



**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER
FACILITIES**

NPDES PERMIT NO: PA0013820

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

**Allegheny Ludlum, LLC
100 River Road
Brackenridge, PA 15014-1537**

is authorized to discharge from a facility known as **Allegheny Ludlum Brackenridge Plant**, located in **Harrison Township, Allegheny County**, to the **Allegheny River** in Watershed(s) **18-A** in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON JUL 01 2012
THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON JUN 30 2017

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 40 CFR 122.41(a)
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. 40 CFR 122.41(b), 122.21(d)

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. 25 Pa. Code 92a.7 (b), (c)

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED JUN 13 2012

ISSUED BY Samuel C. Harper
Samuel C. Harper
Clean Water Program Manager
Southwest Regional Office

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. A. For Outfall 102, Latitude 40° 36' 28", Longitude -79° 43' 58", River Mile Index -, Stream Code -

Discharging to the Allegheny River

which receives wastewater from the Hot Rolling Processing Facility including contact and non-contact cooling water and cooling tower blowdown.

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Monitor & Report		XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	1.0	XXX	1/week	Grab
Total Suspended Solids	1260	3142	XXX	15	40	50	1/week	24-Hr Composite
Oil and Grease	243	983	XXX	Monitor & Report	10	12.5	1/week	Grab
Ammonia-Nitrogen	1193	2702	XXX	58.6	133.3	167	1/week	24-Hr Composite
Total Cyanide	2.55	5.99	XXX	0.12	0.29	0.36	1/week	24-Hr Composite
Fluoride	552	1225	XXX	26.4	59.5	74.4	1/week	24-Hr Composite
Total Iron	XXX	XXX	XXX	0.61	1.20	1.5	1/week	24-Hr Composite

Outfall 102, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Lead	4.1	8.54	XXX	0.20	0.42	0.53	1/week	24-Hr Composite
Total Titanium	XXX	XXX	XXX	0.41	0.94	1.18	1/week	24-Hr Composite
Total Zinc	12.48	29.6	XXX	0.61	1.46	1.83	1/week	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Internal Monitoring Point 102

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. B. For Outfall 103, Latitude 40° 36' 18", Longitude -79° 43' 52", River Mile Index -, Stream Code -

Discharging to the Allegheny River

which receives wastewater from the Hot Strip Mill Wastewater Treatment Plant and HRPF construction area groundwater and storm water.

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Monitor & Report		XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	1.0	XXX	1/week	Grab
Total Suspended Solids	2723	7268	XXX	15	40	50	1/week	24-Hr Composite
Oil and Grease	Monitor & Report	1820	XXX	Monitor & Report	10	12.5	1/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at Internal Monitoring Point 103

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. C. For Outfall 104, Latitude 40° 36' 32", Longitude -79° 43' 46", River Mile Index -, Stream Code -

Discharging to the Allegheny River

which receives wastewater from Pickling Department Wastewater Treatment Plant, contact rinse water and waste pickle liquor, non-contact cooling water, fume scrubbers, filtration system blowdown and storm water runoff.

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Monitor & Report		XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.5	1/week	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	1.0	XXX	1/week	Grab
Total Suspended Solids	698	1627	XXX	30	70	87.5	1/week	24-Hr Composite
Oil and Grease	221	664	XXX	10	30	30	1/week	Grab
Total Chromium	9.29	23.2	XXX	0.4	1.0	1.25	1/week	24-Hr Composite
Total Iron	XXX	XXX	XXX	7.3	14.6	18.3	1/week	24-Hr Composite
Total Nickel	6.98	19.9	XXX	0.3	0.9	1.13	1/week	24-Hr Composite
Temperature (°F)	XXX	XXX	XXX	XXX	110	XXX	1/week	I-S

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): At Internal Monitoring Point 104

