

## ALPHA Metal Reclamation Services

### *Pre - Audit Package*



[macdermidalpha.com](http://macdermidalpha.com)

April 2025

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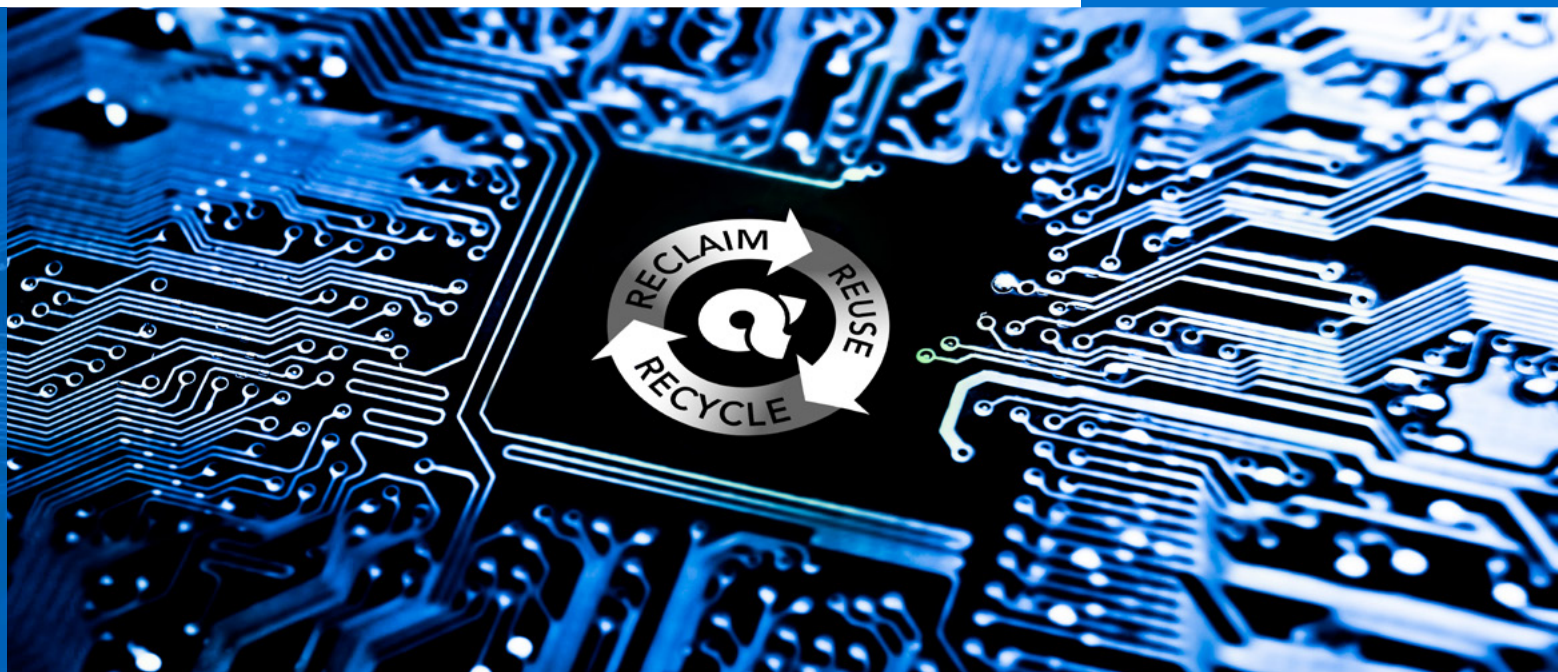
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# BACKGROUND INFORMATION

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## **ALPHA Reclamation Services Brochure**

*Maximize Your Metal Recovery Return*



macdermidalpha.com  
August, 2022

ASSEMBLY SOLUTIONS



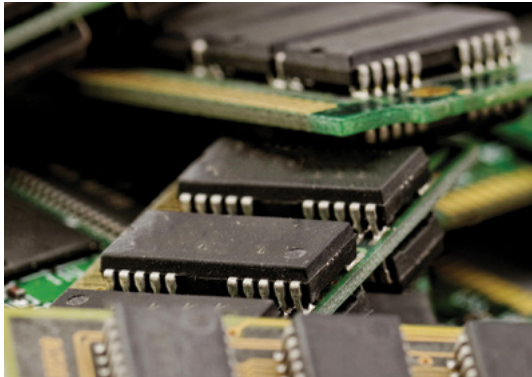
# ALPHA Metal Reclamation Services

Leading Solder Manufacturer & Recycler in North America

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**Alpha**, a brand of MacDermid Alpha Electronics Solutions, is the largest soldering materials provider in North America with in-house solder paste and reclaim capability. Our publicly held corporation offers stability and the highest financial return to our recycling customers. We have an experienced staff dedicated to reclamation efforts who maximize the amount of metal processed from your reclaim material. Our processes also remove the reclaim material from becoming part of the waste stream traditionally placed in landfills.

In addition to providing tough, sealable metal recycling pails and drums, Alpha guarantees that all shipments are lot traceable and provides audit trails to help document the safe environmental reprocessing of waste material. We welcome customers to visit our facility in Altoona, Pennsylvania to conduct your own audit of our recycling process.



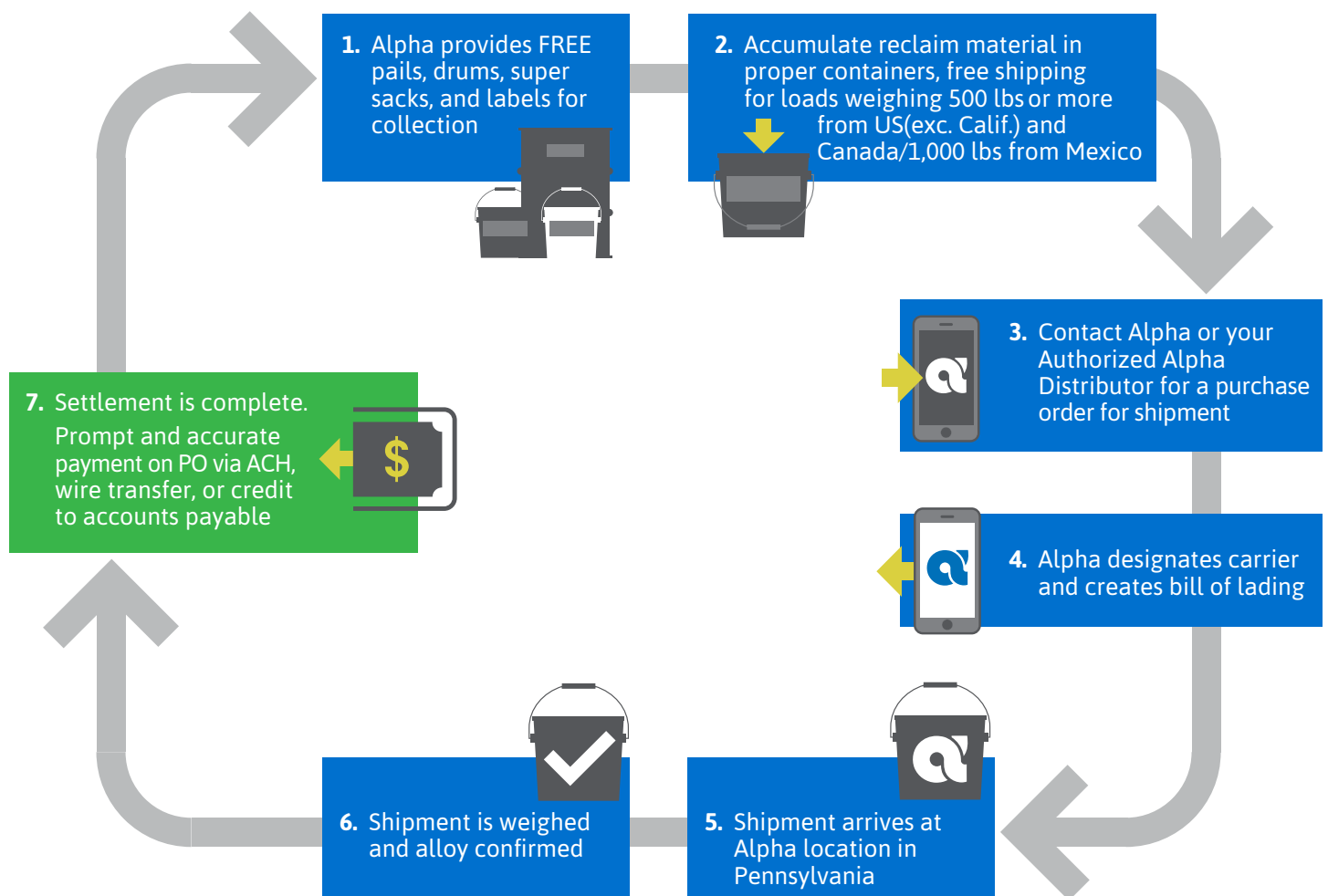
# ALPHA Metal Reclamation Services

Benefit From Our Experience



Alpha is the largest solder manufacturer and recycler in North America. Below is a simple guide to assist you through the collection, shipping, and payment processes.

## PROCESS FLOW SUMMARY



# ALPHA Metal Reclamation Services

Benefit From Our Experience



## TYPES OF RECLAIM MATERIAL TO SHIP TO ALPHA

- Unused and expired solder paste, scrap, partially filled jars
- Used cartridges, syringes, gloves, wipes
- Pot dump from wave and selective soldering machines
- Dross from wave soldering
- Populated scrap boards

	Super Sack	2.5 Gallon Collection Pails	Gaylord	55 Gallon Drum
				
Unused or expired solder paste, scrap		✓		✓
Jars, cartridges, syringes, gloves, wipes	✓		✓	✓
Pot dump		✓		✓
Dross		✓		✓
Scrap boards (populated separated from unpopulated)	✓		✓	✓
Cast ingots				✓

# ALPHA Metal Reclamation Services

An Easy Step-by-Step Process

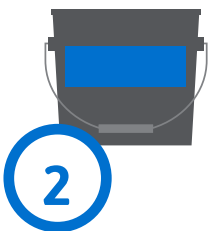


## COLLECTION TIPS



- Collect minimum quantity of material to qualify for free freight. 500 lbs from US(exc. Calif.) and Canada/1,000 lbs from Mexico.
- Every container or package must have a cover and a label.
- Paste should be scraped directly into collection pail.
- Empty jars, syringes, cartridges, cassettes, gloves, and wipes should be collected in a geylord, super sack or drum.
- If possible, containers should be palletized and shrink wrapped. When shipping drums, 4 drums per pallet. Alpha will provide plastic pallets upon request to any supplier in Mexico or Canada. If wooden pallets are used, they must include the correct ISPM 15 stamp or the shipment will be refused. Metal or plastic pallets do not require ISPM 15 identification.
- Items NOT accepted include electronics in their original housings (monitors, laptops, phones, batteries), any material in liquid form and paste flux containing no metal.

## LABELING PROCEDURES



Shipping labels will be provided for all shipments and container types. Labels will correspond to the contents of the container – tin-lead/hazardous and lead-free/non-hazardous wastes. All shipments require a PO# to be included on the label. Alpha's reclaim staff will assign the PO# for your shipment.

- Important to use proper label for type of reclaim material.
- Important to put PO# on each label (prevents delays upon receiving and payment).

alpha

Pb-Bearing ☐ Solder Paste ☐ Paste Debris ☐ Oxides ☐ Metallics

**DANGER**

From:

To: Alpha Recycling  
4100 Sixth Avenue  
Altoona, PA 16602  
Attn: Receiving Dept.

Container No. Gross Wt.

Item Net Wt.

PO Number Net Wt.

Tin-lead label (blue ink)

alpha

Pb-Free ☐ Solder Paste ☐ Paste Debris ☐ Oxides ☐ Metallics

From:

To: Alpha Recycling  
4100 Sixth Avenue  
Altoona, PA 16602  
Attn: Receiving Dept.

Container No. Gross Wt.

Item Net Wt.

PO Number Net Wt.

Lead-free label (green ink)

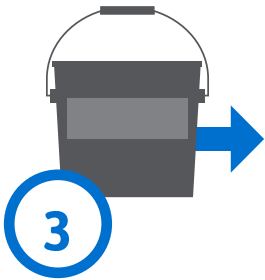


# ALPHA Metal Reclamation Services

## Shipping & Payment



### SHIPPING PROCEDURES



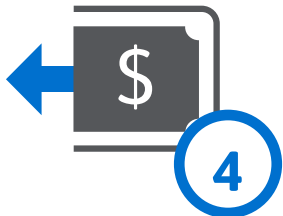
Alpha's Reclaim Team assists with arranging transportation and provides customers with all required shipment documentation.

Once details of shipment are settled, Alpha will arrange transportation and email the required bills of lading and any additional documents that may be required for your shipment. Customers coordinate pick up appointments with the designated carrier.

Alpha will pay the freight on all shipments over 500 lbs from US(exc. Calif.) and Canada/1,000 lbs from Mexico.


Shipments from California and Mexico must be manifested. Alpha coordinates with transportation service provider to complete all necessary documents, including manifests, if required.


### PAYMENT

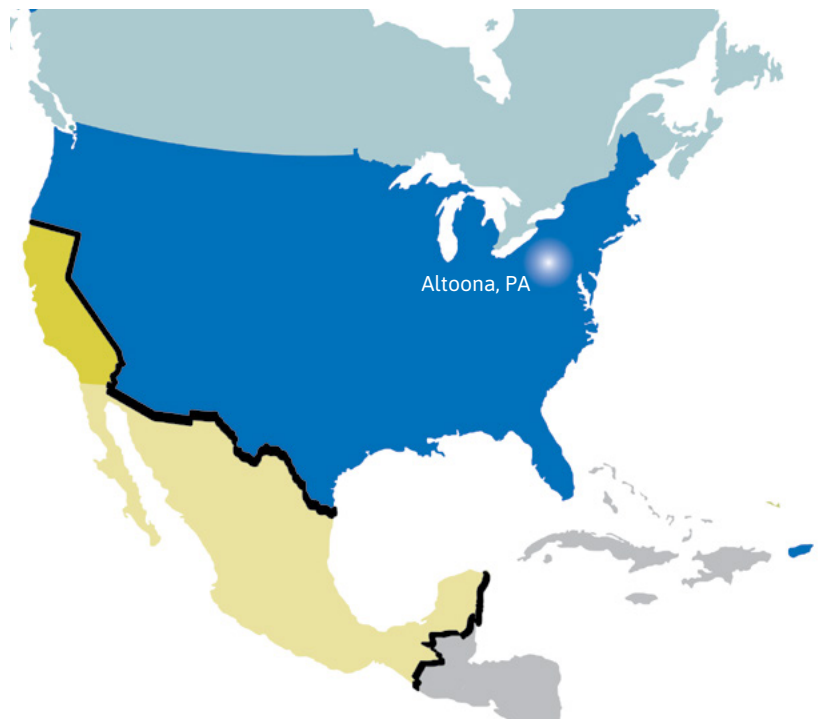


Alpha's automated receiving process allows for prompt and accurate settlement once materials are received at the reclamation facility in Altoona, Pennsylvania.

Customers may receive payment by ACH, wire, or as a credit to accounts payable.

 **Canada and USA (except California):** no manifest required

 **Mexico and California:** manifest required



# ALPHA Metal Reclamation Services

## FAQs



**Q: Can I ship liquids?**

**A:** No liquids of any kind are accepted.

**Q: Can I send paste flux?**

**A:** No. There is no metal to recycle in paste flux.

**Q: Is dross a hazardous waste?**

**A:** No. It is considered a by-product of the wave soldering process, except in Mexico and California.

**Q: Is paste scrap or paste debris hazardous waste?**

**A:** No. It is considered an unused commercial chemical product, except Mexico and California.

**Q: How is pricing established?**

**A:** Pricing is based on the London Metals Exchange (LME) metals price on the day the PO is issued. For larger shipments, the price can be set the day after processing is witnessed.

**Q: How do I check the price of metals?**

**A:** You can check daily at [kitco.com](http://kitco.com)

**Q: What trucking company will be used?**

**A:** Alpha will select the carrier; customer makes arrangements at their convenience for pick-up.

**Q: Is Alpha licensed to export Nationalized Reclaim Material to the US from Mexico?**

**A:** Yes. Alpha has been issued license #0001770 to export nationalized solder reclaim material from SEMARNAT (Secretaría de Medio Ambiente y Recursos Naturales).

**For additional questions,**

contact your local Reclaim Specialist at [recycle@macdermidalpha.com](mailto:recycle@macdermidalpha.com).

# ALPHA Metal Reclamation Services

## Contacts



<https://www.macdermidalpha.com/assembly-solutions/products/recycling-services>

### United States/Canada Team

#### USA East & Canada

**Tyler Port**

Regional Reclaim Manager

Mob: +1 (814) 312-6917

Tyler.Port@macdermidalpha.com

#### USA West

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Regional Reclaim Manager

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Harold.Sneath@macdermidalpha.com

#### Reclaim Coordinator

**Mary Kay Summerville**

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Altoona, PA 16602

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Tel: +1 (814) 940-3819

Fax: +1 (814) 940-6752

MaryKay.Summerville@macdermidalpha.com

### Mexico Team

#### Western Mexico

**Tereso Contreras**

Reclaim Manager

Av. Nafta No.800, Parque Industrial STIVA

Aeropuerto, Apodaca NL México 66600

Tel: +52 1(81) 4170-7469

Mob: +52 1(81) 1412-9207

Tereso.Contreras@macdermidalpha.com

#### Eastern Mexico

**Nancy Pereyra**

Regional Reclaim Manager

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Aeropuerto, Apodaca N.L. México 66600

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Mob: +52 1(81) 2355-4666

Nancy.Pereyra@macdermidalpha.com

#### Reclaim Logistics Coordinator

**Alejandra Navarro**

Av. Nafta No.800, Parque Industrial STIVA

Aeropuerto, Apodaca N.L. México 66600

Tel: +52 1(81)2020.1957

Alejandra.Navarro@macdermidalpha.com



SCAN ME



macdermidalpha.com

August, 2022



# Delaware

The First State

Page 1

*I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "ALPHA METALS, INC.", CHANGING ITS NAME FROM "ALPHA METALS, INC." TO "ALPHA ASSEMBLY SOLUTIONS INC.", FILED IN THIS OFFICE ON THE TWENTY-EIGHTH DAY OF SEPTEMBER, A.D. 2016, AT 3:22 O`CLOCK P.M.*

*AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE FIRST DAY OF OCTOBER, A.D. 2016 AT 3:22 O'CLOCK P.M.*

*A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.*

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

Jeffrey W. Bullock, Secretary of State

876949 8100  
SR# 20165982347

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

Authentication: 203106961  
Date: 10-04-16

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 03:22 PM 09/28/2016  
FILED 03:22 PM 09/28/2016  
SR 20165982347 - File Number 876949

**CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
ALPHA METALS, INC.**

Pursuant to Section 242 of the General Corporation Law of the State of Delaware (the "GCL"), Alpha Metals, Inc., a corporation organized and existing under the GCL (the "Corporation") does hereby certify that:

1. The Certificate of Incorporation of the Corporation is hereby amended as follows:

Article FIRST of the Certificate of Incorporation is deleted in its entirety and replaced with the following:


"The name of the corporation is Alpha Assembly Solutions Inc. (the "Corporation")."

2. The foregoing amendment to the Corporation's Certificate of Incorporation was duly adopted in accordance with the provisions of Section 242 of the GCL.

3. The foregoing amendment to the Corporation's Certificate of Amendment shall be effective as of October 1, 2016.

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be executed by its duly authorized officer as of the 28th day of September, 2016.

**ALPHA METALS, INC.**

By:   
Frank J. Monteiro  
Vice President





# GLOBAL ENVIRONMENTAL, HEALTH & SAFETY POLICY

**Element Solutions** is committed to producing products and providing services to customers in a safe, responsible manner that respects the health and safety of its employees, the environment, its customers, its shareholders, other interested parties and the communities in which it operates. Our guiding principles for all our businesses are:

**PROVIDE** a safe and healthy work environment and ensure that personnel are trained, informed and motivated to act safely and with respect to the environment.

**ASSESS** aspects and impacts of our activities and materials carefully and take into consideration human health and the environment by integrating principles of risk control, engineering, pollution prevention, waste reduction and energy efficiency in order to minimize the environmental impact of our businesses and to provide environmentally responsible stewardship of our products throughout their life cycles.

**COMMITTED** to designing and implementing Environment, Health, Safety (EHS) systems to minimize risk, identify opportunities and produce a safe work environment as well as to generating sustainable solutions for prevention of pollution, protection of the environment and prevention of accidents.

**PARTICIPATE** and consult with our employees regarding EHS activities and engage in open communication with authorities, organizations and the public.

**MEET OR EXCEED** applicable EHS laws, and related legal requirements in the countries where we operate.

**ALLOCATE** necessary resources to fulfill our strategies, training and programs that bring value and awareness to the entire organization.

**ENSURE** that every employee has a personal and collective responsibility to maintain a healthy and secure workplace, promote safe working practices, and actively participate in reporting unsafe conditions/ acts to reduce risk.

**ENCOURAGE** suppliers, distributors, and customers to incorporate EHS principles in managing their businesses.

**CONTINUOUSLY IMPROVE** our EHS performance, management systems and set EHS objectives in line with the strategic direction of Element Solutions businesses by utilizing continuous improvement methodologies to reduce variability in our businesses / manufacturing processes.

Element Solutions considers EHS and Sustainability to be a Core Value and a key management responsibility to lead by example as well as the responsibility of every employee, essential to its corporate citizenship and business success.

Benjamin Gliklich  
Chief Executive Officer  
Element Solutions Inc

Issue Date: 07 July 2020



# ENVIRONMENTAL PRE-AUDIT INFORMATION

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# Certificate of Approval

This is to certify that the Management System of:

## Alpha Assembly Solutions, Inc.

4100 Sixth Avenue, Altoona, PA, 16602, United States

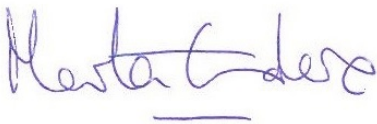
has been approved by LRQA to the following standards:

**ISO 14001:2015, ISO 45001:2018**

Approval number(s): ISO 14001 – 0001164, ISO 45001 – 00011907

**The scope of this approval is applicable to:**

Manufacture of Solder Alloy Products for the Electronics Industry and Industrial Applications. Recycling of Solder Materials.  
Manufacture of Water Treatment Chemical Products.



**Marta Escudero**

Regional Director, United Kingdom and Americas (UKAM)

Issued by: LRQA Limited





SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ALPHA ASSEMBLY SOLUTIONS  
4100 Sixth Avenue  
Altoona, PA 16602  
Lee Ann Olsick Phone: 814 940 6726  
[LeeAnn.Olsick@AlphaAssembly.com](mailto:LeeAnn.Olsick@AlphaAssembly.com)

CHEMICAL

Valid To: February 29, 2024

Certificate Number: 2787.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on solders.

<u>Test Description</u>	<u>Test Method</u>
Titration	
Tin Content	WI-01218
Silver Content	WI-01225
Spectroscopy	
Optical Emission Spectroscopy (OES) Ag, Al, As, Au, Bi, Cd, Cu, Fe, Ge, Hg, In, Ni, P, Pb, S, Sb, Sn, Zn	WI-01231
Wavelength Dispersive X-Ray Fluorescence Spectroscopy (XRF) Ag, Al, As, Au, Bi, Cd, Cu, Fe, In, Ni, P, Pb, S, Sb, Sn, Zn	WI-01233
Inductively Coupled Plasma Spectroscopy (ICP) Ag, Al, As, Au, B, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, Ga, Ge, Hg, In, K, Na, Mg, Mn, Mo, Ne, Ni, P, Pd, Pt, Pb, S, Sb, Se, Si, Sn, Te, Ti, Tl, Y, Z, Zn	WI-01232
Gravimetric Density	
Tin Content	WI-00046



# Accredited Laboratory

A2LA has accredited

**ALPHA ASSEMBLY SOLUTIONS**

*Altoona, PA*

for technical competence in the field of

**Chemical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 22<sup>nd</sup> day of March 2022.

A blue ink signature of a person, likely the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2787.01  
Valid to February 29, 2024

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*



# *Certificate of Destruction*



## ISO 14001 CERTIFIED

The material described below was processed by Alpha Assembly Solutions, Altoona, PA plant for the recycling of metal by-products, precious metals, and other recyclables. ITAR (International Traffic in Arms Regulations) Policy Certified. Alpha's policy is to operate in a manner which is consistent with the requirements of the Arms Export Control Act (AECA) and the International Traffic in Arms (ITAR) of the United States Government, administered by the Directorate of Defense Trade Controls (DDTC).

Purchase Order Number:

Date Received:

Weight Received

Recycled Material Type:

Destruction Method

**BOARDS/COMPONENTS**

**Shredding, Melting & Destruction**

Name of Supplier:

Address:

Issued on: \_\_\_\_\_



**Alpha Assembly Solutions**  
4100 6<sup>th</sup> Avenue, Altoona, PA

\_\_\_\_\_  
**America's Reclaim Department**

# *Certificate of Recycling*



## ISO 14001 CERTIFIED

The material described below was processed by Alpha Assembly Solutions, Altoona, PA plant for the recycling of metal by-products, precious metals, and other recyclables.

Purchase Order Number:

Date Received:

Weight Received

Recycled Material Type:

Method of Reclamation: **HIGH TEMPERATURE METAL RECOVERY**

Name of Supplier:

Address:

Issued on:



**Alpha Assembly Solutions**  
4100 6<sup>th</sup> Avenue, Altoona, PA

**America's Reclaim Department**

**UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION**



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION  
FOR REGISTRATION YEAR(S) 2024-2025**

**Registrant:** ALPHA ASSEMBLY SOLUTIONS, INC.

ATTN: Paul Robinson  
4100 6TH AVE  
ALTOONA, PA 16602

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

**Reg. No: 051724550054G    Effective: July 1, 2024    Expires: June 30, 2025**

**HM Company ID: 56415**

**Record Keeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with PHMSA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
05/01/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> MARSH USA, LLC. 800 Market Street, Suite 1800 St. Louis, MO 63101	<b>CONTACT NAME:</b> Marsh   U.S. Operations <b>PHONE (A/C, No. Ext):</b> 866-966-4664 <b>E-MAIL ADDRESS:</b> StLouis.CertRequest@Marsh.Com	<b>FAX (A/C, No):</b> 212-948-0811
CN118043759-GAWU--24-25	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Assembly Solutions 4100 6th Avenue Altoona, PA 16602	<b>INSURER A :</b> Ironshore Specialty Insurance Company	<b>NAIC #</b> 25445
	<b>INSURER B :</b> N/A	N/A
	<b>INSURER C :</b> All Insurance Company	19399
	<b>INSURER D :</b> Granite State Insurance Co	23809
	<b>INSURER E :</b>	
	<b>INSURER F :</b>	

## COVERAGES

CERTIFICATE NUMBER:

CHI-010111952-06

REVISION NUMBER: 1

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			IEPUW0014685301	04/30/2024	04/30/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 FIRE DAMAGE \$ 1,000,000
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			XSCUW0014685201	04/30/2024	04/30/2025	EACH OCCURRENCE \$ 25,000,000 AGGREGATE \$ 25,000,000 \$
D C C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N N	N / A	016440090 (AOS) 016440092 (WI) 016440091 (CA)	04/30/2024 04/30/2024 04/30/2024	04/30/2025 04/30/2025 04/30/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

## CERTIFICATE HOLDER

## CANCELLATION

Assembly Solutions  
4100 6th Avenue  
Altoona, PA 16602

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Marsh USA LLC*

© 1988-2016 ACORD CORPORATION. All rights reserved.

January 18, 2018

Mr. Jack Wagner  
Alpha Assembly Solutions  
4100 6<sup>th</sup> Avenue  
Altoona, PA 16602

Re: Regulatory Interpretation of Solder Dross, Mixed Lead Scrap Metal and Solder Paste

Dear Mr. Wagner:

This letter is in response to Alpha Assembly Solutions (Alpha) November 28, 2017 request for a regulatory interpretation of solder dross, mixed lead scrap metal and solder paste in the context of the Resource Conservation and Recovery Act. This communication references the Department's previous correspondence of September 19, 2017 and Alpha's inquiry of September 13, 2017. The purpose of this correspondence is to reaffirm a previous letter of regulatory interpretation provided by the Department to then Fry Communications dated November 16, 1999.

Solder dross generally refers to oxidized solder residues resulting from manufacturing processes that utilize solder. The residues are usually generated by skimming the oxidized layer off molten solder in order to keep the remaining solder metal free from impurities and suitable for use. The Department continues to consider solder dross resulting from manufacturing or production processes to be classified as a "byproduct" as defined at 40 CFR § 261.1(c)(3). Byproducts, when reclaimed, are not solid wastes in accordance with 40 CFR § 261.2(c)(3).

Mixed lead scrap covers a variety of bulk solids from various sources. You have indicated that the materials that Alpha currently processes as mixed lead scrap includes solder wire scrap, solder anode butts, solder bar/ingots, etc. The Department concurs with your conclusion that these materials meet the definition of scrap metal at 40 CFR § 261.1(c)(6), and, when recycled, are excluded from regulation as solid wastes at either 40 CFR § 261.4(a)(13) (processed scrap metal) or at 40 CFR § 261.6(a)(3)(ii) (for all other recycled scrap metal not meeting the definition of excluded scrap metal at 40 CFR § 261.4(a)(13)).

Solder paste scrap, according to information provided by Alpha, is a "special formulation of solder powder (nominally 88%) and solder flux (nominally 12 %)." The solder paste scrap results from manufacturing processes that use solder paste and may include containers that held or still hold amounts of solder paste, as well as, rags, wipes and gloves that contain solder paste. The containers are returned to Alpha for a variety of reasons, however, the most prevalent being that the material has surpassed its shelf life, or has simply dried out, rendering it non-usable. The Department considers these solder paste items – rags, wipes, squeegees, etc. that contain solder paste, or the non-usable product - to be unused commercial chemical products. The solder paste contained on and in these items has not yet been used for its intended purpose, even if it



has been applied during manufacturing operations and wiped onto a rag or wipe. This solder paste is being reclaimed as defined 40 CFR § 261.1(c)(4). Commercial chemical products, when reclaimed, are not solid waste in accordance with 40 CFR § 261.1(c)(4).

As always, the regulatory determination made here is based on the information that was provided to the Department by Alpha. Should there be any significant variation in any of the materials involved in either the production, manufacturing, or recycling process, or if the information provided proves to be inaccurate, this regulatory determination may no longer be valid. Also, if any of these materials are speculatively accumulated as defined at 40 CFR § 261.1(c)(8), or if they are abandoned or disposed and not recycled, they will become solid and possibly hazardous wastes.

If you have any additional questions regarding this matter, do not hesitate to contact our office at 717-787-6239.

Sincerely,

A handwritten signature in blue ink, reading "M. Thomas Mellott", with a stylized flourish at the end.

M. Thomas Mellott  
Environmental Program Manager  
Division of Hazardous Waste Management  
Department of Environmental Protection

cc: C. Fleming – SCRO  
G. Mitzel - CO



**Permit No. 2023002**

**INDUSTRIAL USER PERMIT**

In accordance with the provisions of the Altoona Water Authority Resolution No. 17-05-852 known at the Industrial Pretreatment Program Resolution,

Alpha Assembly Solutions, Inc.  
4100 Sixth Avenue  
Altoona, PA 16602

is hereby authorized to discharge industrial wastewater from the above identified facility through the outfalls identified herein into the Altoona Water Authority sewer system, in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulation, standards, or requirements under local, state and federal laws, including any such regulation, standards, requirements, or laws that might become effective during the term of this permit.

Noncompliance with any term or conditions of this permit will constitute a violation of the Altoona Water Authority Resolution No. 17-05-852 known as the Industrial Pretreatment Program Resolution.

**This permit will become effective February 1, 2023 and will expire at midnight January 31, 2026.**

If the permittee wishes to continue to discharge after the expiration date of this permit, an application must be filed for a renewal permit in accordance with the requirements of Section 4 of Resolution No. 17-05-852 known as the Industrial Pretreatment Program Resolution, a minimum of 90 days before the expiration date.

By: Josh Wyandt

Josh Wyandt  
Environmental Services Manager  
Altoona Water Authority

**Issued this 25<sup>th</sup> day of January, 2023**



# ALTOONA WATER AUTHORITY

## TRANSMITTAL LETTER

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Paul G. Robinson, CSP  
EHS Manager  
Alpha Assembly Solutions, Inc.  
4100 Sixth Avenue  
Altoona, PA 16602

RE: Issuance of Industrial User Permit to Alpha Assembly Solutions, Inc. by the Altoona Water Authority. **Permit No. 2023002**

Mr. Robinson,

Your application for an industrial user pretreatment permit has been reviewed and processed in accordance with Section 4 of Resolution No. 17-05-852 known as the Industrial Pretreatment Program Resolution.

The enclosed permit number 2023002 covers the wastewater discharged from the Alpha Assembly Solutions, Inc. facility at 4100 Sixth Avenue in Altoona, PA into the Altoona Water Authority sewer system. All discharges from this facility and actions and reports relating to them must be in accordance with the terms and conditions of this permit.

If you wish to appeal or challenge any conditions imposed in this permit, you must file a petition for modification or reissuance of this permit in accordance Section 5.3 of Resolution No. 17-05-852 known as the Industrial Pretreatment Program Resolution within 10 days of your receipt of this correspondence. Failure to petition for reconsideration of the permit within the allotted time is deemed a waiver by the permittee of its right to challenge the terms of this permit.

By: Josh Wyandt

Josh Wyandt  
Environmental Services Manager  
Altoona Water Authority

**Issued this 25<sup>th</sup> day of January, 2023**

### Wastewater Treatment

144 Westerly Treatment Plant Road • Duncansville, PA 16635 • phone: 814.949.2218 • fax: 814-949-0979  
[www.altoonawater.com](http://www.altoonawater.com)



**Permit No. 2023002**

**INDUSTRIAL USER PERMIT**

In accordance with the provisions of the Altoona Water Authority Resolution No. 17-05-852 known at the Industrial Pretreatment Program Resolution,

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4100 Sixth Avenue  
Altoona, PA 16602

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**This permit will become effective February 1, 2023 and will expire at midnight January 31, 2026.**

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By: Josh Wyandt

Josh Wyandt  
Environmental Services Manager  
Altoona Water Authority

**Issued this 25<sup>th</sup> day of January, 2023**

**Part 1 – Effluent Limitations**

- A. During the period of **February 1, 2023 to January 31, 2026** the permittee is authorized to discharge process, non-process, and sanitary wastewater to the **Altoona Water Authority** sewer system from the outfalls listed below.

Description of outfall(s):

Outfall	Description
001	Outfall 001 is located north of the main office building in the grass field next to 6th Avenue. The sampling point is protected by two steel doors.

- B. During the period of February 1, 2023 to January 31, 2026, the discharge from outfall 001 will be of categorical wastewaters and must comply with the local limits listed below according to Section 2.4 of the Altoona Water Authority Resolution #17-05-852 or the provided 40 CFR categorical limits, whichever is the more stringent limit.

**Local Effluent Limitations (Westerly Facility)**

<b><u>Pollutant/Parameter</u></b>	<b><u>Daily Maximum</u></b>
Antimony –Total	0.117 mg/L
Arsenic –Total	0.150 mg/L
Benzene –Total	0.210 mg/L
Bis (2-Ethylhexyl) Phthalate	0.350 mg/L
Cadmium –Total	0.034 mg/L
Chromium – Total	10.00 mg/L
Copper –Total	0.520 mg/L
Cyanide –Total	0.620 mg/L
Ethylbenzene	0.143 mg/L
Lead –Total	0.380 mg/L
Mercury –Total	0.0047 mg/L
Molybdenum –Total	0.680 mg/L
Nickel –Total	1.450 mg/L
Nitrogen –Ammonia	100 mg/L
Nitrogen –Total	88.0 mg/L
PCB –Total	Non-Detectable
Phenols	0.100 mg/L
Phosphorus –Total	35.0 mg/L
Selenium –Total	0.120 mg/L
Silver –Total	1.09 mg/L
Toluene	139 mg/L
Xylene	12.4 mg/L
Zinc –Total	1.00 mg/L



<b>Parameter/Pollutant</b>	<b>40 CFR 471.11 (f)</b>	<b>40 CFR 471.11 (h)</b>	<b>Local Limits</b>
pH	-	-	6.0 - 10.0
Antimony-Total	4.14 mg/off-kg	0.003 mg/off-kg	0.117 mg/L
Copper-Total	-	-	0.520 mg/L
Lead-Total	0.605 mg/off-kg	0.0004 mg/off-kg	0.38 mg/L
Zinc-Total	-	-	1.00 mg/L
Oil and Grease	28.80 mg/off-kg	0.020 mg/off-kg	-
Solids –Total Suspended	59.10 mg/off-kg	0.041 mg/off-kg	-

<b>Parameter/Pollutant</b>	<b>40 CFR 471.11 (i)</b>	<b>40 CFR 471.11 (j)</b>	<b>Local Limits</b>
pH	-	-	6.0 - 10.0
Antimony-Total	0.085 mg/off-kg	0.107 mg/off-kg	0.117 mg/L
Copper-Total	-	-	0.520 mg/L
Lead-Total	0.013 mg/off-kg	0.016 mg/off-kg	0.38 mg/L
Zinc-Total	-	-	1.00 mg/L
Oil and Grease	0.588 mg/off-kg	0.746 mg/off-kg	-
Solids-Total Suspended	1.21 mg/off-kg	1.53 mg/off-kg	-

- C. The permittee must not discharge wastewater containing any of the following substances from any of the outfalls:
1. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through.
  2. Pollutants that create a fire or explosive hazard in the POTW, including but not limited to waste streams with a closed-cup flashpoint of less than 140 degrees Fahrenheit (60 degrees Centigrade) using the method specified at 40 CFR 261.21.
  3. Wastewater that has a temperature greater than 140 degrees Fahrenheit, or will inhibit biological activity in the treatment plant resulting in interference, but in no case wastewater that causes the temperature at the introduction into the treatment plant to exceed 104 degrees Fahrenheit (40 degrees Celsius).
  4. Solids or viscous substances in amounts that will cause obstruction of flow in the POTW, resulting in interference [but in no case solids greater than 0.5 inches or 1.27 centimeters in any dimension].
  5. Pollutants, including oxygen-demanding pollutants (e.g., BOD), released in discharge at a flow rate and/or concentration that, singly or by interaction with other pollutants, will cause interference with the POTW. For the purpose of this section, the term interference has the same definition as that in the Altoona Water

Authority Resolution #17-05-852.

6. Wastewater having a pH of less than 6.0 or more than 10.0, or otherwise causing corrosive structural damage to the POTW or equipment.
  7. Pollutants that result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that might cause acute worker health and safety problems.
- D. All discharges must comply with all other applicable laws, regulations, standards, and requirements contained in the Altoona Water Authority's Resolution #17-05-852 and any applicable state and federal pretreatment laws, regulations, standards, and requirements, including any such laws, regulations, standards, or requirements that might become effective during the term of this permit.

## **Part 2 – Monitoring Requirements**

- A. All samples must be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR Part 136, and amendments.
- B. Outfall 001 will be sampled, at minimum, weekly.
- C. From the period beginning with the effective date of this permit until January 31, 2026, the permittee must monitor outfall 001 for the following parameters, at the indicated frequency:

### **Compliance Monitoring**

<b>Parameter</b>	<b>Location</b>	<b>Frequency</b>	<b>Sample Type</b>	<b>Limits</b>
pH (standard units)	001	Weekly	Grab	6 – 10 S.U.
Antimony – Total	001	Quarterly	24 hour composite	0.117 mg/L
Copper – Total	001	Quarterly	24 hour composite	0.520 mg/L
Lead – Total	001	Weekly	24 hour composite	0.380 mg/L
Zinc – Total	001	Weekly	24 hour composite	1.00 mg/L

### **Surcharge Purposes**

<b>Parameter</b>	<b>Location</b>	<b>Frequency</b>	<b>Sample Type</b>	<b>Limits</b>
BOD – 5 Day	001	Weekly	24 hour composite	300 mg/L
COD	001	Weekly	24 hour composite	600 mg/L
Solids – Total Suspended	001	Weekly	24 hour composite	300 mg/L
Oil and Grease	001	Weekly	Grab	100 mg/L

**Notes:**

- a. The above parameters will be tested by the Altoona Water Authority for verification sampling in addition to Alpha Assembly Solutions, Inc. sampling events.
- b. The following parameters: BOD, COD, Solids – Total Suspended, and Oil & Grease, will be analyzed for surcharge purposes.
- c. The live quarterly flow of Alpha Assembly Solutions, Inc. will be used for surcharge purposes.
  1. Surcharge fees will be calculated as an average between AWA and self-monitoring results on a quarterly basis.

**Part 3 – Reporting Requirements**

**A. Monitoring Reports**

1. Monitoring results obtained must be summarized and reported on an Industrial User Monitoring Report Form or a form provided by an accredited laboratory.
2. Reports for parameters with a continuous monitoring frequency must be submitted quarterly. The reports are due within 30 days after the end of each quarter. The first quarterly report is due no later than April 30, 2023.
3. All monitoring reports must indicate the nature and concentration of all pollutants in the effluent for which sampling and analysis were performed during the reporting period preceding the submission of each report.

**B. Certification Statements**

The permittee is required to sign and submit the following certification statement, or a similar statement that has been approved by the Environmental Services Manager of the Altoona Water Authority, with all monitoring reports:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, 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.”

C. Required Notification

The Permittee is required to notify the Altoona Water Authority immediately if any of the following occurs at their facility:

1. The concentrations of any of the Local Limit Pollutants are expected to increase in the discharge from your facility due to changes that occur in the permittee's operations.
2. A discharge of 30,000 gallons per day, or greater, for an extended period of time.

- D. If the permittee monitors any pollutant more frequently than required by this permit, using test procedures prescribed in 40 CFR Part 136 or amendments thereto, or otherwise approved by the U.S. Environmental Protection Agency (EPA) or as specified in this permit, the results of such monitoring must be included in any calculation of actual daily maximum or monthly average pollutant discharge, and results must be reported in the monthly report submitted to the Altoona Water Authority. Such an increased monitoring frequency must also be indicated in the monthly report.

E. Automatic Resampling

If the results of the permittee's wastewater analysis indicate that a violation of this permit has occurred, the permittee must do the following:

1. Inform the Altoona Water Authority of the violation within 24 hours, and
2. Repeat the sampling and pollutant analysis and submit, in writing, the results of this second analysis within 30 days of becoming aware of the first violation.

F. Accidental Discharge Report

The permittee must notify the Altoona Water Authority immediately upon the occurrence of spills, including accidental discharges, discharges of a non-routine, episodic nature, a non-customary batch discharge, slug loads or slug discharges that might cause potential problems for the POTW or spills that might enter the public sewer. During normal business hours, 7:00 to 15:00, the Altoona Water Authority should be notified by telephone at the number (814) 949-2218 extension 2209. If the accidental discharge occurs outside the normal hours a message should be left at the same number provided above, that includes the following information: location; date and time; type of waste, including concentration and volume; and corrective actions taken. The permittee's notification of accidental releases in accordance with this section does not relieve it of other reporting requirements that arise under local, state, or federal laws.

Within **5** days following an accidental discharge, the permittee shall submit to the Altoona Water Authority a detailed written report. The report must specify the following:

1. Description and cause of the upset, slug load, or accidental discharge; the cause thereof; and the impact on the permittee's compliance status. The description should also include location of discharge and type, concentration, and volume of waste.
2. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.
3. All steps taken or to be taken to reduce, eliminate, and/or prevent recurrence of such an upset, slug load, accidental discharge, or other conditions of noncompliance.

G. Discharge of Hazardous Waste

The Altoona Water Authority prohibits the discharge of all hazardous waste to the POTW or their Wastewater Treatment Facilities. Any waste under 40 CFR Part 261 shall be labeled as hazardous.

If any new regulations are made under section 3001 of the Resource Conservation and Recovery Act identifying additional characteristics of hazardous waste or listing any additional substance as hazardous waste that would therefore directly affect the permittee's current discharge, the permittee must notify the Environmental Services Manager at the Altoona Water Authority immediately.

- H. All reports required by this permit must be submitted to the Altoona Water Authority at the following address:

Altoona Water Authority  
Attention: Josh Wyandt  
Environmental Services Manager  
144 Westerly Treatment Plant Road  
Duncansville, PA 16635-7814

**Part 4 – Slug Discharge Control Requirements**

The permittee is required to submit and implement a slug discharge control plan within 90 days of the effective date of this permit. The slug discharge control plan must include, at a minimum, the following: **(Spill Prevention, Control and Countermeasure and Preparedness Prevention and Contingency Plans were submitted with application)**

1. Description of discharge practices, including non-routine batch discharges.
2. Description of stored chemicals.

3. Procedures for immediately notifying the Altoona Water Authority of slug discharges that would violate a prohibition under 40 CFR 403.5 (b), with procedures for follow-up, written notification within 5 days.
4. Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants and measures and equipment for emergency response.

#### **Part 5 – Standard Conditions**

Read and understand the attached Standard Conditions of the Altoona Water Authority Resolution #17-05-852. These Standard Conditions contain information and instructions on standard sampling protocols and procedures. They also contain standard information relating to permit handling and rights and responsibilities.



APPENDIX A:  
STANDARD CONDITIONS FOR PERMITS

## STANDARD CONDITIONS FOR PERMITS

### SECTION A—GENERAL CONDITIONS AND DEFINITIONS

#### 1. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, will not be affected thereby and will continue in full force and effect.

#### 2. DUTY TO COMPLY

The permittee must comply with all conditions of this permit. Failure to comply with the requirements of this permit may be grounds for administrative action or enforcement proceedings including civil or criminal penalties, injunctive relief, and summary abatements.

#### 3. DUTY TO MITIGATE

The permittee must take all reasonable steps to maintain or correct any adverse impact to the public treatment plant or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

#### 4. PERMIT MODIFICATION

The office of the Environmental Services Manager may modify the permit for good cause, including but not limited to, the following reasons:

- A. To incorporate any new or revised federal, state, or local pretreatment standards or requirements;
- B. To address significant alterations or additions to the permittee's operation, processes, or wastewater volume or character since the time of the individual wastewater discharge permit issuance;
- C. A change in any process or discharge condition in either the Industrial User or the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;
- D. Information indicating that the permitted discharge poses a threat to the Control Authority's collection and treatment systems, POTW personnel or the receiving waters;
- E. Violation of any terms or conditions of the permit;

- F. Misrepresentation or failure to disclose fully all relevant facts in the permit application or in any required reporting;
- G. Revision of or a grant of variance from such categorical standards pursuant to 40 CFR § 403.13;
- H. To correct typographical or other errors in the permit;
- I. To reflect transfer of the facility ownership and/or operation to a new owner or operator; or
- J. Upon request of the permittee, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

## 5. PERMIT TERMINATION

This permit may be terminated for the following reasons:

- A. Failure to notify the Environmental Services Manager of significant changes to the wastewater before the changed discharge;
- B. Failure to provide prior notification to the Environmental Services Manager of changed conditions;
- C. Misrepresentation or failure to fully disclose all relevant facts in the wastewater discharge permit application;
- D. Falsifying self-monitoring reports or certification statements;
- E. Tampering with monitoring equipment;
- F. Refusing to allow timely access to the facility premises and records;
- G. Failure to meet effluent limitations;
- H. Failure to pay fines;
- I. Failure to pay sewer charges;
- J. Failure to meet compliance schedules;
- K. Failure to complete a wastewater survey or the wastewater discharge permit

application;

- L. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or
- M. Violation of any Pretreatment Standard or Requirement including required best management practices, or any terms of the wastewater discharge permit or the sewer use ordinance.

## 6. PERMIT APPEALS

The permittee may petition to appeal the terms of this permit within thirty days of the notice.

This petition must be in writing; failure to submit a timely petition for review will be deemed to be a waiver of the administrative appeal. In its petition, the permittee must indicate the permit provisions objected to, the reasons for this objection, and the alternative condition, if any, it seeks to be placed in the permit.

The effectiveness of this permit will not be stayed pending the appeal. If the Environmental Services Manager fails to act within thirty days, a request for reconsideration will be deemed to be denied. Decisions not to reconsider a permit, not to issue a permit, or not to modify a permit will be considered final administrative actions for purposes of judicial review.

Aggrieved parties seeking judicial review of the final administrative individual wastewater discharge permit decision must do so by filing a complaint with the Court of Common Pleas of Blair County, Pennsylvania, for review within the appropriate statute of limitations period.

## 7. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any violation of federal, state, or local laws or regulations.

## 8. LIMITATION ON PERMIT TRANSFER

Permits may be reassigned or transferred to a new owner or operator with prior approval of the Environmental Services Manager and the following items occur:

- A. The permittee must give at least thirty days advance notice to the Environmental Services Manager.
- B. The notice to the Environmental Services Manager must include a written certification by the new owner or operator that does the following:

- (1) States that the new owner or operator has no immediate intent to change the facility's operations and processes;
- (2) Identifies the specific date on which the transfer is to occur; and
- (3) Acknowledges full responsibility for complying with the existing permit.

C. The Environmental Services Manager approves the permit transfer.

#### 9. DUTY TO REAPPLY

The permittee must apply for permit reissuance by submitting a complete permit application, in accordance with the Altoona Water Authority Rules and Regulations and related procedures a minimum of ninety days prior to the expiration of the existing permit.

#### 10. CONTINUATION OF EXPIRED PERMITS

An expired permit will continue to be effective and enforceable until the permit is reissued if:

- A. The permittee has submitted a complete permit application at least ninety days prior to the expiration date of the user's existing permit.
- B. The failure to reissue the permit, prior to expiration of the previous permit, is not due to any act or failure to act on the part of the permittee.

#### 11. DILUTION

A permittee must not ever increase the use of potable or process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The Environmental Services Manager may impose mass limitations on permittees who are using dilution to meet applicable Pretreatment Standards or Requirements, or in other cases when the imposition of mass limitations is appropriate.

#### 12. DEFINITIONS

These Standard Conditions for Permits incorporate by reference the definitions set forth in the Authority's Industrial Pretreatment Resolution. In addition, the following terms shall have the meanings set forth below:

- A. *Composite Sample*—A sample that is collected over time, formed either by continuous sampling or by mixing discrete samples. The sample may be composited either as a time composite sample composed of discrete sample

aliquots collected in one container at constant time intervals providing representative samples irrespective of stream flow; or as a flow proportional composite sample collected either as a constant sample volume at time intervals proportional to stream flow, or collected by increasing the volume of each aliquot as the flow increases while maintaining a constant time interval between the aliquots.

- B. *Daily Maximum*—The arithmetic average of all effluent samples for a pollutant collected during a calendar day.
- C. *Daily Maximum Limit*—The maximum allowable discharge limit of a pollutant during a calendar day. Where daily maximum limits are expressed in units of mass, the daily discharge is the total mass discharged over the course of the day. Where daily maximum limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.
- D. *Grab Sample*—An individual sample collected in less than fifteen minutes, without regard for flow or time.
- E. *Instantaneous Maximum Concentration*— The maximum limit allowable concentration of a pollutant determined from the analysis of any discrete or composited sample collected independent of the industrial flow rate and the duration of the sampling event.
- F. *Cooling Water*
  - (1) *Uncontaminated*—Water used for cooling purposes only that has no direct contact with any raw material, intermediate, or final product and that does not contain a level of contaminants detectably higher than that of the intake water.
  - (2) *Contaminated*—Water used for cooling purposes only that might become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides, or by direct contact with process materials or wastewater.
- G. *Monthly Average*—The arithmetic mean of the values for effluent samples collected during a calendar month or specified thirty-day period (as opposed to a rolling thirty-day window).
- H. *Weekly Average*—The arithmetic mean of the values for effluent samples collected over a period of seven consecutive days.
- I. *Bi-Weekly*—Once every other week.



- J. *Bi-Monthly*—Once every other month.
- K. *Upset*—An exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee, excluding such factors as operational error, improperly designed or inadequate treatment facilities, or improper operation and maintenance or lack thereof.
- L. *Bypass*—The intentional diversion of wastes from any portion of a treatment facility.

### 13. GENERAL PROHIBITIVE STANDARDS

The permittee must comply with all of the general prohibitive discharge standards in the Altoona Water Authority Rules and Regulations and related procedures. Namely, the industrial user must not discharge:

- A. Wastewater having a temperature which will inhibit biological activity in the treatment plant resulting in Interference, but in no case wastewater which causes the temperature at the introduction into the treatment plant to exceed 104 degrees Fahrenheit (40 degrees Celsius);
- B. Fats, oils, or greases of animal or vegetable origin in concentrations which will cause Interference or Pass Through;
- C. Pollutants which create a fire or explosive hazard in the POTW, including, but not limited to, wastestreams with a closed-cup flashpoint of less than 140 degrees Fahrenheit (60 degrees Celsius) using the test methods specified in 40 C.F.R. § 261.21;
- D. Solid or viscous substances in amounts which may cause obstruction of the flow in the POTW resulting in Interference, such as, but not limited to, grease, garbage with particles greater than one-half inch in any dimension, animal guts or tissues, paunch manure, bones, hair, hides or fleshings, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar, asphalt residues, residues from refining or processing of fuel or lubricating mud, or glass grinding or polishing wastes;
- E. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin, in amounts that will cause Interference or Pass Through;
- F. Wastewater having a pH less than 6.0 or higher than 11.0, or otherwise causing corrosive structural damage to the POTW or equipment;
- G. Pollutants that result in the presence of toxic gases, vapors, or fumes within the

POTW in a quantity that could cause acute worker health and safety problems;

- H. Noxious or malodorous liquids, gases, solids, or other wastewater that, either singly or by interaction with other wastes, are sufficient to create a public nuisance or hazard to life, or to prevent entry into the sewers for maintenance or repair;
- I. Sludges, screenings, or other residues from the pretreatment of industrial wastes;
- J. Any substance that could affect the treatment plant's effluent and cause violation of the National Pollutant Discharge Elimination System permit requirements;
- K. Any substance that would cause the treatment plant to be in noncompliance with sludge use, recycle or disposal criteria pursuant to guidelines or regulations developed under section 405 of the Clean Water Act, the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act, or other regulations or criteria for sludge management and disposal as required by the state;
- L. Wastewater that imparts color that cannot be removed by the treatment process, such as dye wastes and vegetable tanning solutions that consequently imparts color to the treatment plant's effluent, thereby violating the Altoona Water Authority's National Pollutant Discharge Elimination System permit;
- M. Medical Wastes or Industrial Wastes, except as specifically authorized by the Environmental Services Manager in a permit;
- N. Stormwater, surface water, ground water, artesian well water, roof runoff, subsurface drainage, swimming pool drainage, condensate, deionized water, Noncontact Cooling Water, and unpolluted wastewater, unless specifically authorized by the Environmental Services Manager;
- O. Wastewater causing, alone or in conjunction with other sources, the treatment plant's effluent to fail toxicity test;
- P. Detergents, surface-active agents, or other substances that that might cause excessive foaming in the POTW;
- Q. Wastewater containing any radioactive wastes or isotopes except in compliance with applicable state or federal regulations; or
- R. Pollutants, including oxygen-demanding pollutants (BOD, and the like) released in a discharge at a flow rate or pollutant concentration that, either singly or by interaction with other pollutants, will cause Interference with the POTW.

14. COMPLIANCE WITH APPLICABLE PRETREATMENT STANDARDS AND REQUIREMENTS

Compliance with this permit does not relieve the permittee from its obligations regarding compliance with any and all applicable local, state and federal Pretreatment Standards and requirements including any such standards or requirements that might become effective during the term of this permit.

SECTION B—OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. PROPER OPERATION AND MAINTENANCE

The permittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes the following: effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

2. DUTY TO HALT OR REDUCE ACTIVITY

Upon reduction of efficiency of operation, or loss or failure of all or part of the treatment facility, the permittee must, to the extent necessary to maintain compliance with its permit, control its production or discharges (or both) until operation of the treatment facility is restored or an alternative method of treatment is provided. Such a requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced. It will not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with this permit.

3. BYPASS OF TREATMENT FACILITIES

Bypass is prohibited:

- A. Unless the bypass is unavoidable to prevent loss of life, personal injury, or severe property damage.
- B. Unless there were no feasible alternatives, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance.

- C. The permittee may allow bypass to occur if it does not cause effluent limitations to be exceeded but only if it is also for essential maintenance to assure efficient operation.
- D. Notification of bypass
  - (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it must submit prior written notice, at least ten days before the date of the bypass, to the Altoona Water Authority.
  - (2) Unanticipated bypass. The permittee must notify the Altoona Water Authority within twenty-four hours from the time it becomes aware of an unanticipated bypass and submit a written notice to the POTW within five days. This report must specify:
    - (a) A description of the bypass, and its cause, including its duration with exact dates and times;
    - (b) Whether the bypass has been corrected and if the bypass has not been corrected, the anticipated time it is expected to continue; and
    - (c) The steps being taken or to be taken to reduce, eliminate, and prevent a reoccurrence of the bypass.

#### 4. REMOVED SUBSTANCES

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters must be disposed of in accordance with section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act, in addition to any and all state and local regulations that may apply.

### SECTION C—MONITORING AND RECORDS

#### 1. REPRESENTATIVE SAMPLING

Samples and measurements taken as required herein must be representative of the volume and nature of the monitored discharge. All samples must be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water or substance. All equipment used for sampling and analysis must be routinely calibrated, inspected and maintained to ensure their accuracy. Monitoring points must not be changed without notification to and the approval of the Altoona Water Authority.

2. FLOW MEASUREMENTS

If flow measurement is required by this permit, the appropriate flow measurement devices and methods consistent with approved scientific practices must be selected and used to ensure the accuracy and reliability of measurement of the volume of monitored discharges. The devices must be installed, calibrated, and maintained to ensure that the accuracy of the measurements is consistent with the accepted capability of that type of device. The devices selected must be capable of measuring flows with a maximum deviation of less than 10% from true discharge rates throughout the range of expected discharge volumes.

3. ANALYTICAL METHODS TO DEMONSTRATE CONTINUED COMPLIANCE

All sampling and analysis required by this permit must be performed in accordance with the techniques prescribed in 40 C.F.R. Part 136 and amendments thereto, otherwise approved by EPA, or as specified in this permit.

4. ADDITIONAL MONITORING BY THE PERMITTEE

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures identified in Section C.3, the results of this monitoring must be included in the permittee's self-monitoring reports.

5. INSPECTION AND ENTRY

The permittee must allow the Altoona Water Authority, or an authorized representative or federal and state personnel, upon the presentation of proper identification, to do the following:

- A. Enter the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
- B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit;
- D. Sample or monitor, for the purposes of assuring permit compliance, any substances or parameters at any location; and
- E. Inspect any production, manufacturing, fabricating, or storage area where pollutants, regulated under the permit, could originate, be stored, or be discharged to the sewer system.

## 6. RETENTION OF RECORDS

- A. The permittee must retain records of all monitoring information including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample, measurement, report, or application. This period may be extended by request of the Altoona Water Authority at any time.
- B. The permittee must retain and preserve all records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the Altoona Water Authority until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

## 7. RECORD CONTENTS

Records of sampling and analyses must include the following:

- A. The date, exact place, time, and methods of sampling or measurements, and sample preservation techniques or procedures;
- B. Who performed the sampling or measurement;
- C. The date(s) analyses were performed;
- D. Who performed the analyses;
- E. The analytical techniques or methods used; and
- F. The results of such analyses.

## 8. FALSIFYING INFORMATION

Knowingly making any false statement on any report or other document required by this permit or knowingly rendering any monitoring device or method inaccurate, is a crime and may result in the imposition of criminal sanction or civil penalties or both.

## SECTION D—ADDITIONAL REPORTING REQUIREMENTS

### 1. PLANNED CHANGES

The permittee must give notice to the Altoona Water Authority ninety days before any facility expansion, production increase, or process modifications that results in new or substantially increased discharges or a change in the nature of the discharge.



2. ANTICIPATED NONCOMPLIANCE

The permittee must give advance notice to the Altoona Water Authority of any planned changes in the permitted facility or activity that could result in noncompliance with permit requirements.

3. AUTOMATIC RESAMPLING

If the results of the permittee's wastewater analysis indicate a violation has occurred, the permittee must notify the Altoona Water Authority within twenty-four hours of becoming aware of the violation and repeat the sampling and pollutant analysis and submit, in writing, the results of that repeat analysis within thirty days after becoming aware of the violation.

4. DUTY TO PROVIDE INFORMATION

The permittee must furnish to the Altoona Water Authority within ten days, any information that the Altoona Water Authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee must also, upon request, furnish to Altoona Water Authority with two copies of any records required to be kept by this permit.

5. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Altoona Water Authority must contain the following certification statement and be signed as required in Sections (a), (b), (c), or (d) below.

"I certify under penalty of law that this document and the attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for the gathering of the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

A. By a responsible corporate officer, if the Industrial User submitting the reports is a corporation. For the purpose of this paragraph, a responsible corporate officer means either of the following:

- (1) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or

- (2) The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- B. By a general partner or proprietor if the Industrial User submitting the reports is a partnership or sole proprietorship, respectively.
- C. The principal executive officer or director having responsibility for the overall operation of the discharging facility if the Industrial User submitting the reports is a federal, state, or local governmental entity, or their agents.
- D. By a duly authorized representative of the individual designated in paragraph (a), (b), or (c) of this section if:
  - (1) the authorization is made in writing by the individual described in paragraph (a), (b), or (c);
  - (2) the authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the Industrial Discharge originates, such as the position of plant manager, operator of a well, or a well field superintendent, or a position of equivalent responsibility, or having overall responsibility of environmental matters for the company; and
  - (3) the written authorization is submitted to the Altoona Water Authority.
- E. If an authorization under paragraph (d) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for the environmental matters for the company, a new authorization satisfying the requirements of paragraph (d) of this section must be submitted to the Altoona Water Authority before or together with any reports to be signed by an authorized representative.
- F. OPERATING UPSETS

Any permittee that experiences an upset in operations that places the permittee in a temporary state of noncompliance with the provisions of either this permit or with the Altoona Water Authority's industrial pretreatment resolution must inform the Altoona

Water Authority within twenty-four hours of becoming aware of the upset at 814-949-2218 ext. 2202 or 814-949-2218 after 3 p.m. Monday–Friday or weekends and holidays.

A written follow-up report of the upset must be filed by the permittee with the Altoona Water Authority within five days. The report must specify the following:

- A. Description of the upset, the cause(s) thereof and the upset's impact on the permittee's compliance status;
- B. Duration of noncompliance, including exact dates and times of noncompliance, and if not corrected, the anticipated time the noncompliance is expected to continue; and
- C. All steps taken or to be taken to reduce, eliminate, and prevent recurrence of such an upset.

The report must also demonstrate that the treatment facility was being operated in a prudent and workmanlike manner.

A documented and verified operating upset must be an affirmative defense to any enforcement action brought against the permittee for violations attributable to the upset event.

#### G. ANNUAL PUBLICATION

A list of all industrial users that were in significant noncompliance during the twelve previous months must be annually published by the Altoona Water Authority in a newspaper of general circulation that provides meaningful public notice within the jurisdiction served by Altoona Water Authority Easterly and Westerly WWTFs. Accordingly, the permittee is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name in an appropriate newspaper in accordance with this section.

#### H. CIVIL AND CRIMINAL LIABILITY

Nothing in this permit may be construed to relieve the permittee from civil and/or criminal penalties for noncompliance.

A permittee who has violated, or continues to violate, any provision of the Altoona Water Authority's sewer use resolution, a permit or order, or any other Pretreatment Standard or Requirement will be liable to Altoona Water Authority for a maximum civil penalty of \$25,000 per violation, per day. If a monthly or other long-term average discharge limit is in effect, penalties will accrue for each day during the period of the violation.

The office of the Environmental Services Manager may recover reasonable attorneys' fees, court costs, and other expenses associated with enforcement activities, including

sampling and monitoring expenses, and the cost of any actual damages incurred by the Altoona Water Authority.

In determining the amount of civil liability, the Court will take into account all relevant circumstances, including the extent of harm caused by the violation, the magnitude and duration of the violation, any economic benefit gained through the permittee's violation, corrective actions by the permittee, the compliance history of the permittee, and any other factor as justice requires.

Filing a suit for civil penalties will not be a bar against, or a prerequisite for, taking any other action against the permittee.

#### I. RECOVERY OF COSTS INCURRED

In addition to civil and criminal liability, the permittee violating any of the provisions of this permit or the Altoona Water Authority's industrial pretreatment resolution or causing damage to or otherwise inhibiting the Altoona Water Authority wastewater disposal system will be liable to the Altoona Water Authority for any expense, loss, or damage caused by such violation or discharge. The Altoona Water Authority may also recover the costs for any cleaning, repair, or replacement work caused by the violation or discharge. Refusal to pay the assessed costs will constitute a separate violation of the Altoona Water Authority's rules and regulations.

APPENDIX B:  
PENALTY ASSESSMENT MATRIX

## PENALTY ASSESSMENT MATRIX

This section explains the manner by which users who violate the provisions of the Authority's pretreatment program may be penalized. More specifically, this section provides an explanation on the use of Table A: Response Guide for Violation and Table B: Violation Response Guide.

Table A indicates how point values are assigned for each violation with consideration to the severity, duration, degree of harm, and compliance history of the owner. All possible violations may not be listed; however, this does not preclude an appropriate enforcement response at the discretion of the Authority.

Table A contains three columns titled Initial Points, Repeat Value, and Cumulative.

- If no history of violations is noted, the value under the column "Initial Points" may be used in conjunction with Table B to assess a typical response to the violation.
- If the user has a history of similar violations, the initial point value plus the product of the number of previous occurrences times the repeat value should be used as shown in the following formula:

Total Point Value (TP) =  $P + (N \times R)$ , where:

P = Initial Point Value for a single violation

N = Number of previous occurrences

R = Repeat Value from Table A

Once a point value is determined, Table B should be consulted for recommended responses. Table B provides a schedule of appropriate responses based upon the number of "points" determined by Table A.

Example:

An owner violates the terms of the Industrial Pretreatment Resolution by discharging plating compound with a pH > 11.0. This violation is considered significant and causes harm. Investigation reveals the user failed to obtain a discharge permit but is classified as a categorical user, Metal Finisher. This is a violation of the Industrial Pretreatment Resolution. This is the first time the user has been cited for the same violation. The formula is Total Point Value (TP) =  $P + (N \times R)$ . Therefore:

Failure to obtain permit: TP =  $2 + (0 \times 1) = 2$ , where:

2 = Points charged for failure to obtain permit from Table A

0 = Number of previous occurrences

1 = Repeat value from Table A.

Unauthorized discharge:  $TP = 3 + (0 \times 1) = 3$

3 = Points discharging harmful compound and is aware of requirement

0 = Number of previous occurrences

1 = Repeat value from Table A

Total points = 5. Thus, the owner will be subjected to an administrative order and fine of up to \$2,000.

**Violation Response Guide - Table B**

Points	Action	Fine, maximum*
1	Warning letter	\$1,000
2	Notice of violation	\$1,000
3	Notice of violation	\$1,500
4	Administrative Order	\$2,000
5	Administrative Order	\$2,500
6	Administrative Order	\$3,000
7	Administrative Order	\$3,500
8+	Criminal investigation/prosecution and/or termination of service	\$5,000 plus \$1,000 for each additional point up to a maximum of \$25,000

**\*Maximum Fine is per violation per day. In addition to fine, remediation cost may be charged to violator.**



**Violation of Fine Schedule - Table A**

<b>Description of Violation</b>	<b>Initial Points</b>	<b>Repeat Value</b>
<b>Unauthorized Discharges – No Permit</b>		
IU not previously provided requirement, no harm to POTW	1	1
IU previously provided requirement, no harm to POTW	2	2
IU not previously provided requirement, harm to POTW	2	1
IU previously provided requirement, harm to POTW	3	2
Failure to comply continues after notice by Authority	4	3
Failure to obtain discharge permit prior to discharge	2	1
<b>Discharge Limit Violation</b>		
Isolated, no harm to POTW or environment	1	1
Reoccurring, no harm to POTW or environment	2	2
Isolated, harm to POTW or environment	3	2
Reoccurring, harm to POTW or environment	4	3
After ten days and no proper response shown	5	3
Reoccurring, significant harm to POTW or environment	5	3
<b>Non-Compliance Reporting</b>		
Report less than 30 days late	2	2
Report late 30 days or more	3	2
No report	4	3
Failure to report spill or changed discharge, harm to POTW or environment	4	3
Falsifying reports	5	3
Improper sampling, unintentional	1	1
Improper sampling, intentional	3	2
<b>Non-Compliance Permit Violations</b>		
Dilution of waste stream in lieu of treatment	3	3
Failure to mitigate noncompliance or halt production which results in harm to POTW or environment	3	2
Failure to properly operate and maintain pretreatment facility which results in harm to POTW or environment	3	2
<b>Violations Detected During Inspection</b>		
Illegal discharge, no harm to POTW or environment	2	2
Illegal discharge, harm to POTW or environment	3	2
<b>Recordkeeping</b>		
Files incomplete or missing	1	1
Failure to report additional monitoring	1	1

## INDUSTRIAL USER PERMIT FACT SHEET

### Sampling Requirements and Effluent Limits

- A. The wastewater discharged from all IUs shall be sampled and analyzed, at minimum, for Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Suspended Solids (TSS) and Oil & Grease (O&G, HEM, NPM, TPH) quarterly. All analysis must conform to 40 CFR Part 136.
- B. Exceedances of the following limits will incur a surcharge. Please note that limits are subject to change.

1. Surcharge limits:

Parameter	Limit
Biochemical Oxygen Demand	300 mg/L
Chemical Oxygen Demand	600 mg/L
Total Suspended Solids	300 mg/L
Oil & Grease	100 mg/L

2. Surcharge Formula/Calculation:

$$\text{Surcharge} = \text{Surcharge Value} \times \text{Constant} \times \text{Surcharge Fee} \times \text{Flow}$$

Surcharge Value = Result from analysis exceeding limits
Constant = 8.34 (Weight in pounds of 1 gallon of water)
Surcharge Fee = Price per pound (AWA Fees and Rates)
Flow = Actual quarterly water usage from facility (MGD)

Example: (Assuming 100,000 gallons usage for 1 quarter)

Parameter	Limits (mg/L)	Results (mg/L)	Surcharge Value (mg/L)	Constant (lbs/gal)	Surcharge Fee (\$/lb)	Flow (MGD)	Total Surcharge
BOD	300	500	200	8.34	\$0.15	0.10	\$25.02
COD	600	1000	400	8.34	\$0.10	0.10	\$33.36
TSS	300	2000	1700	8.34	\$0.10	0.10	\$141.78
O&G	100	200	100	8.34	\$0.30	0.10	\$25.02

$$\text{BOD} = 200 \text{ mg/L} \times 8.34 \text{ lbs/gal} \times \$0.15/\text{lb} \times 0.10 \text{ MGD} = \$25.02$$

$$\text{COD} = 400 \text{ mg/L} \times 8.34 \text{ lbs/gal} \times \$0.10/\text{lb} \times 0.10 \text{ MGD} = \$33.36$$

$$\text{TSS} = 1700 \text{ mg/L} \times 8.34 \text{ lbs/gal} \times \$0.10/\text{lb} \times 0.10 \text{ MGD} = \$141.78$$

$$\text{O\&G} = 100 \text{ mg/L} \times 8.34 \text{ lbs/gal} \times \$0.30/\text{lb} \times 0.10 \text{ MGD} = \$25.02$$



**PAG-03**  
**AUTHORIZATION TO DISCHARGE UNDER THE**  
**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)**  
**GENERAL PERMIT FOR DISCHARGES OF**  
**STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITY**

**NPDES PERMIT NO: PAG033739**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.*, and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

**Alpha Assembly Solutions**  
**4100 6th Avenue**  
**Altoona, PA 16602-1523**

(permittee) is authorized to discharge from a facility known as **Alpha Assembly Solutions Altoona** (facility), located in **Altoona City, Blair County**, to **Unnamed Tributary to Mill Run (WWF, MF)** in Watershed(s) **11-A** in accordance with the effluent limitations, monitoring and reporting requirements, best management practices (BMPs) and other conditions set forth in Parts A, B, and C and Appendix(ces) **B** herein.

**APPROVAL OF COVERAGE TO DISCHARGE UNDER THIS GENERAL NPDES PERMIT IS AUTHORIZED BEGINNING ON SEPTEMBER 1, 2023 AND WILL EXPIRE ON MARCH 23, 2028. WHEN THE GENERAL PERMIT IS RENEWED, REISSUED OR MODIFIED, THE FACILITY OR ACTIVITY COVERED BY THE APPROVAL FOR COVERAGE MUST COMPLY WITH THE FINAL RENEWED, REISSUED OR MODIFIED GENERAL PERMIT.**

Coverage and authorization to discharge under the PAG-03 NPDES General Permit ("General Permit") is subject to the following conditions:

1. The permittee shall comply with the terms and conditions of the PAG-03 NPDES General Permit, including the monitoring and reporting requirements contained in Part A, the standard conditions in Part B, the special conditions in Part C, and the applicable appendix or appendices for all discharges of stormwater from the facility.
2. If the permittee believes a conflict exists between the requirements in the NOI or its supporting documents and the terms and conditions of the PAG-03 NPDES General Permit, the permittee shall comply with the terms and conditions of the General Permit.
3. The permittee's failure to comply with the terms, conditions, or effluent limitations of the PAG-03 NPDES General Permit is grounds for DEP to take an enforcement action, or to terminate or revoke coverage under this General Permit.
4. This PAG-03 NPDES General Permit does not authorize construction or modification of treatment facilities necessary to meet the terms and conditions of this General Permit.

**The aforementioned approval is authorized by:**

**Scott M. Arwood PE for**  
**Maria D. Bebenek, P.E.**  
**Clean Water Program Manager**  
**Southcentral Regional Office Department of Environmental Protection**



## PAG-03

# **AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR DISCHARGES OF STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITY**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*, the Department of Environmental Protection (DEP) hereby authorizes, subject to the terms and conditions contained in this General Permit, the discharge of stormwater associated with industrial activity to surface waters of the Commonwealth. This General Permit authorizes discharges to surface waters in accordance with monitoring and reporting requirements, BMPs and other conditions set forth in Parts A, B and C and the applicable appendix or appendices herein.

An eligible discharger may not commence a new discharge under this General Permit until the all of the following conditions have been met:

1. The discharger has submitted a complete NOI in accordance with the requirements of this General Permit, using the NOI form provided by DEP (3800-PM-BCW0083b); and
2. The discharger has received a signed copy of this General Permit from DEP authorizing coverage under this General Permit.

DEP may deny coverage under this General Permit and require submission of an application for an individual permit based on a review of the NOI or other relevant information, including monitoring data. DEP will notify applicants of this denial and requirement to submit an application for an individual permit in writing.

## **SCOPE**

This PAG-03 General Permit is intended to provide NPDES permit coverage for discharges of stormwater associated with industrial activity, as defined at 40 CFR § 122.26(b)(14) (excluding §§ 122.26(b)(14)(iii) for mineral industry, 122.26(b)(14)(ix) for sewage treatment works and 122.26(b)(14)(x) for stormwater associated with construction activity), and other industrial stormwater discharges that may be required to obtain a permit under Pennsylvania's Clean Streams Law. An industrial facility that already has or is required to obtain an individual NPDES permit for non-stormwater discharges may not use the PAG-03 General Permit for coverage of its stormwater discharges, as the stormwater discharges are incorporated into the individual permit. An industrial facility whose non-stormwater discharges are not already covered by an individual permit may be eligible for General Permit coverage if the non-stormwater discharges are limited to those listed in Part C I.B. of this General Permit and the sector-specific non-stormwater discharges identified in the applicable appendix.

This PAG-03 General Permit contains Parts A, B and C, which apply to all facilities, and appendices that are sector-specific. Table 1 of the NOI Instructions (3800-PM-BCW0083a) identifies the PAG-03 appendices, the standard industrial classification (SIC) codes and industrial activities that are subject to the requirements in those appendices, and the source of the requirement for NPDES permit coverage (or otherwise No Exposure Certification). Facilities whose primary industrial activities do not fall within the SIC codes of a given appendix, but the activities are nonetheless similar, may be specified by DEP as needing to comply with that appendix.

## NOI REQUIREMENTS

### Deadlines for NOI

A facility seeking coverage under this PAG-03 NPDES General Permit shall submit an administratively complete and acceptable NOI at least 60 days prior to the planned date for commencing any new discharge. Regardless of the planned commencement date, a facility may not commence any new discharge until it has received a signed copy of this General Permit from DEP authorizing coverage under this General Permit. A facility authorized to discharge stormwater under an individual NPDES permit and seeking coverage under this General Permit may continue to discharge in accordance with the individual permit while DEP reviews the NOI and associated documents for coverage under this General Permit.

For facilities with existing coverage under the PAG-03 General Permit (effective September 24, 2016), an NOI to remain covered under the reissued PAG-03 (effective March 24, 2023) must be received by March 23, 2023.

### Contents of the NOI

The discharger shall submit the information and attachments required by this General Permit and the NOI form provided by DEP and shall sign the NOI in accordance with the requirements of 25 Pa. Code § 92a.22 (relating to signatories to permit applications and reports) and 40 CFR § 122.22.

### Where to Submit the NOI

The NOI shall be submitted to the DEP regional office that has jurisdiction over the county where the facility is located (visit [www.dep.pa.gov](http://www.dep.pa.gov) and select "Regional Resources").

### DISCHARGES NOT AUTHORIZED BY THIS GENERAL PERMIT

The following discharges are not authorized under this General Permit, and DEP will deny coverage under this General Permit when one or more of the following conditions exist:

1. Stormwater discharges that, individually or in combination with other similar discharges, are or have the potential to be a contributor of pollution, as defined in the Pennsylvania Clean Streams Law, which are more appropriately controlled under an individual permit. (25 Pa. Code § 92a.54(e)(1))
2. The discharger is not, or will not be, in compliance with any one or more of the conditions of the General Permit. (25 Pa. Code § 92a.54(e)(2))
3. Stormwater discharges proposed by a person responsible for other activities regulated by DEP who has failed and continues to fail to comply or has shown a lack of ability or intention to comply with a regulation, permit, schedule of compliance or order issued by DEP. (25 Pa. Code § 92a.54(e)(3))
4. Stormwater discharges that contain pollutants for which a change has occurred in the availability of demonstrated technology or practices for the control or abatement of the pollutants. (25 Pa. Code § 92a.54(e)(4))
5. Stormwater discharges for which categorical point source effluent limitations are promulgated by the U.S. Environmental Protection Agency (EPA) and other sector-specific prohibited discharges identified in the appendices to this General Permit. (25 Pa. Code § 92a.54(e)(5))
6. Stormwater discharges that are not in compliance or will not result in compliance with an applicable effluent limitation or water quality standard. (25 Pa. Code § 92a.54(e)(6))
7. Stormwater discharges from a facility for which an individual permit is required for other point source discharges, and issuance of both an individual permit and authorization for coverage under a General Permit for the facility would constitute an undue administrative burden on DEP. (25 Pa. Code § 92a.54(e)(7))
8. Stormwater discharges that DEP determines require an individual NPDES permit to ensure compliance with the Federal Clean Water Act, the Pennsylvania Clean Streams Law or DEP regulations. 25 Pa. Code § 92a.54(e)(8))

9. Stormwater discharges directly to surface waters classified as High-Quality Waters (HQ) or Exceptional Value Waters (EV) under 25 Pa. Code Chapter 93 (relating to Water Quality Standards). (25 Pa. Code § 92a.54(e)(9))
10. Stormwater discharges containing toxic or hazardous pollutants as defined in sections 307 and 311 of the Clean Water Act (33 U.S.C. §§ 1317 and 1321), or any other substance which, because of its quantity, concentration or physical, chemical or infectious characteristics, may cause or contribute to an increase in mortality or morbidity in either an individual or the total population, or pose a substantial present or future hazard to human health or the environment when discharged into surface waters. (25 Pa. Code § 92a.54(a)(5))
11. Stormwater discharges that individually or cumulatively have the potential to cause or contribute to a violation of an applicable water quality standard established under 25 Pa. Code Chapter 93 (relating to water quality standards) or cause significant adverse environmental impact. (25 Pa. Code § 92a.54(a)(7))
12. Stormwater discharges to impaired waters (with or without an approved Total Maximum Daily Load (TMDL)) where the discharges contain or are expected to contain pollutants at concentrations that have the potential to cause or contribute to the impairment, stormwater discharges that are subject to a Wasteload Allocation (WLA) in a TMDL, and discharges that are inconsistent with the assumptions and requirements of a TMDL.
13. Stormwater discharges that would adversely affect a listed endangered or threatened species or its critical habitat. (25 Pa. Code § 92a.12(c))
14. Stormwater discharges from a facility covered by an individual permit when coverage under the General Permit would result in less stringent effluent limitations or terms and conditions.
15. Non-stormwater discharges and stormwater discharges containing pollutants that are intentionally introduced by the permittee, unless specifically authorized by DEP in writing.
16. Stormwater discharges associated with construction activity as defined in 40 CFR § 122.26(b)(14)(x) or 40 CFR § 122.26(b)(15); stormwater discharges associated with mineral extraction activity as defined in 40 CFR § 122.26(b)(14)(iii); and stormwater discharges associated with treatment works treating domestic sewage as defined in 40 CFR § 122.26(b)(14)(ix).
17. Stormwater discharges that occur at new or existing facilities with cooling water intake structures as defined in 40 CFR §§ 125.81 and 125.91, respectively.
18. Stormwater discharges where one or more of the sector-specific discharge prohibitions apply, as identified in the appendices to the General Permit.

**THE AUTHORITY GRANTED BY THIS GENERAL PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:**

1. DEP may require a permittee with a discharge or discharges authorized by this General Permit to apply for and obtain an individual NPDES permit by notifying the permittee in writing that an individual NPDES permit application is required. Any interested person may petition DEP to require an individual NPDES permit for a discharge authorized under this General Permit.

DEP's notice that an individual permit application is required will include the following:

- A brief statement of the reason(s) for this decision;
- An individual NPDES permit application form;
- A deadline for the owner or operator to submit the application;
- A statement that the permittee's failure to submit an individual NPDES permit application by the required deadline will result in termination of the permittee's authorization to discharge under this General Permit; and
- A statement that on the effective date of the individual permit, coverage under this General Permit shall automatically terminate.

2. Any person authorized to discharge by this General Permit may request to be excluded from the coverage of this General Permit by applying for an individual NPDES permit.
3. This General Permit does not authorize the discharge of any waste streams other than stormwater associated with industrial activity and authorized non-stormwater discharges listed in Part C I.B.
4. When DEP issues an individual NPDES permit for a discharge or discharges covered by this General Permit, the applicability of this General Permit is automatically terminated on the effective date of the individual permit. If DEP denies an individual permit for a discharge or discharges covered by this General Permit, DEP will advise in writing as to whether the discharger is authorized or is not authorized to continue discharging under this General Permit.
5. This General Permit is effective for a term not to exceed five years and will expire on the date specified below. If DEP modifies this General Permit during its current term, a permittee with approved coverage under this General Permit may, upon submission of an NOI, continue to discharge in accordance with the terms and conditions of the modified General Permit. If DEP reissues this General Permit, a permittee with approved coverage under this General Permit shall submit an NOI to continue coverage under the reissued General Permit.
6. To modify or reissue this General Permit, DEP will publish a notice in the *Pennsylvania Bulletin* of a draft General Permit and provide a 30-day public comment period. After the comment period, DEP will publish notice of the final modified or reissued General Permit in the *Pennsylvania Bulletin*. The permittee shall submit an NOI to continue discharging under this General Permit and shall comply with the final modified or reissued General Permit. If the permittee is unable to comply with the modified or reissued General Permit, the permittee shall submit an application for an individual permit within 90 days of publication of the final General Permit. (25 Pa. Code § 92a.84)
7. If a discharge approved for coverage under this General Permit subsequently exhibits a condition that renders the discharge ineligible for coverage (see "Discharges Not Authorized by this General Permit", above), the permittee promptly shall take action to restore eligibility, to notify DEP in writing of the condition, and, if eligibility cannot be restored, to submit an individual NPDES permit application to DEP. DEP will terminate coverage under this General Permit if potential or actual adverse impacts to water quality occur as a result of the permittee's discharge(s).
8. No condition of this General Permit releases the permittee from any responsibility or requirements under other federal or Pennsylvania environmental statutes or regulations or local ordinances.

General Permit  
(PAG-03) Issued

By

  
\_\_\_\_\_  
Director  
Bureau of Clean Water

Effective March 24, 2023

Expires March 23, 2028



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: March 26, 2024

Effective Date: May 1, 2024

Expiration Date: April 30, 2029

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 07-03034

Natural Minor

Federal Tax Id - Plant Code: 06-1008504-1

Owner Information

Name: ALPHA ASSEMBLY SOLUTIONS

Mailing Address: 4100 6TH AVE  
ALTOONA, PA 16602-1523

Plant Information

Plant: ALPHA ASSEMBLY SOLUTIONS/ALTOONA

Location: 07 Blair County 07001 Altoona City

SIC Code: 3341 Manufacturing - Secondary Nonferrous Metals

Responsible Official

Name: JIM KACHMAR

Title: DIR OF MFG & SUPPORT

Phone: (814) 940 - 6717

Email: Jim.kachmar@alphaassembly.com

Permit Contact Person

Name: PAUL ROBINSON

Title: EHS MANAGER

Phone: (814) 940 - 6737

Email: paul.robinson@MacdermidAlpha.com

[Signature]

*William R. Weaver*

WILLIAMR. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WASTE MANAGEMENT**General Permit  
For  
Processing/Beneficial Use of Residual Waste**Permit No. WMGR081SC008

Date Amended \_\_\_\_\_

Date Issued August 29, 2024Date Expires April 22, 2034

The Department of Environmental Protection, Bureau of Waste Management, Division of Municipal and Residual Waste hereby approves the:

☒ Beneficial Use      ☒ Processing prior to Beneficial Use      ☐ Other

of: uncontaminated and source-separated electronic devices by disassembling,  
mechanical processing (by sizing, shaping, separating and volume reduction only),  
and associated storage prior to reuse or recycling at the processing or transfer facility

for: reuse or recycling by salvaging metals, plastics, glass and electronic or metal  
components

This approval is granted to: Alpha Assembly Solutions, Inc.  
4100 6<sup>th</sup> Avenue  
Altoona, PA 16602

subject to the attached conditions and may be revoked or suspended for any project which the Department of Environmental Protection determines to have a substantial risk to public health, the environment, or cannot be adequately regulated under the provisions of this permit.

The processing of wastes not specifically identified in the documentation submitted for this approval, or the beneficial use of wastes not approved in this permit, is prohibited without the written permission of the Department.

This permit is issued under the authority of the Solid Waste Management Act (35 P.S. §§6018.101-6018.1003), The Pennsylvania Used Oil Recycling Act (58 P.S. §§471-480), The Clean Streams Law (35 P.S. §§691.1-691.1001), Sections 1905-A, 1917-A and 1920-A of the Administrative Code of 1929 (71 P.S. §§510-5, 510-17 and 510-20) and the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P.S. §§4000.101-4000.1904).

This approval is granted:

By: Carrie A. Fleming

☒ Statewide      ☐ Regional

Title: Environmental Program Manager

THIS PERMIT IS NON-TRANSFERABLE

Page 1 of 12

# ALPHA Metal Reclamation Services

## Pre - Audit Package

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macdermidalpha.com  
April 2022

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SCAN THE CODE  
to know more

For more information, contact us at  
[Assembly@MacDermidAlpha.com](mailto:Assembly@MacDermidAlpha.com)