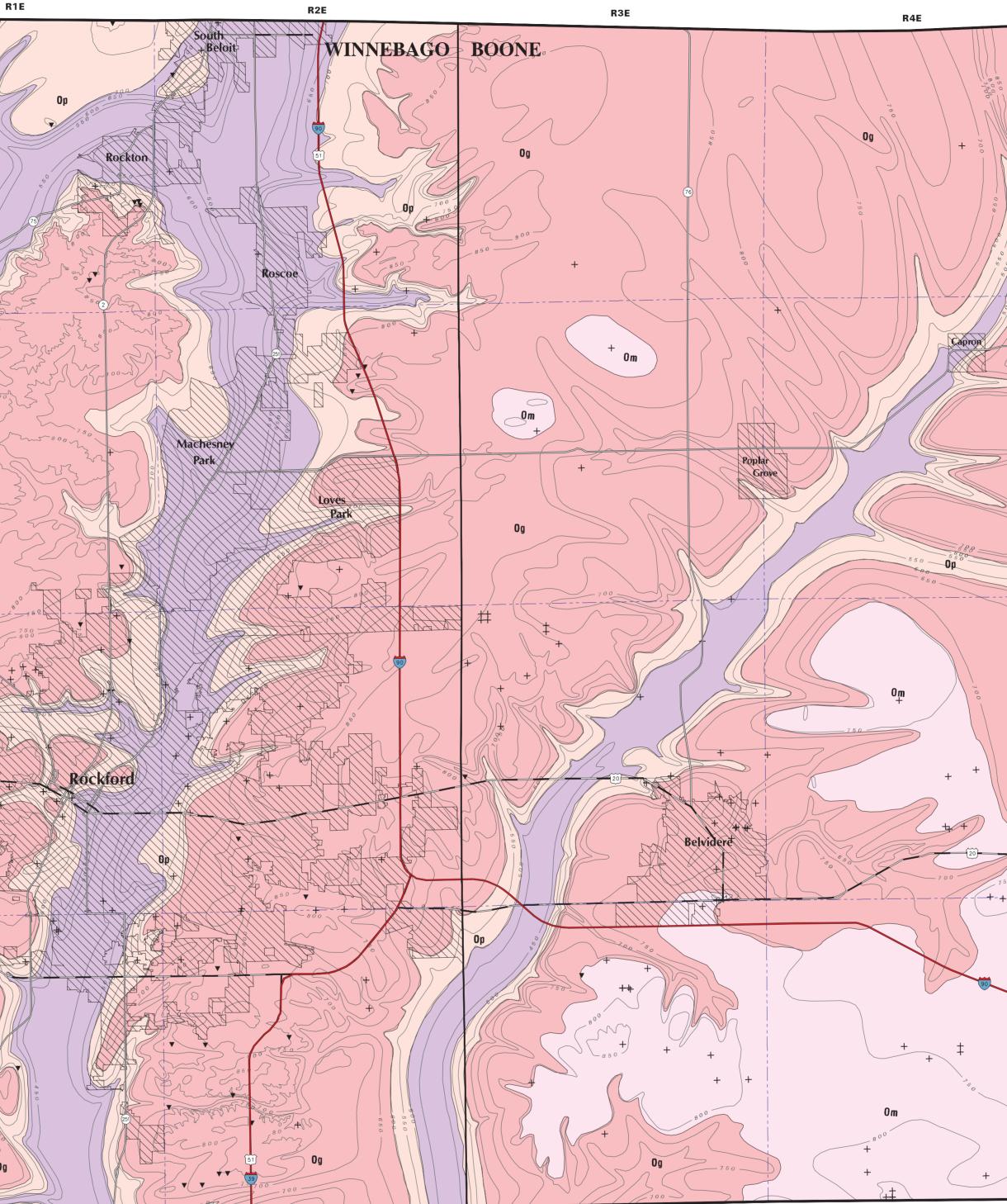


Well Bedrock Exposure



No. Interstate Highway US Highway State Highway

Municipality Bedrock Topography Contour Interval 50 Feet **Christopher S. McGarry**



Scale 1:100,000 1 inch equals approximately 1 1/2 miles 10 Kilometers ннннй Lambert Conformal Conic Projection

Preparation of this map by the Illinois State Geological Survey was supported, in part, by the Illinois Department of Natural Resources Environmental Protection Trust Fund. The map is part of a study to characterize the stratigraphy and structural geology of the Galena- Platteville Aquifer in Boone and Winnebago Counties. Maps produced for this study are intended for regional aquifer protection and land use planning purposes. More detailed mapping is needed for site specific considerations. This map has been reviewed for scientific accuracy and has been edited to meet the quality standards of maps in the ISGS Map Series.



Illinois State Geological Survey William W. Shilts, Chief Champaign





Data used to map the bedrock geology of Boone and Winnebago Counties included United States Geological Survey 7.5- minute topographic quadrangles, ISGS well logs, Illinois Department of Transportation borings, United States Department of Agriculture soil survey maps, previous studies conducted by Willman and Kolata (1978) and Kolata and Graese (1983), and project field observations. Well data used included 122 core and drill- cuttings analyses, 14 geophysical log studies, and 58 water well driller records. Due to the suspect accuracy of well driller records, only carefully selected driller records in areas lacking core/cuttings analyses or geophysical logs were used. Of the 194 well data points, 24 were found to be inconsistent with surrounding well descriptions. These anomalous well records, primarily water well records, either had incorrect descriptions of the strata encountered or incorrect location information and were ignored. Only the remaining 170 well data points were used in the mapping.

The geologic units commonly penetrated by water wells and other shallow boreholes in Boone and Winnebago Counties include unlithified Quaternary sediments, predominantly glacial deposits, underlain by Paleozoic bedrock, deposited as marine sediments. These sediments and rocks, roughly 760 m (2494 ft.) thick in northern illinois, comprise a thin veneer of rock over the Precambrian crystalline basement.

Bedrock geology is a significant consideration for land use planning in this region. The dolomite and sandstone bedrock formations are important groundwater resources throughout northern Illinois. Land use decisions should be made with consideration for the protection of groundwater resources from potential contamination. In addition to groundwater resources, dolomite formations near the land surface are current or potential rock product resources.

The outcropping (or subcropping in the subsurface) pattern of the bedrock geology is largely controlled by deep bedrock valleys. These valleys incise into the Ancell Group, although these strata are not exposed anywhere in the two- county region. Outcropping of younger strata to the southeast reflects the gentle regional dip, a result of the uplift of the Wisconsin Arch. It is interesting to note the presence of the Pecatonica Anticline, southeast of the town of Pecatonica. This structure is a small anticline about 10 km (6.2 mi.) long and 3 km (1.9 mi.) wide with about 9 m (29.5 ft.) of vertical uplift. An inactive quarry east of Pecatonicareveals very gently northeast- dipping beds, a subtle exposure of this structure.

References:

- Kolata, D.R. and A.M. Graese (1983) Lithostratigraphy and Depositional Environments of the Maquoketa Group (Ordovician) in Northern Illinois: Illinois State Geological Survey Circular 528, 49 p.
- Willman, H.B. and D.R. Kolata (1978) The Platteville and Galena Groups in Northern Illinois: Illinois State Geological Survey Circular 502, 75 p.

			FORMATION	
SEQ.	SYSTEM	GROUP	FORMATION & THICKNESS	GRAPHIC COLUMN
TEJAS	QUATER- NARY 0 · 0.7 m.y. B.P.		0 - 137 m (0 - 450 ft.)	
	SILUR. 405 - 440 m.y. B.P.		15 m (50 ft.)	
NOE	7	Maquoketa	46 - 61 m (150 - 200 ft.)	
TIPPECANOE	ORDOVICIAN 440 - 490 m.y. B.P.	Galena	76 m (250 ft.)	
F	ORD 440	Platteville	30 m (100 ft.) 	
		Ancell	2-18 m (5-60 ft.) St. Peter 61-122 m (200-400 ft.)	
			Potosi 15-30 m (50-100 ft.) Franconia 15-30 m (50-100 ft.)	
SAUK	CAMBRIAN 500 - 515 m.y. B.P.		Ironton – Galesville 23-52 m (75-170 ft.)	
SA	AMBRIA 500 - 515 m.y. 8.P.		Eau Claire 107-137 m (350-450 ft.)	
	0		Mt. Simon 305-488 m (1000-1600 ft.)	
		GRANITE		

Appendix E

Factsheet



Environmental Protection Agency

Source Water Assessment Program Factsheets

Select Water System Type	
Community	~
Select County	
Boone	~
Search County	
Or	
Enter any part of a Facility Name	
Search Facility Name	
Search Results	
POPLAR GROVE WEST-COUNTRYSIDE	~
Select Water System	

factsheet

To view a summary version of the completed Source Water Assessments, you may search our records by county or public water supply name. This summary information describe pertinent sub-sections of each completed assessment including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts. However, summaries of Source Water Protection Efforts have not been documented for non-community water supplies. It should be noted that these Source Water Assessment summaries are presented in strict compliance with Illinois EPA's security policy on the release of sensitive information. Therefore, all locational data and maps pertaining to wells, aquifers and/or surface water intakes have been removed. To obtain a complete version of the Source Water Assessment Report, please contact your local water supply officials.

Water Percentages:

Surface Water %	Surface Water Purchase %	Ground Water %	Ground Water Purchase %	Ground Water UDI %	Ground Water UDI Purchase %
0.00	0.00	100.00	0.00	0.00	0.00

Importance Of Source Water:

Poplar Grove West-Countryside (Facility Number IL0070350) utilizes one active community water supply (CWS) well. Well #1 (Illinois EPA ID WL01420) provides approximately 47,770 gallons per day delivered to 283 service connections, and serves an estimated population of 621.

Well Data For This Facility:

Well ID	Well Description	Status	Depth	Minimum Setback	Pumpage	Aquifer Code	Aquifer Description	Max Zone
WL01420	WELL 1 (01420)	А	121.00	200	0	0101	Sand & Gravel	0

Intake Details:

No Data

Source Water Quality:

Poplar Grove West-Countryside's Well #1 was sampled by the Illinois EPA in 2005 for inorganic chemicals (IOC), volatile organic compounds (VOC), and synthetic organic compounds (SOC). Review of the IOC data indicated that the parameters were consistent with other wells that utilize sand and gravel aquifers of similar character. It is important to note that the IOC results were below the groundwater quality standards established in 35 Ill. Adm. Part 620.410. Review of the VOC and SOC data collected did not detect any quantifiable levels of organic compounds. All public water supplies utilizing groundwater are required by the Illinois EPA to sample their wells monthly for bacterial contaminants. Monitoring of Poplar Grove West-Countryside's well did not indicate the presence of bacterial contaminants.

Finished Water Quality:

ltem 9.

factsheet

As referenced in the Source Water Quality section of this report, the IOC, VOC, and SOC levels were below the groundwater quality standards. Further information on finished wat quality data tables of monitored parameters, contaminants detected, health advisory information, drinking water standards, and maximum contaminant levels, is available at Drinking Water Watch (http://water.epa.state.il.us/dww). Similar information is also available in the Consumer Confidence Report supplied by Poplar Grove West-Countryside to its consumers.

Potential Sources Of Contamination:

The Illinois EPA performed a survey to identify potential sources of contamination to the community's well water. Sources are identified based on the nature of their activity, the availability of data in electronic databases, and their geographic proximity to the source water protection area. During the survey of Poplar Grove West-Countryside's source water protection area three potential sources for Well #1 were identified. In addition, the Illinois EPA made use of information from its leaking underground storage tank database (http://epadata.epa.state.il.us/land/ust/search.asp) and site remediation program (SRP) database (http://epadata.epa.state.il.us/land/srp/search.asp) to further assess potential sources of contamination. These databases include information from the Illinois EPA Division of Land Pollution Control (LPC) and the Illinois Emergency Management Agency (IEMA). No additional sites were found in these databases.

In the SITE DATA FOR THIS FACILITY table below, the Description - Type codes are as follows: 108 below ground storage (petroleum) greater than 500 gal. – gas station (PS) 736 auto repair

Site Data For This Facility:

Well ID	Site/GMZ ID	Map Code	Name	Distance	Status
WL01420	000025040	011D	J&D COUNTRYSIDE MARA	800	А
WL01420	000025041	011D	COUNTRYSIDE OIL LUBE	730	А
WL01420	000025042	011D	MOBIL	1170	А

Susceptibility To Contamination:

The Illinois EPA does not consider Poplar Grove West-Countryside's source water susceptible to contamination. This determination is based on a number of criteria including: the identification of potential sources and routes of contamination, land-use activities around the well, monitoring conducted at the well, monitoring conducted at the entry point to the distribution system, and the available hydrogeologic data on the well. During the survey of the source water protection area, two potential sources of contamination were identified within the 1,000 foot Phase I Wellhead Protection Area (WHPA) for Well #1. One additional potential source water is not susceptible to these types of contaminants.

Source Water Protection Efforts:

The Illinois Environmental Protection Agency provides a minimum protection zone of 200 feet for Poplar Grove West-Countryside's well. This minimum protection zone area is regulated by the Illinois EPA. To further minimize the risk to the groundwater supply, the Illinois EPA recommends that three additional activities be considered. First, the water supply staff may wish to revisit their contingency planning documents in order to ensure the plans are kept current, and the water department and emergency response staff are aware of and adequately trained to implement emergency procedures. Contingency planning documents are a primary means to ensure that, through emergency preparedness, a community will minimize the

https://dataservices.epa.illinois.gov/swap/factsheet.aspx

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risk of being without safe and adequate water. Second, the water supply staff is encouraged to conduct a biennial cross connection survey of the distribution system as outlined in cross connection control ordinance [Section 18 of the Environmental Protection Act 415 ILCS 5/1 et seq. (Act); 35 III. Adm. Code, Sections 607.104(d), 653.801(c)] and to review their cross connection control ordinance to ensure that it remains current and viable. Cross connections to either the water treatment plant (for example, at bulk water loading stations) or in the distribution system may negate all source water protection initiatives. Finally, the Illinois EPA recommends continuing efforts to evaluate additional source water protection management options to address the regulatory and non-regulatory land use activities within the WHPA of the community wells. If the aforementioned efforts are performed, Poplar Grove West-Countryside could apply for a Phase II and V Monitoring Waiver, which is granted to facilities with a low risk of contamination. This could substantially reduce monitoring costs for the community. The Illinois EPA recommends that the source water protection plan be developed and implemented pursuant to the American Water Works Association G300 Standard.

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Report a Problem

RESOLUTION NUMBER: <u>2024-18</u>

A RESOLUTION OF THE VILLAGE OF POPLAR GROVE, ILLINOIS TO AUTHORIZE THE VILLAGE OF POPLAR GROVE TO ENTER INTO AN AGREEMENT WITH SOLUTIONS BANK FOR A TRUCK LOAN

WHEREAS, the Village of Poplar Grove (the "Village") is in need of a new public works truck; and

WHEREAS, the Village desires to enter into a loan agreement with Solutions Bank to provide such services for a truck loan in an amount not to exceed \$215,333.00 at an interest rate not to exceed 5.99%; and

WHEREAS, Solutions Bank has outlined their proposed interest rate upon which Solutions Bank will provide such loan services and have memorialized the same in the commitment letter attached hereto as <u>Exhibit A</u> and incorporated herein ("Agreement"); and

WHEREAS, the Village has determined it is in the best interest of the Village and its citizens to enter into an Agreement with Solutions Bank for truck loan services.

NOW THEREFORE, BE IT RESOLVED by the Village Board of Trustees of the Village of Poplar Grove, Illinois as follows:

- 1. The above recitals are incorporated herein and made a part hereof.
- 2. The Village hereby accepts and acknowledges the commitment letter with Solutions Bank to enter into a loan agreement for an amount not to exceed \$215,333.00 and at an interest rate not to exceed 5.99% pursuant to the commitment letter attached hereto as <u>Exhibit A</u>, or one in substantially similar form.
- 3. The Village President and Village Treasurer and Village Clerk are hereby authorized to execute and attest any future loan documents subject to Village Board of Trustees approval.

PASSED UPON MOTION BY	
SECONDED BY	
BY ROLL CALL VOTE THIS DAY OF	, 2024
AS FOLLOWS:	
VOTING "AYE":	
VOTING "NAY":	

ABSENT, ABSTAIN, OTHER

APPROVED_____, 2024

VILLAGE PRESIDENT

ATTEST:

VILLAGE CLERK

EXHIBIT A- COMMITMENT LETTER FROM SOLUTIONS BANK



July 3, 2024

Village of Poplar Grove 200 N. Hill Street Poplar Grove, IL 61065

Dear Board of Trustees:

Thank you for allowing Solutions Bank the opportunity to offer financing terms for the purchase of a new truck. Please accept the following as our loan commitment:

- Borrower: Village of Poplar Grove, an Illinois Municipality
- Loan Amount: \$215,333.00
- Purpose: Purchase 2024 Ford F750 truck
- Interest rate: 5.99% fixed (for the life of the loan)
- Payments: estimated \$4,162 per month (principal and interest)
- Maturity: Five (5) years
- Amortization: Five (5) years
- Prepayment penalty: None
- Expiration Date: This proposal will be in effect until August 15, 2024.



- Authorization: Borrower agrees to provide copies of meeting minutes detailing the amount of the loan, intention to borrow from Solutions Bank, names/titles of the loan document signers and that the loan will be a General Obligation to the Village.
- Financial Disclosure: Borrower agrees to provide Bank with appropriate Board authorized annual financial statements and budgets.

Again, we thank you for the opportunity to offer financing and if you have any questions, please feel free to give me a call.

Sincerely,

Thoonlee

Scott A. Greenlee Executive Vice President