

Application No. OHP000149

Issue Date: January 9, 2007

Effective Date: February 1, 2007

Expiration Date: January 31, 2012

Ohio Environmental Protection Agency

Indirect Discharge Permit

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as "the Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code 6111),

SUMCO Phoenix Corp. - Cincinnati

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge wastewater from its facility located at 573 Grandin Road, Maineville, Ohio 45039, Warren County into the Warren County Board of Commissioners Lower Little Miami WWTP located at 2086 West State Route 22 & 3, Maineville, Ohio 45039 in accordance with the conditions specified in Parts I, II, and III of this permit.

The permit is issued to apply and enforce pretreatment rules of the state of Ohio. The rights granted by this permit shall not supersede the primacy of the above authority in the regulation of its publicly owned treatment works.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Laura H. Powell
Acting Director

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Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Table - End of Pipe - 001 - Final

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>							<u>Monitoring Requirements</u>		
	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00056 - Flow Rate - GPD	-	-	-	-	-	-	-	Continuous	24hr Total	All
00402 - pH, Minimum - S.U.	-	5.0	-	-	-	-	-	Continuous	Grab	All
82090 - Total Toxic Organics - ug/l	1100	-	-	-	-	-	-	2/Year	Composite	Semi-annual

2. The above limitations for TTOs are calculated based on the following:

A total of process flow of 262,500 gpd consisting 259,000 gpd from Plant 1 neutralization system and 3,500 gpd from Plant 1 process vacuum; A dilution flow of 64,000 gpd consisting of 24,000 gpd from boiler blowdown, 8,000 gpd from non-contact cooling, 6,000 gpd from Plant 1 water softener rinse, 5,000 gpd from sanitary, 16,000 gpd from cooling tower blowdown, 4,000 gpd from dehumidification coils and 1,000 gpd from steam condensate; Pretreatment standards in 40 CFR 469.18.

3. Samples shall be collected from the sampling manhole (SA-108) located south of Plant 2 in field at fence line.

4. The permittee shall report the total and the component dilution flows in the comment section of each monitoring report.

5. Total Toxic Organics (82090) shall be collected as a composite sample except for the Volatile Organic portion, which shall be collected as a grab sample. See Part II.4.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 1DP00028002 (for Plant 2).

Table - End of Pipe - 002 - Final

Effluent Characteristic Parameter	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00056 - Flow Rate - GPD	-	-	-	-	-	-	-	Continuous	24hr Total	All
00402 - pH, Minimum - S.U.	-	-	-	-	-	-	-	Continuous	Grab	All
01002 - Arsenic, Total (As) - ug/l	1810	-	-	720	-	-	-	1/Month	Composite	All
82090 - Total Toxic Organics - ug/l	1180	-	-	-	-	-	-	2/Year	Composite	Semi-annual

2. The above limitations for arsenic and TTOs are calculated based on the following:

A total of process flow of 351,000 gpd consisting 312,000 gpd from Plant 2 neutralization system, 11,500 from seal water filtration system, 1,500 gpd from Plant 2 process vacuum and 26,000 gpd from CZ process vacuum; A dilution flow of 55,000 gpd consisting of 9,000 gpd from non-contact cooling, 22,000 gpd from Plant 2 softener rinse, 5,000 gpd from sanitary, 15,000 gpd from cooling tower blowdown, 3,000 gpd from dehumidification coils and 1,000 gpd from steam condensate; Pretreatment standards in 40 CFR 469.18 and 469.28.

3. Samples shall be collected from the sampling manhole (SA-208) located south of Plant 2 in field at fence line.

4. The permittee shall report the total and the component dilution flows in the comment section of each monitoring report.

5. Samples for arsenic shall be collected when the iron-based filtration system is in operation. If the system has not been in operation at all in a reporting month, the reporting code "AH" shall be used for arsenic for that reporting month.

6. Total Toxic Organics (82090) shall be collected as a composite sample except for the Volatile Organic portion, which shall be collected as a grab sample. See Part II.4.

Part II, Other Requirements

1. The permittee shall comply with all applicable rules, regulations, and ordinances of the Warren County Board of Commissioners. If the authority to discharge is revoked by the POTW, this shall also be considered grounds for revocation of this permit.

2. In addition to the report submitted to Ohio EPA under Part III, Item 3, of this permit, a copy of each discharge monitoring report shall be submitted to the POTW at the following address:

Warren County Board of Commissioners - Lower Little Miami
Wastewater Treatment Plant
903 North Broadway
P. O. Box 530
Lebanon, Ohio 45036

3. Any slug loading shall be reported to the POTW at (513) 683-5808 pursuant to requirements in Part III, Item 10.

4. Total Toxic Organic (TTO)

A. Compliance Monitoring

The permittee may elect to monitor in accordance with paragraph 4.A.1. below or, in lieu thereof, adopt and implement a toxic organic management plan and submit certifications in accordance with paragraph 4.A.2. hereof.

1. Compliance Monitoring Option

If the permittee elects to monitor to measure compliance with the TTO standard, the monitoring shall be conducted in accordance with the following provisions.

a. At least two grab samples for volatile pollutants and a discharge day composite sample for acid and base/neutral, and pesticide pollutants shall be obtained on each monitoring day. Wastewater samples shall be prepared and analyzed in accordance with 40 CFR 136. The TTO measured in the discharge are to be reported in the units of micrograms per liter (ug/l). The term TTO shall mean total toxic organics, which is the summation of all quantifiable values greater than 10 micrograms per liter for the following toxic organics:

1,2,4 Trichlorobenzene	1,3 Dichlorobenzene
1,2 Dichlorobenzene	1,4 Dichlorobenzene
1,1,1 Trichloroethane	Naphthalene
Trichloroethylene	2 Nitrophenol
2Chlorophenol	2,4 Dichlorophenol
4 Nitrophenol	1,2 Diphenylhydrazine
1,1 Dichloroethylene	2,4,6 Trichlorophenol
1,1,2 Trichloroethane	Chloroform
Ethylbenzene	Methylene Chloride
Phenol	Bis (2-Ethylhexyl) Phthalate
Tetrachloroethylene	Toluene
Pentachlorophenol	Di-N-Butylphthalate
Anthracene	Isophorone
Butylbenzyl Pthalate	Carbon Tetrachloride
1,2 Dichloroethane	Dichlorobromomethane

b. Depending upon the results of prior wastewater monitoring and any other information, the Ohio EPA may modify the provisions of paragraph 4.A.1.a., as appropriate. Modifications may include, but are not limited to, restricting monitoring to those toxic organics which would reasonably be expected to be present.

2. Certification Option

If the permittee elects to certify compliance, rather than monitor, the permittee shall:

- a. Have an acceptable toxic organic management plan on file with the Ohio EPA. The plan shall specify to the satisfaction of Ohio EPA the toxic organic chemicals used, the method of disposal used instead of dumping, such as reclamation, contract hauling, or incineration, and procedures for ensuring that toxic organics do not spill or leak into process wastewaters, non-contact cooling water, ground water, storm water, or surface waters.
- b. Except as provided in subparagraph (c) below, make the following certification statement with each compliance monitoring report: "Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standards for total toxic organics, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the Ohio EPA." This statement is to be attached to the compliance monitoring reports required by this permit.
- c. If the permittee is unable to make the above certification statement or if conditions change at your facility that affect the use or storage of toxic organics, you must notify Ohio EPA at least sixty days prior to the due date for filing the compliance monitoring report. At that time, Ohio EPA will determine the appropriateness of requiring monitoring for toxic organics or continuing the certification option.