CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Case Management
401 East State Street
P.O. Box 028
Trenton, NJ 08625-0028
Phone #: 609-633-1455
Fax #: 609-633-1439

BOB MARTIN
Commissioner

April 27, 2010

Robert D. Neilson, Environmental Manager
Aluminum Shapes, L.L.C.
9000 River Road
Delair, New Jersey 08110

NOTICE OF DEFICIENCY

Re: Supplemental Remedial Investigation Work Plan
Site Specific Impact to Ground Water Soil Cleanup Criteria
Hexavalent Chromium
Aluminum Shapes L.L.C.
Pennsauken, Camden County
SRP PI# 005314

Dear Mr. Neilson:

The New Jersey Department of Environmental Protection (the Department) acknowledges receipt on December 31, 2008, of the Supplemental Remedial Investigation Work Plan submitted pursuant to the Memorandum of Agreement (MOA) effective on July 1, 1993, and amended on July 7, 2007, the Spill Compensation & Control Act at N.J.S.A. 58:10-23.11 et seq. (Spill Act), and the Technical Requirements for Site Remediation at N.J.A.C. 7:26E (Tech Rule).

The purpose of this Supplemental Remedial Investigation Work Plan (RIWP) is to develop a site specific impact to ground water soil cleanup criteria (IGW SCC) for hexavalent chromium, using the Synthetic Precipitation Leaching Procedure (SPLP). Once the IGW SCC is determined, it will be used in the delineation of hexavalent chromium (Cr^{+6}) at the site, and will also help to determine whether active remediation is required.

Deficiencies
The Department has completed its review of your submittal and identified the following deficiencies:

N.J.A.C.7:26E-2.1(a) 16(i) Full Data Deliverables shall be submitted for all hexavalent chromium soil sample results.

Section 5.1.1 of the RIWP proposes reduced deliverables data packages for all non-terminal hexavalent chromium samples. This is not acceptable. All soil samples for

hexavalent chromium require full data deliverables as per the above citation, both in the IGW SCC determination and the subsequent delineation which will use this criterion.

The methodology for determination of the IGWSCC for Cr^{+6} does not comply with the present guidance for the SPLP test. The submitted methodology analyzes for total chromium. Then if the concentration exceeds the more stringent of newly developed IGW SCC, or the non-residential inhalation standard of Cr^{+6}, the appropriate sample will be analyzed for Cr^{+6} using USEPA SW-846, Method 3060 A/ 7196. This is also unacceptable.

Corrective Actions

To correct these deficiencies please take the following actions or make the required submittals within the timeframes indicated:

1. AOC-1 and AOC-2 are the locations of former concrete chromic acid baths structures used for aluminum etching purposes. Both etching bath locations remain completely enclosed within buildings. The valence state of chromium in chromic acid (H_2CrO_4) is hexavalent. Discharges to the subsurface occurred from these baths. Aluminum Shapes LLC (Aluminum Shapes) proposes developing the IGWSCC using only soil borings from AOC-1 due to lack of access at AOC-2. This is acceptable. Samples collected for the Synthetic Precipitation Leachate Procedure (SPLP), must be taken over as broad a range of concentrations as possible. This is because Cr^{+6} is mobile. As a consequence it is possible that a sample pattern biased towards higher concentrations will fail the SPLP test. Moreover, having as many samples as practical from a wide range of concentrations will provide robust data that will provide Aluminum Shapes appropriate site specific IGWSCC for delineation purposes.. All soil samples for the SPLP test must be in the vadose zone and always above the water table.

2. The RIWP does not specify the size of the samples for the SPLP test. It is essential that the sample be large enough for the SPLP test (100g.) plus the total analysis for Cr^{+6} in soil (~ 25g. typically). The sample is first split. Then one sample is analyzed for total Cr^{+6}in soil via alkaline extraction by Method 3060A followed by analysis of the extract via Method 7199 (ion chromatography) or 7196A (colorimetric). The larger portion of the sample (100g) is submitted for SPLP testing, using the synthetic rainfall Leachate. After the leaching experiment is concluded, the resultant leachate is also analyzed via Method 7199 or 7196A, either being acceptable. Note that the alkaline extraction is only used for total Cr^{+6} analyses in the soil matrix, so it should not be of concern that the alkaline extraction fluid is more aggressive than the synthetic rain leachate. To obtain the IGW SCC the total Cr+6 in soil is compared to SPLP-leached Cr^{+6}.

3. All soil and leachate samples for hexavalent chromium require full data deliverables as per the above citation, both during in the IGW SCC determination and the subsequent delineation which will use this criterion.

Note that in an acidic environment Cr+6 is reduced. Lower oxidation states of chromium are less soluble in water and precipitation leachate. Measuring for total chromium will bias the results higher for Cr+6 than they really are during the delineation, and also will give the impression that soils are less leachable than they actually are. By measuring directly for Cr^{+6} these opposite confounders will be eliminated.

Details for the most up to date guidance for the use of SPLP for developing of site specific IGWSCC is provided on the following website:
http://www.nj.gov/dep/srp/_guidance.pdf

To expedite the commencement of field activities, Aluminum Shapes need only provide a letter supplement to the original work plan agreeing to the requirements provided in this letter, no later than thirty days from the date of receipt of this correspondence. The timeframe schedule of the original December 2008 Supplemental RIWP is acceptable. The proposed IGW SCC should be provided to the Department 60 to 90 days from the date of receipt of this letter, in accordance with the schedule provided by Aluminum Shapes.

Note that if deficiencies included herein are not addressed to the Department's satisfaction within the specified time period the Department may terminate the MOA pursuant to N.J.A.C. 7:26C-3.3(c)2-4. Subsequent to MOA termination the Department may initiate enforcement action pursuant to the Spill Compensation and Control Act.

If you require copies of Department Guidance Documents or applications, many of these are available on the internet http://www.state.nj.us/dep/srp. If you have any questions regarding this matter please call me at (609) 777-4101, or via email at James.denoble@dep.state.nj.us, prior to the date indicated.

Prepared by,

James P. De Noble

James P. De Noble, MS Case Manager
Bureau of Case Management

Reviewed by

Roman Luzecky, Section Chief
Bureau of Case Management

cc: Robert Lentine, Camden County HD
Honorable Mayor Rick Taylor, Pennsauken TWP
Gene Padalino, Clerk Pennsauken TWP
John Adams, Planning Office
Monica Mac Hugh, Roux Associates
Ron Poustchi, BEERA
Paul Sanders, BEERA
David Morrow, BGWPA

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

1222 FOREST PARKWAY, SUITE 190
WEST DEPTFORD, NEW JERSEY 08066
856 423-8600 FAX 856 423-3220

5

January 26, 2012

New Jersey Department of Environmental Protection
Office of Community Relations
401 East State Street, 6th Floor
P.O. Box 413
Trenton, New Jersey 08625-0413

Re: Public Notification for Off-Site Contamination
Aluminum Shapes: 9000 River Road, Pennsauken, New Jersey 08110
Tax Block: 1903; Lots: 1 & 4
NJDEP SRP PI No.: 005314

To Whom It May Concern:

On behalf of Aluminum Shapes, Roux Associates, Inc. (Roux Associates) has sent notification letters of remedial work being conducted at the above-referenced site to owners and occupants of properties located within 200 feet of the property boundary and 200 feet of confirmed offsite groundwater impact. Per N.J.A.C. 7:26E-1.4(i)5, an electronic copy and a paper copy of the notification letter, list of recipients, and Certificate of Mailing forms are enclosed. In addition, a fact sheet providing further information has been distributed to owners and occupants of properties located within 200 feet of the property boundary, and a display advertisement of the fact sheet was published in a local newspaper. Per N.J.A.C. 7:26E-1.4(k)6, copies of the fact sheet, a recipient list, and a copy of the newspaper display advertisement are enclosed.

A copy of this letter and enclosures are also being provided to the NJDEP case manager, municipal clerk, and local health officials as required by N.J.A.C. 7:26E-1.4(i)5 and 7:26E-1.4(k)6.

If you have any questions or require additional information, please feel free to contact the undersigned at your earliest convenience.

Sincerely,
ROUX ASSOCIATES, INC.

Gregory D. Martin, P.G.
Principal Hydrogeologist/Vice President

cc: Mr. James DeNoble – NJDEP Case Manager
Robert J. Smith – Health Officer, Camden County Department of Health and Human Services
Township of Pennsauken Municipal Clerk

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

1222 FOREST PARKWAY, SUITE 190
WEST DEPTFORD, NEW JERSEY 08066
856 423-8800 FAX 856 423-3220

January 18, 2012

Via Certificate of Mailing

Ron Jones
8447 River Road
Pennsauken, New Jersey 08110

Re: Notification and Public Outreach Fact Sheet
Aluminum Shapes: 9000 River Road, Pennsauken, New Jersey 08110
Tax Block: 1903; Lots: 1 & 4
NJDEP SRP PI No.: 005314

Dear Neighbor:

On behalf of Aluminum Shapes, LLC (Aluminum Shapes), Roux Associates, Inc. is providing you with the enclosed Fact Sheet for the above-referenced property in accordance with the New Jersey Department of Environmental Protection (NJDEP) regulations for "Notification and Public Outreach" (N.J.A.C. 7:26E-1.4). The work is being done under a Memorandum of Agreement between Aluminum Shapes and the NJDEP.

Should you have any questions, feel free to contact Roux Associates at 856-423-8800. Alternatively, you can contact the NJDEP's Office of Community Relations at 609-984-3081.

Respectfully,
ROUX ASSOCIATIES, INC.

Gregory Martin /PD

Gregory Martin
Principal Hydrogeologist/Vice President

Enclosure

cc: NJDEP Office of Public Relations
Robert Neilson – Aluminum Shapes, LLC

Date Prepared: January 18, 2012

FACT SHEET

Site Information

- Name: Aluminum Shapes
  Business Names: Aluminum Shapes, LLC
- Address: 9000 River Road
  Pennsauken, New Jersey 08110
- County: Camden
- Tax Block: 1903
- Tax Lots: 1 & 4
- NJDEP SRP PI No: 005314

Contact Information for Party Conducting the Remediation

- Name: Gregory Martin*
- Address: Roux Associates, Inc.
  1222 Forest Parkway, Suite 190
  West Deptford, New Jersey 08066
- Phone Number: 856-423-8800
- E-Mail Address: gmartin@rouxinc.com

* Environmental consultant conducting investigation on behalf of Aluminum Shapes, LLC, the "person responsible for conducting the remediation."

Contact Information for the Office of Community Relations

Division of Remediation Support
New Jersey Department of Environmental Protection
401 E. State St. 6th floor
PO Box 413
Trenton, New Jersey 08625-0413
Attention: Office of Community Relations

Site History

The Aluminum Shapes facility is located on a 40-acre property located at 9000 River Road, in an industrial/commercial area of Pennsauken, New Jersey. Extruded aluminum products are manufactured and warehoused at the Site. The Site contains an aluminum foundry, presses for the manufacturing of extruded aluminum products, a paint line, warehouse space, offices, a scrap metal storage area, two waste water treatment plants, parking areas, and storage buildings. The Site is bordered to the northeast, east, and southeast by the Pennsauken Sanitary Landfill, to the south by railroad tracks and John Tipton Boulevard, and to the west by River Road.

Prior to 1957, lot 4 was undeveloped. In 1957, Aluminum Shapes purchased the property, constructed manufacturing facilities and began manufacturing operations. The activities conducted at the Site since 1957 have included smelting of aluminum alloys, the production of aluminum billets, the production of extruded aluminum products, machining of extruded aluminum products, finishing of aluminum products, packaging of products for sale, and warehousing of aluminum products.

Prior to 1963, lot 1 was undeveloped. In 1963, Desoto, Inc. purchased the property and began construction of a paint manufacturing facility. From 1964 to 1982, Desoto, Inc. produced solvent-based and water-based paints. In 1971, Desoto, Inc. began the production of dry solid detergents. Desoto, Inc. ceased operations in 1982 and the property was sold to Aluminum Shapes in 1984. This parcel is currently used for storage. A solar panel field, formerly a truck trailer parking area, is located in the eastern portion of the parcel. A paved, employee parking lot is located just north of the eastern portion of the warehouse facility. Railroad tracks are present along the southern boundary of the parcel.

In July 1993, Aluminum Shapes entered into a Memorandum of Agreement (MOA) with the NJDEP to conduct a chromium remedial investigation (RI) at the Site. In March of 2002, the results of the RI were submitted to the NJDEP in the *Chromium Remedial Investigation Report* prepared by Advanced Environmental Solutions, LLC. Additional RI activities were conducted by Roux Associates between the Spring of 2003 and Winter of 2005. Results of Roux Associates' RI activities were submitted to the NJDEP in the *Supplemental Chromium Remedial Investigation Report* dated July 5, 2005. Additional soil and groundwater RI activities are currently being conducted by Roux Associates.

Description of Contamination

Presented below is a summary of the constituents of concern (COCs) detected in soil and groundwater, which exceed the NJDEP remediation standards.

Below are the COCs detected in soil that exceed NJDEP's most stringent Soil Remediation Standards (SRS). All soil samples were collected within the fenced property from beneath paving or the concrete floor of buildings.

Soil Contaminant	Concentration Range (mg/kg) [1]	NRDC SRS (mg/kg) [2]
Chromium	<1 – 6,320	20
Hexavalent Chromium, Cr+6	<1 – 2,570	20

Notes:
mg/kg = milligrams per kilogram
1. COC concentrations detected in soil between October 1999 and August 2010.
2. NJDEP NRDC SRS N.J.A.C. 7:26D.

Below are the COCs detected in groundwater that exceed the NJDEP's Ground Water Quality Standards (GWQS).

Groundwater Contaminant	Concentration Range (µg/l) [1]	GWQS (µg/l) [2]
Chromium	<1 – 782	70
Hexavalent Chromium, Cr+6	<1 – 730	70

Notes:
µg/l = micrograms per liter
1. COC concentrations detected in groundwater between May 2002 and December 2011.
2. NJDEP GWQS, N.J.A.C. 7:9C.

Affected Environmental Media: Soil and Groundwater

Extent of Contamination
COCs in soil occur beneath the manufacturing building. The full extent of which have not been delineated to date.

The extent of the COCs in the groundwater has been delineated in all directions except on a commercial property to the southwest of the site. Further delineation activities are currently on-going to delineate the possible migration of any COCs from the Site in groundwater.

Date Contamination was identified: 1988

Source of Contamination
The potential source of chromium/hexavalent chromium impacts on the Site were from the presence of a chromic acid collection vaults located in the interior of the manufacturing building. The vaults collected liquids that were released from the reservoirs or dripped from aluminum parts as they passed over the vault.

List of Online Resources for Information about the Contaminants
Chromium and Hexavalent Chromium, Cr^{+6}: http://www.atsdr.cdc.gov/tfacts7.pdf

Actions Taken to Minimize Off-Site Contamination
The chromic acid collection vault was removed from service and the location was backfilled with soil and a concrete floor was placed over the vault location. In addition, Aluminum Shapes has discontinued the use of a chromium coating solution in the painting process. The potential source areas are located beneath impervious areas (concrete and buildings) and overland flow or precipitation is not a concern.

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New Jersey Department of Environmental Protection
Site Remediation Program

PUBLIC NOTIFICATION AND OUTREACH
☒ Non-LSRP (Existing Cases) ☐ LSRP ☐ Subsurface Evaluator

Date Stamp
(For Department use only)

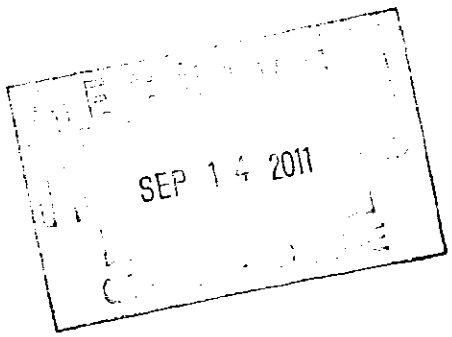
SECTION A. SITE LOCATION

Site Name: Aluminum Shapes, LLC
List all AKAs:
Street Address: 9000 River Road
Municipality: Pennsauken (Township, Borough or City)
County: Camden Zip Code: 08110
Mailing Address if different than street address:
Program Interest (PI) Number(s): 005314 Case Tracking Number(s):
Date trigger compliance with Section 30 of Site Remediation Reform Act PL:
State Plane Coordinates for a central location at the site: Easting: 339552.585 Northing: 420544.959
Municipal Block(s) and Lot(s): Block # 1903 Lot # 4

Block #	1903	Lot #	1	Block #		Lot #	
Block #		Lot #		Block #		Lot #	
Block #		Lot #		Block #		Lot #	
Block #		Lot #		Block #		Lot #	

SECTION B. NOTIFICATION INFORMATION

1. Was public notification provided:
   Via sign? ☐ Yes ☒ No Via fact sheet? ☐ Yes ☒ No
   Via letter? ☒ Yes ☐ No Via newspaper? ☐ Yes ☒ No
2. Were materials produced in a language other than English? ☐ Yes ☒ No
   If "Yes," in what other language was notification prepared?
3. Was notification of excess fill material conducted pursuant to N.J.A.C. 7:26E-1.4(k)? ☐ Yes ☒ No
4. Was notification conducted using an Alternative Plan pursuant to N.J.A.C. 7:26E-1.4(o) or (p)? ☐ Yes ☒ No
5. Did you provide an electronic copy of all required submittals? ☒ Yes ☐ No
6. Did you provide copies to the municipality and local health department? ☒ Yes ☐ No
7. Was additional public outreach conducted pursuant to N.J.A.C. 7:26E-1.4(q)? ☐ Yes ☒ No



Scanned
sent to
BLO / FD.

SECTION C. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Aluminum Shapes, LLC

Representative First Name: Ted Representative Last Name: Riddle

Title: CEO

Phone Number: (856) 662-5500 Ext: NA Fax: (856) 662-5673

Mailing Address: 9000 River Road

City/Town: Pennsauken State: NJ Zip Code: 08110

Email Address: triddle@SHAPESLLC.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: 9/6/11

Name/Title: Ted Riddle/CEO **No Changes Since Last Submittal** ☒

SECTION D. NON-LSRP SITE REMEDIATION PROFESSIONAL STATEMENT

First Name: Monica Last Name: McHugh

Phone Number: (856) 423-8800 Ext: NA Fax: (856) 423-3220

Mailing Address: 1222 Forest Parkway, Suite 190

City/Town: West Deptford State: NJ Zip Code: 08066

Email Address: mmchugh@rouxinc.com

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

Signature: [signature] Date: 9/7/11

Name/Title: Monica McHugh/Senior Geologist **No Changes Since Last Submittal** ☒

Company Name: Roux Associates, Inc.

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

1222 FOREST PARKWAY, SUITE 190
WEST DEPTFORD, NEW JERSEY 08066
856 423-8800 FAX 856 423-3220

August 29, 2011

Sent via Certificate of Mailing

Mr. Ron Jones
8447 River Road
Pennsauken, New Jersey 08110

Re: Notification of Ongoing Environmental Work
Aluminum Shapes, LLC
9000 River Road, Pennsauken, New Jersey

Dear Neighbor:

On behalf of Aluminum Shapes, LLC (Aluminum Shapes), located at 9000 River Road, Pennsauken, New Jersey (Block 1903, Lots 1 and 4), we are writing to inform you that we are conducting a remedial investigation to address contamination that has been found on this property. This notification is made in accordance with the Public Notification Rule, N.J.A.C. 7:26E-1.4(g). The work is being done under a Memorandum of Agreement between Aluminum Shapes and the New Jersey Department of Environmental Protection (NJDEP). The NJDEP Preferred Identification No. for the site is 005314.

This investigation is prompted by the presence of chromium, which has been found in the soil and groundwater at the property. An investigation of the source and extent of the chromium contamination is currently underway.

During the course of the investigation, we will provide periodic updates about our progress. Copies of our reports will be made available to Pennsauken Township officials, upon request, as well as filed with NJDEP. Should you have any questions regarding the work, you can contact me at (856) 423-8800. In addition, you may contact the NJDEP Office of Community Relations at 609-984-3081.

We expect the work we are doing to continue to progress smoothly. In the meantime, we will continue to work efficiently and responsibly as we proceed with these remedial efforts.

Sincerely,

Monica McHugh
Senior Hydrogeologist

cc: Robert Neilson – Aluminum Shapes, LLC

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMUNITY RIGHT TO KNOW SURVEY FOR 2009

For State and Federal Community Right to Know Reporting

Facility ID: **91039200000** CoMu: **0427** NAIC: **331316** (A) Facility Location:

ALUMINUM SHAPES LLC
9000 RIVER RD
PENNSAUKEN, NJ 08110

9000 RIVER RD
PENNSAUKEN, NJ 08109

(B) Does this facility **Produce, Store,** or **Use** Environmental Hazardous Substance on Table A:

1. In any quantity? Yes (X) ( ) No

2. Above thresholds? Yes (X) ( ) No

(C) Facility Status: **Active**

Business Activity: **MELT, EXTRUDE, FABRICATE, ANODIZE & PAINT ALUMINUM**

(D) Number of employees at facility: **373**

(E) Number of facilities in New Jersey: **1**

(F) Federal EIN: [redacted]

(G) If you are claiming an R&D lab exemption for this facility, enter your approval number here.

No R&D lab exemption

(H) (Reserved)

(I) FACILITY EMERGENCY CONTACT:

Name: **ROBERT NEILSON** Title: **EH&S MANAGER**

Facility Phone Number: **(856) 662-5500** Emergency Contact Phone: **(856) 662-5500**

(J) CERTIFICATION OF OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE – I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Signature: _____ Date: 2/5/2010 Phone #: **(856) 662-5500**

Name: **JOHN STANLEY** Title: **V P OPERATIONS**

Email: **JOHN.STANLEY@SHAPESLLC.COM**

(Please sign and date. Mail copies to your local Police, Fire departments, county lead agency and local emergency planning committee.)

(K) UNION REPRESENTATIVE

Union Name/Local #: **TEAMSTERS #837** Email:

Name: **Mark Drayton** Phone #: **(856) 662-5500**

Legend

CONTAINER CODES AND DESCRIPTIONS

BA Bag
BG Bottles or jugs (glass)
BN Tote bin
BP Bottles or jugs (plastic)
BT Battery
BX Box
CB Carboy
CN Can
CY Cylinder
DF Fiber drum
DP Plastic drum
DS Steel drum
EE ELECTRICAL EQUIPMENT
HV HVAC EQUIPMENT
OT Other (describe)
RC Railcar
SI Silo
TA Above ground tank
TB Below ground tank
TI Tank inside building
TW Tank wagon

INVENTORY RANGE CODES

20 10 million pounds or greater
19 1,000,000 to 9,999,999 pounds
18 500,000 to 999,999 pounds
17 100,000 to 499,999 pounds
16 25,000 to 99,999 pounds
15 10,000 to 24,999 pounds
14 1,000 to 9,999 pounds
13 500 to 999 pounds
12 100 to 499 pounds
11 10 to 99 pounds
10 1 to 9 pounds
09 Less than 1 pound

STORAGE TEMPERATURE AND PRESSURE CODES

Pressure

01 Ambient* pressure
02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic condition (less than -200 C)

* Ambient means "normal", "surrounding," or "room" conditions

ALUMINUM SHAPES LLC

9000 RIVER RD
PENNSAUKEN, NJ 08109

PART 2
2009 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2009

SUBSTANCE DESCRIPTION	HAZARDS	INVENTORY INFORMATION
Name: ALUMINUM DROSS	( ) Fire	Container type OT (BIN)
Substance Number:	( ) Sudden release of pressure	Max. daily inventory 16
CAS Number:	(X) Reactive	Avg. daily inventory 15
DOT Number:	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	( ) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: (X)	**Location(s)** FOUNDRY	
Name: AMMONIA	( ) Fire	Container type TA
Substance Number: 0084	(X) Sudden release of pressure	Max. daily inventory 14
CAS Number: 7664-41-7	( ) Reactive	Avg. daily inventory 14
DOT Number: 1005	(X) Acute health effects	Days on site 365
Pure (X) or Mixture ( )	(X) Chronic health effects	Storage pressure 02
Solid ( ) Liquid (X) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** REAR OF BUILDING 4, OUTSIDE	
Name: ARGON	( ) Fire	Container type TA
Substance Number: 0151	(X) Sudden release of pressure	Max. daily inventory 16
CAS Number: 7440-37-1	( ) Reactive	Avg. daily inventory 15
DOT Number:	(X) Acute health effects	Days on site 365
Pure (X) or Mixture ( )	( ) Chronic health effects	Storage pressure 02
Solid ( ) Liquid (X) or Gas ( )	( ) None per MSDS	Storage temperature 07
Trade Secret: ( ) EPCRA Only: (X)	**Location(s)** FOUNDRY	
Name: CHROMIUM	( ) Fire	Container type BA
Substance Number: 0432	( ) Sudden release of pressure	Max. daily inventory 14
CAS Number: 7440-47-3	( ) Reactive	Avg. daily inventory 14
DOT Number:	( ) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** FOUNDRY	

ALUMINUM SHAPES LLC

9000 RIVER RD
PENNSAUKEN, NJ 08109

PART 2
2009 CHEMICAL INVENTORY REPORT

Reporting Period: January 1 - December 31, 2009

SUBSTANCE DESCRIPTION	HAZARDS	INVENTORY INFORMATION
Name: HYDROFLUORIC ACID ^ +	( ) Fire	Container type DP
Substance Number: 3759	( ) Sudden release of pressure	Max. daily inventory 12
CAS Number: 7664-39-3	(X) Reactive	Avg. daily inventory 11
DOT Number: 1790	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid ( ) Liquid (X) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** HAZMAT STORAGE BUILDING, BUILDING 7	
Name: LEAD	( ) Fire	Container type BT
Substance Number: 1096	( ) Sudden release of pressure	Max. daily inventory 13
CAS Number: 7439-92-1	( ) Reactive	Avg. daily inventory 13
DOT Number:	( ) Acute health effects	Days on site 365
Pure (X) or Mixture ( )	(X) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** PLANT WIDE	
Name: MAGNESIUM	(X) Fire	Container type QT (PALLET)
Substance Number: 1136	( ) Sudden release of pressure	Max. daily inventory 15
CAS Number: 7439-95-4	( ) Reactive	Avg. daily inventory 15
DOT Number:	( ) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	( ) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: (X)	**Location(s)** FOUNDRY	
Name: MANGANESE	( ) Fire	Container type BA
Substance Number: 1155	( ) Sudden release of pressure	Max. daily inventory 14
CAS Number: 7439-96-5	( ) Reactive	Avg. daily inventory 14
DOT Number:	( ) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** FOUNDRY	

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PART 2
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SUBSTANCE DESCRIPTION	HAZARDS	INVENTORY INFORMATION
Name: 1,2,4-TRIMETHYLBENZENE	(X) Fire	Container type DS
Substance Number: 2716	( ) Sudden release of pressure	Max. daily inventory 13
CAS Number: 95-63-6	( ) Reactive	Avg. daily inventory 12
DOT Number: 1263	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid ( ) Liquid (X) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** HAZMAT STORAGE BUILDING, BUILDING 7	
Name: ACETYLENE	(X) Fire	Container type CY
Substance Number: 0015	(X) Sudden release of pressure	Max. daily inventory 13
CAS Number: 74-86-2	( ) Reactive	Avg. daily inventory 13
DOT Number: 1001	( ) Acute health effects	Days on site 365
Pure (X) or Mixture ( )	( ) Chronic health effects	Storage pressure 02
Solid ( ) Liquid ( ) or Gas (X)	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** PLANT WIDE	
Name: ALUMINUM	( ) Fire	Container type OT (PLANT-WIDE)
Substance Number: 0054	( ) Sudden release of pressure	Max. daily inventory 19
CAS Number: 7429-90-5	(X) Reactive	Avg. daily inventory 19
DOT Number:	(X) Acute health effects	Days on site 365
Pure (X) or Mixture ( )	( ) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: (X)	**Location(s)** UBIQUITOUS	
Name: ALUMINUM (FUME OR DUST)	( ) Fire	Container type BN
Substance Number: 0054	( ) Sudden release of pressure	Max. daily inventory 13
CAS Number: 7429-90-5	( ) Reactive	Avg. daily inventory 12
DOT Number:	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	( ) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** FOUNDRY	

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SUBSTANCE DESCRIPTION	HAZARDS	INVENTORY INFORMATION
Name: ETHYLBENZENE	(X) Fire	Container type DS
Substance Number: 0851	( ) Sudden release of pressure	Max. daily inventory 13
CAS Number: 100-41-4	( ) Reactive	Avg. daily inventory 12
DOT Number: 1175	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid ( ) Liquid (X) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** HAZMAT STORAGE BUILDING, BUILDING 7	
Name: GASOLINE	(X) Fire	Container type TA
Substance Number: 0957	( ) Sudden release of pressure	Max. daily inventory 16
CAS Number: 8006-61-9	( ) Reactive	Avg. daily inventory 15
DOT Number: 1203	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid ( ) Liquid (X) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** OUTSIDE BUILDING E4	
Name: GLYCOL ETHERS (EXCEPT SURFACTANTS)	( ) Fire	Container type DS
Substance Number: 3138	( ) Sudden release of pressure	Max. daily inventory 14
CAS Number: N230	( ) Reactive	Avg. daily inventory 14
DOT Number:	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid ( ) Liquid (X) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** HAZMAT STORAGE BUILDING, BUILDING 7	
Name: HAZ WASTE, N.O.S. (ONLY IF EHS REPORTED)	(X) Fire	Container type DS
Substance Number: 2461	( ) Sudden release of pressure	Max. daily inventory 15
CAS Number:	( ) Reactive	Avg. daily inventory 14
DOT Number: 9189	(X) Acute health effects	Days on site 365
Pure ( ) or Mixture (X)	(X) Chronic health effects	Storage pressure 01
Solid (X) Liquid ( ) or Gas ( )	( ) None per MSDS	Storage temperature 04
Trade Secret: ( ) EPCRA Only: ( )	**Location(s)** HAZMAT STORAGE BUILDING, SATELLITE ACCUMULATI	