

EPA Region 5 Enforcement and Compliance Assurance Division
INDUSTRIAL USER PRETREATMENT SCREENING INSPECTION REPORT

Inspection Entry Date/Time	8/12/2024 – 10:50 AM	Announced: No	
Inspection Exit Date/Time	8/12/2024 – 11:15 AM	Access: Granted	
Weather			
Media	Water		
Statute(s)/Program(s)	Clean Water Act, National Pollutant Discharge Elimination System (NPDES)		
Type of Inspection	Industrial User Screening Inspection (Pretreatment Direct Implementation)		
Facility or Site Name	Quality Coating and Blasting		
Facility/Site Physical Address	707 East 17th Street		
City, State, Zip Code	Rock Falls, Illinois 61071		
County/Borough/Parish	Whiteside County		
Facility GPS Coordinates			
Mailing Address (If different)			
City, State, Zip Code			
Owner (If different than facility)		Operator (If Different than Owner)	
Address			
City, State, Zip Code			
Location in WWTP Service Area (Yes – Name of WWTP/ or N/A)			
FRS ID	N/A		
Permit Number(s) (If Applicable)	N/A		
SIC and/or NAICS	3479-16		
Lead Inspector			
Name: Joseph Forth	Signature/Date: Forth, Joseph  Digitally signed by Forth, Joseph Date: 2024.10.07 11:11:49 -05'00'		
	Region: EPA Region 5	Email: forth.joseph@epa.gov	Telephone Number: (312) 886-7275
Supervisor Review			
Name: Molly Smith	Signature/Date: MOLLY SMITH  Digitally signed by MOLLY SMITH Date: 2024.10.07 12:18:28 -05'00'		

	Region: EPA Region 5	Email: smith.molly@epa.gov	Telephone Number: (312) 353-8773
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SECTION I – INTRODUCTION

Site Entry/Opening Conference and Inspection Objectives

EPA Region 5 Inspector(s), Joseph Forth and Jennifer Bush, arrived at the Quality Coating and Blasting (“QC&B” or the “Facility”), located at 1707 East 17th Street, Rock Falls, IL 61701, at 10:50 AM (CT) on 8/12/2024 for an unannounced inspection. EPA Region 5 Lead Inspector Joseph Forth presented credentials to Garrett Vandrew, Owner. EPA Region 5 Lead Inspector Joseph Forth informed the facility representatives that this was a US EPA Region 5 Industrial User Screening Inspection to gather information on the facility, its industrial processes, its generation and management of on-site industrial process wastewater and any on-site pretreatment systems to treat process wastewater prior to discharge or disposal as authorized by Clean Water Act (CWA) Section 308 and implementing regulations. Following the presentation of credentials, the EPA representatives conducted an opening conference with the Facility representatives (See table below). Lead Inspector Joseph Forth stated the purpose of the inspection again and explained that they would be completing a checklist of operational questions. In addition to the review of questions, EPA inspectors discussed the right of the Facility to claim Confidential Business Information (CBI) on any document shared with EPA during or after the inspection. The Facility did not make any CBI claims during or after the inspection.

This report is based on information supplied by Facility representatives, direct observations made by the EPA Region 5 inspector(s), and records and reports maintained by the Facility and Region 5 including: verbal or written statements provided by Facility representatives during or subsequent to the inspection; and materials, process information, data, or other documents shown, demonstrated, or submitted to the EPA Region 5 inspectors by Facility representatives during or subsequent to the on-site Inspection. In addition, information gathered prior to or subsequent to the Inspection from a review of EPA, State, and/or public records may be included in this report.

Attendees (US EPA, Facility, State, Local)

Organization	Attendee Name	Title	Contact Information E-mail/Phone	Present Opening Conference	Present Closing Conference
EPA Region 5	Joseph Forth	Lead Inspector	Forth.joseph@epa.gov	Yes	Yes
EPA Region 5	Jennifer Bush	Inspector	Bush.Jennifer@epa.gov	Yes	Yes
QC&B	Garrett Vandrew	Owner	vandrew409@yahoo.com	Yes	Yes

SECTION II – INDUSTRIAL USER SCREENING CHECKLIST

SECTION II.A – Business Activity/Category

1.	If the facility employs or will be employing processes in any of the industrial categories or business activities listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check beside that category or business activity. Check all that apply.	
	☐ Airport Deicing	☐ Leather Tanning and Finishing
	☐ Aluminum Forming	☐ Meat and Poultry Products
	☐ Asbestos Manufacturing	☐ Metal Finishing
	☐ Battery Manufacturing	☐ Metal Molding and Casting (Foundries)
	☐ Canned and Preserved Fruit and Vegetable Processing	☐ Metal Products and Machinery
	☐ Canned and Preserved Seafood Processing	☐ Mineral Mining and Processing
	☐ Carbon Black Manufacturing	☐ Nonferrous Metals Forming
	☐ Cement Manufacturing	☐ Nonferrous Metals Manufacturing
	☐ Centralized Waste Treatment	☐ Oil and Gas Extraction
	☐ Coal Mining	☐ Ore Mining and Dressing
	☐ Coil Coating	☐ Organic Chemicals, Plastics, and Synthetic Fibers
	☐ Concentrated Animal Feeding Operation and Feedlots	☐ Paint Formulating
	☐ Concentrated Aquatic Animal Production	☐ Paving and Roofing Manufacturing
	☐ Construction and Development	☐ Pesticide Chemicals
	☐ Copper Forming	☐ Petroleum Refining
	☐ Dairy Product Processing or Manufacturing	☐ Pharmaceutical Manufacturing
	☐ Dental Office	☐ Phosphate Manufacturing
	☐ Electrical and Electronic Components Manufacturing	☐ Photographic Processing
	☐ Electroplating	☐ Plastics Molding and Forming
	☐ Explosives Manufacturing	☐ Porcelain Enameling
	☐ Fertilizer Manufacturing	☐ Pulp, Paper, and Paperboard Manufacturing
	☐ Ferroalloy Manufacturing	☐ Rubber Manufacturing
	☐ Glass Manufacturing	☐ Soap and Detergent Manufacturing
	☐ Grain Mills	☐ Steam Electric Power Generating
	☐ Gum and Wood Chemicals Manufacturing	☐ Sugar Processing
	☐ Hospital	☐ Textile Mills
	☐ Ink Formulating	☐ Timber Products
	☐ Inorganic Chemicals Manufacturing	☐ Transportation Equipment Cleaning
	☐ Iron and Steel Manufacturing	☐ Waste Combustors
	☐ Landfill	☒ Other ^{Specify} : Powder coating metal parts
2.	Date of facility construction/operation start date or date(s) of significant process changes (for purposes of existing/new source designation if applicable): MM/YYYY Or YYYY <u>2022</u>	

Section II.B – Facility Sewer Information

1.	Is the facility presently connected to a public or private sanitary sewer system? ☐ Yes/Private ☒ Yes/Public ☐ No If Yes: Are any untreated process wastewater streams discharged directly to the public or private sewer system? ☐ Yes ☒ No If yes: Does the facility have a permit with the local POTW or are they a co-permittee on a permit to discharge untreated process wastewater to the public sewer system? ☐ Yes ☒ No If yes: POTW/WWTP Name _____, Permit _____		
	If No, have you applied for a sanitary sewer connection? ☐ Yes ☒ No		
2.	Is there an on-site treatment system for process wastewater? ☐ Yes ☒ No (If yes, also See Section II.H) If Yes: Does the treatment system effluent discharge to the public sewer system? ☐ Yes ☐ No If Yes: Does the facility have a permit to discharge the effluent to the public sewer system? ☐ Yes ☐ No If Yes: Permit # _____		
3.	List the location, diameter, and average flow of each discharge pipe that connects to the sanitary sewer system.		
	Location of Sewer Connection	Diameter of Pipe (inches)	Average Flow (gpd)
	Unknown		

Section II.C – Facility Operational Characteristics

1.	Provide the following shift information: 7:00 AM – 3:00 PM							
		Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Shifts per workday	1	1	1	1	1		
2.	Indicate whether the business activity is: ☒ Continuous throughout the year ☐ Seasonal Months when business operates: ☐ J ☐ F ☐ M ☐ A ☐ M ☐ J ☐ J ☐ A ☐ S ☐ O ☐ N ☐ D							
3.	Indicate whether the facility discharge is: ☒ Continuous throughout the year ☐ Seasonal Months when discharges occur: ☐ J ☐ F ☐ M ☐ A ☐ M ☐ J ☐ J ☐ A ☐ S ☐ O ☐ N ☐ D							
4.	List types and amounts (mass or volume per day) of raw materials used or planned for use:							
	Raw Material				Amount			
	Steel				Approximately 10,000 pounds per year			
	Powder coating				Approximately 5,200 pounds per year			

Section II.C – Facility Operational Characteristics (Continued)

5.	List types and quantities (mass or volume per day) of chemicals used or planned for use:	
	Chemical	Quantity
	Brake clean	Unknown
	Cleaners and detergents	Unknown
	Acetone	Unknown
6.	Brief general description of all operations at this facility (detailed process unit information noted in Section II.F).	
	The Facility receives both pre-manufactured and raw materials for the automotive industry, direct to consumer or back to manufacturer. The Facility applies a powder coating to metal parts and cures the coating in a curing oven.	
7.	Request copies of the process diagram, flow diagram, and/or general facility diagram (if previous responses warrant more detailed information to understand the processes, flows or sewer connections). ☒ Yes ☐ No	

Section II.D – Spill Prevention

1.	Do you have liquid storage containers (tanks, drums, totes, bins, ponds, etc.) at your facility? ☒ Yes ☐ No	
2.	Do you have floor drains in the manufacturing area or where liquids are stored? ☐ Yes ☒ No	
	If yes, where do floor drains drain to? Floor drains if there are any would drain to sanitary sewer.	
3.	Indicate whether an accidental spill at the facility could lead to a discharge to any of the following. Check all that apply.	
	☐ On-site disposal/treatment system	☐ Ground (outside)
	☐ Public sanitary sewer system	☒ Floor (inside) No drains in storage area.
	☐ Storm drain	☐ Other Specify:
4.	Does facility have a spill prevention plan to prevent spills of liquids from entering the Control Authority's collection/ sewer system? ☐ Yes ☐ No ☒ N/A (No potential for spill to discharge to public sewer/collection system)	

Section II.E – Water Supply

1.	Water Source:		
	☒ Municipal Water Utility	Specify: City of Rock Falls	
	Name as listed on water bill: Quality Coating and Blasting		
	Address: 1707 E 17 th Street, Rock Falls, IL 61701		
	☐ Private Well		
	☐ Surface Water		
	☐ Other:		
2.	Provide the following information for all water usage at the facility:		
	Type of Water Use	Average Water Usage (gpd)	Estimated or Measured
	☒ Sanitary	Unknown	
	☐ Non-contact cooling water		
	☐ Boiler feeding		
	☐ Process		
	☐ Equipment/facility washdown		
	☐ Contact cooling water		
	☐ Air pollution control		
	☐ Irrigation and lawn watering		
	☐ Contained in product		
	☐ Other:		
	Total:		

Section II.F – Wastewater Discharge Information

1.	Provide the following information for all wastewater generated (gallons per day - GPD) at the facility:					
	Type of Wastewater	Average Volume (GPD)	Maximum Volume (GPD)	Estimated or Measured	Type of Discharge	Discharges To
	☒ Sanitary	Unknown				
	☐ Non-contact cooling water					
	☐ Boiler blowdown					
	☐ Process wastewater	Use table below.				
	☐ Equipment/facility washdown					
	☐ Contact cooling water					
	☐ Air pollution control					
	☐ Stormwater runoff					
	☐ Other:					

Section II.F – Wastewater Discharge Information (Continued)

2.	Provide the following information for process wastewater generated by each unit process:						
	Unit Process Description	Average Wastewater Generated (gpd)	Maximum Wastewater Generated (gpd)	Estimated or Measured	Type of Discharge	Discharges To	
	Bathroom/sanitary	Unknown					

3.	Flow Rates for discharge of process wastewater to the sanitary sewer system: N/A						
	Average daily flow rate (gpd): N/A			Maximum daily flow rate (gpd): N/A			
	Peak hourly flow rate (gpd): N/A						
	Hours per day of wastewater discharge to sanitary sewer system: (e.g., 8)						
	Mon	Tue	Wed	Thu	Fri	Sat	Sun

4.	Do batch discharges to the sanitary sewer system occur (or will occur)? ☐ Yes ☒ No						
	Number of batch discharges per time period (specify per day, week, month, etc.):						
	Average volume per batch discharge (gal):						
	Flow rate (gpm):						

5.	Do you have (or plan to have) continuous wastewater flow metering equipment at this facility? ☐ Yes ☒ No						
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6.	Do you have (or plan to have) automatic sampling equipment at this facility? ☐ Yes ☒ No						
	If yes, describe the present or future location of the automatic sampling equipment and describe the equipment:						

Section II.F – Wastewater Discharge Information (Continued)

7.	Has the discharge at this facility changed historically? ☐ Yes ☒ No Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics (i.e., substantially increase/decrease flow characteristics/flow rates) to the sewer in the future? ☐ Yes ☒ No
	If yes, briefly describe these changes and their effects on the wastewater volume and characteristics:
8.	Are any recycling or reclamation systems in use or planned? ☐ Yes ☒ No
	If yes, briefly describe the recovery process, substance recovered, percent recovered, and the concentration in the spent solution:

Section II.G – Slug Discharge Control

1.	Do you have the potential for a slug discharge to the sewer system? ☐ Yes ☒ No A slug discharge is any discharge of a non-routine episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass-through, or in any other way violate the POTW's regulations, local limits, or permit conditions [40 CFR 403.8(f)(2)(v)].
2.	Describe the type of potential slug discharge, including quality and content.
3.	Describe the current mechanisms for prevention of slug discharges.

Section II.H – Treatment

1.	Is any form of process wastewater treatment (see list below) used at this facility? ☐ Yes ☒ No If yes, place a check beside the treatment devices or processes that are used (or will be used) for treating wastewater or sludge at this facility. Check all that apply.		
	☐ Air flotation	☐ Grease trap	☐ Screen
	☐ Centrifuge	☐ Grinding filter	☐ Sedimentation
	☐ Chemical precipitation	☐ Grit removal	☐ Septic tank
	☐ Chlorination	☐ Ion exchange	☐ Solvent separation/recovery
	☐ Cyclone	☐ Neutralization, pH correction	☐ Spill protection
	☐ Filtration	☐ Ozonation	☐ Sump
	☐ Flow equalization	☐ Reverse osmosis	☐ Rainwater diversion or storage
	☐ Grease or oil separation		
	☐ Biological treatment: Specify		
	☐ Other chemical treatment: Specify		
	☐ Other physical treatment: Specify		
	☒ Other: Specify Retention ponds for stormwater.		
2.	Do you have a treatment operator(s)? ☐ Yes ☐ No ☒ N/A If yes, provide the following information:		
	Name:		Operator Class/Type:
	Title:	Hours:	Phone:
	Name:		Operator Class/Type:
	Title:	Hours:	Phone:
	Name:		Operator Class/Type:
	Title:	Hours:	Phone:
	Name:		Operator Class/Type:
	Title:	Hours:	Phone:
3.	Is any form of wastewater treatment (or changes to existing wastewater treatment) planned for this facility within the next three years? ☐ Yes ☒ No If yes, describe any changes in treatment or disposal methods planned or under construction for the wastewater discharge to the sanitary sewer and estimated completion dates.		
4.	Does the process wastewater treatment system effluent discharge to a surface waterbody? ☐ Yes ☐ No ☒ N/A If Yes: Does the facility have a permit to discharge the effluent directly to a waterbody? ☐ Yes ☐ No If Yes: Permit # _____		

Section II.I – Non-Discharged Wastes

1.	Are any waste liquids or sludges generated and not disposed of in the sanitary sewer system? ☐ Yes ☒ No		
	If no, skip the remainder of Section II.I.		
	If yes, list in the table below:		
	Waste Generated	Quantity (per year)	Disposal Method
	Waste oil/lubricants	5-6 55 gallon drums	Rilco company hauls off at most once a year.
2.	If any facility wastes are sent to an off-site centralized waste treatment facility, identify the facility and the wastes that it receives.		
	Rilco company hauls off waste.		
3.	If an outside firm removes any of the wastes, list the name, address, and permit number of all waste haulers:		
	Name	Address	Permit Number (if applicable)
	Rilco Inc.	Unknown	N/A
4.	Have you been issued any federal, state, or local environmental permits? ☐ Yes ☒ No		
	If yes, list the permits:		
5.	Describe where and how waste liquids and sludges are stored prior to disposal.		

SECTION III – CLOSING CONFERENCE AND FOLLOW UP

Closing Conference

The EPA Region 5 Lead Inspector, Joseph Forth, held a closing conference with Garrett Vandrew at 11:18 AM CT on 8/12/2024. During the closing conference, EPA Region 5 Joseph Forth restated the purpose of the inspection survey and explained that a copy of the final survey inspection checklist will be provided to Quality Coating and Blasting.

At the time of the inspection, EPA did not request any follow-up documents.

