











woodardcurran.com
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Monthly Operating Report

November 2017

0217327.00 So. Sangamon December 19, 2017





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EXECUTIVE SUMMARY

Safety. Safety is the number one priority at Woodard and Curran. We continue to provide monthly training for operations staff at the plant, provide weekly safety updates and safety videos are assigned to all employees. The safety topic for this month was "Fire Extinguisher Safety". There were no lost time accidents in the month of November 2017. As of November 30, 2017, 100 percent of the safety audit items have been completed.

Compliance. The finished water quality was within regulatory limits and all reporting and sampling requirements were met for the month. A copy of the Operations Report submitted to the Illinois Environmental Protection Agency is available at www.sswc.us.

During the month of November 2017, the plant pumped 35.758 million gallons from the well field and 28.617 million gallons of finished water. For the period of May 2017 through November 2017, the plant has pumped 8,431,881 more gallons of finished water then during the same period one year ago.

During the November 21, 2017 SSWC monthly meeting, there was mention of an article in the SJR regarding high toxins at Illinois debris sites. The article called out the Buckhart Sand and Gravel in Mechanicsburg as the only site in the Springfield area to receive a violation notice. Aluminum, Chromium, Iron and Selenium were excessive in the samples taken from Buckhart Sand and Gravel, which stopped taking any backfill for about two years. No detectable levels of Aluminum, Chromium or Selenium were found in the SSWC sample. A summary of the test results for SSWC's Raw Water is included in this report and the full report is included in Attachment A.

The SSWC plant remains on Critical Review status. Systems on Critical Review will be evaluated for sufficient capacity before issuance of water main extension permits.

Operations. There was 0 emergency call-outs for the month. There were five customer inquiries for the month.

Maintenance and Repair. For the month of November 2017, there were 11 inspections, 5 preventative and 3 corrective maintenance activities completed.

Budget. Through November 24, 2017, we are \$5,353 under budget for the fiscal year.

Capital Planning. Woodard and Curran is working with Meco Engineering to update and prioritize the Capital Improvement Plan. The CIP is a planning document that includes all projects anticipated to exceed \$5,000 in cost over the next five years. The CIP is an ongoing process and will be refined from time to time as projects are completed and new issues are identified.



1. SAFETY

1.1 SAFETY TRAINING

Woodard and Curran continues to provide safety training for personnel at the plant. This is accomplished by requiring daily safety meetings, weekly safety updates are available to the plant, and safety videos are assigned to all employees and are required to be completed. The November 2017 safety training topic was "Hunter Safety".

1.2 LOST TIME ACCIDENTS

There were no lost time accidents in the month of November 2017.

1.3 SAFETY AUDIT

Since Woodard and Curran assumed operational responsibility for the SSWC plant, two safety audits have been completed. The first audit was conducted in May 2015 and identified 89 items needing to be addressed. Approximately 86 percent of those items identified had been addressed when a second audit occurred in November 2016.

The finding for these two audits were combined to produce a list of 40 items needing to be addressed. As of November 30, 2017, 100 percent of the safety audit items have been completed.

1.4 MISCELLANEOUS SAFETY

There were no Miscellaneous Safety items for the month.



2. COMPLIANCE, FLOWS AND LOADINGS

2.1 COMPLIANCE

The finished water quality was within regulatory limits and all reporting and sampling requirements were met for November. A copy of the Operations Report to the Illinois Environmental Protection Agency (IEPA) is available on the SSWC website.

2.2 INFLUENT FLOWS AND LOADINGS

The total gallons pumped from the well field was 35.758 MG. The influent parameters were all within the normal range.

The influent flow and loadings are summarized below in Table 2.2

	Table 2.2 Influent Concentrations and Flow											
	рН	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Well Flow Gals (k)				
Max.	7.66	14.9	5.96	0.531	-	376	298	1.550				
Min.	7.31	13.6	0.45	0.212	-	358	286	0.821				
Avg.	7.44	14.2	1.19	0.254	-	366	292	1.192				
Total	1	1	-	-	-	-	-	35.758				

2.3 EFFLUENT CONCENTRATIONS

The facility filtered 32.821 MG during the month with a daily average of 1.094 MG and a min/max of 0.752/1.432 MG.

	Table 2.3 Finished Water Quality											
	Free CL2	Total CL2	рН	Temp	Iron	Manganese	Fluoride	Hardness	Alkalinity	Phosphate		
Max.	1.5	1.7	8.11	15.6	0.01	0.042	0.98	120	290	1.66		
Min.	1.3	1.5	7.74	13.6	0.00	0.007	0.79	98	270	1.00		
Avg.	1.4	1.6	7.88	14.3	0.01	0.020	0.90	109	279	1.24		
MCL	-	-	-	-	1.00	-	4.00	-	-	-		
SMCL	-	-	-	-	0.30	0.050	2.00	-	-	-		

Finished Water Flow Comparison for FY 2018

Time Period	2017-2018	2016-2017	2015-2016
May – November	255,179,559	246,747,678	234,247,917
Increase for the same po	eriod last year	8,431,881	



	FINISHED WATER PUMPING HISTORY										
	2017-2018	2016-2017	2015-2016	2014-2015	2013-2014	2012-2013					
May	32,301,672	33,248,127	33,376,051	37,669,726	31,157,411	29,592,356					
June	39,931,402	41,541,321	31,092,539	38,462,951	36,530,691	47,120,577					
July	42,164,927	35,378,396	33,123,375	38,674,894	40,908,704	57,780,876					
August	38,760,634	35,401,490	38,109,033	33,748,543	42,999,243	42,398,528					
September	39,896,986	36,325,215	36,546,171	29,763,075	37,597,085	32,510,603					
October	33,506,605	34,374,820	34,783,455	28,803,052	33,916,594	30,278,765					
November	28,617,333	30,478,309	27,217,293	28,426,579	31,615,459	27,114,479					
December		32,525,530	27,788,637	28,656,869	32,697,551	29,014,035					
January		30,449,215	28,510,121	30,346,721	32,499,427	28,007,432					
February		27,373,232	26,095,228	26,336,077	28,745,378	25,763,807					
March		30,068,363	27,851,811	28,729,919	31,217,486	28,130,190					
April		29,625,797	29,292,618	29,270,184	31,690,073	27,991,597					
Totals	255,179,559	396,789,815	373,786,332	378,888,590	411,575,102	405,703,245					
Average		1,087,095	1,022,702	1,038,051	1,127,603	1,111,516					
Maximum		2,061,098	2,177,926	1,837,344	2,010,587	2,546,901					
Minimum		275,315	-	349,690	363,767	142,411					

2.4 LAGOON DISCHARGE CONCENTRATIONS

The results for the NPDES lagoon discharge permit are summarized below.

Table 2.4 Weekly Grab Sample Analysis Results

	Lagoon Effluent Results										
Date	Fe (mg/l)	Mn (mg/l)	Chloride (mg/l)	Cl ² (mg/l)	pH (S.U.)	TSS (mg/l)					
11/09/17	0.570	0.171	263	0.01	7.86	0.00					
Minimum											
Maximum											
Average											
Monthly Avg Limit	2.000	1.000				15					
Daily Limit	4.000	2.000	500	0.05	6.0-9.0	30					

The Chloride sample for the month of November 2017, performed by the Springfield Metropolitan Sanitary District, was 19,100 mg/L. The limit for chloride discharge to the sanitary district is 30,000 mg/L.



FOLLOW-UP ON ILLINOIS STATE JOURNAL-REGISTER ARTICLE – 4 OUT OF 5 ILLINOIS DEBRIS SITES HIGH IN TOXINS

• During the November 21, 2017 SSWC monthly meeting, there was mention of an article in the SJR regarding high toxins at Illinois debris sites. The article called out the Buckhart Sand and Gravel in Mechanicsburg as the only site in the Springfield area to receive a violation notice.

Aluminum, Chromium, Iron and Selenium were excessive in the samples taken from Buckhart Sand and Gravel, which stopped taking any backfill for about two years.

Below is a summary of the test results for the four toxins mentioned in the article. A complete copy for all the test results is included in Attachment A of this document.

Work Order: 17K0733	Prairi	ie W	Analytical Systems, INCORPORATED		
Chemical Name	The second secon	Remediation ctives	17K0733-01		
Chemical Name	Class1	Class2	Raw		
			11/28/2017		
INORG					
SW6010B R2 1996 (mg/L)	1				
Aluminum			< 0.100		
Arsenic	0.05	0.2	< 0.0100		
Chromium	0.1	1	< 0.00500		
Iron	5	5	1.61		
Manganese	0.15	10	0.185		
SW6020A R1 1998 (mg/L)					
Mercury	0.002	0.01	< 0.000200		
Selenium	0.05	0.05	< 0.00500		
Notes:					
* Illinois EPA Tier 1 Groundwa	ter Remediat	ion Objectiv	es; 35 IAC 742,	Appendix B, Table B	
Contact the IEPA Toxicity Ass					

Critical Review Status

Meco Engineering contacted the Illinois EPA regarding the SSWC being on Critical Review Status.
In an email dated November 29, 2017 from Mr. David Cook with the Permits Section, SSWC will not be removed from Critical Status until a determination is made on whether SSWC's raw water transmission main is not a limiting factor for source capacity.



3. OPERATIONS

3.1 EVENTS IMPACTING OPERATIONS

Leak on the Backwash Line. A leak developed on the WesTech backwash line on November 6, 2017. Henson Robinson was called to order the necessary parts. Repairs were completed on November 21, 2017. There was no disruption in service.



Well 8 Pump Replacement. Brotcke Well and Pump was on-site in early November to perform rehabilitation work on Well 8. After treatment, Brotcke recommended replacement of the pump. A replacement pump belonging to SSWC was on-site and was used to replace the pump. Well 8 was placed back in service on November 22, 2017.



Well 1 Off Line. While Brotcke Well and Pump was on-site November 20, 2017 working on Well 8, Well 1 went into alarm. Currently, Well 1 is off line until Brotcke can be on-site in early 2018 to pull the pump and determine the problem.



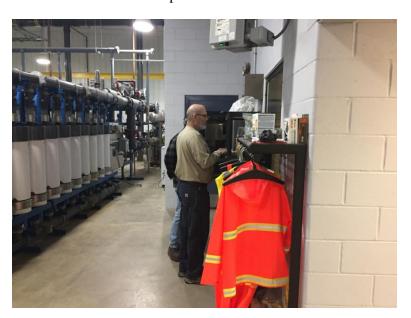
3.2 EMERGENCY & SERVICE CALLS

Service Calls:

There was 2 emergency call-outs for the month requiring operational personnel at the plant after normal business hours.

Pre-filter on Bank #1. On Sunday, November 5, 2017 at 7:21 pm, an alarm occurred on Bank #1 Pre-Filter. Plant operational staff went to the plant and found the Iron on the plant influent water was at 1.84 mg/L versus the normal 1.0 +/- above normal. Several regenerations were going to be starting soon so the flush line was opened to help with the issue to get through the pending regenerations.

Communication Fail Alarm. On November 19, 2017 at approximately 5:30 am, an alarm was received for high inlet pressure on the Prefilter for Bank #3. Upon further investigation by plant operations personnel, it was discovered that Communication Failures had occurred on Banks 1 and 3. When this takes place, the WesTech system continues to function in whatever mode it was in at the time of the communication failure. At the time of the communication failure, Bank 3 was cleaning the Prefilter and subjected the Prefilter to pressures near 75 psi. Woodard and Curran SCADA Controls Group is investigating the reason for these failures. Pictured below is Ray Giguere of the SCADA Controls Group.



3.3 EMERGENCY CALL-OUTS

• There were no emergency call-outs to contractors for the month.



3.4 CUSTOMER INQUIRIES

There were five customer inquiries for the month of November:

- Replace the cover on the water meter pit at 5820 New City Road.
- Read the meter and get meter information for 7950 Cardinal Hill Road.
- Gentleman from Los Angeles, California requesting Fluoride information.
- Alan Mendenhall stopped by the plant to inform plant operations staff that he bumped the hydrant with his new truck here his driveway. No damage done to his hydrant.
- Shane Hill with the village of Chatham regarding brine hauling.



4. MAINTENANCE AND REPAIR

4.1 PREVENTATIVE AND PREDICTIVE MAINTENANCE

For the month of November 2017, there were 11 inspections, 5 preventative and 3 corrective maintenance activities completed.

4.2 CORRECTIVE REPAIRS

• Eye Wash Station Heater. SSWC plant is equipped with eye wash stations in the event an operator gets chemical in their eyes. The system provides water heated to a set temperature so the person needing to flush their eyes isn't shocked with cold water. The system was not operating correctly. Pictured below is the fuse for the eye wash station water heater that was the cause of the problem. The system is now functioning correctly.



• Clean and Inspect Prefilter # 1 and #2. On November 8 and 13, 2017, Banks #1 and #2 were taken out of service to clean and inspect the screens. Pictured below on the left is what the screens look like when removed. The picture on the right shows what the screens look link after they've been cleaned.







OTHER WORK PERFORMED

Cleaning of Brine Tank #1. On November 24, 2017, Brine Tank #1 was taken down for cleaning.





5. PROJECT MANAGEMENT & SUPPORT

5.1 STAFFING & TRAINING

- Woodard and Curran continues to train and provide staffing to the plant as needed.
- Woodard and Curran IT staff are working with plant personnel on Hach Wims. Hach Wims is the
 computer program utilized by Woodard and Curran for developing IEPA Monthly Operating
 Reports and storage of test data. We are working through the issues discovered with the reporting
 last year as time allows.

5.2 CORPORATE SUPPORT

The following individuals, either on-site or remotely, provided assistance in operation and/or maintenance of the plant during the month.

- Gregory Frieden
- Ray Giguere
- Joe Hurley
- Jeannie Dubois

- Jackie Smith
- Joyce Garnett
- Alan Fabiano



5.3 BUDGET

Table 5.3 below is a breakdown of the current budget as of November 24, 2017.

Table 5.3 Budget Table

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	Over (under)	% of budget
Labor (D.L. + OH)	\$24,213	\$20,102	\$169,488	\$144,617	\$290,551	(\$24,871)	50%
Utilities	\$8,150	\$7,898	\$57,050	\$58,664	\$97,800	\$1,614	60%
Chemicals	\$14,583	\$7,130	\$102,083	\$115,616	\$175,000	\$13,533	66%
Maintenance & Repair	\$9,102	\$4,086	\$63,715	\$80,064	\$109,225	\$16,349	73%
Chloride	\$13,522	\$13,084	\$94,652	\$82,912	\$162,260	(\$11,740)	51%
Lab Supplies and Equipment	\$1,882	\$505	\$13,174	\$10,307	\$22,584	(\$2,867)	46%
Office Supplies	\$216	\$292	\$1,509	\$3,252	\$2,586	\$1,744	126%
Miscellaneous Expenses	\$1,141	\$766	\$7,989	\$8,530	\$13,695	\$541	62%
Other Operating Costs	\$1,398	\$1,625	\$9,786	\$10,617	\$16,776	\$831	63%
Subtotal of Costs for Contract Year 3	\$74,206	\$55,488	\$519,445	\$514,579	\$890,477	(\$4,866)	58%
Fixed Fee for Contract Year 3	\$7,421	\$5,549	\$51,945	\$51,458	\$89,048	(\$487)	58%
Year One Transition	\$1,366	\$1,366	\$9,560	\$9,560	\$16,389	\$0	58%
Total	\$82,993	\$62,403	\$580,950	\$575,597	\$995,914	(\$5,353)	58%



6. CAPITAL PLANNING

6.1 APPROVED CIP PROJECTS CURRENT STATUS

No new information is available.

6.2 DRAFT CAPITAL IMPROVEMENT PLAN

The CIP is a planning document that includes all projects anticipated to exceed \$5,000 in cost over the next five years. The CIP is an ongoing process and will be refined from time to time as projects are completed and new issues are identified.

The most recent Capital List was included in the Year 2 Annual Report.



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Tuesday, December 5, 2017

Dan Held

South Sangamon Water Commission 9199 Buckhard Rd Rochester, IL 62563

TEL: 217-381-2206

FAX: NA

RE: CCDD Monitoring Water PAS WO: 17K0733

Prairie Analytical Systems, Inc. received 1 sample(s) on 11/28/2017 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted.

Kristen A. Potter Project Manager

Certifications: NELAP/NELAC - IL #100323

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Attachment A Page 2 of 6

Prairie Analytical Systems, Inc.

Date: 12/5/2017

LABORATORY RESULTS

Client: South Sangamon Water Commission

 Project:
 CCDD Monitoring Water
 Lab Order:
 17K0733

 Client Sample ID:
 Raw
 Lab ID:
 17K0733-01

 Collection Date:
 11/28/17 14:10
 Matrix:
 Water

Analyses	Renti	Link	Qual Unio	DF	Dais Propered	Dais Analysed	Mehod	Analysi
Volatile Organic Compounds by GC-MS								
*Acetorie	U	0.0500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
⁴ Bruzene	U	0.00500	T'am	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Bromodichloromethane	U	0.000200	mgT.		11/28/17 15:51	11/28/17 18:23	SW82606 R2	JKK.
*Bromoform	U	0.00100	mg/L	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Bromomethane	U	0.00980	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*2-Busnone	v	0.0100	mgL		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Carbon direlfide	U	0.0100	mg/L	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Carbon tetrachloride	U	0.00800	mgT.		11/28/17 15:51	11/28/17 18:23	SW 82600 R2	JKK.
*Chlorobousous	U	0.00500	mg/L	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Chloroethane	U	0.0100	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Chloroform	v	0.000200	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Chloromethane	U	0.0100	mg/L	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Distromochiocomethane	U	0.00800	mgT.		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*1,1-Dichloroethane	U	0.00500	mg/L	- 1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*1,2-Dichloroethme	U	0.00500	mgT.	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*1.1-Dichloroethene	v	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*cis-1,2-Dichlorootyme	U	0.00500	mg/L	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*trans-1.2-Dichlomethene	U	0.00500	mgT.		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*1,2-Dichlocopropune	U	0.00500	ng/L	- 1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*cis-1,3-Dichloropropens	U	0.00100	mgT.	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*trans-1_3-Dehloropropere	U	0.00100	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Ethylberzene	U	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*2-Hexanone	U	0.00500	mgT.		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Methyl text-buyl other	U	0.00500	mg/L	- 1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*4-Methyl-2-pentanone	U	0.00500	mgT.	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Metrylene chloride	U	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
4Sypans	U	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*1.1.2.2-Tetrachloroethme	v	0.00300	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Telcachlorosthere	U	0.00500	mg/L	- 1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Toluene	U	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
* _ _ -Trichlomethane	U	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*1,1,2-Trichloroethane	U	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Trichloroettene	v	0.00500	mg/L		11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Vinyl chloride	U	0.00200	mg/L	- 1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
*Xylenes (botal)	U	0.0150	mgT.	1	11/28/17 15:51	11/28/17 18:23	SW8260B R2	JKK.
Sarraguis: 4-MonofhoroPension		83 %	67	J 33	11/28/17 15:51	11/29/17 19:23	SW8260B R2	JKK.
Serreguie: 1,2-Dichlorosibune d4		J01 %	8,5	J25	11/28/17 15:51	11/28/17 19:23	SW8260B R2	JKK.
Servigue: Tohere-dil		304 %	ar	71.0	11/28/17 15:51	11/29/17 19/23	SW8260B R2	JKK.
Semi-Volatile Organic Compounds by GC-	MS							
*Acesylthese	U	0.0100	.Tom	- 1	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Acquaphtrylene	U	0.0100	mg/L		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Anthracene	U	0.0100	mg/L		12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
⁴ Bruzo(a)anthracene	U	0.000115	J'am	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Bruzob)fluoraothme	U	0.000120	mgT.		12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Benzokiffuoranihene	U	0.000130	mg/L		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Benzo(g.h.i/perylene	U	0.0100	mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Benzo(a)pyrene	v	0.000140	mg/L		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Bis(2-chlorosthoxy)methane	U	0.0100	mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Bis(2-dilorosthyl)ether	U	0.00700	mg/L		12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.

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Prairie Analytical Systems, Inc.

Date: 12/5/2017

LABORATORY RESULTS

Client: South Sungamon Water Commission

 Project:
 CCDD Munitoring Water
 Lab Order:
 17K0733

 Client Sample ID:
 Raw
 Lab ID:
 17K0733-01

 Collection Date:
 11/28/17 14:10
 Matrix:
 Winer

Analyses	Romir	Link	Qual	Uplin	DF	Dais Prepared	Dais Analysed	Method	Analysi
*Ba(2-chloroisopropyl)ether	Ų	0.0100		mg/L		12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Bis(2-strythexyl)phthalate	U	0.00400		mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*4-Bromopharyl pharyl etter	U	0.0100		mgT.		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Buiyl beoxyl phiheless	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Carltagole	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*4-Chines-3-methylphenol.	U	0.0200		mg/L		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*4-Chlocomiline	U	0.0200		mg/L	1	12/17/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*2-Chiceompiothalene	U	0.0100		mg/L		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*2-Chlorophorol.	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*4-Chloropharyl pharyl etter	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Chrysane	U	0.00110		mg/L		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Distributyl phthalate	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Di-n-ocyl phthalate	U	0.0100		mg/L		12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Diberer a hisothracene	U	0.000200		mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Dibenzoluran	U	0.0200		mell.	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*1.2-Dichlorobanzone	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*1,3-Dichlorobenzene	U	0.00400		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*1.4-Dichiorobenzene	U	0.0100		mgT.	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*3.3'4D chlorobereidine	U	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*2.4-Dichlorophenol.	U	0.0100		mgT.	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Dietryl phthulate	Ü	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Dimetryl phthalate	Ü	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*2.4-Dimethylphenol	v	0.0100		mgL	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*4.6-Dinigo-2-melpylphenol.	Ü	0.000911	MC	mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*2.4-Dinitrophenol	Ü	0.0100		mgT.	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*2.4-Dinitrotolume	Ü	0.0000630	MC	mgL	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*2.6-Dinitrotolume	Ü		M	mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Fluoranthene	v	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Fluorine	Ü	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Hexachineobenzone	Ü	0.000115	MC	mgT.	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Heschlambutadiene	Ü	0.00100		mg/L	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Herachlorocyclopentad ene	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Heachieroethne	v	0.00500		mg/L	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Indexx(1,2,3-edpyrene	Ü	0.000300		mg/L	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Inophorone	Ü	0.0100		mgT.	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*2-Methylmaphthalane	Ü	0.0100		mgL	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*2-Methylphonol	U	0.0100		me/L	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
3 & 4-Mathylphanol	v	0.0200		mgL		12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Naphthalous	Ü	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*2-Nitromiline	U	0.0500		mgT.	1	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*3-Nitromiline	U	0.0500		mg/L	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*4-Nitromiline	U	0.0200		mg/L	1	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*Nirobenzone	v	0.00200		mg/L		12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*2-Nitrophenol	Ü	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*4-Nitrophenol	U	0.0500		mgT.	i	12/1/17 15:17	12/1/17 23/51	SW8270CR3	JKA.
*N-Nicoso-d-o-propylamine	Ü	0.00110		mg/L	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*NaNitronodiphenylamine	Ü	0.000560		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Pertachlorophmol.	Ü	0.00100		mgL	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Phenuthrene	Ü	0.0100		mg/L	i	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
*Phenol.	U	0.0100		mgT.	i	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
	-				_			2-1-2-100-00	

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Prairie Analytical Systems, Inc.

Date: 12/5/2017

LABORATORY RESULTS

Client: South Sangamon Water Commission

 Project:
 CCDD Mulitaring Water
 Lab Order:
 17K0733

 Client Sample ID:
 Raw
 Lab ID:
 17K0733-01

 Collection Date:
 11/28/17 14:10
 Matrix:
 Witer

Aralyses	Rondi	Link	Qual	Unlin	DF.	Dais Prepared	Dais Analysed	Mehed	Analysi
*Pyrene	Ų.	0.0100		mg/L		12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*1,2,4-Trichlorobensone	U	0.0100		mg/L	1	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
*2.4.5-Trichlorophenol.	U	0.0100		mg/L		12/1/17 15:17	12/1/17 23/51	80/82700 使3	JKA.
*2,4,6-Trichlorophenol	U	0.00560		mg/L	1	12/1/17 15:17	12/1/17 23/51	SW8270C R3	JKA.
Serreguir: 2-Florobiphecyl		43.76		40-13	90	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
Samgate: 2-Planophenol		14%		19.9	5	12/1/17 15:17	12/1/17 23-31	SW8270C R3	JKA.
Surregule: Nitrobensono 45		85 %		40-53	10	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
Sirroguis: Planol-di		15%		10-2	3	12/1/17 15:17	12/1/17 23:31	SW8270C R3	JKA.
Serrogain: 4-Jirphoyl-434		47.%		40.5	10	12/1/17 15:17	12/1/17 23:51	SW8270C R3	JKA.
Surregute: 2,4.6-Tellmonophenol		75 %		30-10	10	12/1/17 15:17	12/1/17 23:31	SW8270C R3	JKA.
Organochlorine Pesticides by GC-ECD									
*Aldrin	U	0.00100		mg/L		11/29/17 14:38	12/9/17 13:43	SWINDSIARI	AID
*alatu-BHC	Ü	0.00000964	MC.	mg/L	i	11/29/17 14:38	12/5/17 13:43	SW808LARI	AJD
4sta-BHC	Ü	0.00100		mg/L	i	11/29/17 14:38	12/5/17 13:43	SWEDSLARI	AID:
*delta-BHC	Ü	0.00100		mg/L	i	11/29/17 14:38	12/5/17 13:43	SW808LA.R.I	AJD:
*gamma-EHC	U	0.0000154	MC .	mg/L	1	11/29/17 14:38	12/5/17 13:43	SW808LA.R.I	AJD:
*alpha-Chiordane	U	0.00100		mgT.		11/29/17 14:38	12/5/17 13:43	SWEDSLARE	AJD:
*gamma-Chlordane	U	0.00100		mg/L		11/29/17 14:38	12/5/17 13:43	SW808LARII	AJD:
*Chlordane (total)	U	0.00200		mg/L	1	11/29/17 14:38	12/5/17 13:43	SWEDSLARI	AJD-
14.4-000	v	0.00100		mg/L		11/29/17 14:38	12/5/17 13:43	SW808LA.R.L	AJD
*4,4*DDE	U	0.00100		mg/L	1	11/29/17 14:38	12/5/17 13:43	SW808LARL	AJD:
14.4-DDT	U	0.00100		mg/L		11/29/17 14:38	12/9/17 13:43	SWEDSLARE	AJD:
*Distdrin	U	0.00100		mg/L	1	11/29/17 14:38	12/5/17 13:43	SW808LA.R.II	AJD:
*Endorulrin I	U	0.00100		mg/L	1	11/29/17 14:38	12/5/17 13:43	SW808LAR1	AJD:
*Endorulfan III	· ·	0.00100		mg/L		11/29/17 14:38	12/5/17 13:43	SW808LA.R.L	AJD:
*Endosulfan sulfate	U	0.00100		mg/L	1	11/29/17 14:38	12/5/17 13:43	SW808LARL	AJD:
*Endrin	U	0.00100		mg/L		11/29/17 14:38	12/9/17 13:43	SWEUSIARI	AJD:
*End: in aldebyde	U	0.00100		mg/L		11/29/17 14:38	12/5/17 13:43	SW808LA.R.I.	AJD:
*End: in letone	U	0.00100		mg/L	1	11/29/17 14:38	12/5/17 13:43	SW808LAR1	AJD
*Heptachlor	v	0.0000263		mg/L		11/29/17 14:38	12/5/17 13:43	SW808LA.R.L	AJD
*Heptachlor epoxide	U	0.0000118 1	ME.	mg/L		11/29/17 14:38	12/5/17 13:43	SWEDSLARI	AJD-
*Metroxy chlor	U	0.00100		mg/L	!	11/29/17 14:38	12/9/17 13:43	SWEDSLARI	AJD
*Toxophone	U	0.00300		mg/L		11/29/17 14:38	12/5/17 13:43	SW808LARI	AJD
Serreguir: Decueblerobiphenyii		76 %		50-17		11/29/17 14:38	12/9/17 13:43	SW808LA.R.L	AJD
Surregule: Tetrachloro-m-rylane		78 %		40-13	ā	11/29/17 14:38	12/3/17 13:43	SW808LARL	AJD
Metals by ICP-MS									
*Mercury	U	0.000200		mg/L		11/29/17 8:32	11/29/17 17:07	SW6020A.R.L	rrc
*Sdeniam	U	0.00500		mg/L	1	11/29/17 8:32	11/29/17 17:07	SW6020A.R.I.	JTC
Metals by ICP									
*Aluminum	U	0.100		mg/L	1	11/29/17 8:32	11/29/17 12:55	SW6010B R2	KSH
*Americ		n nten		mg/L		11/29/17 8:32	11/29/17 12:55	SW6010B R2	KSH
	U	0.0100		mgru		COLUMN TO STATE OF THE PARTY OF	STATE OF THE PARTY	DALOGEOR NE	
*Chromium	U	0.00500		mg/L	1	11/29/17 8:32	11/29/17 12:55	SW6010B R2	KSH
*Chronium *Bron *Manganese									

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Prairie Analytical Systems, Inc.

Date: 12/5/2017

LABORATORY RESULTS

Client: South Sangamon Water Commission

Project: CCDD Munituding Water Lab Order: 17K0733

Notes and Definitions

S1 Analyte exceeds the laboratory control sample acceptance criteria, but there is no observable concentration in the sample.

M Reporting limit set between LOQ and MDL.

NELAC certified compound.

U Analyte not detected (i.e. less than RL or MDL).

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Attachment A Page 6 of 6

