

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0239453
APS ID 994217
Authorization ID 1274936

Applicant and Facility Information

Applicant Name	<u>Intech Metals, Inc. d/b/a Intech P/M Stainless, Inc.</u>	Facility Name	<u>Intech Metals</u>
Applicant Address	<u>P.O. Box 506 Ridgway, PA 15853-0506</u>	Facility Address	<u>7028 Ridgway Saint Marys Road Ridgway, PA 15853-6562</u>
Applicant Contact	<u>Keith Rogers</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 776-6150</u>	Facility Phone	<u></u>
Client ID	<u>5927</u>	Site ID	<u>456894</u>
SIC Code	<u>3399</u>	Municipality	<u>Ridgway Borough</u>
SIC Description	<u>Manufacturing - Primary Metal Products, Nec</u>	County	<u>Elk</u>
Date Application Received	<u>May 3, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>October 22, 2019</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal of a NPDES Permit for an existing discharge of Industrial waste and stormwater.</u>		

Summary of Review

This company is a metal powder processing plant that makes stainless steel parts.

No changes to plant operations have occurred since the last permit renewal and no changes to discharge quantity or quality are proposed as part of this permit renewal.

There are currently no open violations listed in EFACTS for this permittee (9/18/2020).

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.

Approve	Deny	Signatures	Date
X		Adam Pesek Adam J. Pesek, E.I.T. / Environmental Engineering Specialist	September 18, 2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	September 21, 2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0015</u>
Latitude	<u>41° 25' 43"</u>	Longitude	<u>-78° 42' 43"</u>
Quad Name	<u>Ridgeway</u>	Quad Code	<u>0716</u>
Wastewater Description:	<u>Untreated non-contact cooling water and stormwater not associated with industrial activities</u>		
Receiving Waters	<u>Unnamed Tributary to Elk Creek</u>	Stream Code	<u>50459</u>
NHD Com ID	<u>102665463</u>	RMI	<u>2.1</u>
Drainage Area	<u>62.23</u>	Yield (cfs/mi ²)	<u>0.1139</u>
Q ₇₋₁₀ Flow (cfs)	<u>7.088</u>	Q ₇₋₁₀ Basis	<u>USGS# 03028700 & 03028900 (avg. yield)</u>
Elevation (ft)	<u>1410</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>17-A</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u>Final</u>	Name	<u>Elk Creek TMDL (Elk County) 50459</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u></u>		<u></u>
Hardness (mg/L)	<u>100</u>	Default	<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Company – Clarion</u>		
PWS Waters	<u>Clarion River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>66</u>

Changes Since Last Permit Issuance: The 2014 Integrated Report lists this section of stream as attaining uses.

Other Comments:

Compliance History	
Summary of DMRs:	No issues.
Summary of Inspections:	Site was last inspected on 3/06/2019. No major issues found. Inspector noted the need to calibrate flow meters annually and gave PPC recommendations. A new furnace was to be added in 2019 that would not have a discharge.

Other Comments:

Compliance History

DMR Data for Outfall 001 (from August 1, 2019 to July 31, 2020)

Parameter	JUL-20	JUN-20	MAY-20	APR-20	MAR-20	FEB-20	JAN-20	DEC-19	NOV-19	OCT-19	SEP-19	AUG-19
Flow (MGD) Average Monthly	0.00077 93	0.00090 96	0.00049 06	0.00120 78	0.00144 93	0.00126 79	0.00128 04	0.00110 4	0.00105 77	0.00121 883	0.00102 7	0.00105 64
pH (S.U.) Minimum	8.1	8.0	8.3	8.1	8.0	8.0	8.1	8.0	8.2	8.2	8.1	8.1
pH (S.U.) Instantaneous Maximum	8.3	8.3	8.5	8.3	8.5	8.3	8.4	8.7	8.4	8.5	8.3	8.4

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.0015
Latitude 41° 25' 43.00" **Longitude** -78° 42' 43.00"
Wastewater Description: Untreated non-contact cooling water & stormwater not associated with industrial activities.

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Parameter	Limit (mg/l)	SBC	Federal Regulation	State Regulation
pH	6.0 – 9.0 S.U.	Min – Max		95.2(1)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Comments: No ELGs apply to this facility.

Water Quality-Based Limitations

Comments: The Thermal Discharge Analysis Spreadsheet done for the last permit renewal (attached) did not determine the need for thermal limits. Since there have been no changes to the inputs of the model, no new spreadsheet was created.

A review of the Pollutant Group 1 pollutant sampling for the renewal did not indicate the need for any WQM or PENTOXSD modeling.

Best Professional Judgment (BPJ) Limitations

Comments: There is an AMD TMDL for the Elk Creek Watershed and the discharge is to a segment of Elk Creek that is addressed in the TMDL. However, point source discharges are not addressed in this TMDL, and the lower segments of Elk Creek (including the segment the discharge is located in) are currently attaining the designated uses and was no longer listed on the Section 303d list as impaired (Not listed in 2014 Integrated Report). Therefore, no monitoring requirements for aluminum, total iron, or manganese.

The renewal application indicated the stormwater collected and discharged at Outfall 001 met the conditions of “no exposure.” The 3/16/2019 Department Inspection Report verified that the facility met a condition of “no exposure.” No monitoring requirements will be placed in the permit in regards to the stormwater contribution.

Anti-Backsliding

N/A

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001 (after disinfection)

Other Comments: