BETLEY PROJECT, LLC

BETLEY FARMS WATER QUALITY TRADING PLAN

BETLEY FARMS LLC

PERMIT NO. WI-0063398

REVISION 7

APRIL 16, 2025

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Introduction

This water quality trading plan summarizes the plan for Betley Farms, LLC (Betley), located at W1630 Redwood Drive, in the Village of Pulaski, County of Shawano, Wisconsin, to use water quality trading to comply with total phosphorus (TP) and total suspended solids (TSS) discharge limits in the Wisconsin Discharge Pollution Elimination System (WPDES) permit for a proposed discharge outfall from an associated anaerobic digester system. Betley has used the SnapPlus model to quantify the amount of potentially tradable phosphorus and sediment credits from its fields, assuming current farming practices continued, and then the amount after installing and maintaining a permanent vegetative grassland. Using a trade ratio of 2.1:1, Betley calculated the TP and TSS water quality trading credits available per year based on the change in management practice from farming corn silage to permanent vegetative cover in an existing farm field. Betley will use these credits to demonstrate compliance with the TP and TSS limits in their existing WPDES permit.

Background

Purpose of Water Quality Trade

This plan describes Betley's use of water quality trading to comply with the TP and TSS limits on proposed Outfall 001 of WPDES permit WI-0063398. This Water Quality Trading Plan was developed pursuant to the Notice of Intent to Conduct Water Quality Trading included in Appendix A.

Betley is located at SW ¼, SW ¼, Sec. 9, T25N, R18E, Village of Pulaski, Shawano County, Wisconsin. The proposed Outfall 001 will discharge to an unnamed tributary (WBIC 5015241) located in the Shioc River Watershed in the Upper Fox River and Wolf River Basin. This watershed is part of the Upper Fox and Wolf River Total Maximum Daily Load (TMDL). Betley will adjust cropping practices to an existing farm field in the same HUC-12 subwatershed as proposed Outfall 001. This field will be placed into perennial vegetation and Betley will use the phosphorus credits generated from this management practice to comply with the TP and TSS limits specified in their Water Quality-Based Effluent Limits memo dated May 16, 2023. As Betley is both the credit generator and the credit user, Betley requests to enter into a trade agreement with the Wisconsin Department of Natural Resources (WDNR), see Appendix B.

The phosphorous limit for Betley is currently set to 0.00 pounds per day (lbs/day), though Betley expects to need 5.7 pounds (lbs) TP credits per year and 286 lbs TSS per year assuming an average yearly design flow rate of 46,867 gallons per day (gpd) (Appendix C).

Purpose of New Surface Water Outfall

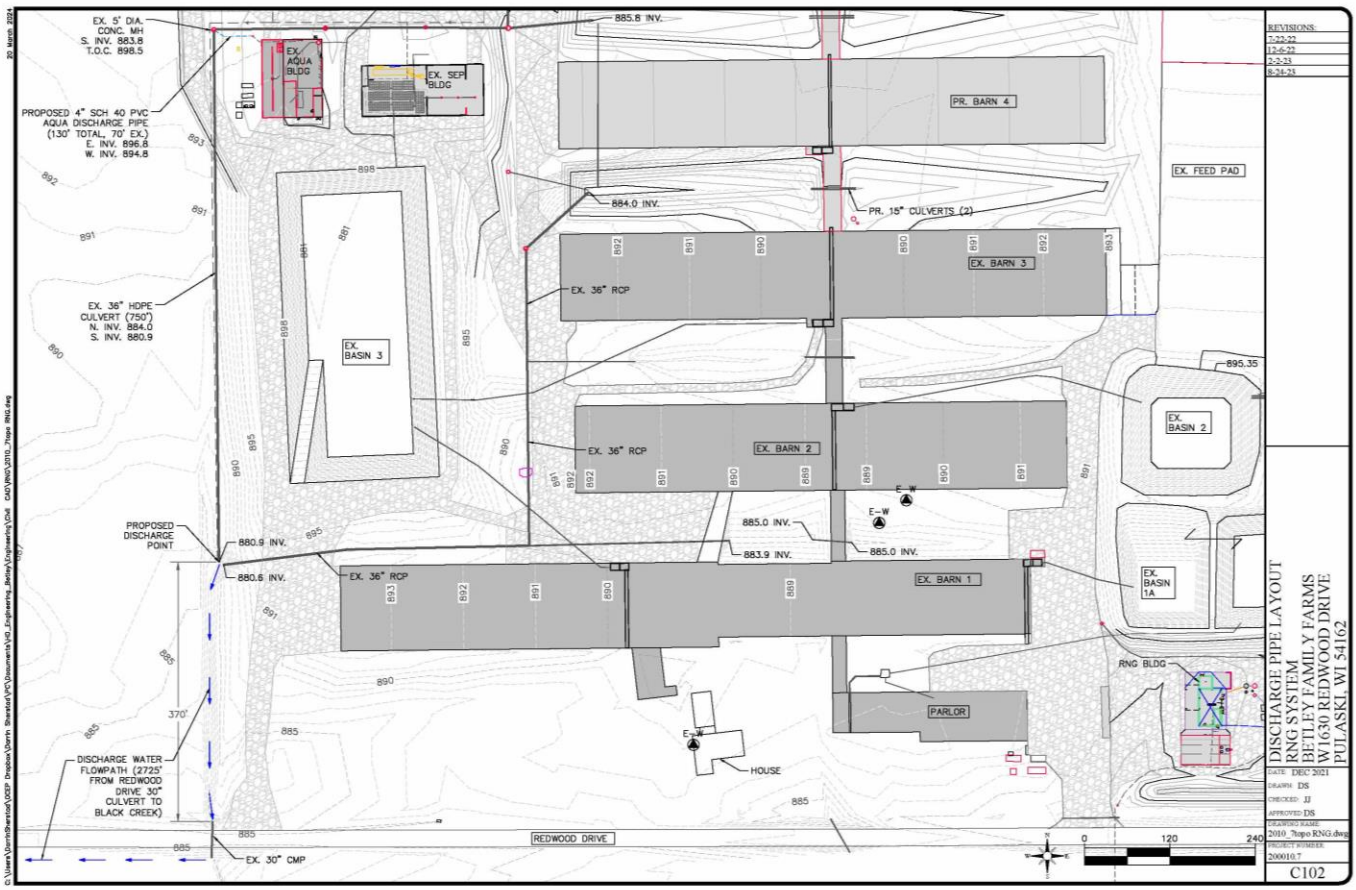
Betley is currently implementing infrastructure updates to reduce the farm's overall carbon footprint and generate renewable natural gas for distribution. Digester tanks were installed as part of this project in 2021, and a renewable natural gas upgrading system, hydrolysis tank, and associated infrastructure were installed in 2024. Digestate will be generated from this tank and passed through the AquaDischarge treatment system before discharge to an unnamed waterway near the farm site. Solids generated from this treatment process will be land-applied, consistent with the approved nutrient management plan for the farm.

Betley would begin discharge when construction is complete, the Water Quality Trading Plan (WQT) is approved by the WDNR, and there is 80% vegetative cover within the proposed WQT field. This is currently estimated at June 1st, 2025, with the WQT terms being implemented ahead of effluent operations.

Location of Outfall and Field

Betley proposes discharging treated process wastewater to an on-site ditch at an approximate latitude of 44.645203°N and longitude of -88.322266°W (Figure 1).

Figure 1. Site layout and discharge location.



Outfall 001 will flow to unnamed WBIC 5015130, located in HUC12 Subwatershed 040302020805, also known as the Upper Black Creek Subwatershed. The Upper Black Creek Subwatershed is part of the Shioc River Watershed (0403020208). This Subwatershed is included in the Upper Fox-Wolf TMDL. Figure 2 below depicts the location of Outfall 001 in the Subwatershed.

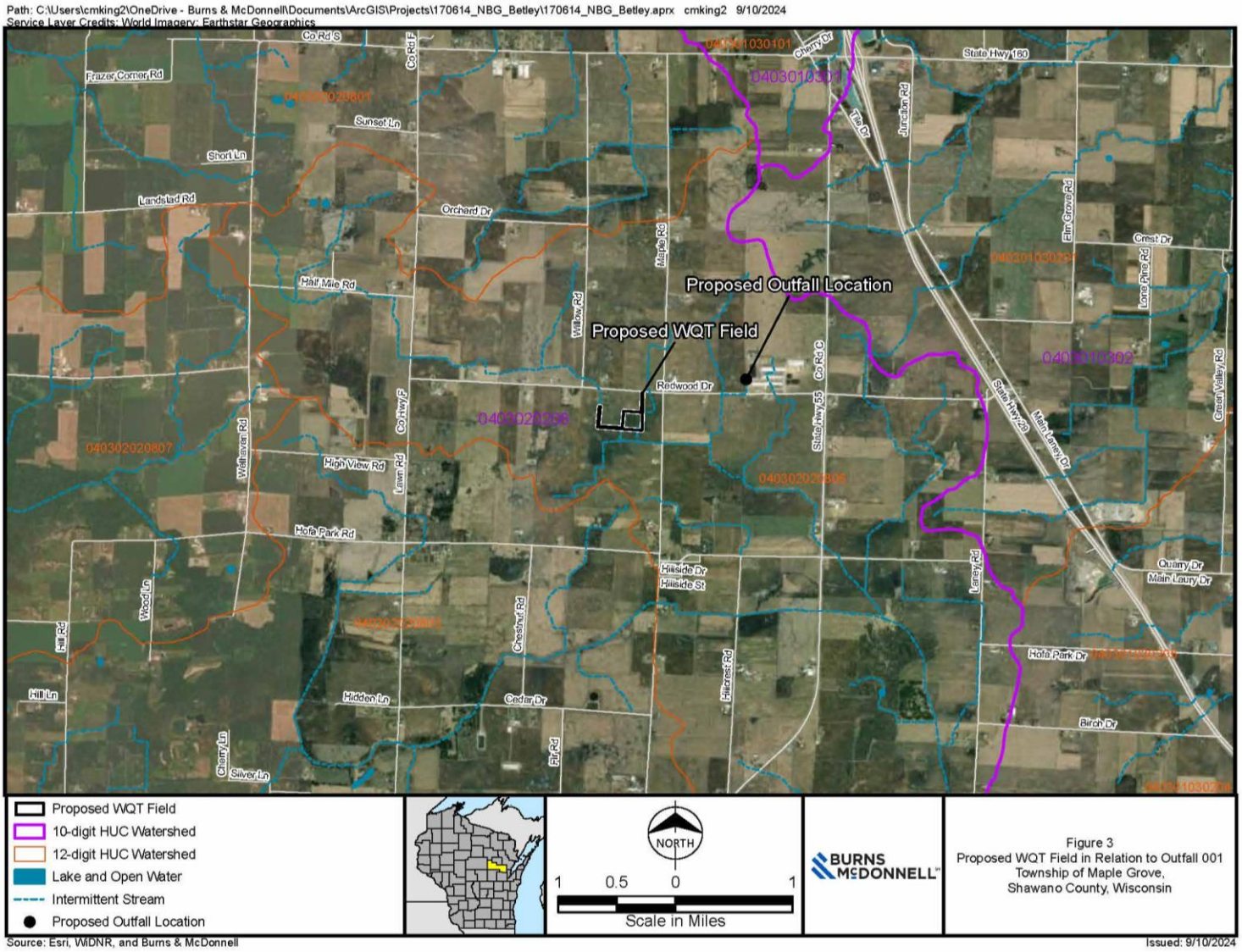
Figure 2. Outfall 001 in the HUC 12 watershed.



Location of the Fields

Betley will convert 10 acres of an existing farm field, Field 1-17, into grassland to generate TP and TSS credits in the same HUC-12 watershed as Outfall 001. The field is also in the same HUC-12 watershed as the proposed discharge, and based on the location of the credit generator and the point of standards application point, this is considered a downstream trade (Figure 3). This field is located at NW ¼ and NE ¼ of the NW ¼ of Sec. 17, T25N, R18E.

Figure 3. Proposed WQT field in relation to Outfall 001.



Existing Land Use

Betley currently manages manure in accordance with its approved WDNR nutrient management plan. Wisconsin's nutrient management software, SnapPlus (Version 20), was used to calculate phosphorus and sediment loadings to ensure compliance with applicable CAFO nutrient management standards.

Routine soil sampling occurs on this field every three years, with the most recent soil samples taken on October 12th, 2022. See the soil test summary provided in Table 1 for details.

Table 1. Field 1-17 Soil data.

Soil Test Date	Predominant Soil Name	Soil Test Lab	Lab Number	pH	OM Percent	Avg P (ppm)	Avg K (ppm)
2022-10-12	Solona	AgSource	798231	7.2	6.2	124	206

Field 1-17 is a corn silage field with an alfalfa rotation when required, as outlined in the approved nutrient management plan. Liquid manure and fertilizer are applied to this field annually. Table 2 provides a summary of the current cropping rotation and phosphorus (PTP) and sediment loadings from the current rotation. The SnapPlus P-Trading Report and Sediment Trading Report were used to generate these current loadings.

Table 2. Current sediment and PTP loads at Field 1-17.

	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average	Total
Crop Rotation	Corn Silage	Corn Silage	Corn Silage	Corn Silage	Corn Silage	Alfalfa Seeding	Alfalfa	Alfalfa	Corn Silage	-	-
PTP (lbs/yr)	40	14	29	37	38	29	19	15	24	27.2	245
Sediment (tons/yr)	0.4	0.1	0.4	0.7	0.7	0.6	0.3	0.2	0.4	0.42	3.8

Trading Credits

Phosphorus and Sediment Reduction

Field 1-17 was harvested and left fallow after the summer of 2024 to allow for the seeding of permanent native prairie vegetative cover in the fall of 2024, consistent with NRCS Technical Standard 327, with native plants selected according to the Table 6 Sample Seed Mix for Mesic Native Prairie Restoration (Seed Calculator Code 327-8). See Appendix D for the NRCS Technical Standard 327 and selected Conservation Practice Standard with Table 6 and the native vegetation seed mix. The native seed mixture was combined with oats to be seeded as a cover crop and rapidly establish cover and erosion control during the initial establishment of the perennial vegetation. Interseeding will occur, as needed, to ensure that the standards and requirements of NRCS Technical Standard 327 are satisfied. No nutrients will be applied to the field, and vegetation will not be harvested once planted.

Table 3 summarizes the P-Trade and Sediment Reports for the Field through 2029. After 2028, the phosphorus loading of the field becomes stable, and after 2024, the sediment loading becomes stable. The sediment loading would remain stable at 0.0 tons/yr and the phosphorus loading would remain stable at 6.0 lbs/yr, so long as permanent grassland vegetative cover is maintained. See Appendix E for the P-Trading and Sediment Trading Reports generated by SnapPlus through 2031 for more information.

Table 3. Sediment and PTP loads in Field 1-17 after converting to grassland.

	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average	Total
Crop Rotation	Corn Silage	Corn Silage	Grassland Seeding	Grassland	Grassland	Grassland	Grassland	Grassland	Grassland	-	-
PTP (lbs/yr)	40	14	23	8	7	7	7	6	6	13.1	118
Sediment (tons/yr)	0.4	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.8

Interim Credits

Pursuant to the most recent WDNR water quality trading guidance (3200-3400-3800-2020-03, dated 6/1/2020), permanent vegetation has an uncertainty factor of 1, however, the WDNR has recommended for this site an uncertainty factor of 2. There is a downstream factor of 0.1, although there is no equivalency or delivery factor that needs to be accounted for, given that the field and discharge location are in the same HUC-12 watershed. Using these values, the minimum trade ratio that applies to this trade is 2.1:1. Table 4 lists the available interim credits from this project. An average annual 9.8 lbs of TP and 476 lbs of TSS credit will be generated within this 5-year duration.

The WDNR have recommended that the Project use the interim credit floor value of 0.68 lbs/ac/yr of TP for TMDL sub-basin 89. It is noted that the WQT only generates 0.57 lbs/ac/yr in the year 2028 and 0.43 lbs/ac/yr of TP interim credits for the year 2029, therefore the reduction does not meet the interim floor in these years. According to WDNR WQT Guidance [2020], Page 25, "When converting agricultural land to perennial vegetation, a high soil test phosphorous values prevent attainment of the interim floor value, the establishment of perennial vegetation may generate interim credits without having to reach either the credit threshold or interim floor value. The amount of interim credits can be determined by applying to the applicable trade ratio to the reduction achieved between the current loading ad the loading resulting from the establishment of perennial vegetation. Harvesting perennial vegetation, over time, may draw down soil phosphorous values and necessitate additional soil sampling."

Knowing this, it is noted that the average of the Project is 0.98 lbs/ac/yr and that the WQT does meet the credit floor in the remaining years.

Further, the 4.3 lbs/yr interim TP credits generated in 2029 do not meet the discharge requirements of 5.7 lbs/yr, though it is noted that the average interim TP credits generated for the Project through 2029 are 9.8 lbs/yr.

Finally, the interim TSS credits generated in 2029, of 190.5 lbs/yr TSS do not meet the facility requirements of 286 lbs/yr TSS. Though, it is noted that the average TSS credits generated across the interim period, 476.2 lbs/yr, are greater than the amount required annually by the facility.

Table 4. Interim sediment and phosphorus credit calculation for Field 1-17.

Current (from Table 2)

	2022	2023	2024	2025	2026	2027	2028	2029	Average	Total
Crop Rotation	Corn Silage	Corn Silage	Corn Silage	Corn Silage	Corn Silage	Alfalfa Seeding	Alfalfa	Alfalfa	-	-
PTP (lbs/yr)	-	-	-	37	38	29	19	15	27.6	138
Sediment (tons/yr)	-	-	-	0.7	0.7	0.6	0.3	0.2	0.5	2.5

Reduction (from Table 3)

	2022	2023	2024	2025	2026	2027	2028	2029	Average	Total
Crop Rotation	Corn Silage	Corn Silage	Corn Silage	Grassland	Grassland	Grassland	Grassland	Grassland	-	-
PTP (lbs/yr)	-	-	-	8	7	7	7	6	7	35
Sediment (tons/yr)	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Credit

	2022	2023	2024	2025	2026	2027	2028	2029	Average	Total
Trade Ratio	-	-	-	2.1:1	2.1:1	2.1:1	2.1:1	2.1:1	-	-

Total Interim Phosphorus (lbs/year)	-	-	-	29	31	22	12	9	20.6	103
Final Phosphorous Credit (lbs/year)	-	-	-	13.8	14.8	10.5	5.7	4.3	9.8	49.1

Total Interim Sediment (lbs/year)	-	-	-	1400	1400	1200	600	400	1000	5000
Final Sediment Credits (lbs/year)	-	-	-	666.7	666.7	571.4	285.7	190.5	476.2	2381.0

Long-term Credits

Table 4 and Table 5 of Appendix E of the WQT Guidance show that the Upper Fox-Wolf TMDL TP Credit Threshold for Subbasin 89 (Upper Fox & Wolf) is 0.50 lbs/ac/yr and the TSS Credit Threshold is 1.06 tons/ac/year. As the average Post-Grassland trade values of 0.7 lbs/ac/yr do not meet the TMDL TP Credit Threshold of 0.5 lbs/ac/yr, it is understood that the Project does not generate long-term TP credits. When interim credits expire in 10 years, the Project will require an additional trade to generate new interim credits and long-term credits. Long-term TSS credits for the trade do meet the TSS Credit Threshold of 1.06 tons/ac/yr and also do meet the annual effluent requirements (Table 6). Therefore, additional TSS credits will not be required after interim credits expire.

Table 5. Long-term TSS credit calculation.

2035+	Field 1-17 (10 ac)
TMDL Credit Threshold (tons/ac/yr)	1.06
Total (tons/yr)	0.5
Baseline (tons/ac/yr)	0.05
Post Mitigation (tons/yr)	0
Post-Mitigation (tons/ac/yr)	0
Baseline/Post-Mitigation (tons/ac/yr)	0.05
Trade Ratio	2.1:1
Final Credit (tons/ac/yr)	0.0238
Final Credit (tons/yr)	**0.238**
Final Credit (lbs/yr)	**476.2**

Agreements, Inspection, and Reporting

Water Quality Trading Agreement

Betley is the owner and operator of the proposed effluent discharge and of the proposed field. Therefore, a Water Quality Trading Agreement is required between WDNR and Betley. This agreement is available in Appendix B.

Water Quality Trading Management Practice Registration

Betley completed Registration Form 3400-207 for Water Quality Trading Management Practice Registration. See Appendix A for details.

Monthly Certification

Each month, Betley will certify that the permanent vegetative cover management practice is operated and maintained in a manner consistent with this Water Quality Trading Plan or provide a statement noting noncompliance with this Plan. Monthly inspection will be conducted using a checklist based upon the below information, and will include:

- Representative photos of the field overall
    - Close ups showing the density of vegetative cover
    - Any photos taken will be included in the Annual Inspection Report
    - One overall photo every five (5) acres – Total of two (2) overall photos
    - One closeup photo every five (5) acres – Total of two (2) closeup photos
    - There shall therefore be a total of four (4) photos for each monthly certification
- Walk-through of field to investigate for:
    - Erosion
    - Rodent Burrows
    - Sufficient ground cover:
        - Plant diversity
        - Density
        - Overall ecological health
    - Noxious weeds
    - Compliance with permanent vegetative management practices
    - Compliance with NRCS Technical Standard 327

A certification of compliance shall be made by including the following statement as a comment on the monthly discharge monitoring report:

> *"I certify that to the best of my knowledge, the management practice identified in the approved water quality trading plan as the source of total phosphorus and total suspended solids reduction credits is installed, established, and properly maintained."*

Any photos taken during these inspections will be included in the Annual Inspection Report to WDNR. Any field observations of noncompliance with the permanent vegetative management practice will be addressed immediately. Betley will notify WDNR's Regional Wastewater Compliance Engineer by telephone within 24 hours of observation of the noncompliance, or noting that WQT credits used or intended for use by Betley are not being implemented or generated as set forth in this Trading Plan.

Betley will follow up with a written notice to WDNR's Regional Wastewater Compliance Engineer within five (5) days of noncompliance in phosphorus and/or sediment credits as set forth in this Plan.

WDNR may waive the requirement for submittal of a written notice within five days and instruct Betley to submit the written notice with the following regularly scheduled monitoring report, as required by Betley's WPDES Permit. The written notice will contain a description of how and why the WQT credits are not being implemented or generated as set forth in this Plan; the steps taken or planned to reduce, eliminate, and prevent the reoccurrence of the identified problem; and the length of time the identified problem is expected to continue. Betley will work to rectify the identified problem in accordance with this Plan.

Annual Inspections

At least once a year, a certified professional agronomist (CPAg) hired by Betley will validate the grassland field conformity to applicable NRCS standards and ensure that the permanent vegetative cover provided by the grassland species is appropriately maintained. The inspection will confirm compliance with the appropriate standards and identify any erosion issues. This annual inspection will include one (1) overall site photo and at least one (1) close-up photo for every five (5) acres (total of four (4) photos).

The inspection reports will include:

- The name of the inspector;
- The inspection date;
- A statement of whether the field met Technical Standard 327;
- Whether erosion concerns were identified and, if so, what those concerns are;
- When and how any identified issues with meeting standards and erosion concerns were addressed;
- When and how any identified issues with meeting standards and erosion concerns will be addressed in the future;
- Inspection reports generated during each inspection will be included with the Annual Water Quality Trading Report submitted by Betley;
- A list of all fields rented/owned by Betley for the calendar year of the report;
- Credits used during the previous year of operation and discussion of how this compares to the approved number of credits.
- One overall photo every five (5) acres – Total of two (2) overall photos
- One closeup photo every five (5) acres – Total of two (2) closeup photos
- There shall therefore be a total of four (4) photos for each annual inspection

APPENDIX A – WQT NOI, REGISTRATION FORM, & CHECKLIST

State of Wisconsin
Department of Natural Resources
101 South Webster Street
Madison WI 53707-7921
dnr.wi.gov

Notice of Intent to Conduct Water Quality Trading

Form 3400-206 (1/14)

Notice: Pursuant to s. 283.84, Wis. Stats., and ch. NR 217 Wis. Adm. Code, this form must be completed by any WPDES permittee that is using water quality trading as a method of complying with a permit limitation. Failure to complete this form would not result in penalties. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Applicant Information

Permittee Name	Permit Number	Facility Site Number
Betley Farms, LLC	WI- 0063398	33947

Facility Address	City	State	ZIP Code
W1630 Redwood Drive	Pulaski	WI	54162

Project Contact Name (if applicable)	Address	City	State	ZIP Code
Aubree Zenone	200 W. Adams Street - Suite 2700	Chicago	IL	60606

Project Name: Betley Farms

Receiving Water Name	Parameter(s) being traded	HUC 12(s)
Upper Black Creek	TP and TSS	040302020805

Is the permittee in a point or nonpoint source dominated watershed? (See PRESTO results - http://dnr.wi.gov/topic/surfacewater/presto.html)

- (●) Point source dominated
- ( ) Nonpoint source dominated

Credit Generator Information

Credit generator type (select all that apply):

- [ ] Permitted Discharge (non-MS4/CAFO)
- [ ] Permitted MS4
- [ ] Permitted CAFO
- [ ] Urban nonpoint source discharge
- [ ] Agricultural nonpoint source discharge
- [x] Other - Specify: Field Conversion

Are any of the credit generators in a different HUC 12 than the applicant?

- ( ) Yes; HUC 12: _____
- (●) No
- ( ) Unsure

Are any of the credit generators downstream of the applicant?

- (●) Yes
- ( ) No
- ( ) Unsure

Will a broker/exchange be used to facilitate trade?

- ( ) Yes; Name: _____
- (●) No
- ( ) Unsure

Point to Point Trades (Traditional Municipal / Industrial Discharge, MS4, CAFO)

Discharge Type	Permit Number	Name	Contact Address	Is the point source credit generator currently in compliance with their permit requirements?
( ) Traditional ( ) MS4 ( ) CAFO				( ) Yes ( ) No ( ) Unsure
( ) Traditional ( ) MS4 ( ) CAFO				( ) Yes ( ) No ( ) Unsure
( ) Traditional ( ) MS4 ( ) CAFO				( ) Yes ( ) No ( ) Unsure
( ) Traditional ( ) MS4 ( ) CAFO				( ) Yes ( ) No ( ) Unsure
( ) Traditional ( ) MS4 ( ) CAFO				( ) Yes ( ) No ( ) Unsure

Point to Nonpoint Trades (Non-permitted Agricultural, Non-Permitted Urban, etc.)

List the practices that will be used to generate credits:

Betley proposes a new discharge from their manure digester system. Betley has used the SnapPlus model to quantify the amount of potentially tradable phosphorous and sediment credits from its fields, assuming current farming practices continued, and then the amount after installation and maintenance of a permanent native prairie. Using a trade ratio of 2.1:1, Betley calculated the phosphorous and TSS water quality trading credits available per year based on the change in management practice from farming in corn sileage rotation to permanent native prairie for an existing farm field.

Method for quantifying credits generated:
- ☐ Monitoring
- ☒ Modeling, Names: SnapPlus (Version 20)
- ☐ Other: _____

Projected date credits will be available: 11/01/2024

The preparer certifies all of the following:

- I am familiar with the specifications submitted for this application, and I believe all applicable items in this checklist have been addressed.
- I have completed this document to the best of my knowledge and have not excluded pertinent information.

Signature of Preparer	Date Signed
	3/25/2025

Authorized Representative Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering and entering the information, the information is, to the best of my knowledge and belief, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative	Date Signed
	3/25/2025

State of Wisconsin
Department of Natural Resources
101 South Webster Street
Madison WI 53707-7921
dnr.wi.gov

Water Quality Trading Management Practice Registration

Form 3400-207 (R 1/14)

Notice: Pursuant to s. 283.84, Wis. Stats., this form must be completed by any WPDES permittee that is using water quality trading as a method of complying with a permit limitation. Failure to complete this form would not result in penalties. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Applicant Information

Permittee Name	Permit Number	Facility Site Number
Betley Farms, LLC	WI- 0063398	33947

Facility Address	City	State	ZIP Code
W1630 Redwood Drive	Pulaski	WI	54162

Project Contact Name (if applicable)	Address	City	State	ZIP Code
Aubree Zenone	200 W. Adams St - Suite 2700	Chicago	IL	60606

Project Name
Betley Farms

Broker/Exchange Information (if applicable)

Was a broker/exchange be used to facilitate trade? ◯ Yes ◉ No

Broker/Exchange Organization Name	Contact Name
N/A	N/A

Address	Phone Number	Email
N/A		

Trade Registration Information (Use a separate form for each trade agreement)

Type	Trade Agreement Number	Practices Used to Generate Credits	Anticipated Load Reduction	Trade Ratio	Method of Quantification
◯ Urban NPS ◉ Agricultural NPS ◯ Other	WQT-2024-0009	Field conversion to native prairie.	9.1 lbs TP 381 lbs TSS	2.1:1	SnapPlus (Version 20)

County	Closest Receiving Water Name	Land Parcel ID(s)	Parameter(s) being traded
Shawano	Upper Black Creek	030172100010 030172200000	TP and TSS

The preparer certifies all of the following:

- I have completed this document to the best of my knowledge and have not excluded pertinent information.
- I certify that the information in this document is true to the best of my knowledge.

Signature of Preparer	Date Signed
	3/25/2025

Authorized Representative Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering and entering the information, the information is, to the best of my knowledge and belief, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative	Date Signed
	3/25/2025

Leave Blank – For Department Use Only

Date Received		Trade Docket Number
Entered in Tracking System ☐ Yes	Date Entered	Name of Department Reviewer

State of Wisconsin
Department of Natural Resources
101 South Webster Street
Madison WI 53707-7921
dnr.wi.gov

Water Quality Trading Checklist

Notice: Pursuant to s. 283.84, Wis. Stats., this form must be completed by any WPDES permittee that intends to pursue pollutant trading as a method of complying with a permit limitation. Failure to complete this form would not result in penalties. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Applicant Information

Permittee Name	Permit Number	Facility Site Number
Betley Farms, LLC	WI- 0063398	33947

Facility Address	City	State	ZIP Code
W1630 Redwood Drive	Pulaski	WI	54162

Project Contact Name (if applicable)	Address	City	State	ZIP Code
Aubree Zenone	200 W. Adams St. - Suite 2700	Chicago	IL	60606

Project Name: Betley Farms

Receiving Water Name	Parameter(s) being traded	HUC 12(s)
Upper Black Creek	TP and TSS	040302020805

Credit Generator Information

Credit generator type (select all that apply):

- ☐ Permitted Discharge (non-MS4CAFO)
- ☐ Permitted MS4
- ☐ Permitted CAFO
- ☐ Urban nonpoint source discharge
- ☐ Agricultural nonpoint source discharge
- ☒ Other - Specify: Field Conversion

Are any of the credit generators in a different HUC 12 than the applicant?
- ○ Yes; HUC 12: _____
- ◉ No

Are any of the credit generators downstream of the applicant?
- ◉ Yes
- ○ No

Will a broker/exchange be used to facilitate trade?
- ○ Yes *(include description and contact information in WQT plan)*
- ◉ No

Point to Point Trades (Traditional Municipal / Industrial, MS4, CAFO)

Are each of the point source credit generators identified in this section in compliance with their WDPES permit requirements?
- ◉ Yes
- ○ No

Discharge Type	Permit Number	Name	Contact Information	Trade Agreement Number
○ Traditional ○ MS4 ○ CAFO				
○ Traditional ○ MS4 ○ CAFO				
○ Traditional ○ MS4 ○ CAFO				
○ Traditional ○ MS4 ○ CAFO				
○ Traditional ○ MS4 ○ CAFO				

Point to Point Trades (Traditional Municipal / Industrial, MS4, CAFO) *cont.*			
Does plan have a narrative that describes:			Plan Section
a. Summary of discharge and existing treatment including optimization	◯ Yes	◯ No	
b. Amount of credit being generated	◯ Yes	◯ No	
c. Timeline for credits and agreements	◯ Yes	◯ No	
d. Method for quantifying credits	◯ Yes	◯ No	
e. Tracking and verification procedures	◯ Yes	◯ No	
f. Location of credit generator in proximity to receiving water and credit user	◯ Yes	◯ No	
g. Other: _____	◯ Yes	◯ No	

Point to Nonpoint Trades (Non-Permitted Urban, Agricultural, Other)

Discharge Type	Practices Used to Generate Credits	Method of Quantification	Trade Agreement Number	Have the practice(s) been formally registered?
◯ Urban NPS ◉ Agricultural NPS ◯ Other	Cropping rotation to permanent native prairie	SnapPlus (Version 20)	WQT-2024-0009	◉ Yes ◯ No ◯ Only in part
◯ Urban NPS ◯ Agricultural NPS ◯ Other				◯ Yes ◯ No ◯ Only in part
◯ Urban NPS ◯ Agricultural NPS ◯ Other				◯ Yes ◯ No ◯ Only in part
◯ Urban NPS ◯ Agricultural NPS ◯ Other				◯ Yes ◯ No ◯ Only in part
◯ Urban NPS ◯ Agricultural NPS ◯ Other				◯ Yes ◯ No ◯ Only in part
◯ Urban NPS ◯ Agricultural NPS ◯ Other				◯ Yes ◯ No ◯ Only in part
◯ Urban NPS ◯ Agricultural NPS ◯ Other				◯ Yes ◯ No ◯ Only in part
◯ Urban NPS ◯ Agricultural NPS ◯ Other				◯ Yes ◯ No ◯ Only in part

Does plan have a narrative that describes:			Plan Section
a. Description of existing land uses	◉ Yes	◯ No	Background
b. Management practices used to generate credits	◉ Yes	◯ No	TrdngCredits
c. Amount of credit being generated	◉ Yes	◯ No	TrdngCredits
d. Description of applicable trade ratio per agreement/management practice	◉ Yes	◯ No	TrdngCredits
e. Location where credits will be generated	◉ Yes	◯ No	TrdngCredits
f. Timeline for credits and agreements	◉ Yes	◯ No	TrdngCredits
g. Method for quantifying credits	◉ Yes	◯ No	TrdngCredits

Does plan have a narrative that describes:			Plan Section
h. Tracking procedures	◉ Yes	○ No	Agreements
i. Conditions under which the management practices may be inspected	◉ Yes	○ No	Agreements
j. Reporting requirements should the management practice fail	◉ Yes	○ No	Agreements
k. Operation and maintenance plan for each management practice	◉ Yes	○ No	Agreements
l. Location of credit generator in proximity to receiving water and credit user	◉ Yes	○ No	Background
m. Practice registration documents, if available	◉ Yes	○ No	Appendices
n. History of project site(s)	◉ Yes	○ No	Background
o. Other: _____	○ Yes	◉ No	

The preparer certifies all of the following:

- I am familiar with the specifications submitted for this application, and I believe all applicable items in this checklist have been addressed.
- I have completed this document to the best of my knowledge and have not excluded pertinent information.
- I certify that the information in this document is true to the best of my knowledge.

Signature of Preparer	Date Signed
	3/25/2025

Authorized Representative Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of those persons directly responsible for gathering and entering the information, the information is, to the best of my knowledge and belief, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative	Date Signed
	3/25/2025

APPENDIX B – WDNR-BETLEY TRADING AGREEMENT

WATER QUALITY TRADING AGREEMENT

This Water Quality Trading Agreement ("Agreement") is made by and between the Wisconsin Department of Natural Resources ("State") and Betley Farms, LLC. ("Betley"), also referred to as "parties". In consideration for the obligations set forth below, the parties agree as follows:

A. Water Quality Trading ("WQT") is an alternative compliance option for Wisconsin Pollution Discharge Elimination System ("WPDES") permit holders, and it is authorized by Section 283.84 of the Wisconsin Statutes.
B. The State has issued Water Quality Trading Guidance ("Guidance"). The most recent version was published in June 2020.
C. This Agreement sets forth an arrangement to meet the terms and requirements of WQT as set forth in Section 283.84(1) of the Wisconsin Statutes so that Betley shall achieve compliance with its WPDES permit.
D. Before the State can issue a WPDES permit that allows WQT, Betley must submit a trading plan ("WQT Plan") and checklist ("WQT Checklist").
E. Betley is the WPDES permit holder (Permit No. WI- 0063398) and seeks to discharge to the Upper Fox River and Wolf River Basin. Betley will generate total phosphorus ("TP") and total suspended solids ("TSS") credits pursuant to this WQT Plan to fulfill its permit requirements.
F. The proposed outfall is located in the HUC-12 Subwatershed 040302020805 and is within the Upper Fox-Wolf Total Maximum Daily Load (TMDL).
G. All water quality credits generated pursuant to this Agreement shall be used for compliance within the month and year that the credits are generated and are not available for use before they are generated.
H. The Landowner owns a farm field (the "Field") in which the TP and TSS credit-generating practices are located. The Field is located in the HUC-12 Subwatershed 040302020805, which is the same HUC 12 as the outfall.
I. The Field is named Field 1-17, is 33 acres in total, 10 acres of which are to be dedicated towards WQT, and is on Parcel IDs 030172100010 and 030172200000.
J. For the past three years the Field has been in a corn sileage rotation.

Agreement Terms

a. Betley will convert the Field to permanent grassland consistent with the requirements in the WQT Plan and NRCS Technical Standard 327.
b. Betley is the owner of the parcel and will have access to the Field to perform all necessary implementation, inspection, and maintenance activities necessary to comply with the WQT Plan and NRCS Technical Standard 327.
c. All TP and TSS credits generated by converting the Field to permanent grassland will be owned by Betley.
d. Unless the Agreement is terminated in accordance with par. (f) or is modified at permit re-issuance, this Agreement will continue through the end date of each successive WPDES Permit term.

e. Any duly authorized officer, employee, or representative of the State shall have the right to access and inspect the Field so long as this Agreement remains in effect. Betley, through this agreement, shall ensure that State staff and representatives have the right to access and inspect the Field at reasonable times and upon notification so long as this Agreement remains in effect.
f. The Parties may terminate this Agreement by written mutual agreement at any time. Notice to terminate this Agreement must be providing at least sixty (60) days written notice to the parties of the Agreement.
g. This Agreement may be amended only by a further written document signed by each of the Parties.
h. This Agreement shall be effective upon signature by both Parties.
i. This Agreement shall be interpreted pursuant to the laws of the State of Wisconsin.
j. This Agreement may be executed in one or more counterparts, and all such executed counterparts shall constitute the same agreement. A signed copy of this Agreement transmitted by facsimile or email shall be treated as an original and shall be binding against the party whose signature appears on such copy.
k. If any provision of this Agreement is held invalid or unenforceable, the invalidity or unenforceability shall be limited to the particular provision involved and shall not affect the validity or enforceability of the remaining provisions, and the Parties shall work together in good faith to modify this Agreement if necessary to preserve its original intent.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year entered below.

Betley:	Wisconsin Department of Natural Resources:
_____	_____
Signature	Signature
_____	_____
(Name)	(Name)
_____	_____
Date	Date

APPENDIX C – WQT ENGINEERING LETTER

NORTHCOAST POWER SYSTEMS, LLC

January 26, 2024

Aubree Zenone
Burns & McDonnell

RE: BELTEY FARMS – WQT ENGINEERING CALCULATIONS FOR EFFLUENT DISCHARGE

Aubree:

We understand that Burns & McDonnel is completing a Water Quality Trade (WQT) for the TMDL offset needs of the effluent discharge for the proposed Aqua Innovations wastewater treatment system at Betley Farms (W1630 Redwood Drive, Pulaski, WI). Based on your request for information, the following is a summary of the effluent information.

Discharge Flow Metrics

- At current herd size, the farm is planning for a maximum effluent discharge rate of 46,867 gallons per day. The discharge pump would be anticipated to operate 12 hours per day (65 gpm).
- The effluent will be conveyed from the Aqua Innovations building to an observation manhole through 130' of Sch 40 PVC pipe. From the manhole, effluent will be conveyed 750' through an existing 36" HDPE culvert to a road ditch which will convey the effluent 1250' to an Unnamed Tributary of the Black Creek.
- The effluent will pass through a heat exchanger upon existing the Aqua System. This will lower the effluent temperature to be in compliance with the Temperature Limits as outlined in the Betley Farms WQBEL Memo dated 5-16-23.

Lab Data to Support Discharge Concentrations

- Based on prior effluent discharge permitting for new Aqua Innovations Systema and historical data from the Aqua Site at Springfield, WI, the following pollutant concentrations in the discharge effluent have been determined for planning purposes:
  - 0.04 mg/l for phosphorus (TP) and
  - 2.00 mg/l total suspended solids (TSS)
- Attachment K from the 2024 WPDES renewal package for the Aqua Innovations System Discharge at Springfield, WI is included with this letter as verification for the pollutant concentrations used in effluent calculations.

Pounds of Pollutants Being Discharged

- Betley Farms is planning to discharge:
  - 5.7 lbs of phosphorus (TP) per year and
  - 286 lbs of total suspended solids (TSS) per year

Discharge Dates

- Betley Farms is proposing to begin discharging in the beginning of Q3 2025 (6-1-25).

NORTHCOAST
POWER SYSTEMS, LLC

Evaluation of Conservation Measures

- Permitted effluent discharge volume expected from the forced draft aerator is anticipated to be conservative. The effluent gpd submitted is the total volume expected to be created but does not take recycling and reuse of the water into consideration. Effluent water is recycled for flushing the Ultrafiltration and Reverse Osmosis units and utilized for all clean-in-place functions in the Aqua Innovations system. The amount of effluent recycled is site dependent as varying influent conditions will change the frequency of flushing and cleaning, but we would estimate no less than 20% of the effluent to be used daily. Additionally, there is a customer use storage tank that will be continually filled for reuse of the effluent for on farm non-potable water demand.

I believe this information should satisfy the requirements for DNR submittal. If you have any questions or comments, please contact me at darrin@northcoast-power.com.

Sincerely,
Darrin Sherstad, PE

Attachments:

- Betley Farms Discharge Calculation Summary
- Attachment K: Wastewater Discharge Annual Reports (2024 Springfield WPDES Renewal)

Current System (from Aqua)						
Farm	Cows	Manure /Cow (gpd)	Total Cow Manure (gpd)	Leachate added (gpd)	Total Gallons In	33% ROP (gpd)
BETLEY	3530	34	120,020	22,000	142,020	46,867

Betley		
(From Aqua Upgraded System Cap.)		
Flow Rate	46,867	gal/day
TP Conc.	0.0400	mg/L
TSS Conc.	2.00	mg/L

Pollutant Discharge		
TP	**5.71**	lbs/yr
TSS	**286**	lbs/yr

Conversion Ratios			
1	gallon	3.785	Liters
1	mg	0.000001	kg
1	kg	2.205	lbs

Attachment K

Wastewater Discharge Annual Reports

2021 - 2024 Annual Report Summary
Springfield Clean Water

2021 Annual Report Summary							
Month	Days In Month	Avg. Discharge (gpd)	Adjusted Monthly Total Discharge (gal)	Avg. Effluent TP Conc. (mg/L)*	Avg Effluent TSS. Conc. (mg/L)**	Discharged TP (Lbs)	Discharged TSS (Lbs)
January	31	-	-	-	-	0.0	0.0
February	28	-	-	-	-	0.0	0.0
March	31	-	-	-	-	0.0	0.0
April	30	-	-	-	-	0.0	0.0
May	31	-	-	-	-	0.0	0.0
June	30	-	-	-	-	0.0	0.0
July	31	-	-	-	-	0.0	0.0
August	31	1,720	53,319	0.011	0.10	0.0	0.0
September	30	-	-	-	-	0.0	0.0
October	31	5,977	185,291	0.011	0.10	0.0	0.2
November	30	-	-	-	-	0.0	0.0
December	31	3,126	96,893	0.070	0.10	0.1	0.1
	Averages	902	335,503	0.03	0.10	0.007	0.023

TOTAL	671,006	<--Gallons	**Creidts Used (Total Discharge)**	0.085	0.303
			Credits Generated	99.0	145733.0
			Credits Remaining	98.9	145732.7

2022 Annual Report Summary							
Month	Days In Month	Avg. Discharge (gpd)	Adjusted Monthly Total Discharge (gal)	Avg. Effluent TP Conc. (mg/L)*	Avg Effluent TSS. Conc. (mg/L)**	Discharged TP (Lbs)	Discharged TSS (Lbs)
January	31	3,937	122,061	0.050	0.10	0.051	0.102
February	28	2,669	74,727	0.011	0.10	0.007	0.062
March	31	6,028	186,879	0.011	0.10	0.017	0.156
April	30	1,399	41,965	0.011	3.00	0.004	1.050
May	31	7,563	234,452	0.011	0.10	0.022	0.196
June	30	4,896	146,868	0.053	0.10	0.064	0.122
July	31	14,713	456,092	0.011	0.10	0.042	0.380
August	31	10,606	328,789	0.128	0.10	0.351	0.274
September	30	6,348	190,450	0.066	0.10	0.104	0.159
October	31	5,725	177,479	0.016	0.10	0.023	0.148
November	30	1,003	30,097	0.040	0.10	0.010	0.025
December	31	1,062	32,937	0.011	0.10	0.003	0.027
	Averages	5,496	2,022,795	0.035	0.34	0.06	0.23

TOTAL	4,045,591	<--Gallons	**Creidts Used (Total Discharge)**	0.756	2.927
			Credits Generated	99.0	145733.0
			Credits Remaining	98.2	145730.1

2023 Annual Report Summary							
Month	Days In Month	Avg. Discharge (gpd)	Adjusted Monthly Total Discharge (gal)	Avg. Effluent TP Conc. (mg/L)	Avg Effluent TSS. Conc. (mg/L)	Discharged TP (Lbs)	Discharged TSS (Lbs)
January	31	-	-	-	-	0.000	0.000
February	28	-	-	-	-	0.000	0.000
March	31	1,449	44,907	0.011	0.10	0.004	0.037
April	30	-	-	-	-	0.000	0.000
May	31	754	23,374	0.011	0.10	0.002	0.019
June	30	1,879	56,377	0.011	0.10	0.005	0.047
July	31	5,485	170,041	0.011	0.10	0.016	0.142
August	31	797	24,694	0.011	0.10	0.002	0.021
September	30	-	-	-	-	0.000	0.000
October	31	3,216	99,709	0.011	0.10	0.009	0.083
November	30	446	13,377	0.011	0.10	0.001	0.011
December	31	-	-	-	-	0.000	0.000
Averages		1,169	36,040	0.006	0.06	0.00	0.03

TOTAL	468,518	<--Gallons	Creidts Used (Total Discharge)	0.043	0.391
			Credits Generated	99.0	145733.0
			Credits Remaining	99.0	145732.6

2024 Annual Report Summary							
Month	Days In Month	Avg. Discharge (gpd)	Adjusted Monthly Total Discharge (gal)	Avg. Effluent TP Conc. (mg/L)	Avg Effluent TSS. Conc. (mg/L)	Discharged TP (Lbs)	Discharged TSS (Lbs)
January	31	-	-	-	-	0.0	0.0
February	28	-	-	-	-	0.0	0.0
March	31	-	-	-	-	0.0	0.0
April	30	-	-	-	-	0.0	0.0
May	31	-	-	-	-	0.0	0.0
June	30	-	-	-	-	0.0	0.0
July	31	-	-	-	-	0.0	0.0
August	31	-	-	-	-	0.0	0.0
September	30	-	-	-	-	0.0	0.0
October	31	-	-	-	-	0.0	0.0
November	30	-	-	-	-	0.0	0.0
December	31	-	-	-	-	0.0	0.0
Averages		-	-	-	-	0.0	0.0

TOTAL	-	<--Gallons	Creidts Used (Total Discharge)	0.000	0.000
			Credits Generated	99.0	145733.0
			Credits Remaining	99.0	145733.0

*TP detection limit is 0.011 mg/L, in cases where test results were 'non-detect', the detection limit value was used as the concentration value

**TSS detection limit is 2 mg/L, in cases where tests results were 'non-detect', a value of 0.1 mg/L was used based off previous research

2021 Annual Report
Springfield Clean Water

2021 Annual Report Summary							
Month	Days In Month	Avg. Discharge (gpd)	Adjusted Monthly Total Discharge (gal)	Avg. Effluent TP Conc. (mg/L)*	Avg Effluent TSS. Conc. (mg/L)**	Discharged TP (Lbs)	Discharged TSS (Lbs)
January	31	-	-	-	-	0.0	0.0
February	28	-	-	-	-	0.0	0.0
March	31	-	-	-	-	0.0	0.0
April	30	-	-	-	-	0.0	0.0
May	31	-	-	-	-	0.0	0.0
June	30	-	-	-	-	0.0	0.0
July	31	-	-	-	-	0.0	0.0
August	31	1,720	53,319	0.011	0.10	0.0	0.0
September	30	-	-	-	-	0.0	0.0
October	31	5,977	185,291	0.011	0.10	0.0	0.2
November	30	-	-	-	-	0.0	0.0
December	31	3,126	96,893	0.070	0.10	0.1	0.1
	Averages	902	335,503	0.03	0.10	0.007	0.023

TOTAL	671,006	<--Gallons	**Creidts Used (Total Discharge)**	0.085	0.303
			Credits Generated	99.0	145733.0
			Credits Remaining	98.9	145732.7

*TP detection limit is 0.011 mg/L, in cases where test results were 'non-detect', the detection limit value was used as the concentration value

**TSS detection limit is 2 mg/L, in cases where tests results were 'non-detect', a value of 0.1 mg/L was used based off previous research

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 01/01/2021 - 01/31/2021
Form Due Date: 02/21/2021
Permit Number: 0065889

Date Received:	
DOC:	462435
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
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	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			
	Monthly Total					
	Daily Max		16	9		
	Daily Min			6	7	
	Weekly Avg		10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	98				
	Daily Min					
	Weekly Avg	57	9.90			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
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	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
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	22					
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	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by vjchandelia(vjchandelia) on 7/7/2021 11:40:33 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 02/01/2021 - 02/28/2021
Form Due Date: 03/21/2021
Permit Number: 0065889

Date Received:	
DOC:	462436
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			
	Monthly Total					
	Daily Max		16	9		
	Daily Min			6	7	
	Weekly Avg		10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	98				
	Daily Min					
	Weekly Avg	58	9.90			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by vjchandelia(vjchandelia) on 7/7/2021 11:44:08 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 03/01/2021 - 03/31/2021
Form Due Date: 04/21/2021
Permit Number: 0065889

Date Received:	
DOC:	462437
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			
	Monthly Total					
	Daily Max		16	9		
	Daily Min			6	7	
	Weekly Avg		10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	97				
	Daily Min					
	Weekly Avg	59	9.90			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by vjchandelia(vjchandelia) on 7/7/2021 11:44:30 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 04/01/2021 - 04/30/2021
Form Due Date: 05/21/2021
Permit Number: 0065889

Date Received:	
DOC:	469008
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			
	Monthly Total					
	Daily Max		16	9		
	Daily Min			6	7	
	Weekly Avg		10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	95				
	Daily Min					
	Weekly Avg	59	6.10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by vjchandelia(vjchandelia) on 7/7/2021 11:45:05 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 05/01/2021 - 05/31/2021
Form Due Date: 06/21/2021
Permit Number: 0065889

Date Received:	
DOC:	469009
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
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	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	94				
	Daily Min					
	Weekly Avg	69	6.10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
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	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by vjchandelia(vjchandelia) on 7/7/2021 11:45:34 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 06/01/2021 - 06/30/2021
Form Due Date: 07/21/2021
Permit Number: 0065889

Date Received:	
DOC:	469010
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
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	24	0				
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	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
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	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	93				
	Daily Min					
	Weekly Avg	81	5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
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	20					
	21					
	22					
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	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by vjchandelia(vjchandelia) on 7/7/2021 11:46:03 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 07/01/2021 - 07/31/2021
Form Due Date: 08/21/2021
Permit Number: 0065889

Date Received:	
DOC:	474386
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	0									
	Monthly Total										
	Daily Max	0									
	Daily Min	0									
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	21					
	22					
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	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**										
	Monthly Total										
	Daily Max										
	Daily Min										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	87	0	5	0						
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	21					
	22					
	23					
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	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**														
	Monthly Total														
	Daily Max														
	Daily Min														
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification														

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
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	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 3/24/2022 9:35:03 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 08/01/2021 - 08/31/2021
Form Due Date: 09/21/2021
Permit Number: 0065889

Date Received:	
DOC:	474387
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	8167	6	6.6	7.57	1
	20	9100				
	21	12559				
	22	8862				
	23	3181				
	24	6251	4	6.8	7.43	<1
	25	5199				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	1719.967741935		5		6.7		7.5		0.5	
	Monthly Total										
	Daily Max	12559		6		6.8		7.57		1	
	Daily Min	0		4		6.6		7.43		<1	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg			6							
	Week 4 Avg			4							
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19		3.4	<0.011		
	20					
	21					
	22					
	23					
	24		3.955	<0.011		
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			3.6775		0					
	Monthly Total										
	Daily Max			3.955		<0.011					
	Daily Min			3.4		<0.011					
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg			3.4							
	Week 4 Avg			3.955							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	88		5	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19			<2		
	20					
	21					
	22					
	23					
	24			<2		
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0									
	Monthly Total														
	Daily Max					<2									
	Daily Min					<2									
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	22					
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	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 4/4/2022 5:12:14 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 09/01/2021 - 09/30/2021
Form Due Date: 10/21/2021
Permit Number: 0065889

Date Received:	
DOC:	474388
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	0									
	Monthly Total										
	Daily Max	0									
	Daily Min	0									
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
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	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**										
	Monthly Total										
	Daily Max										
	Daily Min										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	80	0	5	0						
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**														
	Monthly Total														
	Daily Max														
	Daily Min														
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification														

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
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	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 4/5/2022 8:37:59 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 10/01/2021 - 10/31/2021
Form Due Date: 11/21/2021
Permit Number: 0065889

Date Received:	
DOC:	480803
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	10185				
	2	11918				
	3	10636				
	4	15737	8	6.75	7.43	
	5	9015				
	6	8179				
	7	8493				
	8	11014		6.59	7.53	
	9	15720				
	10	17876				
	11	9741	2	6.54	7.61	
	12	8097	6	9.94	7.48	<1
	13	11302				
	14	9252		6.86	7.50	
	15	0				
	16	11139				
	17	12234				
	18	4753				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	5977.129032258		5.333333333		7.336		7.51		0	
	Monthly Total										
	Daily Max	17876		8		9.94		7.61		<1	
	Daily Min	0		2		6.54		7.43		<1	
	Week 1 Avg			8							
	Week 2 Avg			4							
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0						
	Monthly Total										
	Daily Max			8.20	0	9	0				
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12		2.931	<0.011		
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			2.931		0					
	Monthly Total										
	Daily Max			2.931		<0.011					
	Daily Min			2.931		<0.011					
	Week 1 Avg										
	Week 2 Avg			2.931							
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	96	0								
	Daily Min										
	Weekly Avg	67	0	9.90	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12			<2		
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0									
	Monthly Total														
	Daily Max					<2									
	Daily Min					<2									
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	22					
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	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 4/5/2022 9:11:30 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 11/01/2021 - 11/30/2021
Form Due Date: 12/21/2021
Permit Number: 0065889

Date Received:	
DOC:	480804
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10	0							
	Monthly Total										
	Daily Max		16	0	9	0					
	Daily Min				6	0	7	0			
	Weekly Avg		10	0							
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**										
	Monthly Total										
	Daily Max										
	Daily Min										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	996	0								
	Daily Min										
	Weekly Avg	54	0	9.90	0						
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	1343		1344		457		457		457	
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total	
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**										
	Monthly Total										
	Daily Max										
	Daily Min										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**					10	0				
	Monthly Total			0	0						
	Daily Max					16	0				
	Daily Min										
	Weekly Avg										
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 4/5/2022 9:21:35 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 12/01/2021 - 12/31/2021
Form Due Date: 01/21/2022
Permit Number: 0065889

Date Received:	
DOC:	480805
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	8070	3	6.8	7.37	<1
	17	10262				
	18	9287				
	19	9089				
	20	2765				
	21	10963		6.7	7.40	
	22	13172				
	23	9509				
	24	9152				
	25	11194				
	26	3430				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	3125.580645161	3	6.75	7.385	0
	Monthly Total					
	Daily Max	13172	3	6.8	7.4	<1
	Daily Min	0	3	6.7	7.37	<1
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg		3			
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10 0			
	Monthly Total					
	Daily Max		16 0	9 0		
	Daily Min			6 0	7 0	
	Weekly Avg		10 0			
QA/QC Information	**LOD**		2			
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification		737109450			

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16		2.83	0.070		
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			2.83		0.07					
	Monthly Total										
	Daily Max			2.83		0.07					
	Daily Min			2.83		0.07					
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg			2.83							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	97	0								
	Daily Min										
	Weekly Avg	56	0	9.90	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16			<2		
	17					
	18					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0									
	Monthly Total														
	Daily Max					<2									
	Daily Min					<2									
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
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	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 4/6/2022 11:28:38 AM

2022 Annual Report
Springfield Clean Water

2022 Annual Report Summary							
Month	Days In Month	Avg. Discharge (gpd)	Adjusted Monthly Total Discharge (gal)	Avg. Effluent TP Conc. (mg/L)*	Avg Effluent TSS. Conc. (mg/L)**	Discharged TP (Lbs)	Discharged TSS (Lbs)
January	31	3,937	122,061	0.050	0.10	0.051	0.102
February	28	2,669	74,727	0.011	0.10	0.007	0.062
March	31	6,028	186,879	0.011	0.10	0.017	0.156
April	30	1,399	41,965	0.011	3.00	0.004	1.050
May	31	7,563	234,452	0.011	0.10	0.022	0.196
June	30	4,896	146,868	0.053	0.10	0.064	0.122
July	31	14,713	456,092	0.011	0.10	0.042	0.380
August	31	10,606	328,789	0.128	0.10	0.351	0.274
September	30	6,348	190,450	0.066	0.10	0.104	0.159
October	31	5,725	177,479	0.016	0.10	0.023	0.148
November	30	1,003	30,097	0.040	0.10	0.010	0.025
December	31	1,062	32,937	0.011	0.10	0.003	0.027
	Averages	5,496	2,022,795	0.035	0.34	0.06	0.23

TOTAL	**4,045,591**	<--Gallons	**Creidts Used (Total Discharge)**	0.756	2.927
			Credits Generated	99.0	145733.0
			Credits Remaining	98.2	145730.1

*TP detection limit is 0.011 mg/L, in cases where test results were 'non-detect', the detection limit value was used as the concentration

**TSS detection limit is 2 mg/L, in cases where tests results were 'non-detect', a value of 0.1 mg/L was used based off previous research

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 01/01/2022 - 01/31/2022
Form Due Date: 02/21/2022
Permit Number: 0065889

Date Received:	
DOC:	486126
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	3105		7.1	7.69	
	12	6071				
	13	3579	<2			<1
	14	6088				
	15	5809				
	16	9585				
	17	6529				<1
	18	3179				
	19	15056				
	20	11043	5	6.9	7.58	
	21	7366				
	22	6114				
	23	15438				
	24	6067		6.7	7.53	
	25	2354				
	26	0				
	27	5966				<1
	28	5534				
	29	3178		7.0	7.63	
	30	0				
	31	0				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	3937.451612903		2.5		6.925		7.6075		0	
	Monthly Total										
	Daily Max	15438		5		7.1		7.69		<1	
	Daily Min	0		<2		6.7		7.53		<1	
	Week 1 Avg										
	Week 2 Avg			0							
	Week 3 Avg			5							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			10	0						
	Monthly Total										
	Daily Max			16	0	9	0				
	Daily Min					6	0	7	0		
	Weekly Avg			10	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13		1.969	0.030	.00089547	
	14					
	15					
	16					
	17		2.438	0.050	.00272259	
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27		3.263	0.070	.00348295	
	28					
	29					
	30					
	31					0.042606

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			2.556666667		0.05		0.002367003		0.042606	
	Monthly Total										
	Daily Max			3.263		0.07		0.00348295		0.042606	
	Daily Min			1.969		0.03		0.00089547		0.042606	
	Week 1 Avg										
	Week 2 Avg			1.969							
	Week 3 Avg			2.438							
	Week 4 Avg			3.263							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	98									
	Daily Min										
	Weekly Avg	57		9.90	0						
QA/QC Information	**LOD**			0.127		0.11*Footnote					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13			<2	0	
	14					
	15					
	16					
	17			<2	0	
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27			<2	0	
	28					
	29					
	30					
	31	.042606	0			0

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**	0.042606		0		0		0		0					
	Monthly Total			0											
	Daily Max	0.042606		0		<2		0		0					
	Daily Min	0.042606		0		<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**					3*Footnote									
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0	0			

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0	0			
	Monthly Total		0			
	Daily Max	0	0			
	Daily Min	0	0			
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0	0		
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	606				
	2	160				
	3	0				
	4	0				
	5	0				
	6	1660				
	7	30127				
	8	42482				
	9	35901				
	10	1583				
	11	9751				
	12	26582				
	13	18208				
	14	25478				
	15	24128				
	16	35066				
	17	31585				
	18	19665				
	19	56185				
	20	43510				
	21	36007				
	22	33448				
	23	53866				
	24	29331				
	25	13163				
	26	307				
	27	22799				
	28	24689	33.369	10.06	5.65	4.521
	29	9667				
	30	596				
	31	394				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	20224	33.369	10.06	5.65	4.521
	Monthly Total					
	Daily Max	56185	33.369	10.06	5.65	4.521
	Daily Min	0	33.369	10.06	5.65	4.521
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 7/7/2022 1:57:36 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 02/01/2022 - 02/28/2022
Form Due Date: 03/21/2022
Permit Number: 0065889

Date Received:	
DOC:	486127
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	5769	<2	6.3	7.53	
	10	5964	2	6.2		<1
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	2185	<2	7.1	7.43	<1
	17	0				
	18	0				
	19	0				
	20	0				
	21	7747	<2	7.1	7.51	<1
	22	2437				
	23	7313	2	6.9	7.31	
	24	6457	2			
	25	6511				
	26	11463				
	27	5355				
	28	13526	2	6.8	7.49	
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	2668.821428571		1.142857143		6.733333333		7.454		0	
	Monthly Total										
	Daily Max	13526		2		7.1		7.53		<1	
	Daily Min	0		<2		6.2		7.31		<1	
	Week 1 Avg										
	Week 2 Avg			1							
	Week 3 Avg			0							
	Week 4 Avg			2							
Limit(s) in Effect	**Monthly Avg**			10	0						
	Monthly Total										
	Daily Max			16	0	9	0				
	Daily Min					6	0	7	0		
	Weekly Avg			10	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9		0.526	<0.011	0	
	10		5.718	<0.011	0	
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21			<0.011	0	
	22		7.882			
	23					
	24					
	25					
	26					
	27					
	28			<0.011	0	0
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			4.708666667		0		0		0	
	Monthly Total										
	Daily Max			7.882		<0.011		0		0	
	Daily Min			0.526		<0.011		0		0	
	Week 1 Avg										
	Week 2 Avg			3.122							
	Week 3 Avg										
	Week 4 Avg			7.882							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	98									
	Daily Min										
	Weekly Avg	58		9.90	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9			<2	0	
	10					
	11					
	12					
	13					
	14					
	15					
	16			<2	0	
	17					
	18					
	19					
	20					
	21			<2	0	
	22					
	23			<2	0	
	24					
	25					
	26					
	27					
	28			<2	0	0
	29					
	30					
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0		0		0					
	Monthly Total														
	Daily Max					<2		0		0					
	Daily Min					<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**					2									
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	280				
	2	4133				
	3	325				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	14428				
	11	14629				
	12	633				
	13	0				
	14	0				
	15	0				
	16	5862				
	17	6062				
	18	0				
	19	0				
	20	0				
	21	967				
	22	29790				
	23	14598				
	24	23514				
	25	27481				
	26	27680				
	27	47785				
	28	20879				
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	8537.357142857				
	Monthly Total					
	Daily Max	47785				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 7/7/2022 2:39:05 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 03/01/2022 - 03/31/2022
Form Due Date: 04/21/2022
Permit Number: 0065889

Date Received:	
DOC:	486128
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	13335				
	2	15525	3	7.4	7.51	<1
	3	6260	2	7.4	7.47	<1
	4	6622				
	5	9509				
	6	11050				
	7	11597				
	8	10971	<2	6.9	7.56	<1
	9	7987	2		7.45	
	10	2229				
	11	13263				
	12	10454				
	13	0				
	14	9399	3	6.8	7.41	
	15	7085	2	7.1	7.53	
	16	4649	3	6.9	7.38	<1
	17	12950				
	18	11272				
	19	15807				
	20	6915				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	6028.35483871		2.142857143		7.083333333		7.472857143		0	
	Monthly Total										
	Daily Max	15807		3		7.4		7.56		<1	
	Daily Min	0		<2		6.8		7.38		<1	
	Week 1 Avg			2.5							
	Week 2 Avg			1.666666667							
	Week 3 Avg			2.5							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			10	0						
	Monthly Total										
	Daily Max			16	0	9	0				
	Daily Min					6	0	7	0		
	Weekly Avg			10	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3		7.746	<0.011	0	
	4					
	5					
	6					
	7					
	8		7.602	<0.011	0	
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16		6.196	<0.011	0	
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			7.181333333		0		0		0	
	Monthly Total										
	Daily Max			7.746		<0.011		0		0	
	Daily Min			6.196		<0.011		0		0	
	Week 1 Avg			7.746							
	Week 2 Avg			7.602							
	Week 3 Avg			6.196							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	1	1	0				
	Monthly Total										
	Daily Max	97									
	Daily Min										
	Weekly Avg	59		9.90	0						
QA/QC Information	**LOD**			0.17*Footnote		0.02*Footnote					
	LOQ			0.567*Footnote		0.1*Footnote					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2			<2	0	
	3			<2	0	
	4					
	5					
	6					
	7					
	8			<2	0	
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16			<2	0	
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					0

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0		0		0					
	Monthly Total														
	Daily Max					<2		0		0					
	Daily Min					<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**					2									
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	46115				
	2	47272				
	3	53227				
	4	27210				
	5	31429				
	6	34586				
	7	37868				
	8	48290				
	9	39028				
	10	37399				
	11	12740				
	12	41261				
	13	36615				
	14	3800				
	15	35407				
	16	30817				
	17	33526				
	18	40870				
	19	38157				
	20	48149				
	21	23086				
	22	1074				
	23	369				
	24	1784				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	24196.096774194				
	Monthly Total					
	Daily Max	53227				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Exceedence Comments

Exceeded monthly average on Ammonia Limit. Operator error in the difference between the weekly average of 9.9 ppm and the monthly at 5.0 ppm. Adjustments made to interstage pH on RO to increase Ammonia rejection.

Submitted by Scott Hynds(scottdhynds) on 7/7/2022 3:15:42 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 04/01/2022 - 04/30/2022
Form Due Date: 05/21/2022
Permit Number: 0065889

Date Received:	
DOC:	494571
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	2335				
	27	3517	3	7.0	7.49	<1
	28	10742				
	29	13139				
	30	12232				
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	1398.833333333		3		7		7.49		0	
	Monthly Total										
	Daily Max	13139		3		7		7.49		<1	
	Daily Min	0		3		7		7.49		<1	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg			3							
Limit(s) in Effect	**Monthly Avg**			10	0						
	Monthly Total										
	Daily Max			16	0	9	0				
	Daily Min					6	0	7	0		
	Weekly Avg			10	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27		4.428	<0.011	0	
	28					
	29					
	30					0
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			4.428		0		0		0	
	Monthly Total										
	Daily Max			4.428		<0.011		0		0	
	Daily Min			4.428		<0.011		0		0	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg			4.428							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	95	0								
	Daily Min										
	Weekly Avg	59	0	6.10	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27			3		
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					3									
	Monthly Total														
	Daily Max					3									
	Daily Min					3									
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					5825
	27					16258
	28					31204
	29					33111
	30					29303
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					23140.2
	Monthly Total					
	Daily Max					33111
	Daily Min					5825
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 7/7/2022 3:51:09 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 05/01/2022 - 05/31/2022
Form Due Date: 06/21/2022
Permit Number: 0065889

Date Received:	
DOC:	494572
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	3393				
	8	10531				
	9	6013				
	10	3915				
	11	8481	6			
	12	8330	3	6.7	7.23	<1
	13	3919				
	14	12467				
	15	10893				
	16	13994	3	7.1	7.19	<1
	17	15864	2	6.9	7.14	<1
	18	9485	2		7.21	
	19	6138				
	20	9882				
	21	9480				
	22	11304				
	23	9474				
	24	10355	2		7.15	
	25	9220	2	6.9	7.14	
	26	5519	2	7.0	7.09	<1
	27	11138				
	28	10330				
	29	13732				
	30	14570				
	31	6025				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	7562.967741935		2.75		6.92		7.164285714		0	
	Monthly Total										
	Daily Max	15864		6		7.1		7.23		<1	
	Daily Min	0		2		6.7		7.09		<1	
	Week 1 Avg										
	Week 2 Avg			4.5							
	Week 3 Avg			2.333333333							
	Week 4 Avg			2							
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12		6.2	<0.011	0	
	13					
	14					
	15					
	16		6.001	<0.011	0	
	17			<0.011	0	
	18		4.967			
	19					
	20					
	21					
	22					
	23					
	24		4.723	<0.011	0	
	25					
	26		5.912	<0.011	0	
	27					
	28					
	29					
	30					
	31					0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			5.5606		0		0		0	
	Monthly Total										
	Daily Max			6.2		<0.011		0		0	
	Daily Min			4.723		<0.011		0		0	
	Week 1 Avg										
	Week 2 Avg			6.2							
	Week 3 Avg			5.484							
	Week 4 Avg			5.3175							
Limit(s) in Effect	**Monthly Avg**			5	1	1	0				
	Monthly Total										
	Daily Max	94									
	Daily Min										
	Weekly Avg	69		6.10	1						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424*Footnote		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12			<2		
	13					
	14					
	15					
	16			<2		
	17			<2		
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26			<2		
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**			0		
	Monthly Total					
	Daily Max			<2		
	Daily Min			<2		
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10 / 0		
	Monthly Total		0			
	Daily Max			16 / 0		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**			2		
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	14040				
	2	22887				
	3	9614				
	4	136				
	5	488				
	6	599				
	7	11055				
	8	32374				
	9	21838				
	10	17575				
	11	25466				
	12	27274				
	13	22797				
	14	27114				
	15	22407				
	16	31607				
	17	35930				
	18	25548				
	19	22162				
	20	24864				
	21	21516				
	22	26248				
	23	19626				
	24	26045				
	25	27430				
	26	20805				
	27	31698				
	28	26475				
	29	30880				
	30	31925				
	31	14921				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	21720.774193548				
	Monthly Total					
	Daily Max	35930				
	Daily Min	136				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Exceedence Comments

Adjustment of interstage RO pH setpoint was slightly off - made further adjustments and replaced pH probe to stabilize fluctuation of pH to increase ammonia rejection.

Submitted by Scott Hynds(scottdhynds) on 7/7/2022 4:41:56 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 06/01/2022 - 06/30/2022
Form Due Date: 07/21/2022
Permit Number: 0065889

Date Received:	
DOC:	494573
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	5288				
	2	10054				
	3	10765				
	4	11924				
	5	8323				
	6	10690				
	7	8579	2	6.8	7.27	<1
	8	8178				
	9	10731	3	6.9	7.31	<1
	10	5701				
	11	0				
	12	3798				
	13	8060				
	14	5420	3	6.6	7.20	
	15	4935	3	6.5	7.29	1
	16	2732				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	3591				
	29	16222	4	6.3	7.19	<1
	30	11877				
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	4895.6		3		6.62		7.252		0.25	
	Monthly Total										
	Daily Max	16222		4		6.9		7.31		1	
	Daily Min	0		2		6.3		7.19		<1	
	Week 1 Avg			2							
	Week 2 Avg			3							
	Week 3 Avg			3							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6		5.029	<0.011	0	
	7		3.670	<0.011	0	
	8					
	9		4.890	0.200	0.0000179	
	10					
	11					
	12					
	13					
	14					
	15		4.361	<0.011	0	
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29		3.249	0.030	0.00000406	
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			4.2398		0.046		4.392E-06			
	Monthly Total										
	Daily Max			5.029		0.2		1.79E-05			
	Daily Min			3.249		<0.011		0			
	Week 1 Avg			4.3495							
	Week 2 Avg			4.89							
	Week 3 Avg			4.361							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	81	0	5	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6			<2	0	
	7			<2	0	
	8					
	9			<2	0	
	10					
	11					
	12					
	13					
	14					
	15			<2	0	
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29			<2	0	
	30					0
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0		0		0					
	Monthly Total														
	Daily Max					<2		0		0					
	Daily Min					<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**					2									
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	18352				
	2	32376				
	3	28357				
	4	30855				
	5	20067				
	6	27408				
	7	21992				
	8	19143				
	9	22845				
	10	18451				
	11	2575				
	12	8822				
	13	18248				
	14	18897				
	15	14537				
	16	8075				
	17	0				
	18	284				
	19	0				
	20	0				
	21	0				
	22	448				
	23	0				
	24	0				
	25	370				
	26	0				
	27	0				
	28	14569				
	29	40200				
	30	31386				
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	13275.233333333				
	Monthly Total					
	Daily Max	40200				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 8/15/2022 2:31:23 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 07/01/2022 - 07/31/2022
Form Due Date: 08/21/2022
Permit Number: 0065889

Date Received:	
DOC:	499211
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	23963		6.74	7.16	
	2	4928				
	3	22386				
	4	17429				
	5	16777		6.45	7.28	
	6	2895		6.30	7.23	
	7	10390	<2		7.37	
	8	8471				
	9	9621				
	10	31195				
	11	14700		6.56	7.28	
	12	19511	<2		7.32	
	13	23250	<2	6.49	7.47	
	14	29107				
	15	10033				
	16	16106				
	17	4770				
	18	4770			7.39	
	19	26758	2	6.39	7.41	
	20	1403				
	21	12487				
	22	12487				
	23	12433				
	24	11529				
	25	27846				
	26	11183				
	27	0				
	28	7707				
	29	17493				
	30	21311				
	31	23153				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	14712.64516129	0.5	6.488333333	7.323333333	
	Monthly Total					
	Daily Max	31195	2	6.74	7.47	
	Daily Min	0	<2	6.3	7.16	
	Week 1 Avg		0			
	Week 2 Avg		0			
	Week 3 Avg		2			
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5 / 0			400 / 0
	Monthly Total					
	Daily Max		8.20 / 0	9 / 0		400 / 0
	Daily Min			6 / 0	7 / 0	
	Weekly Avg		5 / 0			
QA/QC Information	**LOD**		2			
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification		737109450			

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6		2.629	<0.011	0	
	7					
	8					
	9					
	10					
	11					
	12		3.181	<0.011	0	
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**			2.905		0		0		0	
	Monthly Total										
	Daily Max			3.181		<0.011		0		0	
	Daily Min			2.629		<0.011		0		0	
	Week 1 Avg			2.629							
	Week 2 Avg			3.181							
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	87	0	5	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6			<2	0	
	7					
	8					
	9					
	10					
	11					
	12			<2	0	
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					0

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0		0		0					
	Monthly Total														
	Daily Max					<2		0		0					
	Daily Min					<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**					2									
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	56589				
	2	28290				
	3	47401				
	4	41276				
	5	42048				
	6	15288				
	7	31699				
	8	23356				
	9	24454				
	10	66613				
	11	39529				
	12	53889				
	13	50916				
	14	55739				
	15	27436				
	16	40284				
	17	15390				
	18	15390				
	19	62243				
	20	5733				
	21	33165				
	22	33165				
	23	33298				
	24	30062				
	25	61352				
	26	31624				
	27	975				
	28	21545				
	29	46996				
	30	45492				
	31	47838				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	36421.774193548				
	Monthly Total					
	Daily Max	66613				
	Daily Min	975				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 10/10/2022 2:52:03 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 08/01/2022 - 08/31/2022
Form Due Date: 09/21/2022
Permit Number: 0065889

Date Received:	
DOC:	499212
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	5879				
	2	18643	<2	6.36	7.21	
	3	20998	2	6.51	7.29	
	4	23071	<2		7.36	
	5	26041				
	6	14791				
	7	22994				
	8	19680				
	9	3034				
	10	9521	<2	6.29	7.31	
	11	18660	<2	6.74	7.42	
	12	15494				
	13	8653				
	14	7296				
	15	3132				
	16	5435	<2	6.46	7.29	
	17	5755				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	8223	<2	6.73	7.41	
	25	18633	<2		7.22	
	26	12088				
	27	7055				
	28	17099				
	29	12265				
	30	10224	<2	6.69	7.36	
	31	14125	2		7.24	

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	10606.096774194		0.4		6.54		7.311			
	Monthly Total										
	Daily Max	26041		2		6.74		7.42			
	Daily Min	0		<2		6.29		7.21			
	Week 1 Avg			0.666666667							
	Week 2 Avg			0							
	Week 3 Avg			0							
	Week 4 Avg			0							
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2	74				
	3	76	3.4	<0.011	0	
	4	75	3.572			
	5					
	6					
	7					
	8					
	9					
	10	83				
	11	85	3.282	<0.011	0	
	12					
	13					
	14					
	15					
	16	80	3.083	<0.011	0	
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24	83	3.315	<0.011	0	
	25	80				
	26					
	27					
	28					
	29					
	30	81	3.574	0.020	0.00000171	
	31	82				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	79.9		3.371		0.004		3.42E-07			
	Monthly Total										
	Daily Max	85		3.574		0.02		1.71E-06			
	Daily Min	74		3.083		<0.011		0			
	Week 1 Avg	75		3.486							
	Week 2 Avg	84		3.282							
	Week 3 Avg	80		3.083							
	Week 4 Avg	81.5		3.315							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	88	0	5	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3			<2	0	
	4			<2	0	
	5					
	6					
	7					
	8					
	9					
	10					
	11			<2	0	
	12					
	13					
	14					
	15					
	16			<2	0	
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24			<2	0	
	25					
	26					
	27					
	28					
	29					
	30			<2	0	
	31					0

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0		0		0					
	Monthly Total														
	Daily Max					<2		0		0					
	Daily Min					<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	16320				
	2	47160				
	3	58591				
	4	58263				
	5	61098				
	6	34988				
	7	53117				
	8	48729				
	9	10084				
	10	27877				
	11	50396				
	12	43819				
	13	26655				
	14	22850				
	15	8512				
	16	15551				
	17	21271				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	6636				
	24	20457				
	25	46907				
	26	35279				
	27	24903				
	28	40743				
	29	30854				
	30	26098				
	31	39413				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	28276.483870968				
	Monthly Total					
	Daily Max	61098				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 11/17/2022 12:16:56 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 09/01/2022 - 09/30/2022
Form Due Date: 10/21/2022
Permit Number: 0065889

Date Received:	
DOC:	499213
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	11325	<2	6.3	7.27	
	2	4581		6.42	7.41	
	3	6218				
	4	4106				
	5	9636				
	6	14899		6.54	7.49	
	7	2053				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	3760				
	14	1205				
	15	14098	<2	6.4	7.36	<1
	16	24304		6.39	7.41	
	17	17900				
	18	6088				
	19	0				
	20	1562				
	21	0				
	22	0				
	23	0				
	24	15944		6.32	7.27	
	25	19781				
	26	18131		6.41	7.52	
	27	12442	3	6.4	7.45	<1
	28	2417				
	29	0				
	30	0				
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	6348.333333333		1		6.3975		7.3975		0	
	Monthly Total										
	Daily Max	24304		3		6.54		7.52		<1	
	Daily Min	0		<2		6.3		7.27		<1	
	Week 1 Avg			0							
	Week 2 Avg										
	Week 3 Avg			0							
	Week 4 Avg			3							
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**	74				
	2	73				
	3					
	4					
	5					
	6	75				
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15	73	3.018	<0.011	0	
	16	77				
	17	72				
	18					
	19					
	20					
	21					
	22					
	23					
	24	72				
	25					
	26	70				
	27	68	3.102	0.120	.00001245	
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	72.666666667		3.06		0.06		6.225E-06			
	Monthly Total										
	Daily Max	77		3.102		0.12		1.245E-05			
	Daily Min	68		3.018		<0.011		0			
	Week 1 Avg	74									
	Week 2 Avg										
	Week 3 Avg	74		3.018							
	Week 4 Avg	70		3.102							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	80	0	5	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15			<2	0	
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27			<2	0	
	28					
	29					
	30					0
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**					0		0		0					
	Monthly Total														
	Daily Max					<2		0		0					
	Daily Min					<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**														
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	33150				
	2	17359				
	3	26705				
	4	14459				
	5	25630				
	6	41608				
	7	8823				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	10985				
	14	1836				
	15	35511				
	16	58309				
	17	48843				
	18	14973				
	19	0				
	20	12208				
	21	0				
	22	0				
	23	468				
	24	34211				
	25	41418				
	26	40096				
	27	40732				
	28	7592				
	29	0				
	30	0				
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	17163.866666667				
	Monthly Total					
	Daily Max	58309				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Some under-reporting occurred do to system downtime and on some days were minimal discharge occurred there was insufficient volume captured in the composite sampler

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 11/17/2022 1:17:27 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 10/01/2022 - 10/31/2022
Form Due Date: 11/21/2022
Permit Number: 0065889

Date Received:	
DOC:	504563
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	12796	2	6.2	7.36	
	5	18963	<2		7.27	
	6	11807	2			
	7	10700				
	8	17042				
	9	16066				
	10	8102				
	11	10299	<2	6.4	7.39	
	12	13087				
	13	17433				
	14	22133				
	15	8727				
	16	6976				
	17	448				
	18	2818				
	19	82				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	5725.129032258	1	6.3	7.34	
	Monthly Total					
	Daily Max	22133	2	6.4	7.39	
	Daily Min	0	<2	6.2	7.27	
	Week 1 Avg		1.333333333			
	Week 2 Avg		0			
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification		737109450			

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4			0.020	0.00000213	
	5					
	6					
	7					
	8					
	9					
	10					
	11			<0.011	0	
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**			0.01	1.065E-06	
	Monthly Total					
	Daily Max			0.02	2.13E-06	
	Daily Min			<0.011	0	
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	96				
	Daily Min					
	Weekly Avg	67	5			
QA/QC Information	**LOD**			0.011		
	LOQ			0.037		
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4			<2	0	
	5					
	6					
	7					
	8					
	9					
	10					
	11			<2	0	
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**			0	0	
	Monthly Total					
	Daily Max			<2	0	
	Daily Min			<2	0	
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	0				
	2	0				
	3	0				
	4	37033				
	5	52170				
	6	34155				
	7	38045				
	8	45831				
	9	45244				
	10	26127				
	11	27328				
	12	42530				
	13	55444				
	14	64680				
	15	28871				
	16	24139				
	17	7352				
	18	9483				
	19	5352				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	17541.419354839				
	Monthly Total					
	Daily Max	64680				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 11/01/2022 - 11/30/2022
Form Due Date: 12/21/2022
Permit Number: 0065889

Date Received:	
DOC:	504564
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	8233				
	2	8723				
	3	0				
	4	701				
	5	1300				
	6	0				
	7	0				
	8	4368	<2	6.21	7.40	
	9	6648				
	10	0				
	11	0				
	12	124				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	1003.233333333	0	6.21	7.4	
	Monthly Total					
	Daily Max	8723	<2	6.21	7.4	
	Daily Min	0	<2	6.21	7.4	
	Week 1 Avg					
	Week 2 Avg		0			
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification		737109450			

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8			0.040	.00001457	
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**			0.04	1.457E-05	
	Monthly Total					
	Daily Max			0.04	1.457E-05	
	Daily Min			0.04	1.457E-05	
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	996				
	Daily Min					
	Weekly Avg	54	5			
QA/QC Information	**LOD**			0.011		
	LOQ			0.037		
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8			<2	0	
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**			0	0	
	Monthly Total					
	Daily Max			<2	0	
	Daily Min			<2	0	
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	20457				
	2	27272				
	3	2771				
	4	19318				
	5	11471				
	6	5578				
	7	3141				
	8	18353				
	9	26625				
	10	2556				
	11	0				
	12	3165				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	427				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	4704.466666667				
	Monthly Total					
	Daily Max	27272				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 12/01/2022 - 12/31/2022
Form Due Date: 01/21/2023
Permit Number: 0065889

Date Received:	
DOC:	504565
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	1460				
	4	0				
	5	2104				
	6	11393				
	7	4165	<2	6.76	7.55	<1
	8	54				
	9	1845				
	10	5186				
	11	3777				
	12	0				
	13	0				
	14	2146				
	15	807				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	1062.483870968	0	6.76	7.55	0
	Monthly Total					
	Daily Max	11393	<2	6.76	7.55	<1
	Daily Min	0	<2	6.76	7.55	<1
	Week 1 Avg		0			
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification		737109450			

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7			<0.011	0	
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**			0	0	
	Monthly Total					
	Daily Max			<0.011	0	
	Daily Min			<0.011	0	
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	97				
	Daily Min					
	Weekly Avg	56	5			
QA/QC Information	**LOD**			0.011		
	LOQ			0.037		
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7			<2	0	
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**			0	0	
	Monthly Total					
	Daily Max			<2	0	
	Daily Min			<2	0	
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	1079				
	2	2113				
	3	11257				
	4	224				
	5	9073				
	6	46131				
	7	22951				
	8	4531				
	9	12115				
	10	24804				
	11	13456				
	12	864				
	13	4380				
	14	8069				
	15	7149				
	16	108				
	17	582				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	5447.935483871				
	Monthly Total					
	Daily Max	46131				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

2023 Annual Report
Springfield Clean Water

2023 Annual Report Summary							
Month	**Days In Month**	**Avg. Discharge (gpd)**	**Adjusted Monthly Total Discharge (gal)**	**Avg. Effluent TP Conc. (mg/L)**	**Avg Effluent TSS. Conc. (mg/L)**	**Discharged TP (Lbs)**	**Discharged TSS (Lbs)**
January	31	-	-	-	-	0.000	0.000
February	28	-	-	-	-	0.000	0.000
March	31	1,449	44,907	0.011	0.10	0.004	0.037
April	30	-	-	-	-	0.000	0.000
May	31	754	23,374	0.011	0.10	0.002	0.019
June	30	1,879	56,377	0.011	0.10	0.005	0.047
July	31	5,485	170,041	0.011	0.10	0.016	0.142
August	31	797	24,694	0.011	0.10	0.002	0.021
September	30	-	-	-	-	0.000	0.000
October	31	3,216	99,709	0.011	0.10	0.009	0.083
November	30	446	13,377	0.011	0.10	0.001	0.011
December	31	-	-	-	-	0.000	0.000
Averages		1,169	36,040	0.006	0.06	0.00	0.03

TOTAL	**468,518**	<--Gallons	**Creidts Used (Total Discharge)**	0.043	0.391
			Credits Generated	99.0	145733.0
			Credits Remaining	99.0	145732.6

*TP detection limit is 0.011 mg/L, in cases where test results were 'non-detect', the detection limit value was used as the concentration value

**TSS detection limit is 2 mg/L, in cases where tests results were 'non-detect', a value of 0.1 mg/L was used based off previous research

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 01/01/2023 - 01/31/2023
Form Due Date: 02/21/2023
Permit Number: 0065889

Date Received:	
DOC:	510003
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	16					
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	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	98				
	Daily Min					
	Weekly Avg	57	5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		003		004		005	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		Conc. Centrate to Part. Farms		Conc. Centrate to Lagoon		Conc. Centrate to New Farms	
	Parameter	1348		1347		211		211		211	
	Description	WQT Credits Used (TSS)		WQT Computed Compliance (TSS)		Flow Rate		Flow Rate		Flow Rate	
	Units	lbs/month		lbs/month		gpd		gpd		gpd	
Summary Values	**Monthly Avg**										
	Monthly Total										
	Daily Max										
	Daily Min										
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**										
	Monthly Total			0							
	Daily Max										
	Daily Min										
	Weekly Avg										
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance										
	Lab Certification										

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

System was offline during the month of January

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 2/23/2023 4:20:08 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 02/01/2023 - 02/28/2023
Form Due Date: 03/21/2023
Permit Number: 0065889

Date Received:	
DOC:	510004
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	98				
	Daily Min					
	Weekly Avg	58	5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
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	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

No discharge occurred during this month.

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 3/20/2023 10:19:59 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 03/01/2023 - 03/31/2023
Form Due Date: 04/21/2023
Permit Number: 0065889

Date Received:	
DOC:	510005
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	3148	<2	6.4	7.36	<1
	3	9080				
	4	6257				
	5	0				
	6	0				
	7	1482	<2	6.5	7.41	<1
	8	3413	2			
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	2800	<2	6.6	7.3	<1
	16	1768				
	17	7778				
	18	2755				
	19	0				
	20	0				
	21	0				
	22	0				
	23	3682	2	6.2	7.49	<1
	24	1284				
	25	1460				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	1448.612903226		0.8		6.425		7.39		0	
	Monthly Total										
	Daily Max	9080		2		6.6		7.49		<1	
	Daily Min	0		<2		6.2		7.3		<1	
	Week 1 Avg			0							
	Week 2 Avg			2							
	Week 3 Avg			0							
	Week 4 Avg			2							
Limit(s) in Effect	**Monthly Avg**			10	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2	58	3.785	<0.011		
	3					
	4					
	5					
	6					
	7	58	2.745	<0.011		
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15	52	3.038	0.170	0.00397	
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23	55	4.801	<0.011		
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001			
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water			
	Parameter	480		789		388		388		388			
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total			
	Units	degF		mg/L		mg/L		lbs/day		lbs/month			
Summary Values	**Monthly Avg**	55.75		3.59225		0.0425		0.00397					
	Monthly Total												
	Daily Max	58		4.801		0.17		0.00397					
	Daily Min	52		2.745		<0.011		0.00397					
	Week 1 Avg	58		3.265									
	Week 2 Avg												
	Week 3 Avg	52		3.038									
	Week 4 Avg	55		4.801									
Limit(s) in Effect	**Monthly Avg**			5	0	1	0						
	Monthly Total												
	Daily Max	97	0										
	Daily Min												
	Weekly Avg	59	0	5	0								
QA/QC Information	**LOD**			0.254*Footnote		0.011							
	LOQ			0.848*Footnote		0.037							
	QC Exceedance	N		N		N		N		N			
	Lab Certification			737109450		737109450							

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1					
	2			<2		
	3					
	4					
	5					
	6					
	7			<2		
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15			<2		
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23			<2		
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0.51				0

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**	0.51				0				0					
	Monthly Total														
	Daily Max	0.51				<2				0					
	Daily Min	0.51				<2				0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**					2									
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0				

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0 0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	0				
	2	28151	36.01	18.0	7.41	5.928
	3	41366				
	4	29299				
	5	0				
	6	0				
	7	11080				
	8	20118				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	26633				
	16	23814				
	17	34350				
	18	13802				
	19	0				
	20	0				
	21	0				
	22	0				
	23	25478				
	24	19747				
	25	16626				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	9369.806451613	36.01	18	7.41	5.928
	Monthly Total					
	Daily Max	41366	36.01	18	7.41	5.928
	Daily Min	0	36.01	18	7.41	5.928
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**				0	
	LOQ				0	
	QC Exceedance	N	N	N	N	N
	Lab Certification				737109450	737109450

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Phos sample was sent to incorrect lab and is shown not as total Phos but as P2O5 - corrective action taken

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 5/9/2023 3:23:54 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 04/01/2023 - 04/30/2023
Form Due Date: 05/21/2023
Permit Number: 0065889

Date Received:	
DOC:	517768
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			
	Monthly Total					
	Daily Max		16	9		
	Daily Min			6	7	
	Weekly Avg		10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	95				
	Daily Min					
	Weekly Avg	59	6.10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

No discharge occurred during the month of April

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 5/5/2023 11:04:49 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 05/01/2023 - 05/31/2023
Form Due Date: 06/21/2023
Permit Number: 0065889

Date Received:	
DOC:	517769
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	4395	2	6.2	7.29	<1
	25	3284	<2	6.7	7.46	<1
	26	3137				
	27	2393				
	28	5081				
	29	0				
	30	3470	3	6.5	7.57	4
	31	1614	2	6.8	7.37	1

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	754		1.75		6.55		7.4225		1.25	
	Monthly Total										
	Daily Max	5081		3		6.8		7.57		4	
	Daily Min	0		<2		6.2		7.29		<1	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg			1							
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24	68	1.670	<0.011		
	25	64				
	26					
	27					
	28					
	29					
	30					
	31	69	7.638	<0.011	0	0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	67		4.654		0		0		0	
	Monthly Total										
	Daily Max	69		7.638		<0.011		0		0	
	Daily Min	64		1.67		<0.011		0		0	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg	66		1.67							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	94	0								
	Daily Min										
	Weekly Avg	69	0	6.10	0						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24			<2		
	25					
	26					
	27					
	28					
	29					
	30					
	31	0	0	<2	0	0

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**	0	0	0	0	0
	Monthly Total		0			
	Daily Max	0	0	<2	0	0
	Daily Min	0	0	<2	0	0
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10 0		
	Monthly Total		0 0			
	Daily Max			16 0		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0	0			

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0	0			
	Monthly Total		0			
	Daily Max	0	0			
	Daily Min	0	0			
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	12316				
	24	23515				
	25	18219	33.43	32.89	8.2	7.49
	26	18532				
	27	10689				
	28	22801				
	29	289				
	30	18570				
	31	8489				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	4303.870967742	33.43	32.89	8.2	7.49
	Monthly Total					
	Daily Max	23515	33.43	32.89	8.2	7.49
	Daily Min	0	33.43	32.89	8.2	7.49
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**				0	
	LOQ				0	
	QC Exceedance	N	N	N	N	N
	Lab Certification				737109450	737109450

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

LOD and LOQ for 106 Liquid Fertilizer Product not available because sample is a composite of two results. It would not allow me to submite without a value in there.

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 7/31/2023 4:26:10 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 06/01/2023 - 06/30/2023
Form Due Date: 07/21/2023
Permit Number: 0065889

Date Received:	
DOC:	517770
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	5338				
	9	4754				
	10	0				
	11	0				
	12	0				
	13	1470	<2	6.3	7.64	<1
	14	6656				
	15	3467	2	6.6	7.42	<1
	16	4617				
	17	2167				
	18	4048				
	19	3456	3	6.3	7.36	
	20	784				
	21	1264	<2	6.2	7.45	<1
	22	1782				
	23	954				
	24	3684				
	25	2381				
	26	0				
	27	597				
	28	2295				
	29	3735	2	6.9	7.49	<1
	30	2928				
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	1879.233333333		1.4		6.46		7.472		0	
	Monthly Total										
	Daily Max	6656		3		6.9		7.64		<1	
	Daily Min	0		<2		6.2		7.36		<1	
	Week 1 Avg										
	Week 2 Avg			0							
	Week 3 Avg			1.666666667							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12	79	6.617	<0.011		
	13					
	14					
	15	77	7.263	<0.011		
	16					
	17					
	18					
	19	80				
	20					
	21	75	3.821	<0.011		
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29	79	1.401	<0.011		
	30				0	0
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	78		4.7755		0		0		0	
	Monthly Total										
	Daily Max	80		7.263		<0.011		0		0	
	Daily Min	75		1.401		<0.011		0		0	
	Week 1 Avg										
	Week 2 Avg	79		6.617							
	Week 3 Avg	77.333333333		5.542							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	81	0	5	2						
QA/QC Information	**LOD**			0.127		0.011					
	LOQ			0.424		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12			<2		
	13					
	14					
	15			<2		
	16					
	17					
	18					
	19					
	20					
	21			<2		
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29			<2		
	30	0	0		0	0
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**	0	0	0	0	0
	Monthly Total		0			
	Daily Max	0	0	<2	0	0
	Daily Min	0	0	<2	0	0
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10 0		
	Monthly Total		0 0			
	Daily Max			16 0		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification			737109450		

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30	0	0			
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0	0			
	Monthly Total		0			
	Daily Max	0	0			
	Daily Min	0	0			
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	0				
	2	0				
	3	0				
	4	1767				
	5	594				
	6	9993				
	7	2940				
	8	25123				
	9	24096				
	10	462				
	11	200				
	12	0				
	13	12718				
	14	24209				
	15	12915				
	16	18177				
	17	9656				
	18	14886				
	19	19801				
	20	15162				
	21	24676				
	22	14900				
	23	6465				
	24	15600				
	25	12932				
	26	0				
	27	7014				
	28	12624				
	29	25854	31.72	9.99	6.14	4.4
	30	38012				
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	11692.533333333	31.72	9.99	6.14	4.4
	Monthly Total					
	Daily Max	38012	31.72	9.99	6.14	4.4
	Daily Min	0	31.72	9.99	6.14	4.4
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**				0	
	LOQ				0	
	QC Exceedance	N	N	N	N	N
	Lab Certification				737109450	737109450

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Exceedence Comments

Week 2 and week 3 weekly averages exceeded the limit of 5 by 1.617 (6.617 average) and 0.542 (5.542 average) due to sulfuric acid dosing pump variance. Corrective action taken by adjustment of operating parameters.

Submitted by Scott Hynds(scottdhynds) on 7/31/2023 5:02:45 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 07/01/2023 - 07/31/2023
Form Due Date: 08/21/2023
Permit Number: 0065889

Date Received:	
DOC:	523841
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	5067				
	2	0				
	3	1697	<2	6.8	7.32	
	4	0				
	5	5313	2	6.9	7.46	<1
	6	6134				
	7	6477				
	8	5456				
	9	2083				
	10	1340				
	11	5208				
	12	5371	2	6.7	7.31	<1
	13	10428	<2	6.9	7.23	
	14	8432				
	15	7710				
	16	13289				
	17	7309				
	18	3700	3	6.7	7.45	<1
	19	4207				
	20	10900				
	21	8219				
	22	7487				
	23	6130				
	24	5774				
	25	6905				
	26	5911				
	27	9024	2	6.5	7.61	<1
	28	3770				
	29	4989				
	30	0				
	31	1711	<2	6.6	7.39	

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	5485.193548387		1.285714286		6.728571429		7.395714286		0	
	Monthly Total										
	Daily Max	13289		3		6.9		7.61		<1	
	Daily Min	0		<2		6.5		7.23		<1	
	Week 1 Avg			1							
	Week 2 Avg			1							
	Week 3 Avg			3							
	Week 4 Avg			2							
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3	82		<0.011		
	4					
	5	84		<0.011		
	6					
	7					
	8					
	9					
	10					
	11					
	12	81		<0.011		
	13					
	14					
	15					
	16					
	17					
	18	79		<0.011		
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27	84		<0.011		
	28					
	29					
	30					
	31	80		<0.011	0	0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	81.666666667				0		0		0	
	Monthly Total										
	Daily Max	84				<0.011		0		0	
	Daily Min	79				<0.011		0		0	
	Week 1 Avg	83									
	Week 2 Avg	81									
	Week 3 Avg	79									
	Week 4 Avg	84									
Limit(s) in Effect	**Monthly Avg**			5		1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	87	0	5							
QA/QC Information	**LOD**					0.011					
	LOQ					0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification					737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3			<2		
	4					
	5			<2		
	6					
	7					
	8					
	9					
	10					
	11					
	12			<2		
	13					
	14					
	15					
	16					
	17					
	18			<2		
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27			<2		
	28					
	29					
	30					
	31	0	0	<2	0	0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	1343		1344		457		457		457	
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total	
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	0		0		0		0		0	
	Monthly Total			0							
	Daily Max	0		0		<2		0		0	
	Daily Min	0		0		<2		0		0	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**					10	0				
	Monthly Total			0	0						
	Daily Max					16	0				
	Daily Min										
	Weekly Avg										
QA/QC Information	**LOD**					2					
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification					737109450					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0	0			

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0	0			
	Monthly Total		0			
	Daily Max	0	0			
	Daily Min	0	0			
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	37818				
	2	198				
	3	16712				
	4	1184				
	5	29098				
	6	35253				
	7	42284				
	8	29114				
	9	22728				
	10	18457				
	11	43294				
	12	38751	30.21	15.10	6.88	5.49
	13	38323				
	14	40868				
	15	43113				
	16	57085				
	17	42344				
	18	38411				
	19	30044				
	20	47473				
	21	42120				
	22	40992				
	23	30583				
	24	34976				
	25	36227				
	26	41375				
	27	47193				
	28	33131				
	29	28938				
	30	915				
	31	28052				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	32808.193548387	30.21	15.1	6.88	5.49
	Monthly Total					
	Daily Max	57085	30.21	15.1	6.88	5.49
	Daily Min	198	30.21	15.1	6.88	5.49
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**				0	
	LOQ				0	
	QC Exceedance	N	N	N	N	N
	Lab Certification				737109450	737109450

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Ammonia samples missing due to prepped bottle shortage

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 11/15/2023 3:28:15 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 08/01/2023 - 08/31/2023
Form Due Date: 09/21/2023
Permit Number: 0065889

Date Received:	
DOC:	523842
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	5001	2	6.43	7.31	
	2	4741				
	3	6313	6	6.49	7.29	
	4	4004				
	5	0				
	6	0				
	7	0				
	8	0				
	9	1703	<2	6.69	7.44	<1
	10	2932	<2	6.52	7.28	
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	796.580645161		2		6.5325		7.33		0	
	Monthly Total										
	Daily Max	6313		6		6.69		7.44		<1	
	Daily Min	0		<2		6.43		7.28		<1	
	Week 1 Avg			4							
	Week 2 Avg			0							
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1	82	<0.381	<0.011		
	2					
	3	80				
	4					
	5					
	6					
	7					
	8					
	9	79		<0.011		
	10	77				
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31				0	0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	79.5		0		0		0		0	
	Monthly Total										
	Daily Max	82		<0.381		<0.011		0		0	
	Daily Min	77		<0.381		<0.011		0		0	
	Week 1 Avg	81		0							
	Week 2 Avg	78									
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	93	0								
	Daily Min										
	Weekly Avg	88	0	5	0						
QA/QC Information	**LOD**			0.381		0.011					
	LOQ			1.272		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**			<2		
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9			<2		
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0	0		0	0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	1343		1344		457		457		457	
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total	
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	0		0		0		0		0	
	Monthly Total			0							
	Daily Max	0		0		<2		0		0	
	Daily Min	0		0		<2		0		0	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**					10	0				
	Monthly Total			0	0						
	Daily Max					16	0				
	Daily Min										
	Weekly Avg										
QA/QC Information	**LOD**					2					
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification					737109450					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0	0			

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0	0			
	Monthly Total		0			
	Daily Max	0	0			
	Daily Min	0	0			
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	32242				
	2	40196				
	3	41830				
	4	26676				
	5					
	6					
	7					
	8					
	9	29109				
	10	37642				
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	34615.833333333				
	Monthly Total					
	Daily Max	41830				
	Daily Min	26676				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 11/15/2023 3:28:58 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 09/01/2023 - 09/30/2023
Form Due Date: 10/21/2023
Permit Number: 0065889

Date Received:	
DOC:	523843
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
Summary Values	**Monthly Avg**	0				
	Monthly Total					
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5			400
	Monthly Total					
	Daily Max		8.20	9		400
	Daily Min			6	7	
	Weekly Avg		5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		5	1		
	Monthly Total					
	Daily Max	93				
	Daily Min					
	Weekly Avg	80	5			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**			10		
	Monthly Total		0			
	Daily Max			16		
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

No dicsharged occurred

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 11/15/2023 3:30:10 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 10/01/2023 - 10/31/2023
Form Due Date: 11/21/2023
Permit Number: 0065889

Date Received:	
DOC:	531394
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	4759				
	7	6487		6.3	7.41	<1
	8	5820				
	9	3321	<2	6.4	7.36	<1
	10	5824	<2	6.9	7.51	
	11	4598				
	12	2600	<2	6.4	7.55	<1
	13	3458				
	14	6783				
	15	5434				
	16	5092	3	6.4	7.44	
	17	3737				
	18	5838	2	7.1	7.59	3
	19	1211	3	6.3	7.37	<1
	20	0				
	21	1718				
	22	5136				
	23	1026	3	6.2	7.48	<1
	24	1332				
	25	0				
	26	5115	2	6.2	7.61	<1
	27	5403				
	28	2920				
	29	2505	<2	6.7	7.34	<1
	30	6104				
	31	3488				

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	3216.419354839		1.444444444		6.49		7.466		0.375	
	Monthly Total										
	Daily Max	6783		3		7.1		7.61		3	
	Daily Min	0		<2		6.2		7.34		<1	
	Week 1 Avg										
	Week 2 Avg			0							
	Week 3 Avg			2.666666667							
	Week 4 Avg			2.5							
Limit(s) in Effect	**Monthly Avg**			5	0					400	0
	Monthly Total										
	Daily Max			8.20	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7	63	4.743	<0.011		
	8					
	9					
	10					
	11					
	12	68	4.1	<0.11		
	13					
	14					
	15	71				
	16					
	17					
	18	72	7.128	<0.011		
	19	72	2.7	<0.11		
	20					
	21					
	22					
	23	69	2.1	<0.011		
	24					
	25					
	26	69	1.9	<0.011		
	27					
	28					
	29	73				
	30					
	31				0	0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	69.625		3.7785		0		0		0	
	Monthly Total										
	Daily Max	73		7.128		<0.11		0		0	
	Daily Min	63		1.9		<0.011		0		0	
	Week 1 Avg	63		4.743							
	Week 2 Avg	68		4.1							
	Week 3 Avg	71.666666667		4.914							
	Week 4 Avg	69		2							
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	96	0								
	Daily Min										
	Weekly Avg	67	0	5	0						
QA/QC Information	**LOD**			0.43*Footnote		0.11*Footnote					
	LOQ			1.437*Footnote		0.37*Footnote					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7			<2		
	8					
	9					
	10					
	11					
	12			<2		
	13					
	14					
	15					
	16					
	17					
	18			<2		
	19			<2		
	20					
	21					
	22					
	23			<2		
	24					
	25					
	26			<2		
	27					
	28					
	29					
	30					
	31	0	0		0	0

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	1343		1344		457		457		457	
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total	
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	0		0		0		0		0	
	Monthly Total			0							
	Daily Max	0		0		<2		0		0	
	Daily Min	0		0		<2		0		0	
	Week 1 Avg										
	Week 2 Avg										
	Week 3 Avg										
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**					10	0				
	Monthly Total			0	0						
	Daily Max					16	0				
	Daily Min										
	Weekly Avg										
QA/QC Information	**LOD**					2					
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification					737109450					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31	0	0			

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0	0			
	Monthly Total		0			
	Daily Max	0	0			
	Daily Min	0	0			
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0			
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	29229				
	7	41535				
	8	33247				
	9	19795				
	10	31673	21.41	10.71	5.5	4.36
	11	27151				
	12	29371				
	13	22017				
	14	34094				
	15	32192				
	16	26336				
	17	31496				
	18	18890				
	19	9815				
	20	15335				
	21	29193				
	22	22300				
	23	26011				
	24	17676				
	25	36586				
	26	33565				
	27	22059				
	28	19800				
	29	38022				
	30	24624				
	31	26816				

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	22542.838709677	21.41	10.71	5.5	4.36
	Monthly Total					
	Daily Max	41535	21.41	10.71	5.5	4.36
	Daily Min	0	21.41	10.71	5.5	4.36
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**				0	
	LOQ				0	
	QC Exceedance	N	N	N	N	N
	Lab Certification				737109450	737109450

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 3/12/2024 10:40:36 PM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 11/01/2023 - 11/30/2023
Form Due Date: 12/21/2023
Permit Number: 0065889

Date Received:	
DOC:	531395
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	204
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Fecal Coliform
	Units	gpd	mg/L	su	mg/L	#/100ml
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	GRAB
	Frequency	DAILY	3/WEEK	WEEKLY	3/WEEK	WEEKLY
Sample Results	Day 1	0				
	2	3533	4	6.4	7.27	<1
	3	1677				
	4	0				
	5	1712	5	6.3	7.29	<1
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19					
	20	1819	3	6.5	7.40	
	21	4190	3	6.4	7.33	<1
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	211		66		377		186		204	
	Description	Flow Rate		BOD5, Total		pH Field		Dissolved Oxygen		Fecal Coliform	
	Units	gpd		mg/L		su		mg/L		#/100ml	
Summary Values	**Monthly Avg**	445.896551724		3.75		6.4		7.3225		0	
	Monthly Total										
	Daily Max	4190		5		6.5		7.4		<1	
	Daily Min	0		3		6.3		7.27		<1	
	Week 1 Avg			4.5							
	Week 2 Avg										
	Week 3 Avg			3							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			10	0					400	0
	Monthly Total										
	Daily Max			8.2	0	9	0			400	0
	Daily Min					6	0	7	0		
	Weekly Avg			5	0						
QA/QC Information	**LOD**			2							
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450							

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	480	789	388	388	388
	Description	Temperature Maximum	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total
	Units	degF	mg/L	mg/L	lbs/day	lbs/month
	Sample Type	MEASURE	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2	53	3.9	<0.011		
	3					
	4					
	5	50				
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20	52				
	21	51	2.3	<0.011		
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water	
	Parameter	480		789		388		388		388	
	Description	Temperature Maximum		Nitrogen, Ammonia (NH3-N) Total		Phosphorus, Total		Phosphorus, Total		Phosphorus, Total	
	Units	degF		mg/L		mg/L		lbs/day		lbs/month	
Summary Values	**Monthly Avg**	51.5		3.1		0					
	Monthly Total										
	Daily Max	53		3.9		<0.011					
	Daily Min	50		2.3		<0.011					
	Week 1 Avg	51.5		3.9							
	Week 2 Avg										
	Week 3 Avg	51.5		2.3							
	Week 4 Avg										
Limit(s) in Effect	**Monthly Avg**			5	0	1	0				
	Monthly Total										
	Daily Max	996	0								
	Daily Min										
	Weekly Avg	54	0	5	0						
QA/QC Information	**LOD**			0.381		0.011					
	LOQ			1.272		0.037					
	QC Exceedance	N		N		N		N		N	
	Lab Certification			737109450		737109450					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1343	1344	457	457	457
	Description	WQT Credits Used (TP)	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total
	Units	lbs/month	lbs/month	mg/L	lbs/day	lbs/month
	Sample Type	CALCULATED	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	MONTHLY
Sample Results	**Day 1**					
	2			<2		
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21			<2		
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30	0	0		0	0
	31					

	Sample Point	001		001		001		001		001					
	Description	UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water		UF/RO Discharge Water					
	Parameter	1343		1344		457		457		457					
	Description	WQT Credits Used (TP)		WQT Computed Compliance (TP)		Suspended Solids, Total		Suspended Solids, Total		Suspended Solids, Total					
	Units	lbs/month		lbs/month		mg/L		lbs/day		lbs/month					
Summary Values	**Monthly Avg**	0		0		0		0		0					
	Monthly Total			0											
	Daily Max	0		0		<2		0		0					
	Daily Min	0		0		<2		0		0					
	Week 1 Avg														
	Week 2 Avg														
	Week 3 Avg														
	Week 4 Avg														
Limit(s) in Effect	**Monthly Avg**					10	0								
	Monthly Total			0	0										
	Daily Max					16	0								
	Daily Min														
	Weekly Avg														
QA/QC Information	**LOD**					2									
	LOQ														
	QC Exceedance	N		N		N		N		N					
	Lab Certification					737109450									

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
	Sample Type	CALCULATED	CALCULATED	TOT DAILY	TOT DAILY	TOT DAILY
	Frequency	MONTHLY	MONTHLY	WEEKLY	WEEKLY	WEEKLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30	0	0			
	31					

	Sample Point	001	001	003	004	005
	Description	UF/RO Discharge Water	UF/RO Discharge Water	Conc. Centrate to Part. Farms	Conc. Centrate to Lagoon	Conc. Centrate to New Farms
	Parameter	1348	1347	211	211	211
	Description	WQT Credits Used (TSS)	WQT Computed Compliance (TSS)	Flow Rate	Flow Rate	Flow Rate
	Units	lbs/month	lbs/month	gpd	gpd	gpd
Summary Values	**Monthly Avg**	0	0			
	Monthly Total		0			
	Daily Max	0	0			
	Daily Min	0	0			
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total		0	0		
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	TOT DAILY	GRAB	CALCULATED	GRAB	CALCULATED
	Frequency	WEEKLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**	5404				
	2	6251				
	3	4878				
	4	6154				
	5	2391				
	6	709				
	7	1177				
	8	63				
	9	867				
	10	2025				
	11	65				
	12	0				
	13	689				
	14	118				
	15	96				
	16	2111				
	17	2057				
	18	2042				
	19	6559				
	20	4916				
	21	7421				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31					

	Sample Point	106	106	106	106	106
	Description	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	211	338	951	388	663
	Description	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total	Phosphorus, Available
	Units	gpd	lb/1000gal	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**	1866.433333333				
	Monthly Total					
	Daily Max	7421				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**					
	Monthly Total					
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**	5404				
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 3/13/2024 9:12:49 AM

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 12/01/2023 - 12/31/2023
Form Due Date: 01/21/2024
Permit Number: 0065889

Date Received:	
DOC:	533803
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	480
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Temperature Maximum
	Units	gpd	mg/L	su	mg/L	degF
	Sample Type	TOT DAILY	24 HR FLOW PROP	GRAB	GRAB	CONTINUOUS
	Frequency	DAILY	3/WEEK	5/WEEK	5/WEEK	DAILY
Sample Results	Day 1	0				
	2	0				
	3	0				
	4	0				
	5	0				
	6	0				
	7	0				
	8	0				
	9	0				
	10	0				
	11	0				
	12	0				
	13	0				
	14	0				
	15	0				
	16	0				
	17	0				
	18	0				
	19	0				
	20	0				
	21	0				
	22	0				
	23	0				
	24	0				
	25	0				
	26	0				
	27	0				
	28	0				
	29	0				
	30	0				
	31	0				

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	211	66	377	186	480
	Description	Flow Rate	BOD5, Total	pH Field	Dissolved Oxygen	Temperature Maximum
	Units	gpd	mg/L	su	mg/L	degF
Summary Values	**Monthly Avg**	0				
	Daily Max	0				
	Daily Min	0				
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**		10			
	Daily Max		16	9		
	Daily Min			6	7	
	Weekly Avg		10			
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	789	388	388	388	1343
	Description	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total	WQT Credits Used (TP)
	Units	mg/L	mg/L	lbs/day	lbs/month	lbs/month
	Sample Type	24 HR FLOW PROP	24 HR FLOW PROP	CALCULATED	CALCULATED	CALCULATED
	Frequency	3/WEEK	WEEKLY	WEEKLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	789	388	388	388	1343
	Description	Nitrogen, Ammonia (NH3-N) Total	Phosphorus, Total	Phosphorus, Total	Phosphorus, Total	WQT Credits Used (TP)
	Units	mg/L	mg/L	lbs/day	lbs/month	lbs/month
Summary Values	**Monthly Avg**					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**	5	1			
	Daily Max	8.2				
	Daily Min					
	Weekly Avg	9.9				
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1344	457	457	457	1348
	Description	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	lbs/day	mg/L	lbs/day	lbs/month	lbs/month
	Sample Type	CALCULATED	24 HR FLOW PROP	CALCULATED	CALCULATED	CALCULATED
	Frequency	MONTHLY	WEEKLY	WEEKLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
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	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	001	001	001	001
	Description	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water	UF/RO Discharge Water
	Parameter	1344	457	457	457	1348
	Description	WQT Computed Compliance (TP)	Suspended Solids, Total	Suspended Solids, Total	Suspended Solids, Total	WQT Credits Used (TSS)
	Units	lbs/day	mg/L	lbs/day	lbs/month	lbs/month
Summary Values	**Monthly Avg**					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**	0	10			
	Daily Max		16			
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	001	106	106	106	106
	Description	UF/RO Discharge Water	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	1347	211	338	951	388
	Description	WQT Computed Compliance (TSS)	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total
	Units	lbs/day	gpd	lb/1000gal	lb/1000gal	lb/1000gal
	Sample Type	CALCULATED	TOT DAILY	GRAB	CALCULATED	GRAB
	Frequency	MONTHLY	WEEKLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	**Day 1**					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001	106	106	106	106
	Description	UF/RO Discharge Water	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product	Liquid Fertilizer Product
	Parameter	1347	211	338	951	388
	Description	WQT Computed Compliance (TSS)	Flow Rate	Nitrogen, Total	Nitrogen, Available	Phosphorus, Total
	Units	lbs/day	gpd	lb/1000gal	lb/1000gal	lb/1000gal
Summary Values	**Monthly Avg**					
	Daily Max					
	Daily Min					
	Week 1 Avg					
	Week 2 Avg					
	Week 3 Avg					
	Week 4 Avg					
Limit(s) in Effect	**Monthly Avg**	0				
	Daily Max					
	Daily Min					
	Weekly Avg					
QA/QC Information	**LOD**					
	LOQ					
	QC Exceedance					
	Lab Certification					

	Sample Point	106
	Description	Liquid Fertilizer Product
	Parameter	663
	Description	Phosphorus, Available
	Units	lb/1000gal
	Sample Type	CALCULATED
	Frequency	MONTHLY
Sample Results	**Day 1**	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	
	13	
	14	
	15	
	16	
	17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	
	29	
	30	
	31	

	Sample Point	106	
	Description	Liquid Fertilizer Product	
	Parameter	663	
	Description	Phosphorus, Available	
	Units	lb/1000gal	
Summary Values	**Monthly Avg**		
	Daily Max		
	Daily Min		
	Week 1 Avg		
	Week 2 Avg		
	Week 3 Avg		
	Week 4 Avg		
Limit(s) in Effect	**Monthly Avg**		
	Daily Max		
	Daily Min		
	Weekly Avg		
QA/QC Information	**LOD**		
	LOQ		
	QC Exceedance		
	Lab Certification		

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

No discharge occured

Laboratory Quality Control Comments

Submitted by Scott Hynds(scottdhynds) on 3/12/2024 8:39:29 PM

2024 Annual Report
Springfield Clean Water

2024 Annual Report Summary							
Month	**Days In Month**	**Avg. Discharge (gpd)**	**Adjusted Monthly Total Discharge (gal)**	**Avg. Effluent TP Conc. (mg/L)**	**Avg Effluent TSS. Conc. (mg/L)**	**Discharged TP (Lbs)**	**Discharged TSS (Lbs)**
January	31	-	-	-	-	0.0	0.0
February	28	-	-	-	-	0.0	0.0
March	31	-	-	-	-	0.0	0.0
April	30	-	-	-	-	0.0	0.0
May	31	-	-	-	-	0.0	0.0
June	30	-	-	-	-	0.0	0.0
July	31	-	-	-	-	0.0	0.0
August	31	-	-	-	-	0.0	0.0
September	30	-	-	-	-	0.0	0.0
October	31	-	-	-	-	0.0	0.0
November	30	-	-	-	-	0.0	0.0
December	31	-	-	-	-	0.0	0.0
Averages		-	-	-	-	0.0	0.0

TOTAL	-	<--Gallons	**Creidts Used (Total Discharge)**	0.000	0.000
			Credits Generated	99.0	145733.0
			Credits Remaining	99.0	145733.0

*System Did Not Discharge in 2024

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 01/01/2024 - 01/31/2024
Form Due Date: 02/21/2024
Permit Number: 0065889

Date Received:	
DOC:	537447
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 02/01/2024 - 02/29/2024
Form Due Date: 03/21/2024
Permit Number: 0065889

Date Received:	
DOC:	537448
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 03/01/2024 - 03/31/2024
Form Due Date: 04/21/2024
Permit Number: 0065889

Date Received:	
DOC:	537449
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Brenda L Howald
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 04/01/2024 - 04/30/2024
Form Due Date: 05/21/2024
Permit Number: 0065889

Date Received:	
DOC:	546409
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 05/01/2024 - 05/31/2024
Form Due Date: 06/21/2024
Permit Number: 0065889

Date Received:	
DOC:	546410
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 06/01/2024 - 06/30/2024
Form Due Date: 07/21/2024
Permit Number: 0065889

Date Received:	
DOC:	546411
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 07/01/2024 - 07/31/2024
Form Due Date: 08/21/2024
Permit Number: 0065889

Date Received:	
DOC:	551035
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 08/01/2024 - 08/31/2024
Form Due Date: 09/21/2024
Permit Number: 0065889

Date Received:	
DOC:	551036
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 09/01/2024 - 09/30/2024
Form Due Date: 10/21/2024
Permit Number: 0065889

Date Received:	
DOC:	551037
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 10/01/2024 - 10/31/2024
Form Due Date: 11/21/2024
Permit Number: 0065889

Date Received:	
DOC:	559241
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 11/01/2024 - 11/30/2024
Form Due Date: 12/21/2024
Permit Number: 0065889

Date Received:	
DOC:	559242
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: SPRINGFIELD CLEAN WATER LLC
Contact Address: □□
□□ , □□
Facility Contact: , □□
Phone Number: □□
Reporting Period: 12/01/2024 - 12/31/2024
Form Due Date: 01/21/2025
Permit Number: 0065889

Date Received:	
DOC:	559243
FIN:	56051
FID:	113421330
Region:	South Central Region
Permit Drafter:	Jennifer K Jerich
Reviewer:	Reviewer not set
Office:	Reviewer not set

Sample Point(s) active?

No - 001 sample point (UF/RO Discharge Water)
No - 106 sample point (Liquid Fertilizer Product)

APPENDIX D – NRCS TECHNICAL STANDARD 327

Natural Resources Conservation Service

CONSERVATION PRACTICE STANDARD

CONSERVATION COVER

CODE 327

(ac)

DEFINITION

Establishing and maintaining permanent vegetative cover.

PURPOSE

This practice is used to accomplish one or more of the following purposes–

- Reduce soil erosion and sedimentation
- Improve water quality
- Improve air quality
- Enhance wildlife habitat
- Improve soil quality
- Manage plant pests
- Promote habitat for native pollinators

CONDITIONS WHERE PRACTICE APPLIES

This practice applies on all lands needing permanent vegetative cover. This practice does not apply to plantings for critical area protection or forage production.

Federal, Tribal, State, and Local Laws

Users of this standard should be aware of potentially applicable federal, tribal, state and local laws, rules, regulations or permit requirements governing conservation cover. This standard does not contain the text of federal, tribal, state, or local laws.

CRITERIA

B. Criteria for Seed Mixture Development

1. It is required that at least 50 percent (seeds/ft^2) of mixtures planted to introduced or native species for wildlife habitat consist of grasses, with the exception of introduced and native pollinator habitat mixes.
2. Increase seeds per square foot by 15 percent when dormant or frost seeding occurs.
3. Refer to Table 1 for the recommended seeding rates for the most commonly used introduced grasses, legumes and native grasses. Additional approved species can be found in Wisconsin Agronomy Technical Notes 5 and 6. Use of species not listed in Wisconsin Agronomy Technical Notes 5 and 6 must be approved by the State Agronomist.
4. For solid native grass plantings, refer to Section V.E.4. of this standard.
5. Refer to Wisconsin Agronomy Technical Notes 5 and 6 for suggested monoculture seeding

NRCS reviews and periodically updates conservation practice standards. To obtain the current version of this standard, contact your Natural Resources Conservation Service State office or visit the Field Office Technical Guide online by going to the NRCS website at https://www.nrcs.usda.gov/ and type FOTG in the search field.

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recommendations, grass mixtures and seeding rate adjustments for overly aggressive species.

6. Rushes and sedges can be substituted for grasses where wet soil conditions exist. Seed mixture design requirements are the same as for grasses.
7. Native Grass, Forb and Legume Plantings
   a. Basic Prairie Plantings
      A minimum of 3 grasses seeded at a minimum total rate of 20 grass seeds per square foot, and a minimum of 3 forbs and or legumes amounting to a minimum total rate of 2.0 seeds per square foot.

   b. Restoration of Native Prairie Plantings
      A minimum of 5 grasses consisting of a minimum total rate of 15 grass seeds per square foot, and a minimum of 10 forbs and at least one legume in the mixture amounting to a minimum total rate of 8 seeds per square foot.

   c. Native Pollinator Herbaceous Plantings
      At least 1 and a maximum of 2 bunch grass species seeded at a maximum total rate of 10 seeds per square foot, and a minimum of 9 forbs and/or legumes, 3 or more from each bloom period (early, mid, late) seeded at a minimum total rate of 30 seeds per square foot.

   d. Seeding Requirements for Untested Local Genotype Seed
      i. A minimum of 5 grasses, sedges, or rushes and a minimum of 10 forbs and at least 1 legume must be seeded.
      ii. Seed will be planted at a minimum seeding rate of 50 seeds per square foot.
      iii. Limit seeding rates so that one specie does not comprise of more than 20 percent of the total seeds per square foot. When a specie exceeds 20 percent of the required 50 seeds per square foot, the excess seed will be excluded from the calculation of the required 50 seeds per square foot.
      iv. At least 25 seeds per square foot must be native grasses, sedges, or rushes and a minimum of 10 forbs and/or legume seeds per square foot must be seeded.For more details and examples of standard native grass, forb, and legume mixes, review Wisconsin Agronomy Technical Note 5.
8. Introduced Grass and Legume Plantings

   a. Wildlife Habitat Plantings
      A minimum of 2 grasses seeded at a minimum total rate of 70 grass seeds per square foot, and at least one legume seeded at a minimum total rate of 30 seeds per square foot.

   b. Introduced Pollinator Herbaceous Plantings
      At least 1 and a maximum of 2 bunch grasses seeded at a maximum total rate of 30 seeds per square foot, and a minimum of 2 legumes seeded at a minimum total rate of 40 seeds per square foot.

      For more details and examples of standard introduced grass and legume mixes, refer to Wisconsin Agronomy Technical Note 6.

C. Additional Criteria to Reduce Soil Erosion, Sedimentation, and Improve Water Quality

1. The potential for soil erosion (sheet and rill or wind) during establishment or cover enhancement activities shall be assessed using the current water or wind erosion prediction technology.
2. The appropriate sheet and rill erosion control practices necessary to achieve the planned soil loss objectives shall be included in the planting plan (i.e., Contour Farming, No Till Planting, Cover Crop).
3. Additional conservation practices, such as Grassed Waterways and Grade Stabilization Structures,

shall be planned as needed to address erosion risk identified for the site.

D. Additional Criteria for Improving Air Quality

1. To control dust in perennial crop systems such as orchards, vineyards, berries, and nursery stock, vegetation established using this standard shall provide full ground coverage in the alleyway and headlands.
2. Carbon sequestration plantings established utilizing this standard shall result in a positive CO_2 equivalent value as determined by utilizing the current approved carbon prediction technology.

E. Additional Criteria for Enhancing Wildlife Habitat

1. Grasses, forbs, shrubs, and/or legumes shall be planted in a diverse mix to promote biodiversity and meet the needs of the wildlife species targeted for management.
2. Physical disturbances during the nesting season (May 15 to August 1) or other identified use period by wildlife species in the conservation plan shall be limited to the extent practicable.
3. The long-term objectives of the land user and the needs of the wildlife species targeted for management shall be considered in planning the vegetative cover.
4. A mixture of grasses and forbs will provide the most diversity for a wide range of animals. Solid stands of native and introduced grass plantings can provide additional benefits for certain wildlife species depending on the wildlife habitat plan that is specie-specific. Single or multiple specie grass stands can provide added protection from predators, improve concealment zone characteristics, and the vegetation may be more persistent during the winter season. Planned introduced grass plantings consisting of one specie must be approved by the State Agronomist or State Biologist prior to seeding. Refer to Table 1 for recommended seeding rates.
5. Standard seed mixtures developed as a result of the Conservation Reserve Program (CRP) rules will meet the requirements of this standard when utilized to develop seed mixtures for CRP contracts. Refer to the most current Wisconsin Farm Service Agency 2-CRP handbook for CRP standard mixtures.
6. The timing and method of prescribed burning where utilized shall be planned to enhance the growth and vigor of target species and to comply with the requirements of Wisconsin NRCS Field Office Technical Guide, Section IV, (WI FOTG), Conservation Practice Standard 338, Prescribed Burning.

F. Additional Criteria to Improve Soil Quality

The Soil Conditioning Index calculated for the site shall achieve a positive value. Plantings will be established and maintained to produce high volumes of organic materials.

G. Additional Criteria to Manage Plant Pests

In perennial crop systems such as orchards, vineyards, berries, and nursery stock, permanent vegetative cover shall be established and managed to attract beneficial species which enhance integrated pest management (IPM) strategies in effect for control of target pest species.

H. Additional Criteria for Promoting Pollination

Select plants that provide the most pollen for pollinator species targeted by the management plan. See Wisconsin Biology Technical Note 8, Pollinator Biology and Habitat, for more detailed information.

I. Additional Criteria to Evaluate the Quality of Conservation Cover Established by Plant Community Succession

If native cover establishes through natural succession in an existing plant community, a certified conservation planner may evaluate the cover to determine if the cover:

- contains grass and legume/forb diversity equal or greater than NRCS recommended seed mixtures;
- meets the intended purpose and adequately addresses all identified resource concerns;
- meets the decision maker’s objective;

- meets the rules and/or requirements of the program(s) in effect on the site;
- cover consisting of plants classified as *noxious weeds* or *invasive species* as defined by Wisconsin Job Sheet 397, Maintenance on Established CRP, are managed and controlled according to Job Sheet 397 specifications; and
- cover consisting of plants classified as noxious weeds or invasive species by applicable Wisconsin state and local law, are adequately contained.

Existing cover that is determined to meet all of these criteria can be considered to meet the requirements of this standard.

If non-native cover establishes through succession of the plant community, a certified conservation planner may evaluate the site to determine if the existing cover meets the intended purpose and adequately addresses soil erosion and water quality resource concerns identified for the site using the following criteria:

- contains plant density equal to or greater than the NRCS recommended seed mixture,
- meets the intended purpose by adequately reducing the delivery of nutrients and/or sediments to the area being protected,
- meets the decision makers objective,
- converting the plant stand back to the original cover is impractical and will not enhance the performance of the practice for the intended purpose,
- meets the rules and/or requirements of the program(s) in effect on the site, and
- cover consisting of plants classified as noxious weeds or invasive species by applicable Wisconsin state and local law are being adequately contained.

Existing cover that is determined to meet all of these criteria can be considered to meet the requirements of this standard for the purpose of reducing delivery of sediment and nutrients.

CONSIDERATIONS

Additional recommendations relating to design that may enhance the use of, or avoid problems with this practice, but are not required to ensure its basic conservation functions are as follows.

1. This practice may be used to promote the conservation of wildlife species in general, including threatened and endangered species. Where wildlife is an objective, the food and cover value of the planting shall be planned to reflect the habitat needs of the wildlife species targeted for management.
2. On sites where annual or introduced cool season perennial grasses are an expected weed problem, it may be necessary to postpone or eliminate nitrogen fertilizer application until the planted species are well established.
3. Where applicable, this practice may be used to conserve and stabilize archeological and historic sites.
4. Consider rotating management and maintenance activities (e.g., mow only a portion each year) throughout the managed area to maximize cover diversity.
5. Consider establishing a native plant community that is adapted to the site conditions and which meets landowner objectives. Use native species when appropriate for the identified resource concern and management objective.
6. In perennial crop systems such as orchards, vineyards, and berries, flowering forbs and legumes may be included in the seed mixture to attract and hold natural pollinator insects.
7. Consider the use of local genotype seed when native plantings are planned in the vicinity of rare remnant prairies.
8. Due to the propagation and growth characteristics of grasses, grasses will have the tendency to pre-dominate and crowd out forbs and forb/legumes in diverse plantings. Seed counts per square

foot above recommended minimums may lead to excessive competition and poor establishment of some species. It is strongly suggested that the seed count minimums not exceed more than 25 percent of the minimum seeds per square foot for grasses.

9. Consider reseeding erosive fields in small plots, alternating strips established on the contour over a period of years, or the use of no-till planting. Use the current approved erosion prediction tools to evaluate establishment alternatives.
10. Consider testing non-certified locally harvested native grass or forb seed genotypes when establishing native plant communities.

PLANS AND SPECIFICATIONS

Prepare plans and specifications for each site or management unit according to the Criteria, Considerations, and Operations and Maintenance described in this standard.

The following elements will be addressed in the plan to meet the intended purpose:

- site preparation,
- fertilizer application (if applicable),
- seedbed preparation,
- methods of seeding/planting,
- time of seeding/planting,
- selection of species,
- type of legume inoculant used (if applicable),
- seed germination test results,
- seeding rate (adjusted based on PLS calculations),
- supplemental water for plant establishment (if applicable),
- protection of plantings (if applicable),
- weed control activities during the establishment period.

Specifications shall be recorded using Wisconsin Job Sheets 134, How to Establish and Maintain Introduced Grasses and Legumes; and 135, How to Establish and Maintain Native Grasses, Forbs and Legumes; and Job Sheet 130, Pollinator-Friendly Habitat.

OPERATION AND MAINTENANCE

Mowing or herbicide applications shall be used as necessary to control competitive weeds. Mowing should be done when introduced grasses reach 6-8 inches tall and before the weeds develop matured seed. The residue from mowing shall be uniformly distributed or removed as necessary to avoid smothering the new seedlings. Native warm season grasses should be mowed no lower than 7 inches.

If wildlife habitat enhancement is a purpose, practice maintenance activities shall not disturb cover during the nesting period (May 15 to August 1) for desired wildlife species. Exceptions shall be made to spot treat necessary weed invasions prior to them setting seed.

Maintenance measures must be adequate to control the establishment and spread of noxious weeds and other invasive species.

To benefit insect food sources for grassland nesting birds, spray or other means to control noxious weeds shall be done on a “spot basis” to protect forbs and legumes that benefit native pollinators and other wildlife.

REFERENCES

USDA, NRCS Wisconsin Field Office Technical Guide (FOTG), Section III, Conservation Management Systems.

USDA, NRCS Wisconsin Field Office Technical Guide (FOTG), Section IV, Practice Standards and Specifications.

University of Wisconsin Extension Publication A1525, Perennial Forage Crop Variety Update for Wisconsin.

USDA, NRCS Wisconsin Agronomy Technical Note 5, Establishing and Maintaining Native Grasses, Forbs and Legumes.

USDA, NRCS Wisconsin Agronomy Technical Note 6, Establishing and Maintaining Introduced Grasses and Legumes.

USDA, NRCS Wisconsin Biology Technical Note 8, Pollinator Biology and Habitat.

USDA, NRCS Wisconsin Job Sheet 130, Pollinator- Friendly Habitat.

USDA, NRCS Wisconsin Job Sheet 134, How To Establish and Maintain Introduced Grasses and Legumes.

USDA, NRCS Wisconsin Job Sheet 135, How to Establish and Maintain Native Grasses, Forbs, and Legumes.

USDA, NRCS Wisconsin Job Sheet 397, Maintenance on Established CRP.

University of Wisconsin Cooperative Extension, Invasive Plant Management in CRP Fields: http://ipcm.wisc.edu/Publications/tabid/54/Default.aspx.

USDA, Farm Service Agency, Agricultural resource Conservation Program 2-CRP Handbook, and Wisconsin Amendments.

1. Definitions

Actual Adjusted Seeding Rates (V.A.1.) – an increase in seeds per square foot or pounds per acre, when the PLS is less than 100 percent.

Certified Seed (V.A.1.) – Seed that meets the standards established by the designated official seed certifying agency for the purpose of ensuring species/variety, species/varietal purity and mechanical quality. The Wisconsin Crop Improvement Association is the official seed certifying agency for Wisconsin.

Frost Seeding (V.A.2.) – Broadcast seeding in February to mid-March during the active freezing and thaw cycle onto existing herbaceous stands or onto seedbeds prepared the previous fall.

Introduced Species (V.A.2.) – Plant species that historically would not have been found in North America until they were brought here by travelers from other parts of the world. This would include smooth bromegrass and alfalfa. Some of these species may have a wide distribution such as Kentucky bluegrass.

Invasive species (VI.F.) – Non-native species that have the ability to spread rapidly and overwhelm other plants, causing economic and environmental harm, or harm to human and animal health.

Native Species (V.A.3.) – Plants that have been identified as historically present in North America, such as big bluestem or green needle-grass.

Non-Certified Seed (V.A.1.) – Seed that is grown, processed, tested and labeled for species/variety and mechanical quality factors, but is not certified by an official seed certifying agency.

Noxious weeds (VI.F.) – A plant that has been designated by a county, state, or national agricultural authorities as one that is injurious to agricultural and horticultural crops, natural habitats, human, and or livestock if left uncontrolled. Most noxious weeds are introduced species.

Pure Live Seed (PLS) (V.A.1.) – PLS is a means of expressing seed quality, based on the percentage of seed in a seed lot that is both pure and viable. PLS is calculated by multiplying the percentage of total viable seed (germination + hard seed + dormant seed) by the percentage of pure seed divided by 100.

Untested (V.A.1.) – Seed that has no assurances of testing for species/variety and mechanical quality, i.e., species/variety purity, inert matter, other crop or weed seeds and germination potential. Untested seed legally cannot be labeled.

Table 1 Common Species and Recommended Seeding Rates

Common Name	**Scientific Name**	**Moisture Regime**	**Single Species Seeding Rate (PLS)**		
Introduced Grasses			**Lbs./Ac.**	**Seeds/Lb.**	**Seeds/Ft^2/Lb./Ac.**
Italian or Annual Ryegrass	Lolium perenne L. ssp. multiflorum	DM, M, WM	20	227,000	5.2
Kentucky Bluegrass	Poa pratensis	D, DM, M, WM, W	8	2,177,000	50
Orchard Grass	Dactylis glomerata L.	D, DM, M, WM	10	653,000	15
Perennial Ryegrass	Lolium perenne	DM, M, WM	20	227,000	5.2
Redtop*	Agrostis gigantea	M, WM, W	4	4,990,000	114.5
Smooth Bromegrass*	Bromus inermis	D, DM, M, WM	20	136,000	3.1
Tall Fescue*	Schedonorus arundinaceus	D, DM, M, WM	12	227,000	5.2
Timothy	Phleum pratense	DM, M, WM, W	8	1,230,000	28.2
Native Grasses			**Lbs./Ac.**	**Seeds/Lb.**	**Seeds/Ft^2/Lb./Ac.**
Big Bluestem*	Andropogon gerardii	D, DM, M, WM	11	165,000	3.8
Canada Wild Rye	Elymus canadensis	DM, M, WM	12	83,200	1.9
Fowl Managrass*	Glyceria striata	WM, W	0.5	2,560,000	58.7
Indian Grass*	Sorghastrum nutans	D, DM, M, WM, W	10	192,000	4.4
Little Bluestem	Schizachyrium scoparium	D, DM, M	8	240,000	5.5
Prairie Cordgrass	Spartina pectinata	M, WM, W	8	105,600	2.4

Common Name	Scientific Name	Moisture Regime	Single Species Seeding Rate (PLS)		
Prairie Dropseed	Sporobolus heterolepis	D, DM, M	3	256,000	5.9
Prairie June Grass	Koeleria macrantha	D, DM, M	0.5	2,308,672	53
Sideoats Grama	Bouteloua curtipendula	D, DM, M	8	127,000	2.9
Switchgrass*	Panicum virgatum	D, DM, M, WM, W	7	389,000	8.9
Virginia Wild Rye	Elymus virginicus	M,WM, W	17	67,200	1.5
Legumes			**Lbs./Ac.**	**Seeds/Lb.**	**Seeds/Ft^2/Lb./Ac.**
Alfalfa	Medicago sativa	D, DM, M	12	219,000	5.0
Alsike Clover	Trifolium hybridum	M, WM, W	3	680,000	15.6
Birdsfoot Trefoil	Lotus corniculatus	DM, M, WM, W	7	375,000	8.6
Red Clover	Trifolium pratense	DM, M, WM	10	275,000	6.3
White Ladino Clover	Trifolium repens	DM, M, WM	3	871,650	20
Rush			**Oz./Ac.**	**Seeds/Oz.**	**Seeds/Ft.^{2}/Oz./Ac.**
Wool Grass	Scirpus cyperinus	W	1.5	1,700,000	39

Species with an asterisk can be seeded individually at the recommended pure stand rates based on Pure Live Seeds (PLS). Planned introduced single specie grass plantings require prior approval from the State Agronomist or State Biologist (V.E.4.)

Seeds per square foot for a particular specie can be calculated by multiplying the number of seeds per pound of specie by the rate of the specie in pound(s) per acre divided by 43,560 square feet.

Species not listed in the above table can be used when developing custom mixtures.

Table 2 Sample Seed Mix for Basic Dry Mesic Prairie (Seed Calculator Code 327-2*)

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Purple Prairie Clover	Dalea purpurea	2.00	0.9
Bergamot	Monarda fistulosa	1.00	1.8
Yellow Cone Flower	Ratibida pinnata	1.00	0.6
Big Bluestem	Andropogon gerardii	8.00	1.9
Little Bluestem	Schizachyrium scoparium	24.00	8.3
Indian Grass	Sorghastrum nutans	16.00	4.4
Switchgrass	Panicum virgatum	8.00	4.5
Sideoats Grama	Bouteloua curtipendula	16.00	2.9

*These codes represent the mixtures used in the Wisconsin Seed Calculator.

Table 3 Sample Seed Mix for Basic Mesic Prairie (Seed Calculator Code 327-3*)

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Yellow Cone Flower	Ratibida pinnata	1.00	0.6
Black-Eyed Susan	Rudbeckia hirta	1.00	2.2
Bergamot	Monarda fistulosa	1.00	1.8
Big Bluestem	Andropogon gerardii	16.00	3.8
Switchgrass	Panicum virgatum	8.00	4.5
Little Bluestem	Schizachyrium scoparium	20.00	6.9
Indian Grass	Sorghastrum nutans	16.00	4.4
Canada Wild Rye	Elymus canadensis	16.00	1.9
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 4 Sample Seed Mix for Basic Wet Mesic Prairie (Seed Calculator Code 327-4*)

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Bergamot	Monarda fistulosa	1.00	1.8
Yellow Cone Flower	Ratibida pinnata	1.00	0.6
New England Aster	Symphyotrichum novae-angliae	1.00	1.6
Switchgrass	Panicum virgatum	16.00	8.9
Prairie Cordgrass	Spartina pectinata	8.00	1.2
Big Bluestem	Andropogon gerardii	24.00	5.8
Virginia Wild Rye	Elymus virginicus	16.00	1.5
Indian Grass	Sorghastrum nutans	16.00	4.4
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 5 Sample Seed Mix for Dry Mesic Prairie Restoration (Seed Calculator Code 327-7*)

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Prairie Cinquefoil	Potentilla arguta	0.25	1.1
Leadplant	Amorpha canescens	1.00	0.4
Silky Aster	Symphyotrichum sericeum	1.00	1.3
Purple Prairie Clover	Dalea purpurea	3.00	1.4
Rough Blazing Star	Liatris aspera	0.50	0.2
Roundheaded Bushclover	Lespedeza capitata	3.00	0.8
Bergamot	Monarda fistulosa	1.00	1.8
Yellow Cone Flower	Ratibida pinnata	1.00	0.6
Stiff Goldenrod	Oligoneuron rigidum	1.00	1.1
Spiderwort	Tradescantia ohiensis	1.00	0.2
Little Bluestem	Schizachyrium scoparium	24.00	8.3
Indian Grass	Sorghastrum nutans	8.00	2.2
Prairie June Grass	Koeleria macrantha	2.00	6.6

Common Name	**Scientific Name**	**PLS Oz/Ac**	**Seeds/Square Foot**
Prairie Dropseed	Sporobolus heterolepis	2.00	0.7
Switchgrass	Panicum virgatum	4.00	2.2
Sideoats Grama	Bouteloua curtipendula	24.00	4.4
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 6 Sample Seed Mix for Mesic Native Prairie Restoration (Seed Calculator Code 327-8*)

Common Name	**Scientific Name**	**PLS Oz/Ac**	**Seeds/Square Foot**
Yellow Cone Flower	Ratibida pinnata	0.50	0.3
Black-Eyed Susan	Rudbeckia hirta	0.50	1.1
Sky Blue Aster	Symphyotrichum oolentangiense	0.50	0.9
Ox-Eye Sunflower	Heliopsis helianthoides	1.00	0.1
Bergamot	Monarda fistulosa	0.50	0.9
Culvers Root	Veronicastrum virginicum	0.25	4.3
Purple Prairie Clover	Dalea purpurea	1.00	0.5
Rosinweed	Silphium integrifolium	1.00	0.1
Prairie Blazing Star	Liatris pycnostachya	1.00	0.3
New England Aster	Symphyotrichum novae-angliae	0.50	0.8
Big Bluestem	Andropogon gerardii	16.00	3.8
Switchgrass	Panicum virgatum	8.00	4.5
Little Bluestem	Schizachyrium scoparium	24.00	8.3
Canada Wild Rye	Elymus canadensis	8.00	1.0
Indian Grass	Sorghastrum nutans	16.00	4.4
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 7 Sample Seed Mix for Wet Mesic Prairie Restoration (Seed Calculator Code 327-9*)

Common Name	**Scientific Name**	**PLS Oz/Ac**	**Seeds/Square Foot**
Black-Eyed Susan	Rudbeckia hirta	1.00	2.2
Bergamot	Monarda fistulosa	1.00	1.8
Yellow Cone Flower	Ratibida pinnata	1.00	0.6
Prairie Blazing Star	Liatris pycnostachya	1.00	0.4
Common Ironweed	Vernonia fasciculata	1.00	0.5
Cupplant	Silphium perfoliatum	4.00	0.1
Golden Alexanders	Zizia aurea	1.00	0.3
Great St. John's Wort	Hypericum ascyron	0.25	1.1
White Wild Indigo	Baptisia alba	1.50	0.1
New England Aster	Symphyotrichum novae-angliae	1.00	1.6
Switchgrass	Panicum virgatum	16.00	8.9
Prairie Cordgrass	Spartina pectinata	4.00	0.6

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Big Bluestem	Andropogon gerardii	20.00	4.8
Canada Wild Rye	Elymus canadensis	16.00	1.9
Indian Grass	Sorghastrum nutans	12.00	3.4
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 8 Sample Seed Mix for Native Pollinator Seeding for Dry Mesic Sites (Seed Calculator Code 327-12*)

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Little Bluestem	Schizachyrium scoparium	16	5.5
Sideoats Grama	Bouteloua curtipendula	16	2.9
Illinois Tick Trefoil	Desmodium illinoense	5	0.5
Spiderwort	Tradescantia ohiensis	5	0.9
Purple Prairie Clover	Dalea purpurea	6	2.7
Yellow Coneflower	Ratibida pinnata	1	0.6
Prairie Blazing Star	Liatris pycnostachya	3	0.8
Rattlesnake Master	Eryngium yuccifolium	6	1.1
Showy Goldenrod	Solidago speciosa	4	8.7
Stiff Goldenrod	Oligoneuron rigidum	3	3.2
Smooth Blue Aster	Symphyotricum laeve	2	2.2
Prairie Cinquefoil	Potentilla arguta	2	9.2
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 9 Sample Seed Mix for Native Pollinator Seeding for Mesic Sites (Seed Calculator Code 327-13*)

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Little Bluestem	Schizachyrium scoparium	16	5.5
Sideoats Grama	Bouteloua curtipendula	16	2.9
Foxglove Beardtongue	Penstemon digitalis	4	10.6
Spiderwort	Tradescantia ohiensis	6	1.1
Golden Alexanders	Zizia aurea	6	1.5
Yellow Coneflower	Ratibida pinnata	1	0.6
Purple Prairie Clover	Dalea purpurea	6	2.7
Prairie Blazing Star	Liatris pycnostachya	4	1.1
Rattlesnake Master	Eryngium yuccifolium	6	1.1
New England Aster	Symphyotrichum novae-angliae	3	4.8
Stiff Goldenrod	Oligoneuron rigidum	3	3.2
Smooth Blue Aster	Symphyotrichum laeve	3	3.3
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 10 Sample Seed Mix for Native Pollinator Seeding for Wet Mesic Sites (Seed Calculator Code 327-14*)

Common Name	Scientific Name	PLS Oz/Ac	Seeds/Square Foot
Big Bluestem	Andropogon gerardii	16	3.8
Indiangrass	Sorghastrum nutans	16	4.4
Foxglove Beardtongue	Penstemon digitalis	4	10.6
Spiderwort	Tradescantia ohiensis	6	1.1
Golden Alexanders	Zizia aurea	5	1.3
Yellow Coneflower	Ratibida pinnata	1	0.6
Prairie Blazing Star	Liatris pycnostachya	3	0.8
Rattlesnake Master	Eryngium yuccifolium	6	1.1
New England Aster	Symphyotrichum novae-angliae	3	4.8
Blue Vervain	Verbena hastata	4	8.5
Common Ironweed	Vernonia fasciculata	3	1.4
Cupplant	Silphium perfoliatum	3	0.1
*These codes represent the mixtures used in the Wisconsin Seed Calculator.			

Table 11 Solid Native Grass Plantings

Seed Calculator Code	Common Name	Scientific Name	Pounds PLS per Acre	Seeds per Square Foot	Moisture Regime
327-15A	Switchgrass	Panicum virgatum	7.0	63	DM-WM
327-15B	Big Bluestem	Andropogon gerardii	11.0	42	
327-15C	Indiangrass	Sorghastrum nutans	10.0	44	

Table 12 Wildlife Habitat Mixes

Seed Calculator Code*	Mixtures	Pounds PLS per Acre	Seeds per Square Foot	Moisture Regime
327-16A	Timothy	2.5	71	DM, M
	Smooth Bromegrass	3.0	9	
	Alfalfa	6.0	30	
327-16B	Timothy	2.0	56	M, WM, W
	Orchardgrass	2.0	30	
	Red Clover	5.0	32	
327-16C	Timothy	2.0	56	DM, M
	Orchardgrass	2.0	30	
	Alfalfa	6.0	30	
327-16D	Timothy	2.5	71	M, WM
	Smooth Bromegrass	3.0	9	
	Red Clover	5.0	32	

Seed Calculator Code*	Mixtures	Pounds PLS per Acre	Seeds per Square Foot	Moisture Regime
327-16E	Timothy	2.0	56	M, WM
	Smooth Bromegrass	2.0	6	
	Orchardgrass	1.0	15	
	Red Clover	5.0	32	
	White Ladino Clover	0.5	10	
324-16F	Timothy	2.0	56	M, WM
	Orchardgrass	2.0	30	
	Red Clover	5.0	32	
	White Ladino Clover	0.5	10	
327-16G	Timothy	2.0	56	DM, M, WM
	Orchardgrass	2.0	30	
	Birdsfoot Trefoil	4.0	34	
327-16H	Tall Fescue	3.0	16	M, WM
	Red Clover	4.0	25	
	White Ladino Clover	1.0	20	
	Timothy	2.0	56	
*These codes represent the mixtures used in the Wisconsin Seed Calculator				

Table 13 Introduced Pollinator Habitat Mixes

Seed Calculator Code*	Mixtures	Pounds PLS per Acre	Seeds per Square Foot	Moisture Regime
327-17A	Timothy	0.5	14	DM, M
	Orchardgrass	1.0	15	
	Alfalfa	4.0	20	
	White Ladino Clover	1.5	30	
327-17B	Tall Fescue	3.0	16	WM, W
	Perennial Ryegrass	3.0	16	
	Red Clover	4.0	25	
	Alsike Clover	1.5	25	
*These codes represent the mixtures used in the Wisconsin Seed Calculator.				



Table 14 Seeding Date/Ranges for Native Mixtures and Companion Crops

Zone	Spring Seeding	Fall Dormant Seeding
North	Thaw - 7/15	10/8 - Freeze Up
Central	Thaw - 6/30	10/15 - Freeze Up
South	Thaw - 6/30	10/20 - Freeze Up

Table 15 Seeding Date/Ranges for Introduced Grasses and Legumes and Companion Crops

Planting Zone	Spring	Late Summer	Dormant
North	5/1 - 6/15	7/15 - 8/10	11/1 - Freeze up
Central	4/15 - 6/1	8/1 - 8/21	11/1 - Freeze up
South	4/1 - 5/15	8/7 - 8/29	11/1 - Freeze up

APPENDIX E – P-TRADING AND SEDIMENT TRADING REPORT

WQ1: P Trade Report

PRE-GRASSLAND

Reported For	Betley Farms Group: WQT
Printed	2025-01-09
Plan Completion/Update Date	2011-03-28
SnapPlus Version 20.4 built on 2021-06-03	
C:\SnapPlus2\MySnapPlusData\Betley Farms Carbon Trading V6.snapDb	

Prepared for:
Betley Farms
attn:Jeff Betley
W1630 Redwood Drive
Pulaski, 54162

WPDES Permitted Farm

The P Trade Report estimates the annual pounds of phosphorus (P) in surface runoff from cropland entering surface waters. These P loss calculations are based on a field's soil test P concentration, crops, tillage, nutrient management practices and estimates of average runoff and sheet and rill erosion for the predominant soil type. Losses from concentrated flow channel or gully erosion with a field are not included in these calculations. Field runoff losses are calculated for each year as **PTP** (lb P/field/yr). Fields are only included if there are at least 2 years of crops before the selected start year. Before using this report as part of a Water Quality Trade activity, phosphorus losses (PTP) must be converted into 'P credits' according to DNR guidance.

For more information go to **http://dnr.wi.gov/** and type keyword: **Water Quality Trading**

Questions? Please contact DNRphosphorus@wisconsin.gov

This report was developed for Wisconsin DNR Water Quality Trading and Adaptive Management purposes and cannot be used to demonstrate compliance with NR 151 or NRCS 590 NM plan requirements.

P Trade Report				PTP									
Field Name	Soil Series	Soil Symbol	Acres	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1-17	SOLONA	SoA	10	40	14	29	37	38	29	19	15	24	34
Total			**10**	**40**	**14**	**29**	**37**	**38**	**29**	**19**	**15**	**24**	**34**

WQ2: Sediment Trade Report

PRE-GRASSLAND

Reported For	Betley Farms Group: WQT
Printed	2025-01-09
Plan Completion/Update Date	2011-03-28
SnapPlus Version 20.4 built on 2021-06-03	
C:\SnapPlus2\MySnapPlusData\Betley Farms Carbon Trading V6.snapDb	

Prepared for:
Betley Farms
attn:Jeff Betley
W1630 Redwood Drive
Pulaski, 54162

WPDES Permitted Farm

The Sediment Trade Report estimates the annual tons of sediment in surface runoff from cropland entering surface waters. These sediment delivery calculations are based on RUSLE2 estimates of sheet and rill erosion for the predominant soil. Sediment losses from concentrated flow channel or gully erosion within a field are not included in these calculations. Field sediment yields are calculated for each year as US tons/field/year. Fields are only included if there at least 2 years of crops before the selected start year. Before using this report as part of a Water Quality Trade activity, sediment losses must be converted into 'credits' according to DNR guidance.

For more information go to **http://dnr.wi.gov** and type keyword: **Water Quality Trading**

Questions? Please contact DNRphosphorus@wisconsin.gov

This report was developed for Wisconsin DNR Water Quality Trading and Adaptive Management purposes and cannot be used to demonstrate compliance with NR 151 or NRCS 590 NM plan requirements.

Sediment Trading

Field Name	Soil Series	Soil Symbol	Acres	Sediment (US Tons)						
				2022	2023	2024	2025	2026	2027	2028
1-17	SOLONA	SoA	10	0.4	0.1	0.4	0.7	0.7	0.6	0.3
Total				0.4	0.1	0.4	0.7	0.7	0.6	0.3

PRE-GRASSLAND

Sediment (US Tons)		
2029	2030	2031
0.2	0.4	0.7
0.2	0.4	0.7

WQ1: P Trade Report

POST-GRASSLAND

Reported For	Betley Farms Group: WQT
Printed	2025-01-09
Plan Completion/Update Date	2011-03-28
SnapPlus Version 20.4 built on 2021-06-03	
C:\SnapPlus2\MySnapPlusData\Betley Farms Carbon Trading V6 - Grassland.snapDb	

Prepared for:
Betley Farms
attn:Jeff Betley
W1630 Redwood Drive
Pulaski, 54162

WPDES Permitted Farm

The P Trade Report estimates the annual pounds of phosphorus (P) in surface runoff from cropland entering surface waters. These P loss calculations are based on a field's soil test P concentration, crops, tillage, nutrient management practices and estimates of average runoff and sheet and rill erosion for the predominant soil type. Losses from concentrated flow channel or gully erosion with a field are not included in these calculations. Field runoff losses are calculated for each year as **PTP** (lb P/field/yr). Fields are only included if there are at least 2 years of crops before the selected start year. Before using this report as part of a Water Quality Trade activity, phosphorus losses (PTP) must be converted into 'P credits' according to DNR guidance.

For more information go to **http://dnr.wi.gov/** and type keyword: **Water Quality Trading**

Questions? Please contact DNRphosphorus@wisconsin.gov

This report was developed for Wisconsin DNR Water Quality Trading and Adaptive Management purposes and cannot be used to demonstrate compliance with NR 151 or NRCS 590 NM plan requirements.

P Trade Report				PTP									
Field Name	Soil Series	Soil Symbol	Acres	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1-17	SOLONA	SoA	10	40	14	23	8	7	7	7	6	6	6
Total			**10**	**40**	**14**	**23**	**8**	**7**	**7**	**7**	**6**	**6**	**6**

WQ2: Sediment Trade Report

POST-GRASSLAND

Reported For	Betley Farms Group: WQT
Printed	2025-01-09
Plan Completion/Update Date	2011-03-28
SnapPlus Version 20.4 built on 2021-06-03	
C:\SnapPlus2\MySnapPlusData\Betley Farms Carbon Trading V6 - Grassland.snapDb	

Prepared for:
Betley Farms
attn:Jeff Betley
W1630 Redwood Drive
Pulaski, 54162

WPDES Permitted Farm

The Sediment Trade Report estimates the annual tons of sediment in surface runoff from cropland entering surface waters. These sediment delivery calculations are based on RUSLE2 estimates of sheet and rill erosion for the predominant soil. Sediment losses from concentrated flow channel or gully erosion within a field are not included in these calculations. Field sediment yields are calculated for each year as US tons/field/year. Fields are only included if there at least 2 years of crops before the selected start year. Before using this report as part of a Water Quality Trade activity, sediment losses must be converted into 'credits' according to DNR guidance.

For more information go to **http://dnr.wi.gov** and type keyword: **Water Quality Trading**

Questions? Please contact DNRphosphorus@wisconsin.gov

This report was developed for Wisconsin DNR Water Quality Trading and Adaptive Management purposes and cannot be used to demonstrate compliance with NR 151 or NRCS 590 NM plan requirements.

Sediment Trading

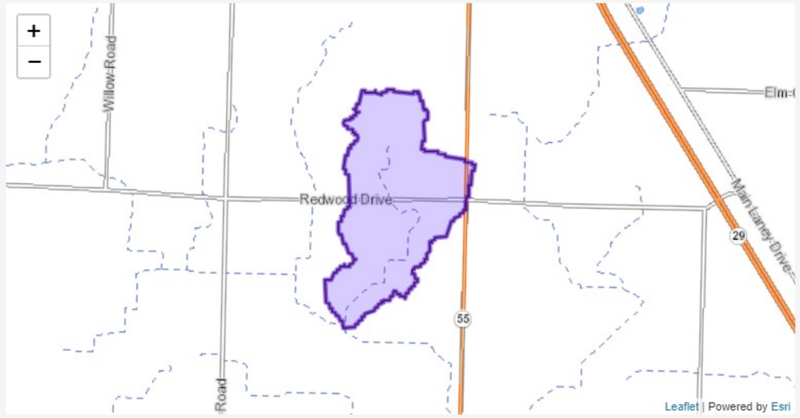
Field Name	Soil Series	Soil Symbol	Acres	Sediment (US Tons)						
				2022	2023	2024	2025	2026	2027	2028
1-17	SOLONA	SoA	10	0.4	0.1	0.3	0.0	0.0	0.0	0.0
Total				0.4	0.1	0.3	0.0	0.0	0.0	0.0

POST-GRASSLAND

Sediment (US Tons)		
2029	2030	2031
0.0	0.0	0.0
0.0	0.0	0.0

APPENDIX F – PRESTO REPORT

Select waterbody



Local watershed (HYDRO ID)
Cumulative upstream watershed

Search:

Reach information

Waterbody name: Unnamed
Waterbody type: Stream
Natural Community: Macroinvertebrate
Watershed size (sq mi; sq km): 0.34; 0.88
HYDROID: 200117373
HUC12: 040302020805
HUC12 Name: Upper Black Creek
HUC6 Name: Fox
High-Quality Water: No
Ecoregion: North Central Hardwood Forests
Sinuosity (m/m): 1.4
Minimum elevation (ft; m): 871.2; 265.5
Maximum elevation (ft; m): 889.9; 271.2
Average gradient (%): 0.33199
Stream order: 1
Dam directly above: Not Present
Drainage: Not internally drained

Download Watershed Shapefile
Download Raw Data

What Is Presto?

The Pollutant Load Ratio Estimation Tool (PRESTO) is a statewide GIS-based tool that compares the average annual phosphorus loads originating from point and nonpoint sources within a watershed. The comparison provides a screening tool for industrial and municipal dischargers to determine one of the conditions of eligibility for adaptive management as part of s. NR 217.18, Wisconsin Administrative Code.

PRESTO was designed to be easily modified, transparent to the end user and provide a consistent result based on readily available datasets. PRESTO performs three basic functions: watershed delineation, nonpoint source loading estimation and point source loading aggregation. The PRESTO outputs include a delineated watershed, watershed land cover composition, the estimated average annual nonpoint source and measured point source phosphorus loads (pounds per year), and the ratio of point to nonpoint phosphorus at a watershed outlet.

Presto Phosphorus Load Estimates

Avg. Annual Nonpoint Phosphorous Load (80% Confidence Interval)	4,616 (2,165 - 9,842) lbs
Number of Facilities (Individual Facility Information below)	0
Avg. Annual Point-source Phosphorous Load (2010 - 2012 total of all facilities)	0 lbs
Most Likely Point : Nonpoint Phosphorous Ratio	0% : 100%
Low Estimate Point : Nonpoint Phosphorous Ratio (Adaptive Management)	0% : 100%

Adaptive Management Results

Facilities discharging to the Unnamed watershed:

Show 10 entries Search:

Facility Name	Permit No.	Outfall No.	Waste Type	Receiving Water	Annual load (lbs), 2010-2012
No data available in table					

Showing 0 to 0 of 0 entries Previous Next

Watershed Analysis Limitations

This analysis relies on pre-defined catchments from the Wisconsin Hydrography Data-Plus and may not delineate from the exact location required. When assessing phosphorus loads for specific facility in support of efforts such as adaptive management, care should be taken to ensure that additional downstream point sources do not exist. For adaptive management information related to specific facilities, please reference the PRESTO website: http://dnr.wi.gov/topic/surfacewater/presto.html.

Delineation of watersheds is based on a topographic assessment and therefore do not account for modified drainage networks such as stormwater sewer systems and ditched agriculture.

If a watershed requires delineation from an exact location, the user may use the desktop version of PRESTO that requires ESRI ArcGIS. The PRESTO tool and default datasets can be downloaded at http://dnr.wi.gov/topic/surfacewater/presto.html.

Data sources for this report originate from the DNR's Wisconsin Hydrography Data-Plus value-added dataset and the point and nonpoint source loading information including in the DNR's PRESTO model.

If you have questions about the report generated from the PRESTO-Lite application please contact: dnrwaterqualitymodeling@wisconsin.gov


BURNS McDONNELL