

Resolution # 15-075

RESOLUTION AUTHORIZING EXECUTION OF AN
INDUSTRIAL SEWER CONNECTION PERMIT RENEWAL TO:

Alcoa-Howmet

Block 10101 / Lots 1 & 4
Township of Rockaway, New Jersey

WHEREAS, the Rockaway Valley Regional Sewerage Authority (hereinafter “the Authority”) is authorized by the Sewerage Authorities Law [N.J.S.A. 40:14A-7(11)] to make and enforce rules and regulations for the management and regulation of its business and affairs and/or the use, maintenance, and operation of the sewerage system and any other of its properties and to amend the same; and

WHEREAS, the Authority is a Delegated Local Agency of the New Jersey Department of Environmental Protection and administers an industrial pretreatment program within the service area of the Authority; and

WHEREAS, in accordance with the regulations governing industrial pretreatment programs established at N.J.S.A. 7:14A-1 et. seq., the Authority is required to issue permits and renew permits to industrial discharges within the RVRSA that discharge process wastewater to the Authority’s facility; and

NOW THEREFORE, BE IT RESOLVED, by the Rockaway Valley Regional Sewerage Authority as follows:

1. The Executive Director, JoAnn Mondini, is hereby authorized to execute an Industrial Sewer Connection Permit renewal in accordance with the terms and conditions of a form of Industrial Sewer Connection Permit (ISCP), SIC Codes 3341 and 3369 dated October 1, 2015 marked Schedule “A” attached hereto and a part hereof, a copy of which is also, on file at the offices of RVRSA, to Alcoa-Howmet, subject to compliance with any permit condition(s) which must be satisfied prior to issuance of this permit renewal, if any; and also subject to compliance with all remaining engineering requirements, if any.

2. This approval is subject to the payment of the appropriate RVRSA pretreatment annual permit fee.
3. This ISCP is subjected to a flow limitation not to exceed 72,000 gallons per day, monthly average.

I hereby certify that this Resolution was adopted at a meeting of the Rockaway Valley Regional Authority held on September 10, 2015.

On motion of Michael Guadagno

Seconded by John Cegelka


And a Roll Call Vote as Follows:

Yeas: (9) Andes, Cegelka, Corbett, Guadagno, Lowell, Recchia, Schaefer, Schorno and Secco

Nays: (0) None

Abstain: (0) None

Absent: (1) Vincitore


Michael Guadagno
Board Secretary



FACT SHEET Alcoa-Howmet

This fact sheet sets forth the principal facts and the significant factual, legal, and policy considerations examined during preparation of the draft permit.

PERMIT ACTION: Renewal Industrial Sewer Connection Permit

PERMITEE NAME AND ADDRESS: Alcoa-Howmet
9 Roy Street
Dover, NJ 07801

FACILITY NAME AND ADDRESS: Alcoa-Howmet
9 Roy Street
Rockaway Township, NJ

FACILITY CONTACT INFORMATION: David Knapp
Manager, Environmental, Health and Safety
Phone No.: (973) 328-8522
Email: david.knapp2@alcoa.com

Noelle Reddick
Environmental Engineer

Bill Miley
Plant Manager

RECEIVING LOCAL AGENCY: Rockaway Valley Regional Sewerage Authority

RECEIVING COLLECTION SYSTEM: Rockaway Valley Regional Sewerage Authority
(main-trunk line, metered at Meter Chamber RT-3)

DESCRIPTION OF FACILITY OPERATIONS:

The primary activity at this facility is precision investment castings (foundry) and production of alloys from elemental metals (SIC Codes: 3341 and 3369). The "Alloy" facility produces super-alloys for use at various casting facilities. The "Castings" facility re-melts alloys into ceramic molds formed by wax patterns. The castings are then cleaned and shipped out. This facility is subject to 40 CFR 433 – Metal Finishing Point Source Category, Subpart A – Metal Finishing Subcategory and 40 CFR 433.15 – Pretreatment Standards for Existing Sources (PSES). Additional process/activities at the facility include: Castings Division: wax pattern, ceramic shell, shell wrap, steam autoclave, vacuum induction melting, ceramic shell removal, gate removal, metal finishing. Quality Control Division: FPI, X-Ray, etching, packing. Alloy Division: Ingot processing, refractory processing, vacuum induction melting, and air induction melting.



Alcoa-Howmet Castings and Alloy generates 72,000 (permitted) gallons per day (monthly average) of combine wastewater from its main castings plant, D.S. castings plant, alloy plant, wastewater treatment plant and offices.

The pretreatment devices consist of: filtration system, oil/grease separation, grease trap, silver recovery/removal system, spill protection, settling weir system, coalescers, and an on-site wastewater treatment facility (chemical precipitation neutralization, pH correction, sedimentation).

DESCRIPTION OF DISCHARGE LOCATION(S) (see attached Figure 1):

Name: 001
Latitude: 40° 52' 54.95" N
Longitude: 74° 31' 40.65" W
Description: HDC-1 Manhole (Outfall DSN-01)

SUMMARY OF PERMIT CONDITIONS (see attached Table 1):

The following pollutants are regulated: BOD₅, COD, suspended solids (TSS), dissolved solids (TDS), pH, oil & grease, phosphorus, NH₃-N, arsenic (As), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), silver (Ag), zinc (Zn), phenols, cyanide, total toxic organics (TTO) and flow.

The basis for the limitations established is summarized in the local limits evaluation reports entitled "1996 RVRSA Local Limit Development Report"; dated September, 1996, and "Rockaway Valley Regional Sewerage Authority, IPP – Local Limits Report (Revisions)", dated July 13, 1999; both prepared by Killiam Associates.

Below is a summary of key aspects of this renewal application.

1. *Flow:* Flow limitation is carried over from the previous permit.
2. *Parameters of Concern:* During the previous permit cycle the following parameters were exceed on occasion: NH₃-N, BOD, TSS, and nickel (Ni).
2. *Other Parameters:* All other parameters are carried over from the previous permit.

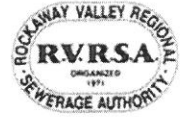
VARIANCES OR ALTERNATIVES TO PERMIT CONDITIONS:

N/A

REGULATIONS APPLICABLE TO THIS PERMIT ACTION:

This permit is issued in accordance with N.J.S.A 58:10A-6f, N.J.A.C. 7:14A-19.8, and 40CFR Part 403.8. Requirements for the contents of this Fact Sheet are in accordance with N.J.A.C. 7:14A-15.8.

This facility is also subject to 40 CFR 433 – Metal Finishing Point Source Category, Subpart A – Metal Finishing Subcategory and 40 CFR 433.15 – Pretreatment Standards for Existing Sources (PSES).



INDUSTRIAL PRETREATMENT PROGRAM CONTACT PERSON:

Additional information concerning this permit may be obtained from Natalie Pisarcik, RVRSA IPP Coordinator, at 973-263-1555 ext. 213.

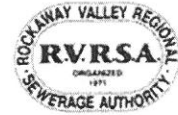


TABLE – 1 : DISCHARGE LIMITATIONS

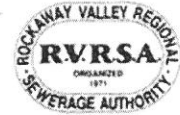
ALCOA-HOWMET

Sample Location: HDC – 1 Manhole (Outfall DSN – 01)

Parameter	Daily Max. Limit	Mo. Avg. Limit	Sample Freq.	Sample-Type
Flow (3)	Report	72,000 GPD	Continuous	Metered
BOD ₅	1,000 mg/L (1) (2)	1,000 mg/L (1) (2)	Monthly	Comp.
COD	Report	Report	Monthly	Comp.
TSS	1,000 mg/L (1) (2)	1,000 mg/L (1) (2)	Monthly	Comp.
TDS	Report	Report	Monthly	Comp.
pH	5.5-9.5 S.U. (1) (7)	N/A	Monthly	Grab
Oil & Grease	100 mg/L (1)	100 mg/L (1)	Monthly	Grab
Phosphorus	Report	Report	Monthly	Comp.
NH ₃ -N	40 mg/L (1) (2)	40 mg/L (1) (2)	Monthly	Comp.
Chromium (Cr)	1.50 mg/L (1)	1.11 mg/L (4)	Monthly	Comp.
Cobalt (Co)	Report	Report	Monthly	Comp.
Copper (Cu)	2.19 mg/L (4)	1.34 mg/L (4)	Monthly	Comp.
Nickel (Ni)	1.40 mg/L (1)	1.40 mg/L (4)	Monthly	Comp.
Silver (Ag)	0.28 mg/L (4)	0.16 mg/L (4)	Monthly	Comp.
Zinc (Zn)	1.69 mg/L (4)	0.96 mg/L (4)	Monthly	Comp.
TTO	1.38 mg/L (4) (5) (6)	Report	Semi-Annually	Comp.
Arsenic (As)	0.85 mg/L (1)	Report	Semi-Annually	Comp.
Cadmium (Cd)	0.45 mg/L (1)	0.17 mg/L (4)	Semi-Annually	Comp.
Lead (Pb)	0.40 mg/L (1)	0.28 mg/L (4)	Semi-Annually	Comp.
Cyanide	0.78 mg/L (4)	0.42 mg/L (4)	Semi-Annually	Grab
Phenols	Report	Report	Semi-Annually	Grab
Mercury (Hg)	0.14 mg/L (1)	Report	Annually	Comp.

Notes:

- (1) Discharge limits are based upon the RVRSA local limits.
- (2) BOD₅ or TSS concentration exceeding 250 mg/L and NH₃-N concentration exceeding 40 mg/L are subject to the Surcharge for Wastewaters of Excessive Strength as per Section 8B of this ISCP. Any discharge over the BOD₅ and/or TSS limit of 1000 mg/L or the NH₃-N of 80 mg/L (daily maximum) and/or 40 mg/L (monthly average) will be considered a permit violation and subject to applicable enforcement actions.



- (3) Monthly average of flow is based on COMBINED (Process and Sanitary) Wastewater flow.
- (4) The discharge limits are based upon the Federal Categorical Standards for Metal Finishing Industries, 40 CFR § 433.15 (PSES). A Combined Waste Stream Formula (CWSF) was used to account for the dilution factor (see Table 2 and Table 3).
- (5) The Total Toxic Organics (TTO) list is attached.
- (6) A NON-USE Certification form is attached. This is allowed in lieu of TTO Sampling, pursuant to 40 CFR § 433 regulations. The Permittee may use this form for volatiles, acids, base/neutrals, organics and/or pesticides/PCBs sampling. The sample type is Composite and Grab.
- (7) The pH sample shall be analyzed by a NJDEP certified lab, within 15 minutes of collection of the sample.

Additional Notes:

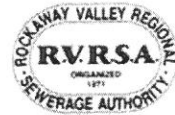
The permittee shall notify the RVRSA, at a minimum 10 days in advance, of any Changed Condition, including (+/-) 20% change in the production, operations, reported average water use, discharge streams, discharge volume or discharge quality. The facility is also required to notify regarding introduction of any new waste stream or new pollutant previously not identified.

The Self-Monitoring Report (SMR) is due and shall be received by the RVRSA office on or before the 21st day of the month following the sampling month, or next business day (if date shall fall on a weekend and/or holiday). If no pollutant sample is collected or analyzed during a month, then the monthly report shall include at least flow data.

Parameters shall be tested according to monitoring frequency and submitted in accordance to the SMR along with copies of analytical results and the chain of custody. All SMR's submitted must comply and contain the signatory requirement as required under 40 CFR § 403.6 (a)(2)(ii) and it must be signed by a responsible corporate officer as required under 40 CFR § 430.12(I).

Composite samples shall be collected over a twenty-four (24) hour period; programmed to sample every 15 minutes, unless otherwise noted.

"Daily Maximum" limits equals "Monthly Average" limits if only one sampling event is performed during the month, unless otherwise noted.



The "Quarterly" sample period shall correspond to the January-March, April-June, July-September, and October-December quarters.

The "Semi-Annually" sample period shall correspond to the January – June calendar year and the July – December calendar year.

The "Annually" sample period shall correspond to the January – December calendar year.

Copies of manifests for process wastewater trucked offsite for disposal shall be made available for review by our offices.

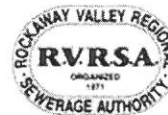
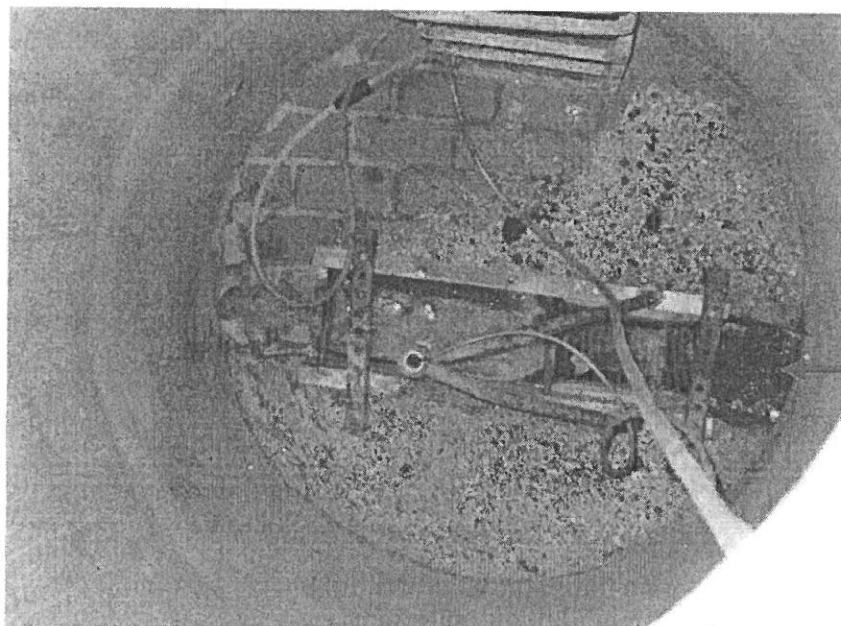
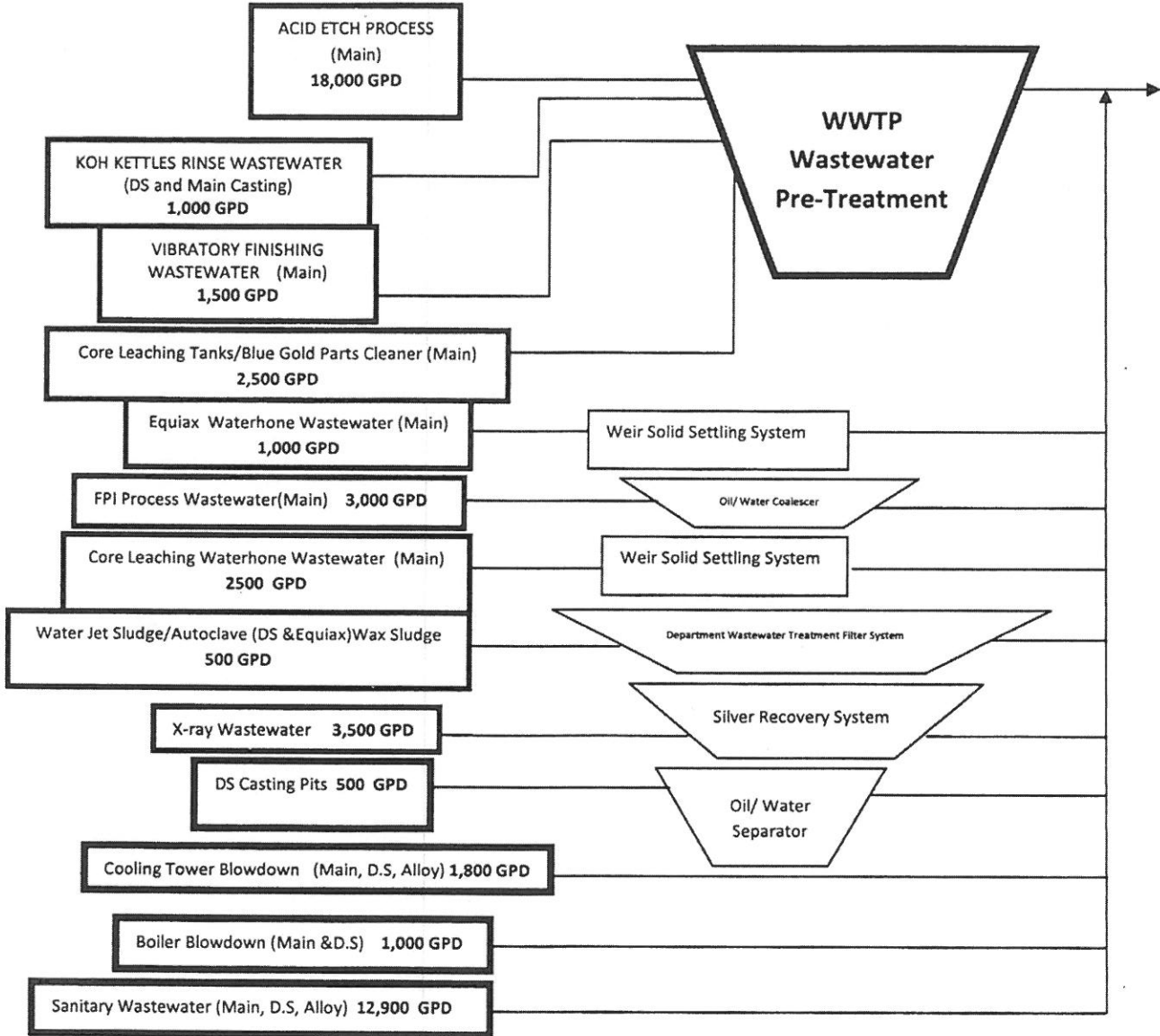


FIGURE 1: Facility Sampling Location

ALCOA-HOWMET

SAMPLING LOCATION: (Discharge location: 001)
HDC – 1 Manhole (Outfall DSN-01)

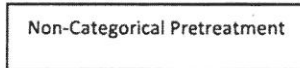
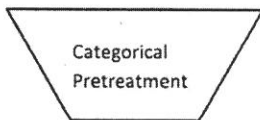




*Water is supplied through the Denville Township Water Supply and an Onsite permitted production well

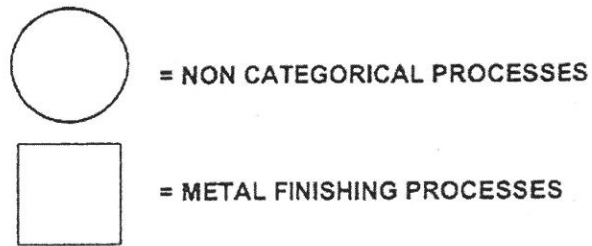
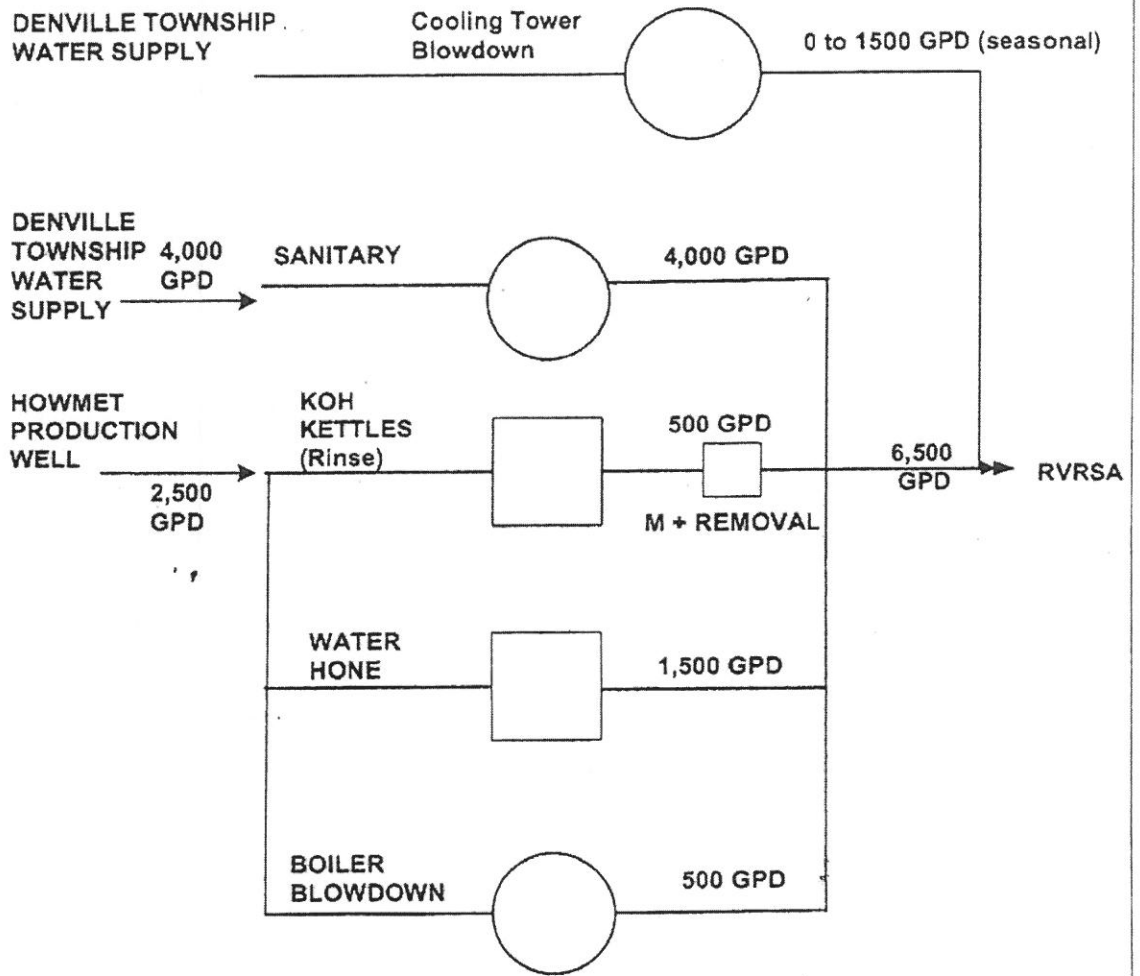
*All information provided by Alcoa Howmet Facilities Maintenance Department

KEY:



SUBJECT: WATER QUALITY MANAGEMENT

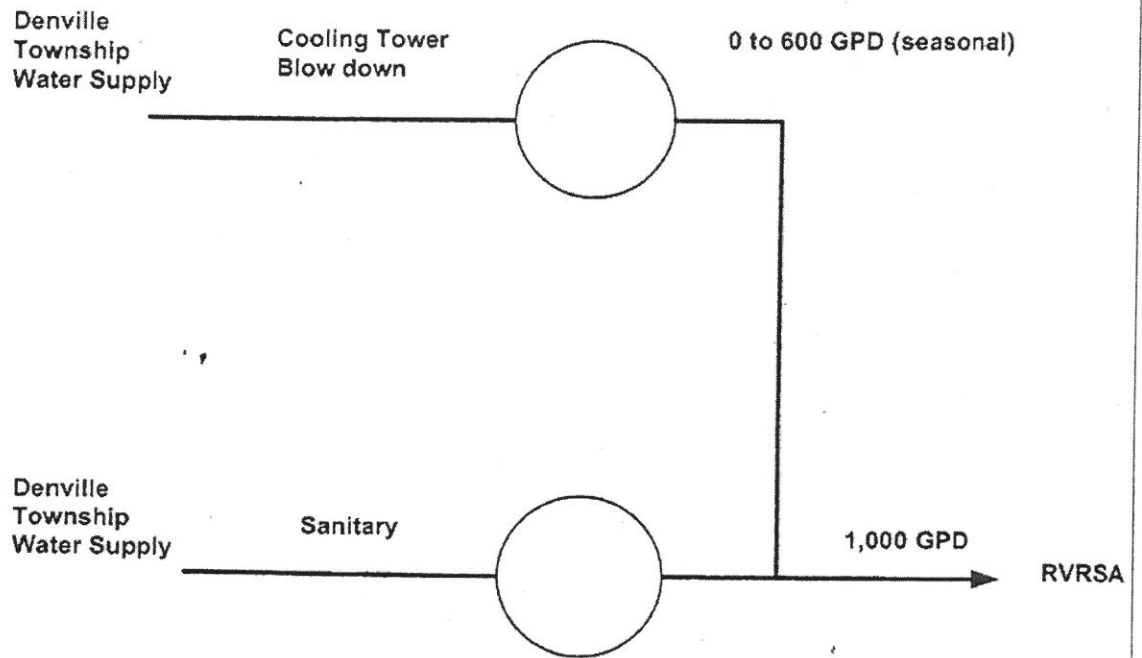
**HOWMET CASTINGS & SERVICES, INC.
DS FACILITY
WASTE WATER FLOW SCHEMATIC**



NOTE: Controlled EHSMS Documents are maintained electronically on the "EHS" Drive. Printed versions of EHSMS Documents are UNCONTROLLED. Prior to relying on a printed document, verify that it is current. This document was printed on 03/05/12



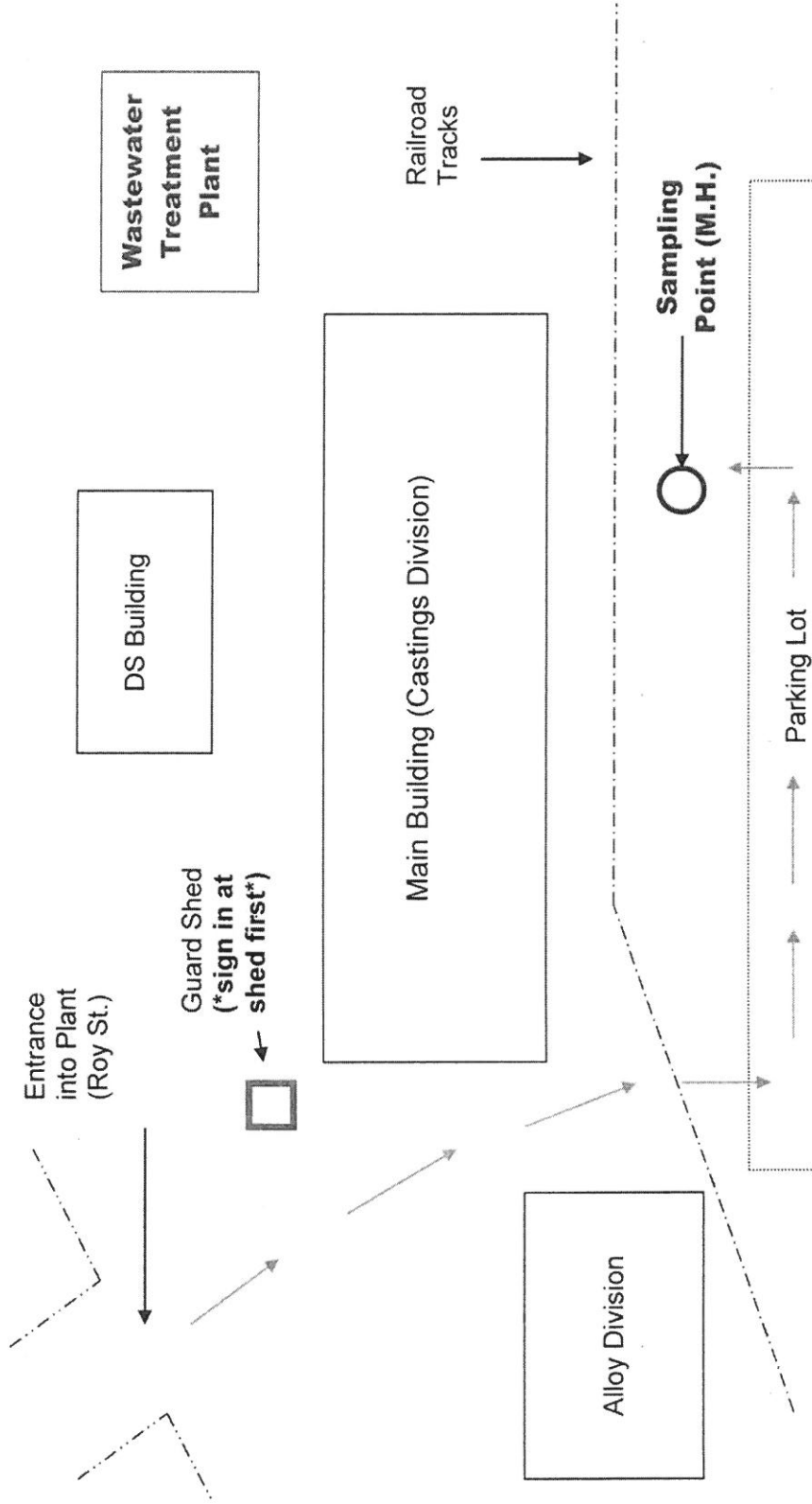
HOWMET CASTINGS & SERVICES, INC. Alloy Facilities

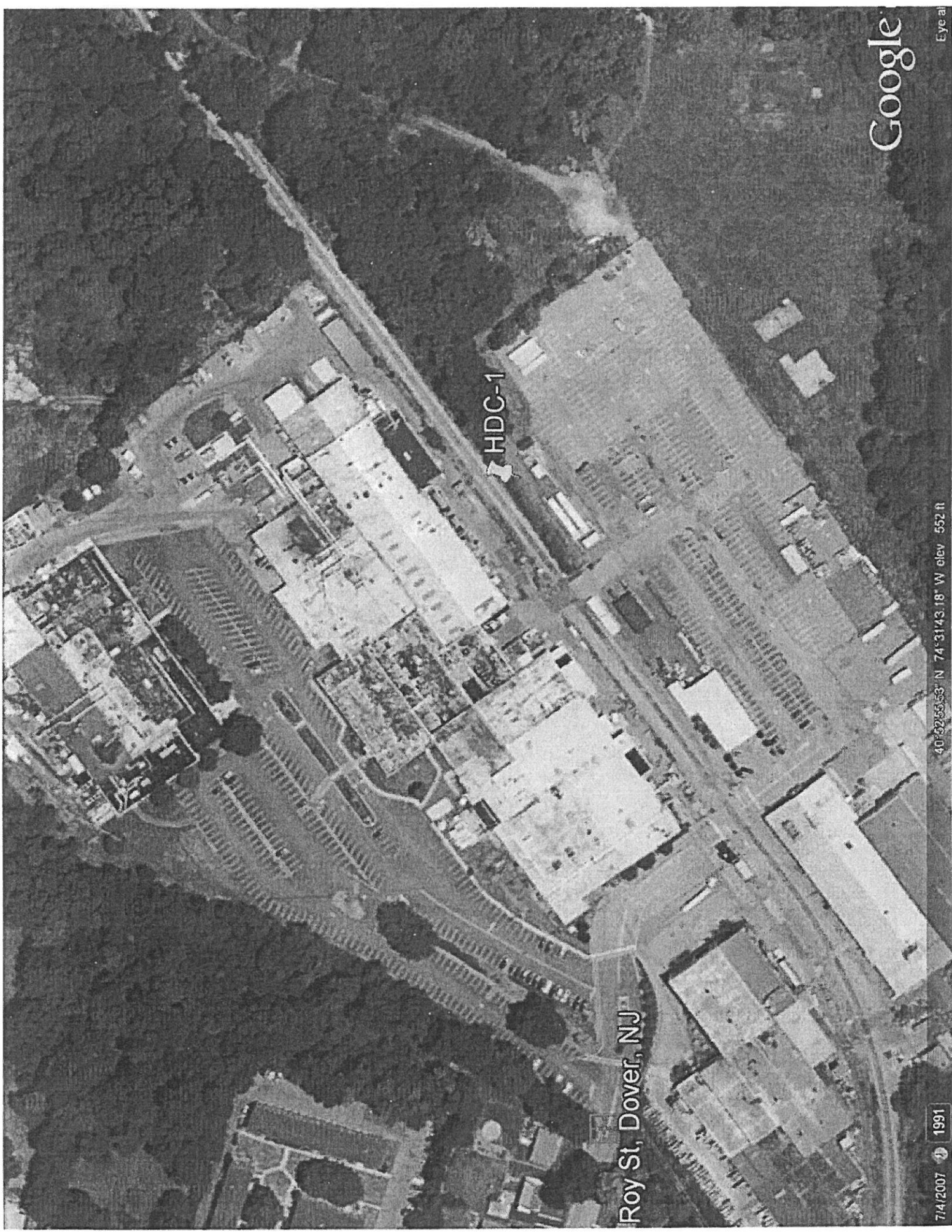


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This document was printed on 03/05/12

ROCKAWAY VALLEY REGIONAL SEWERAGE AUTHORITY

ALCOA - HOWMET - SAMPLING POINT LOCATION





Roy St, Dover, NJ

HDC-1

Google

7/4/2007

1991

40°32'55.53" N 74°31'43.18" W elev 552 ft

Eye alt



RECEIVED

MAR 16 2015

R.V.R.S.A.

Rockaway Valley Regional Sewerage Authority
RD #1, 99 Greenbank Road Boonton, NJ 07005-9602
(973) 263 - 1555 / Fax (973) 263 - 9068

OWNERSHIP DISCLOSURE STATEMENT

Project Name: RVSA Industrial Sewer Connection Permit

Property Owner: Howmet Castings & Services, Inc.

Corporation Name: Howmet Castings & Services, Inc.

Company Name: _____

Trading As: _____

Corporate and partnership Applicants must submit a statement setting forth the names and addresses of all stockholders in the corporation or partnerships who own 10% or more of its stock, of any class or of all individual partners in the partnership who own a 10% or greater interest therein, as the case may be. If one or more such stockholders hold 10% or more of that corporation's stock, or of the individual partners owning 10% or greater interest in the partnership, as the case may be, shall also be listed. The disclosure shall be continued until all names and addresses of every non-corporate stockholder and individual partner exceeding 10 % ownership has been listed.

Name	Address	% Ownership
Howmet Corporation	1616 Harvard Avenue	100%
_____	Cleveland, OH 44105	_____
_____	_____	_____
_____	_____	_____

If any entity owns 10% or less, please indicate

Howmet Castings & Services, Inc.

(Proprietor, Partnership or Corporation)

9 Roy Street, Dover, NJ 07801

(Street address where notifications can be sent)

Diane B. Thumma
(Authorized Signature)

Diane B. Thumma

(Print Name)

Assistant Secretary

(Title)

3/9/2015

(Date)

ATTEST:

Trileise Barber
(Signature)

Trileise Barber
(Print Name and Title)

