



**Department of Environmental Services**  
*Monroe County, New York*

**Adam J. Bello**  
*County Executive*

**Michael J. Garland, P.E.**  
*Director*

July 23, 2021

Mr. Chris Biederman  
Chief Technical Officer  
Li-Cycle North America Hub, Inc.  
100 Latona Road, Bldg. 350  
Rochester, NY 14606

**Subject: Monroe County Pure Waters (MCPW) Sanitary Sewer Services to Li-Cycle Commercial Hub – 50 and 205 McLaughlin Road, Town of Greece, NY**

Dear Mr. Biederman,

Monroe County Pure Waters (MCPW) understands that Li-Cycle North America Hub, Inc. (Li-Cycle) is in the process of developing the plans for its Commercial Hub facility to be located on Lot AR-3A2 L356 P62 and Lot AR-3A1- L356 P62 both owned by Ridgeway Properties, LLC and located on the former Kodak Park South (KPS) site and has engaged with the Town of Greece (the Town) regarding site planning activities. MCPW understands it will accept only domestic flows from the facilities with any potential industrial discharges being collected and treated by the private industrial sewer owned and operated by Red Rochester LLC.

One of the planning elements discussed with MCPW has been the ability and availability of sanitary sewer services needed by Li-Cycle at the planned Hub Operations.

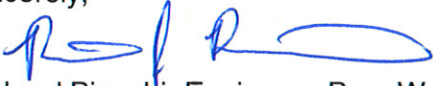
As the project unfolds and site plans are provided to MCPW for review, comment and approval, please be advised that MCPW has determined the issue regarding sewer capacity. Please note, there are potential points of connection to the sanitary sewer system under the County's control within close proximity to the Li-Cycle Hub facilities. MCPW has determined projected domestic flows from the proposed facilities, indicated by Li-Cycle as 2,720 GPD from the Administration/Warehouse and 1,044 GPD from the Hub Site are acceptable to the District with regard to capacity. MCPW sewers adjacent to the proposed facilities as well as the Frank E. Van Lare Sewage Treatment Plant has adequate capacity to serve the project provided:

1. The sewerage conforms to the most current edition of the "Requirements for Privately Constructed sewers in the Rochester Pure Waters District".
2. The sewage discharge conforms to the Monroe County Sewer Use Law.

In the event that the Commercial Hub operations change over time, Monroe County Pure Waters will need to review any such changes to verify that such sanitary sewer services required by Li-Cycle for its Hub operations are still within the scope of Monroe County Pure Waters' capabilities.

If you have any questions concerning this letter of support, please call my office at (585) 753-7614.

Sincerely,



Richard Bianchi, Engineer - Pure Waters  
MCDES - Division of Pure Waters  
Office of Development Review

xc: *Darren Dachelet, Eng., Li-Cycle North American Hub  
file*



**RED-Rochester, LLC**

[www.recycled-energy.com](http://www.recycled-energy.com)

1200 Ridgeway, Suite 2121

Rochester, NY 14615

phone 585 327 2050

fax 585 327 2051

July 28, 2021

Mr. Chris Biederman  
Chief Technical Officer  
Li-Cycle North America Hub, Inc.  
100 Latona Road, Bldg 350  
Rochester, New York 14606

Subject: RED-Rochester, LLC Utility Services to Li-Cycle's Commercial Hub  
50 McLaughlin Drive, Rochester (Town of Greece), New York

Dear Mr. Biederman:

RED-Rochester, LLC ("RED") is pleased to support the development of Li-Cycle North America Hub, Inc.'s (Li-Cycle's) Commercial Hub No. 1, to be constructed on two parcels of land owned by Ridgeway Properties 1, LLC and located at 50 McLaughlin Drive, Town of Greece, New York.

Based on recent discussions and email correspondence between Li-Cycle and RED representatives, RED understands that the Li-Cycle Commercial Hub No. 1 will require the utility loads per the attached table with the utility supplies to be provided by RED. RED confirms that the utility loads presented in the attached table can be readily provided to Li-Cycle with RED Utilities' existing infrastructure located at the Eastman Business Park (EBP).

RED estimates that its natural gas usage will increase 15-25% annually to support Li-Cycle's utilities needs; however, the increase in natural gas consumption will not result in annual air emissions to significantly increase such that RED's Major Source (Title V) Air Operating Permit would require any modifications to accommodate Li-Cycle's utility needs.

RED-Rochester, LLC appreciates the opportunity to support the development of Li-Cycle's Commercial Hub No.1, and the positive economic impacts that this capital project brings to the Town of Greece and Greater Rochester area.

If you have questions concerning this correspondence, please contact me by telephone at (585) 327-2059, or via email at [bnee@recycled-energy.com](mailto:bnee@recycled-energy.com).

Sincerely,

Bernard M. Nee, Jr.  
Chief Technical Officer  
Red-Rochester, LLC

**Li-Cycle North America Hub, Inc.  
 Table of Utility Loads**

UTILITIES			TREND
<b>ELECTRIC POWER</b>			UP
HUB Total Connected	HP	32,706	
	kW	24,389	
HUB Running	HP	25,285	
	kW	18,855	
Warehouse Total Connected*	kW	1,650	
Warehouse Running*	kW	1,155	
<b>STEAM</b>			UP
Total Steam			
Operating	lb/hr	33,800	
Annual Average	lb/hr	28,730	
Total Condensate Return			
Operating	lb/hr	1,570	
Annual Average	lb/hr	1,340	
<b>CHILLED WATER</b>			UP
Total Chilled Water			
Operating	gpm	4,500	
Annual Average	gpm	3,830	
<b>COMPRESSED AIR</b>			STABLE
Total Compressed Air – Average	scfm	3,000	
Total Compressed Air - Peak	scfm	3,900	
<b>POTABLE WATER</b>			
Warehouse – Average	gpd	2,720	
Warehouse – Peak	gpm	8	
HUB – Average	gpd	1,044	
HUB - Peak	gpm	40**	
<b>FIRE WATER</b>			STABLE
HUB Total Coverage	sq ft	250,000	
Warehouse/Admin/Visitor Bldg Total Coverage	sq ft	313,000	
<b>TREATED WATER (RO/DEMIN)</b>			DOWN
Total Treated Water			
Operating	tonne/hr	Very Minimum Flow. Make-up only.	
Annual Average	tonne/hr		

\* Largest motor projected to be 50 HP

\*\*Instantaneous flow for ~15 minutes based on safety shower activation.



# RIDGE ROAD FIRE DISTRICT

*From the Desk of The Fire Chief*

August 4, 2021

Mr. Chris Biederman, P. Eng.  
Chief Technical Officer  
Li-Cycle North America Hub, Inc.  
100 Latona Road, Bldg 350  
Rochester, New York 14652-0001

Subject: Ridge Road Fire & Emergency Response Services in Support of the Li-Cycle  
Commercial Hub Operations at the 40 & 205 McLaughlin Road, town of Greece, NY

Dear Mr. Biederman:

The Town of Greece understands that Li-Cycle North America Hub, Inc. (Li-Cycle) is in the process of developing the plans for its Commercial Hub facility to be located on property at 50 & 205 McLaughlin Road, in the Town of Greece, New York and has engaged with the Town of Greece (the Town) regarding site planning activities.

One of the planning elements discussed with the Town has been the ability and availability of fire protection and emergency response services needed by Li-Cycle in the unlikely event of the need for such services at the planned Hub Operations.

As the project unfolds and site plans are provided to the Town for review, comment and approval, please know that the Ridge Road Fire District is able to provide such fire protection and emergency response services to the Li-Cycle Hub facilities within the constraints of the Fire District's current assets and capabilities.

The Ridge Road Fire District reserves the right to request related training and equipment to better prepare ourselves to handle unique incidents that could arise from your operations.

In the event that the Commercial Hub operations change over time, the Fire District will need to review any such changes to verify that such fire protection and emergency response services required by Li-Cycle for its Hub operations are still within the scope of the Town's capabilities.

We look forward to the development of Li-Cycle's Commercial hub facility and the benefits that the facility will bring to the Town of Greece.

If you have any questions concerning this letter of support, please call my office at (585) 453-1201

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Johnson', with a stylized flourish at the end.

Steven Johnson, Chief  
Ridge Road Fire District



August 4, 2021

Mr. Chris Biederman, P. Eng.  
Chief Technology Officer  
Li-Cycle North America Hub, Inc.  
100 Latona Road, Building 350  
Rochester, New York 14652-0001

RE: Rail Service Support for the Li-Cycle Commercial Hub No. 1;  
205 McLaughlin Road, Town of Greece, New York

Dear Mr. Biederman:

This letter serves to advise your company, Li-Cycle North America Hub, Inc. (“Li-Cycle”) and the Town of Greece that Kodak Realty, Inc. (“Kodak Realty/Railroad Services”), upon negotiation and execution of an agreement between Kodak Realty/Railroad Services and Li-Cycle, will agree to provide railcar switching services to Li-Cycle for inbound and outbound railcar switching and transfer services to and from the planned Commercial Hub No. 1 (“Hub No. 1”) to be located at 205 McLaughlin Road, Town of Greece, New York.

For more than 100 years, Kodak Realty/Railroad Services and its various predecessors-in-interest have offered and provided an assortment of railroad services to a variety of manufacturing buildings, process areas and businesses using its network of continuous track and both inbound and outbound accumulation yards within Eastman Business Park.

Kodak Realty/Railroad Services’ operation is fully-staffed and operational during customary business hours with both delivery and storage capacity available to parties needing such services. Kodak Realty/Railroad Services’ personnel are trained in railroad management, maintenance and able to handle hazardous and non-hazardous rail car shipments.

As the Li-Cycle project unfolds and your plans, products, and services related to rail car service needs are finalized, Kodak Realty/Railroad Services looks forward to establishing a mutually successful working relationship with you and the Li-Cycle team.

We look forward to the development of Li-Cycle’s Commercial Hub No.1 and the economic and community benefits that the facility will bring to the Town of Greece and the Greater Rochester area.

Very truly yours,

**KODAK REALTY, INC./RAILROAD SERVICES**

Arline M. Liberti, Vice President,  
Corporate Real Estate



November 2, 2021

Mr. Chris Biederman  
Chief Technical Officer  
Li-Cycle North America Hub, Inc.  
100 Latona Road, Bldg 350  
Rochester, New York 14606

Subject: RED-Rochester, LLC Approval of Li-Cycle's Hub 1 Effluent Discharge

Dear Mr. Biederman:

RED-Rochester, LLC (RED) is pleased to support the development of Li-Cycle North America Hub, Inc.'s (Li-Cycle) Commercial Hub No. 1, to be constructed on two parcels of land owned by Ridgeway Properties 1, LLC and located at 50 McLaughlin Drive, Town of Greece, New York.

Based on recent discussion and email correspondence between Li-Cycle and RED representatives, RED understands that the Li-Cycle Commercial Hub No. 1 will be water positive and will require a continuous discharge of excess process water to RED's industrial sewer which flows to RED's Kings Landing Wastewater Treatment Plant (KLWWTP) in order maintain the Li-Cycle Hub No. 1's water balance. Li-Cycle has included in the scope of the Hub No. 1 project a dedicated pretreatment system (evaporator and crystallizer) to pretreat excess process water prior to discharge to RED's industrial sewer.

During rainfall events, the accumulated stormwater intended for discharge to the industrial sewer will be managed along with the excess process water stream to ensure that the agreed discharge limits in Table 2, will not be exceeded. Stormwater collected within the curbed process areas on Li-Cycle's Hub No. 1 complex will be managed in two ways:

- After analysis that demonstrates the accumulated stormwater is uncontaminated water, within the discharge limits in Table 2, it will be discharged directly to the industrial sewer leading to the KLWWTP
- After analysis that demonstrates the accumulated stormwater is greater than the discharge limits in Table 2, or in the event Li-Cycle does not test the accumulated stormwater, the accumulated stormwater will be pretreated by the Hub's dedicated excess process water pretreatment system and then analyzed prior to discharge to the industrial sewer leading to the KLWWTP to ensure that the discharge limits in Table 2 are not exceeded.



Li-Cycle's forecasted pretreated process water/stormwater discharges from their dedicated pretreatment system to RED's industrial sewer is presented in Table 1 below. Table 1 displays both the Normal Operating Case when the evaporator and crystallizer process pretreats only the excess process water, and the Design Case which includes the pretreatment of the contaminated/potentially contaminated stormwater in addition to the Normal Operating Case. The values for both the Normal Operating Case and the Design Case in the table below are based on process engineering estimates and fall well below RED's discharge limits for the Li-Cycle process wastewater discharge presented in Table 2 below.

*Table 1: Normal Operating and Design Case Excess Water Parameters*

Parameter	Units	Normal Operating Case	Design Case
Total Flow (estimated, imperial)	gal/h	3300	5500
	gal/day	79,200	132,000
<b>Daily Discharge (Estimated Concentration)</b>			
Aluminum, total	mg/L	0	0
Calcium, total	mg/L	0	0
Cadmium, total	mg/L	0	0
Chloride	mg/L	0.23	0.22
Cobalt, total	mg/L	0	0
Copper, total	mg/L	0	0
Fluoride, total	mg/L	0.06	0.06
Iron, total	mg/L	0.003	0.003
Potassium, total	mg/L	0	0
Lithium, total	mg/L	0.68	0.66
Magnesium, total	mg/L	0	0
Manganese, total	mg/L	0	0
Sodium, total	mg/L	7.9	7.6
Nickel, total	mg/L	0.001	0.007
Phosphorus, total	mg/L	0.01	0.01
Zinc	mg/L	0	0
Sulfate	mg/L	21	20
Hydroxide ion (OH <sup>-1</sup> )	mg/L	0	0
Carbonate ion (CO <sub>3</sub> )	mg/L	0.02	0.05
Sulfuric Acid	mg/L	0	0
Sodium Hydroxide	mg/L	0	0
Versatic 10	mg/L	0	0
Glycol type components	mg/L	260	270
SX Organics (Kerosene type components)	mg/L	0.72	0.72
Total Dissolved Solids (TDS)	mg/L	30	29
pH	S.U.	5-9	5-9

Daily Discharge (Estimated Mass)	Units	Normal Operating Case	Design Case
Aluminum, total	lb/day	0	0
Calcium, total	lb/day	0	0
Cadmium, total	lb/day	0	0
Chloride, total	lb/day	0.15	0.24
Cobalt, total	lb/day	0.0001	0.001
Copper, total	lb/day	0	0.0004
Fluoride, total	lb/day	0.042	0.068
Iron, total	lb/day	0.002	0.003
Potassium, total	lb/day	0.001	0.002
Lithium, total	lb/day	0.45	0.72
Magnesium, total	lb/day	0.0002	0.0003
Manganese, total	lb/day	0.0001	0.001
Sodium, total	lb/day	5.2	8.3
Nickel, total	lb/day	0.0007	0.008
Phosphorus, total	lb/day	0.01	0.01
Zinc	lb/day	0	0
Sulfate	lb/day	14	22
Hydroxide ion (OH <sup>-1</sup> )	lb/day	0.0003	0.001
Carbonate ion (CO <sub>3</sub> )	lb/day	0.01	0.05
Versatic 10	lb/day	0	0
Sulfuric Acid	lb/day	0	0
Sodium Hydroxide	lb/day	0	0
Glycol type components	lb/day	170	300
SX Organics	lb/day	0.39	0.47
Total Dissolved Solids (TDS)	lb/day	20	31

Table 2: Li-Cycle Wastewater Discharge Limits to RED's Industrial Sewer

Parameter	Limits (lbs/day)
Cobalt, total	6
Copper, total	6
Lithium, total	30*
Manganese, total	6*
Nickel, total	3
"kerosene-type" solvent, CAS 64742-47-8	<1
Total Dissolved Solids (TDS)	15,000
pH	4-10

\* Lithium and Manganese limits in Table 2 are estimated by RED. The final limits will be established after the required Wastewater Characterization Approval (WCA) is submitted by RED and approved by the NYSDEC.

RED's State Pollution Discharge Elimination System (SPDES) permit with the New York State Department of Environmental Conservation (DEC) requires that RED submit a new discharge notification under the Wastewater Characterization and Approval (WCA) permit requirement for any new wastewater discharge that is approved by RED. RED will initiate the WCA submission for the Li-Cycle Hub No.1 effluent discharge for approval by NYS DEC by year end 2021. Should the NYS DEC alter any of RED's discharge limits in Table 2, or place additional requirements and/or restrictions on the Li-Cycle Hub No. 1 discharge, those requirements must be met by Li-Cycle in order for the NYS DEC to authorize this discharge to RED's industrial sewer and the KLWWTP.

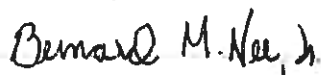
RED confirms the following:

- Li-Cycle's forecasted pretreated excess process/stormwater discharge flowrate, parameters and daily discharges (concentration and mass) listed in Table 1 above are acceptable for discharge to the industrial sewer leading to the KLWWTP
- The daily discharge limits listed in Table 2 are acceptable for discharge to the KLWWTP, and includes Li-Cycle's management of stormwater collected within the curbed process areas on Li-Cycle's Hub 1 complex
- RED's approval of the Li-Cycle treated process water/stormwater discharge is conditional and may be superseded by any requirements specified by the NYS DEC during the WCA approval process. RED will initiate the WCA submission for the Li-Cycle Hub 1 effluent discharge for approval by NYS DEC by year end 2021

RED appreciates the opportunity to support the development of Li-Cycle's Commercial Hub No. 1, and the positive economic impacts that this capital project brings to the Town of Greece and the Greater Rochester area.

If you have any questions concerning this correspondence, please contact me by telephone at (585)327-2059, or via email at [bnee@recycled-energy.com](mailto:bnee@recycled-energy.com).

Sincerely,



Bernard M. Nee, Jr.  
Chief Technical Officer  
RED Rochester, LLC

## Christine Ferry

---

**From:** Penwarden III, Brent H <BPenwarden@monroecounty.gov>  
**Sent:** Wednesday, November 3, 2021 3:22 PM  
**To:** Dolan, Frank  
**Cc:** Frys, Thomas J; McIntosh, James; Scott Copey  
**Subject:** RE: LI -Cycle Transportation Memo

Frank,

*We received the report & site plans and should have enough information to review and comment on the traffic impact report. We have not yet reviewed the report so I cannot comment on whether additional information will be requested after we have reviewed the report, !*

**Brent H. Penwarden III, P.E.**

Chief of Traffic Operations & Permits  
Monroe County Dept. of Transportation  
CityPlace - 50 W. Main St. - Suite 6100  
Rochester, NY 14614

Office: (585) 753-7733  
Email: [bpenwarden@monroecounty.gov](mailto:bpenwarden@monroecounty.gov)

**From:** Dolan, Frank <fdolan@BERGMANNPC.com>  
**Sent:** Wednesday, October 27, 2021 4:35 PM  
**To:** Penwarden III, Brent H <BPenwarden@monroecounty.gov>  
**Cc:** Frys, Thomas J <TFrys@monroecounty.gov>; McIntosh, James <jmcintosh@BERGMANNPC.com>  
**Subject:** LI -Cycle Transportation Memo  
**Importance:** High

CAUTION: This email originated from outside Monroe County systems. Exercise caution when opening attachments or clicking links, especially from unknown senders.

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Brent per the attached August 12,2021 Memo from MCDOT to Monroe County Planning you requested a Traffic Impact Report. To keep the SEQRA process moving forward I would like a Letter from MCDOT indicating that the Transportation Impact Report has been submitted and that no additional information is needed at this time. Please advise if you can submit this letter.

Thanks,  
Frank

**Frank L. Dolan,P.E.,PTOE**  
STAFF CONSULTANT- MUNICIPAL & ITS

**BERGMANN**

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