

STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
PUBLIC NOTICE NO. 20220413 – INP000284– D
DATE OF NOTICE: APRIL 13, 2022
DATE RESPONSE DUE: MAY 13, 2022

The Office of Water Quality proposes the following NPDES DRAFT PERMIT:

PRETREATMENT – MODIFICATION

SMC CORPORATION OF AMERICA Permit No. INP000284, HAMILTON COUNTY, 10100, SMC Blvd., Hamilton, IN. This facility manufactures cylinders, valves, and actuators; the facility discharges .0151 million gallons daily of sanitary and process wastewater to the Noblesville POTW. SMC is requesting a modification to include a new process wastewater outfall due to the addition of new process lines. Permit Manager: Taylor Wissel, 317/234-4260, twissel@idem.in.gov. Posted online at <https://www.in.gov/idem/public-notices/>.

PROCEDURES TO FILE A RESPONSE

Draft can be viewed or copied (10¢ per page) at IDEM/OWQ NPDES PS, 100 North Senate Avenue, (Rm 1203) Indianapolis, IN, 46204 (east end elevators) from 9 – 4, Mon - Fri, (except state holidays). A copy of the Draft Permit is on file at the local County Health Department. Please tell others you think would be interested in this matter. For your rights & responsibilities see: Public Notices: <https://www.in.gov/idem/public-notices/>; Citizen Guide: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>. Please tell others whom you think would be interested in this matter.

Response Comments: The proposed decision to issue a permit is tentative. Interested persons are invited to submit written comments on the Draft permit. All comments must be postmarked no later than the Response Date noted to be considered in the decision to issue a Final permit. Deliver or mail all requests or comments to the attention of the Permit Writer at the above address, (mail code 65-42 PS).

To Request a Public Hearing:

Any person may request a Public Hearing. A written request must be submitted to the above address on or before the Response Date noted. The written request shall include: the name and address of the person making the request, the interest of the person making the request, persons represented by the person making the request, the reason for the request and the issues proposed for consideration at the Hearing. IDEM will determine whether to hold a Public Hearing based on the comments and the rationale for the request. Public Notice of such a Hearing will be published in at least one newspaper in the geographical area of the discharge and sent to anyone submitting written comments and/or making such request and whose name is on the mailing list at least 30 days prior to the Hearing.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204
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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

April 13, 2022

VIA ELECTRONIC MAIL

Ms. Kelley Stacy, President/CEO
SMC Corporation of America
10100 SMC Boulevard
Noblesville, Indiana 46060

Dear Ms. Stacy:

Re: IWP Permit No. INP000284
Draft Permit Modification
SMC Corporation of America
Noblesville, IN – Hamilton County

Your request for a permit modification has been reviewed and processed in accordance with rules adopted under 327 IAC 5. The enclosed Pages 1 through 7 of 28 are intended to replace the corresponding pages of your existing IWP Permit No. INP000284. An accompanying Briefing Memo itemizes and explains the rationale for the revisions.

Pursuant to IC 13-15-5-1, IDEM will publish the draft permit document online at <https://www.in.gov/idem/public-notice/>. Additional information on public participation can be found in the "Citizens' Guide to IDEM", available at <https://www.in.gov/idem/resources/citizens-guide-to-idem/>. A 30-day comment period is available to solicit input from interested parties, including the public.

Please review this draft permit modification and associated documents carefully to become familiar with the proposed terms and conditions. Comments concerning the draft permit modification should be submitted in accordance with the procedure outlined in the enclosed public notice form. We suggest that you meet with us to discuss major concerns or objections you may have with the draft permit modification.



Ms. Kelley Stacy, President/CEO
Page 2

Questions concerning this draft permit modification may be addressed to Taylor Wissel of my staff, at 317/234-4260 or by email at twissel@idem.in.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Hamblin", with a long horizontal flourish extending to the right.

Richard Hamblin, Chief
Industrial NPDES Permits Section
Office of Water Quality

Enclosures

cc: Hamilton County Health Department
Ray Thompson, Noblesville POTW
Chip Glisson, SMC Corporation of America
Kendra Gutowski, SMC Corporation of America
Leigh Voss, IDEM
Rob McLaughlin, IDEM

STATE OF INDIANA

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AMENDED AUTHORIZATION TO DISCHARGE UNDER THE
INDUSTRIAL WASTEWATER PRETREATMENT PROGRAM

INDUSTRIAL WASTEWATER PRETREATMENT (IWP) PERMIT

In accordance with 327 IAC 5-21 and IDEM's permitting authority under IC 13-15, **SMC Corporation of America** (hereinafter referred to as the permittee) is authorized to discharge, from the facility located at 10100 SMC Boulevard, Noblesville, Indiana, into the **Noblesville Publicly Owned Treatment Works (POTW)**, in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II hereof.

The permit, as issued on April 18, 2019, is hereby amended, as contained herein. The amended provisions shall become effective _____. All terms and conditions of the permit not modified at this time remain in effect. Further, any existing condition or term affected by the amendments will remain in effect until the amended provisions become effective. This permit and the authorization to discharge, as amended, shall expire at midnight January 31, 2025.

NOTE: In order to receive authorization to discharge beyond the date of expiration, the permittee must submit a renewal IWP permit application to the Industrial NPDES Permit Section in the Office of Water Quality, no later than one hundred and eighty (180) days prior to the date this permit expires. Failure to do so will result in expiration of the authorization to discharge.

Signed on _____ for the Indiana Department of Environmental Management.

Jerry Dittmer, Chief
Permits Branch
Office of Water Quality

PART I

(A) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

(1a) During the period beginning on the effective date of this permit, the permittee is authorized to discharge from Outfalls 001, 002, 004, 005, 006, and 007[1][2]. These outfalls are located at the end of each Clean Machine rinse line. Such discharge shall be limited and monitored by the permittee as specified below:

Table 1

<u>Parameter</u>	<u>Discharge Limitations</u>		<u>Unit</u>	<u>Monitoring Requirements</u>	
	<u>Daily Maximum</u>	<u>Monthly Average</u>		<u>Measurement Frequency</u> [5][6]	<u>Sample Type</u> [4]
Flow [7]	Report	Report	MGD	Daily	24-Hr. Total
Cadmium [3]	0.11 [8]	0.07 [8]	mg/l	1 X Quarter	24-Hr. Composite
T. Chromium [3]	2.77 [8]	1.71 [8]	mg/l	1 X Quarter	24-Hr. Composite
Copper [3]	3.38 [8]	2.0 [9]	mg/l	1 X Quarter	24-Hr. Composite
Lead [3]	0.69 [8]	0.43 [8]	mg/l	1 X Quarter	24-Hr. Composite
Nickel [3]	3.98 [8]	2.0 [9]	mg/l	1 X Quarter	24-Hr. Composite
Silver [3]	0.43 [8]	0.24 [8]	mg/l	1 X Quarter	24-Hr. Composite
Zinc [3]	2.61 [8]	1.48 [8]	mg/l	1 X Quarter	24-Hr. Composite
T. Cyanide [10]	1.20 [8]	0.65 [8]	mg/l	1 X Quarter	Grab
TTO [11]	2.13 [8]	-----	mg/l	2 X Yearly	Grab

Table 2

<u>Parameter</u>	<u>Quality or Concentration</u>		<u>Unit</u>	<u>Monitoring Requirements</u>	
	<u>Daily Minimum</u>	<u>Daily Maximum</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>
pH [13]	5.5 [12]	11.5 [12]	s.u.	Daily	Grab

[1] Outfalls 001, 002, 004, 005, 006, and 007 shall be designated as process wastewaters and contains no dilution streams.

[2] The discharge shall not exceed the local limits in the Sewer Use Ordinance upon entering the WWTP.

- [3] All metals shall be analyzed as Total Recoverable Metals.
- [4] A “24-hour composite sample” means a sample consisting of at least 3 individual flow-proportional samples of wastewater, consisting of aliquots withdrawn throughout the 24-hour discharge period. The aliquots may be: (i) uniform aliquots withdrawn at uniform flow intervals; (ii) flow-proportional aliquots withdrawn at uniform time intervals; or (iii) for batch discharge, uniform aliquots withdrawn from uniform batch volumes. A flow-proportioned composite sample may be obtained by:
- (1) recording the discharge flow rate at the time each individual sample is taken,
 - (2) adding together the discharge flow rates recorded from each individual sampling time to formulate the “total flow” value,
 - (3) the discharge flow rate of each individual sampling time is divided by the total flow value to determine its percentage of the total flow value,
 - (4) then multiply the volume of the total composite sample by each individual sample’s percentage to determine the volume of that individual sample which will be included in the total composite sample.

Alternatively, a 24-hour composite sample may be obtained by an automatic sampler on an equal time interval basis over a twenty-four hour period provided that a minimum of 24 samples are taken and combined prior to analysis. The samples do not need to be flow-proportioned if the permittee collects samples in this manner.

- [5] Parameters that are to be monitored twice per year shall be reported during the months of June and December. If, however, two other months are more appropriate, the permittee may request to report in two alternate months, or the State may require the permittee to report during two alternate months.
- [6] Samples shall be taken once at any time during each of the four annual quarters:
- (A) January-February-March;
 - (B) April-May-June;
 - (C) July-August-September; and
 - (D) October-November-December.

For quarterly monitoring, in the first quarter for example, the permittee may conduct sampling within the month of January, February or March. The result from this reporting timeframe shall be reported on the March DMR, regardless of which of the months within the quarter the sample was taken.

- [7] The flow must be measured and recorded using valid flow measurement devices, not estimated. The flow monitoring device must be calibrated at least once every twelve (12) months.

- [8] Based on categorical standards [40 CFR 433.17]. The Standard is concentration-based (mg/l).
- [9] Based on local ordinance [Noblesville Ordinance No. 10-04-12 (adopted 4/10/12)].
- [10] The CN(T) parameter includes all cyanide, chelated (bound to heavy metals) and unchelated (free). The Metal Finishing Standard for CN(T) applies only to the CN-bearing flows prior to mixing with the non-CN Metal Finishing flows. Since the permittee does not use CN, the CN(T) samples should be collected at the end-of-process site.
- [11] The Total Toxic Organics (TTO) parameter is defined as the sum of all the quantifiable concentration values above .01 mg/l for the toxic organic compounds that constitute this parameter under the applicable categorical standard. See part I.D.("TTO MONITORING REQUIREMENTS") of this permit.
- [12] Based on local ordinance [Noblesville Amended Ordinance No. 31-07-14 (adopted 07/15/14)].
- [13] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Monitoring Report form.

(1b) During the period beginning on the effective date of this permit, the permittee is authorized to discharge from Outfall 003[1][2]. Outfall 003 is located after the pretreatment system for the anodizing line. Such discharge shall be limited and monitored by the permittee as specified below:

Table 1

<u>Parameter</u>	<u>Discharge Limitations</u>		<u>Unit</u>	<u>Monitoring Requirements</u>	
	<u>Daily Maximum</u>	<u>Monthly Average</u>		<u>Measurement Frequency</u> [5]	<u>Sample Type</u> [4]
Flow [6]	Report	Report	MGD	Daily	24-Hr. Total
Cadmium [3]	0.11 [7]	0.07 [7]	mg/l	1 X Monthly	24-Hr. Composite
T. Chromium [3]	2.77 [7]	1.71 [7]	mg/l	1 X Monthly	24-Hr. Composite
Copper [3]	3.38 [7]	2.0 [8]	mg/l	1 X Monthly	24-Hr. Composite
Lead [3]	0.69 [7]	0.43 [7]	mg/l	1 X Monthly	24-Hr. Composite
Nickel [3]	3.98 [7]	2.0 [8]	mg/l	1 X Monthly	24-Hr. Composite
Silver [3]	0.43 [7]	0.24 [7]	mg/l	1 X Monthly	24-Hr. Composite
Zinc [3]	2.61 [7]	1.48 [7]	mg/l	1 X Monthly	24-Hr. Composite
T. Cyanide [9]	1.20 [7]	0.65 [7]	mg/l	1 X Monthly	Grab
TTO [10]	2.13 [7]	-----	mg/l	2 X Yearly	Grab

Table 2

<u>Parameter</u>	<u>Quality or Concentration</u>		<u>Unit</u>	<u>Monitoring Requirements</u>	
	<u>Daily Minimum</u>	<u>Daily Maximum</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>
pH [12]	5.5 [11]	11.5 [11]	s.u.	Daily	Grab

[1] Outfall 003 shall be designated as process wastewaters and contains no dilution streams.

[2] The discharge shall not exceed the local limits in the Sewer Use Ordinance upon entering the WWTP.

[3] All metals shall be analyzed as Total Recoverable Metals.

[4] A “24-hour composite sample” means a sample consisting of at least 3 individual flow-proportional samples of wastewater, consisting of aliquots withdrawn throughout the 24-hour discharge period. The aliquots may be: (i) uniform aliquots withdrawn at uniform flow intervals; (ii) flow-proportional aliquots withdrawn at uniform time intervals; or (iii) for batch discharge, uniform aliquots withdrawn from uniform batch volumes. A flow-proportioned composite sample may be obtained by:

- (1) recording the discharge flow rate at the time each individual sample is taken,
- (2) adding together the discharge flow rates recorded from each individual sampling time to formulate the “total flow” value,
- (3) the discharge flow rate of each individual sampling time is divided by the total flow value to determine its percentage of the total flow value,
- (4) then multiply the volume of the total composite sample by each individual sample’s percentage to determine the volume of that individual sample which will be included in the total composite sample.

Alternatively, a 24-hour composite sample may be obtained by an automatic sampler on an equal time interval basis over a twenty-four hour period provided that a minimum of 24 samples are taken and combined prior to analysis. The samples do not need to be flow-proportioned if the permittee collects samples in this manner.

- [5] Parameters that are to be monitored twice per year shall be reported during the months of June and December. If, however, two other months are more appropriate, the permittee may request to report in two alternate months, or the State may require the permittee to report during two alternate months.
- [6] The flow must be measured and recorded using valid flow measurement devices, not estimated. The flow monitoring device must be calibrated at least once every twelve (12) months.
- [7] Based on categorical standards [40 CFR 433.17]. The Standard is concentration-based (mg/l).
- [8] Based on local ordinance [Noblesville Ordinance No. 10-04-12 (adopted 4/10/12)].
- [9] The CN(T) parameter includes all cyanide, chelated (bound to heavy metals) and unchelated (free). The Metal Finishing Standard for CN(T) applies only to the CN-bearing flows prior to mixing with the non-CN Metal Finishing flows. Since the permittee does not use CN, the CN(T) samples should be collected at the end-of-process site.

- [10] The Total Toxic Organics (TTO) parameter is defined as the sum of all the quantifiable concentration values above .01 mg/l for the toxic organic compounds that constitute this parameter under the applicable categorical standard. See part I.D. ("TTO MONITORING REQUIREMENTS") of this permit.
- [11] Based on local ordinance [Noblesville Amended Ordinance No. 31-07-14 (adopted 07/15/14)].
- [12] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Monitoring Report form.

(2) ADDITIONAL DISCHARGE PROHIBITIONS

The permittee shall not allow the introduction of the following into the POTW from any location, including Outfalls 001, 002, 003, 004, 005, 006, and 007:

- (a) A pollutant from any source of nondomestic wastewaters that could pass through or cause interference with the operation or performance of the POTW.
- (b) A pollutant that could create a fire or explosion hazard in the POTW, including waste streams with a closed cup flashpoint of less than 140° F degrees Fahrenheit (60° C) using the test methods in 40 CFR 261.21.
- (c) A pollutant that could cause corrosive structural damage to the POTW, including a discharge with pH lower than five (5.0), unless the POTW is specifically designed to accommodate such a discharge.
- (d) A solid or viscous pollutant in an amount that could cause obstruction to the flow in a sewer or other interference with the operation of the POTW.
- (e) A pollutant, including an oxygen demanding pollutant (such as biochemical oxygen demand) released in a discharge at a flow rate or pollutant concentration that could cause interference in the POTW.
- (f) Heat in an amount that could:
 - (1) inhibit biological activity in the POTW and result in interference or damage to the POTW; or
 - (2) exceed 40° C or 104° F at the POTW treatment plant unless the commissioner, upon request of the POTW, approves alternate temperature limits.
- (g) Petroleum, oil, non-biodegradable cutting oil, or products of mineral oil origin in an amount that could cause interference or pass through.
- (h) A pollutant that could result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.
- (i) A trucked or hauled pollutant, except:
 - (1) with the permission of the POTW; and



Industrial Wastewater Pretreatment (IWP)
 Briefing Memo for
SMC Corporation of America
 Draft modification: April 2022

Indiana Department of Environmental Management

100 North Senate Avenue
 Indianapolis, Indiana 46204
 (317) 232-8603
 Toll Free (800) 451-6027
www.idem.IN.gov

Permittee:	SMC Corporation of America 10100 SMC Boulevard Noblesville, Indiana 46060
Existing Permit Information:	Permit Number: INP000284 Expiration Date: January 31, 2025
Facility Contact:	Chip R. Glisson, Facilities Manager (317) 899-4440 or cglisson@smcusa.com
Facility Location:	10100 SMC Boulevard Noblesville, Indiana 46060 Hamilton County
Receiving POTW:	Noblesville POTW 197 West Washington Street Noblesville, Indiana 46060 NPDES Permit No. IN0020168
Proposed Permit Action:	Modify
Source Category	Industrial Pretreatment
Permit Writer:	Taylor Wissel, Senior Environmental Manager (317) 234-4260 or twissel@idem.in.gov

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1.0 INTRODUCTION

The Indiana Department of Environmental Management (IDEM) received a request from SMC Corporation of America on February 22, 2022, to modify Industrial Wastewater Pretreatment (IWP) Permit No. INP000284. The current five year permit was issued with an effective date of February 1, 2020 in accordance with 327 IAC 5-2-6(a).

In accordance with Title 40 of the Code of Federal Regulations (CFR) Sections 124.7 and 124.56, as well as Indiana Administrative Code (IAC) 327 Article 5, development of a Statement of Basis, or Briefing Memo, is required for NPDES permits. This document fulfills the requirements established in those regulations.

This Briefing Memo identifies the basis for this modification to the permit and the modified pages of the permit issued on April 18, 2019.

2.0 PERMIT MODIFICATION

2.1 Modification Request

SMC Corporation of America is requesting a permit modification to include two additional cleaning machines, Clean Machine 6 and 7. Clean Machines 6 and 7 will be the same type of machines as Clean Machines 1 through 5. The addition of two new Clean Machines would add one additional outfall, Outfall 007. It is estimated that this outfall would increase the discharge to the City of Noblesville POTW by approximately 10 gallons per day. Outfall 007 is expected to have the same constituents as Outfalls 001, 002, 004, 005, and 006. In addition to the daily increase, the facility will need to discharge four tanks at 32.5 gallons each, for a total of 130 gallons to the POTW every two weeks.

2.2 IDEM's Proposed Modification

IDEM is proposing to create a new process wastewater outfall, Outfall 007. This outfall will convey the discharge from the new Clean Machine 6 and Clean Machine 7 to the Noblesville POTW. Effluent limitations for Outfall 007 are subject to New Source Metal Finishing [40 CFR 433.17] standards and any local ordinances that apply at the end of pipe. A summary of the limitations and monitoring frequencies for Outfall 007 are included below.

The effluent limitations at Outfall 007 are identical to those currently included at Outfalls 001, 002, 004, 005, and 006. IDEM is proposing to modify Page 2 of the Permit to include Outfall 007 as an authorized discharge point, and update Footnote [1] to include Outfall 007. Page 7 will also be modified to include Outfall 007. IDEM is also proposing to include a new footnote in Part I.A.1a. and I.A.1b. regarding pH sampling and reporting requirements and update the existing 24-hour composite footnote; therefore, Pages 3, 4, 5, and 6 of the Permit are being modified to include these changes.

3.0 PERMIT LIMITATIONS

3.1 Outfall 007

The table below summarizes the permit limits at the designated sample site (Outfall 007) [1][2]. Outfall 007 is located at the end of the Clean Machine #6 and #7 lines.

Table 1

<u>Parameter</u>	<u>Discharge Limitations</u>		<u>Unit</u>	<u>Monitoring Requirements</u>	
	<u>Daily Maximum</u>	<u>Monthly Average</u>		<u>Measurement Frequency</u> [5][6]	<u>Sample Type</u> [4]
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Table 2

<u>Parameter</u>	<u>Daily Minimum</u>	<u>Daily Maximum</u>	<u>Unit</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
pH [13]	5.5 [12]	11.5 [12]	s.u.	Daily	Grab

- [1] Outfall 007 shall be designated as process wastewaters and contains no dilution streams.
- [2] The discharge shall not exceed the local limits in the Sewer Use Ordinance upon entering the POTW.
- [3] All metals shall be analyzed as Total Recoverable Metals.
- [4] A “24-hour composite sample” means a sample consisting of at least 3 individual flow-proportional samples of wastewater, consisting of aliquots withdrawn throughout the 24-hour discharge period. The aliquots may be: (i) uniform aliquots withdrawn at uniform flow intervals; (ii) flow-proportional aliquots withdrawn at uniform time intervals; or (iii) for batch discharge, uniform aliquots withdrawn from uniform batch volumes. A flow-proportioned composite sample may be obtained by:

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- [6] Samples shall be taken once at any time during each of the four annual quarters:
 - (A) January-February-March;
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 - (D) October-November-December.

For quarterly monitoring, in the first quarter for example, the permittee may conduct sampling within the month of January, February or March. The result from this reporting timeframe shall be reported on the March DMR, regardless of which of the months within the quarter the sample was taken.

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- [12] Based on local ordinance [Noblesville Amended Ordinance No. 31-07-14 (adopted 07/15/14)].
- [13] If the permittee collects more than one grab sample on a given day for pH, the values shall not be averaged for reporting daily maximums or daily minimums. The permittee must report the individual minimum and the individual maximum pH value of any sample during the month on the Monthly Monitoring Report form.

3.2 Permit Processing/Public Comment

Pursuant to IC 13-15-5-1, IDEM will publish the draft permit document online at <https://www.in.gov/idem/public-notices/>. Additional information on public participation can be found in the "Citizens' Guide to IDEM", available at <https://www.in.gov/idem/resources/citizens-guide-to-idem/>. A 30-day comment period is available to solicit input from interested parties, including the public.