

Application Type New  
Facility Type Stormwater  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL INDUSTRIAL WASTE (IW)  
AND IW STORMWATER**

Application No. PA0276383  
APS ID 1027345  
Authorization ID 1334225

**Applicant and Facility Information**

Applicant Name	<u>Electrochemical E&amp;M Company, Inc.</u>	Facility Name	<u>Electrochemical E&amp;M Company</u>
Applicant Address	<u>750 Broad Street</u> <u>Emmaus, PA 18049-3605</u>	Facility Address	<u>750 Broad Street</u> <u>Emmaus, PA 18049-3605</u>
Applicant Contact	<u>Dale K. Heffner, Owner/Vice-President</u>	Facility Contact	<u>Dale K. Heffner, Owner/Vice-President</u>
Applicant Phone	<u>(610) 965-9061</u>	Facility Phone	<u>(610) 965-9061</u>
Client ID	<u>133932</u>	Site ID	<u>487296</u>
SIC Code	<u>3479</u>	Municipality	<u>Emmaus Borough</u>
SIC Description	<u>Manufacturing - Metal Coating and Allied Services</u>	County	<u>Lehigh</u>
Date Application Received	<u>November 17, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 1, 2020</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>New NPDES permit for discharge of industrial stormwater.</u>		

**Summary of Review**

The applicant is requesting a new NPDES permit to discharge stormwater associated with industrial activity to an Unnamed Tributary to Leibert Creek, a HQ-CWF, MF (High Quality-Cold Water Fishes, Migratory Fishes) designated receiving stream in state water plan basin 2-C (Lower Lehigh River). As per the Department's current existing use list, the receiving stream segment does not have an existing use classification that is more protective than its designated use.

The facility is categorized by SIC code 3479 (Manufacturing – Metal Coating and Allied Services) and falls under Appendix U monitoring requirements of the PAG-03 General Permit. All industrial activity occurs inside. Stormwater may come in contact with storage tanks that are temporarily stored outside before being repaired inside. A majority of the onsite stormwater drains to catch basins and is conveyed to an underground detention basin located at the northeast area of the property. The stormwater then discharges to the existing Municipal Stormwater Sewer System located under Broad Street. Site upgrades were constructed in 2004. Prior to the 2004 construction, the site was part of Donaldson Iron Works. The site was re-developed as part of an industrial site reuse program.

Sample results were submitted for Outfall 001 and Outfall A. The Stormwater Site Plan is included with this fact sheet.

Outfall 001 is the discharge from the entire Electrochemical site (3.27 acres), including the original stormwater system that was designed/built in the 1940s when the site was a steel mill. Sampling occurs in Manhole B before discharging to the MS4.

Outfall A drains the area that was constructed in 2004 (2.09 acres). A 24R SNOUT (Oil-Water Debris Separator) is installed to treat the water quality of the stormwater before entering the basin. All stormwater from this area will ultimately drain to Manhole A (where sampling is collected) before discharging to Manhole B (where sampling is collected for Outfall 1) and then to the MS4. Therefore, this outfall is considered an Internal Monitoring Point (IMP). IMP monitoring/reporting may help the facility and Department determine where contamination to stormwater may be occurring if future sample results indicate an issue. Outfall A has been renamed to IMP 101 (or Outfall 101) in the permit.

Approve	Deny	Signatures	Date
X		/s/ Allison Seyfried / Environmental Engineering Specialist	February 17, 2021
X		/s/ Amy M. Bellanca, P.E. / Environmental Engineer Manager	3-3-21

### Summary of Review

All industries classified under Appendix U should be within 100 mg/L for Total Suspended Solids (TSS). This value is included as an IMAX limitation and should be sampled semi-annually. Semi-annual monitoring and reporting of pH, Nitrate-Nitrite as N, Total Aluminum, Total Iron, and Total Zinc are also required under this permit. No additional monitoring/reporting parameters have been added to the permit at this time.

An Anti-Degradation Module was submitted with the application. All Non-Discharge Alternatives are technically infeasible and/or environmentally unsound. Hydrologic controls are already in place onsite. Building a new facility on undisturbed greenfield is not cost effective and would disturb more land. Space is limited at the current facility; there is no available area to construct treatment wetlands, land application, or recycling/reuse.

PPC Plan implementation and completion of an annual inspection and compliance evaluation are required under the permit.

There are no open violations for this client that would warrant withholding the issuance of this permit.

#### Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Rev 5: 11/4/20

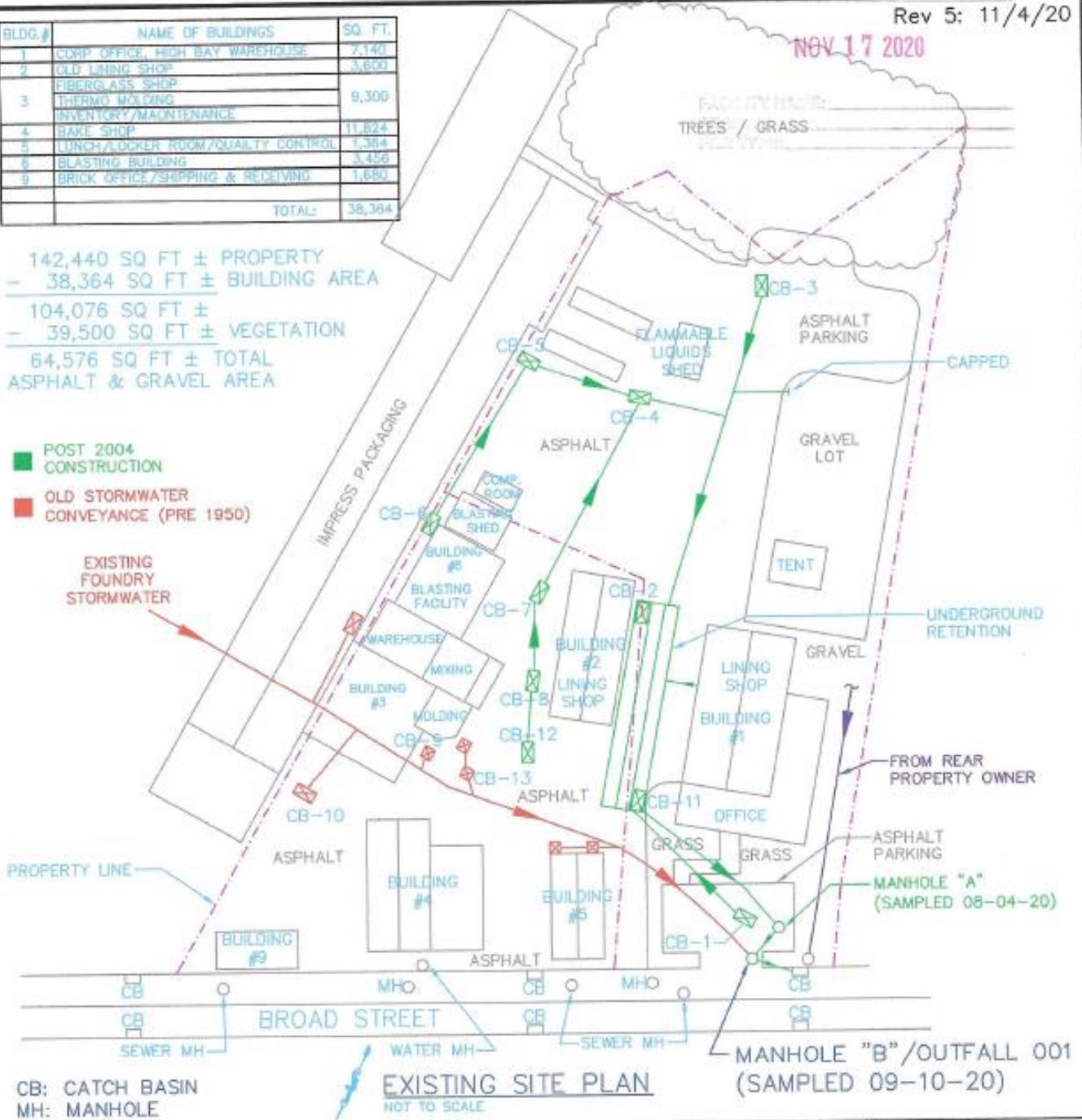
NOV 17 2020

BLDG.#	NAME OF BUILDINGS	SQ. FT.
1	COMP OFFICE, HIGH BAY WAREHOUSE	7,140
2	OLD LINING SHOP	3,600
3	FIBERGLASS SHOP	9,300
	INVENTORY/MAINTENANCE	
4	BAKE SHOP	11,624
5	LUNCH/DOCKER ROOM/QUALITY CONTROL	1,384
6	BLASTING BUILDING	3,456
9	BRICK OFFICE/SHIPPING & RECEIVING	1,680
TOTAL:		38,364

142,440 SQ FT ± PROPERTY  
 - 38,364 SQ FT ± BUILDING AREA  
 104,076 SQ FT ±  
 - 39,500 SQ FT ± VEGETATION  
 64,576 SQ FT ± TOTAL ASPHALT & GRAVEL AREA

- POST 2004 CONSTRUCTION
- OLD STORMWATER CONVEYANCE (PRE 1950)

EXISTING FOUNDRY STORMWATER



CB: CATCH BASIN  
 MH: MANHOLE

EXISTING SITE PLAN  
 NOT TO SCALE

MANHOLE "B"/OUTFALL 001  
 (SAMPLED 09-10-20)

Drawing Size: 11" x 8 1/2"

**Electro Chemical Engineering & Manufacturing Company**  
 750 Broad Street, Borough Of Emmaus  
 Lehigh County, PA 18049-3605

**SITE PLAN - STORMWATER**

DATE: 08/18/2020  
 DRAWN: BMT  
 JOB NO: ECEM 19\_659



*Guzek Associates*

401 Davis Street  
 Clark Summit, PA 18411

Phone: (717) 586-9700  
 FAX: (717) 586-6728

Mechanical, Electrical, Structural,  
 Environmental, and Architectural  
 Engineering

E-Mail: guzekassoc@aol.com

DRAWING NO:  
**SK-1**