

Loethen, Katie

From: Loethen, Katie
Sent: Monday, June 28, 2021 4:00 PM
To: 'samuel.norman@nidec-motor.com'
Cc: McWilliams, Carrie; Jain, Anmol; Sears, Jessica; 'charles.menawater@sbcglobal.net'
Subject: AR0036692_Nidec 2018, 2019, 2020, and April 2021 semi annual pretreatment report_20210628

Sam,

Nidec's 2018, 2019, 2020 and April 2021 reports have been electronically received, reviewed, and deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and the Metal Finishing standards in 40 CFR 433.17. No further action is deemed necessary at this time.

Thank you for your timely reports.

Best,

Katie Loethen | Wastewater Engineering Intern
Division of Environmental Quality | Office of Water Quality
Permits Branch
5301 Northshore Drive | North Little Rock, AR 72118
t: 501.683.3001 | e: Katie.loethen@adeq.state.ar.us



ARKANSAS
ENERGY & ENVIRONMENT



Aaron Exley
Environmental, Health & Safety
Manager

April 07, 2020

Adam Yates
ADEQ State Pretreatment Coordinators
5301 Northshore Drive
North Little Rock, AR 72118-5317

Charles Pitman - General Manager
Mena Wastewater Utilities
701 Mena Street
Mena, AR 71953

Dear Mr. Yates, and Mr. Pitman,

In accordance with 40 CFR Part 403.12(e) and 40 CFR 433.17, Nidec Motor Corporation, Mena Plant is submitting its Semi-Annual Discharge Report to you for review.

We have remained compliant for the period October 1, 2019 thru March 31, 2020.

All the testing results are attached to this report.

Sincerely,

Aaron Exley

CC: Mike Spencer – Mena POTW
Justin Relhan - Nidec

NIDEC MOTOR CORPORATION

INDUSTRIAL MOTORS & SYSTEMS – MENA PLANT: 500 North Morrow Street, Mena, AR 71953
PHONE: (479) 394-8741 FAX: (479) 394-8888 EMAIL: aaron.exley@nidec-motor.com

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40 CFR 433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Dis/SPDES Pretreatment

(1) IDENTIFYING INFORMATION

A. LEGAL NAME & MAILING ADDRESS
 Nidec Motor Corporation
 500 N. Morrow St.
 Mena, AR 71953

B. FACILITY & LOCATION ADDRESS
 Nidec Motor Corporation
 500 N. Morrow St.
 Mena, AR 71953

C. FACILITY CONTACT: Aaron Exley **TELEPHONE NUMBER:** 479-394-8741 **e-mail:** aaron.exley@nidec-motor.com

(2) REPORTING PERIOD--FISCAL YEAR From _____ to _____ (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

_____ April _____ & _____ Oct _____

B. PERIOD COVERED BY THIS REPORT

FROM: Oct 2019 **TO:** March 2020

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

- Electroplating
- Electroless Plating
- Anodizing
- Coating
- Chemical Etching and Milling
- Printed Circuit Board Manufacture

ANCILLARY PROCESS(ES)*

LIST BELOW EACH PROCESS USED IN THE FACILITY

Parts washing _____
 Stator Submersion Test _____

*SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS

B. CHANGES:

SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.

No changes
 Renewed Permit MENA02 with City of Mena till 2024.

C. Number of Regular Employees at this Facility
 403

D. [Reserved]

(4) FLOW MEASUREMENT

INDIVIDUAL & TOTAL PROCESS FLOWS DISCHARGED TO POTW IN GALLONS PER DAY

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	67.3	1,100	Batch
Regulated (Cyanide)	-	-	-
' 403.6(e) Unregulated ^a	-	-	-
' 403.6(e) Dilute	-	-	-
Cooling Water BD	21	29	Continuous
Sanitary	10,604	10,700	Continuous
Total Flow to POTW	14,160	14,415	XXXXXXXX

^a"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

- Neutralization
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other _____
- None

B. COMMENTS ON TREATMENT SYSTEM

C. THE INDUSTRIAL USER MUST PERFORM SAMPLING AND ANALYSIS OF THE EFFLUENT FROM ALL REGULATED PROCESSES-- CORE & ANCILLARY--(AFTER TREATMENT, IF APPLICABLE). ATTACH THE LAB ANALYSIS WHICH SHOWS A MAXIMUM; TABULATE ALL THE ANALYTICAL DATA COLLECTED DURING THE REPORT PERIOD IN THE SPACE PROVIDED BELOW. ZERO CONCENTRATIONS ARE NOT ACCEPTABLE; LIST THE DETECTION LIMIT IF CONCENTRATION WAS BELOW DETECTION LIMIT.

Pollutant(mg/l) limits	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Avg	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<.004	<.001	0.076	<0.04	.32	<.007	0.44	<0.01	Na*
Avg Measured**	<.004	<.001	0.076	<0.04	.32	<.007	0.44	<0.01	Na*

Sample Location Discharge from Waste Water Stream

Sample Type (Grab or Composite) Grab

Number of Samples and Frequency Collected 1 every 6 mo. Required

40CFR136 Preservation and Analytical Methods Use: Yes No (include complete Chain of Custody)

*If a TOMP has been submitted and approved by ADEQ place N/A.

**A value here can only be the average of all samples taken during one (1) calendar month.

(6) CERTIFICATION

A. [Reserved]

[Reserved]

B. CHECK ONE: 433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED 433.12(a) TTO CERTIFICATION

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), 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 semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality.

Jim Stroope
(Typed/Printed Name)

Jim Stroope
(Corporate Officer or authorized representative signature)

Date of Signature 4/7/2020

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS)
COUNTY OF Polk)

Before me, the undersigned authority, on this day personally appeared _____ of _____ a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this _____ day of _____, 200__.

Notary Public in and for _____
County, Arkansas

My commission expires _____.

(7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]

'6602 [42 U.S.C. 13101] Findings and Policy para (b) Policy:--The Congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.

The User may list any new or ongoing Pollution Prevention practices:

- Floor drains sealed
- Annual SPCC and SWPPP training / Annual RCRA training
- Annual Hazcom Training
- Batches can be held until test results are received.

(8) GENERAL COMMENTS

(9) SIGNATORY REQUIREMENTS [40CFR403.12(l)]

I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Jim Stroope
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Plant Manager
OFFICIAL TITLE

4/7/2020
DATE SIGNED

**REQUEST FOR CHANGE OF AUTHORIZATION
(CERTIFICATION AND SIGNATORY REQUIREMENTS)**

NPDES Permit Number: ARP000026 /
ARR00A189 /
ARD043664095 / 1013-AR-8 Facility Name: Nidec Motor Corporation

- Type of Change: (check one)
- New Cognizant Official (or duly authorized representative) (sections 1 and 2)
 - New Responsible Official (complete section 2 only)
 - Both (sections 1 and 2)
 - Additional Cognizant Official (or duly authorized representative) (sections 1 and 2)

1. **NEW COGNIZANT OFFICIAL** (or duly authorized representative) (See 122.22(b); the individual, authorized by the ranking official in writing, as **having responsibility for the overall operation** of the regulated facility or activity responsibility, or having overall responsibility for environmental matters for the company.)

The ranking official hereby designates the following **individual** as the cognizant official, (duly authorized representative), for signing the **permit required reports**, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Jim Stroope
Signature of the Cognizant Official (Duly Authorized Representative)

Jim Stroope
Name (First Name, MI, Last Name) Typed or Printed

500 North Morrow Street Mena, AR 71953
Mailing Address City, State, and Zip

Plant Manager (479) 394-6690 None
Title A/C Phone Fax

Email Address: Jim.Stroope@nidec-motor.com

By signature below, the responsible official certifies that the above named **individual** is qualified to act as the duly authorized representative under the provisions of 40 CFR 122.22(b).

2. **RESPONSIBLE OFFICIAL** (Note: The responsible official is the person authorized to sign the permit application via/w 40 CFR 122.22(a). For a Corporation: it is the responsible corporate officer. Partnership or Sole Proprietorship: the general partner or proprietor. Municipality, State, Federal or other Public Agency: the principal executive officer ranking elected official.)

Justin A. Reihan
Signature of the Responsible Official

5/21/19
Date

Justin Reihan
Name (First Name, MI, Last Name) Typed or Printed

8050 West Florissant Avenue St. Louis, MO 63136
Mailing Address City, State, and Zip

Secretary Nidec Motor Corporation (314) 595-8060 None
Title A/C Phone Fax

Email Address: Justin.Reihan@nidec-motor.com

Certification: I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Will the Responsible Official also be the person signing submittals? Yes No



Nidec Motor Corporation
ATTN: Mr. Aaron Exley
500 N Morrow Street
Mena, AR 71953

This report contains the analytical results and supporting information for samples received on February 14, 2020. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.

A handwritten signature in cursive script that reads 'Steve Bradford'.

Steve Bradford
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Nidec Motor Corporation
ATTN: Mr. Aaron Exley
aaron.exley@nidec-motor.com



Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on February 14, 2020
DMR October 1, 2019 - March 31, 2020
P.O. No. 16010558775

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.
Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
242637-1	Titan 1B	12-Feb-2020 1440	
242637-2	Titan 1A	12-Feb-2020 1440	

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
"Standard Methods for the Examination of Water and Wastewaters", (SM).
"American Society for Testing and Materials" (ASTM).
"Association of Analytical Chemists" (AOAC).



Nidec Motor Corporation
 500 N Morrow Street
 Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 242637-1
Sample Identification: Titan 1B 12-Feb-2020 1440

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Cadmium EPA 200.7	Prep: 14-Feb-2020 1129 by 100	< 0.004	0.004	mg/l	
		Analyzed: 17-Feb-2020 1035 by 328		Batch: S48598	
Chromium EPA 200.7	Prep: 14-Feb-2020 1129 by 100	< 0.01	0.01	mg/l	
		Analyzed: 17-Feb-2020 1035 by 328		Batch: S48598	
Copper EPA 200.7	Prep: 14-Feb-2020 1129 by 100	0.076	0.01	mg/l	
		Analyzed: 17-Feb-2020 1035 by 328		Batch: S48598	
Lead EPA 200.7	Prep: 14-Feb-2020 1129 by 100	< 0.04	0.04	mg/l	
		Analyzed: 17-Feb-2020 1035 by 328		Batch: S48598	
Nickel EPA 200.7	Prep: 14-Feb-2020 1129 by 100	0.32	0.01	mg/l	
		Analyzed: 17-Feb-2020 1146 by 328		Batch: S48598	
Silver EPA 200.7	Prep: 14-Feb-2020 1129 by 100	< 0.007	0.007	mg/l	
		Analyzed: 17-Feb-2020 1035 by 328		Batch: S48598	
Zinc EPA 200.7	Prep: 14-Feb-2020 1129 by 100	0.44	0.01	mg/l	
		Analyzed: 17-Feb-2020 1035 by 328		Batch: S48598	

AIC No. 242637-2
Sample Identification: Titan 1A 12-Feb-2020 1440

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide SM 4500-CN C,E 2011	Prep: 14-Feb-2020 1102 by 300	< 0.01	0.01	mg/l	
		Analyzed: 14-Feb-2020 1549 by 300		Batch: W71040	



Nidec Motor Corporation
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Mena, AR 71953

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	94.6	76.6-105			W71040	14Feb20 1102 by 300	14Feb20 1548 by 300		
Cadmium	0.2 mg/l	96.4	85.0-115			S48598	14Feb20 1129 by 100	17Feb20 1032 by 328		
Chromium	0.2 mg/l	93.3	85.0-115			S48598	14Feb20 1129 by 100	17Feb20 1032 by 328		
Copper	0.2 mg/l	90.3	85.0-115			S48598	14Feb20 1129 by 100	17Feb20 1032 by 328		
Lead	2 mg/l	90.6	85.0-115			S48598	14Feb20 1129 by 100	17Feb20 1032 by 328		
Nickel	0.2 mg/l	95.0	85.0-115			S48598	14Feb20 1129 by 100	17Feb20 1143 by 328		
Silver	0.04 mg/l	102	85.0-115			S48598	14Feb20 1129 by 100	17Feb20 1032 by 328		
Zinc	0.2 mg/l	94.1	85.0-115			S48598	14Feb20 1129 by 100	17Feb20 1032 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	242637-2	0.1 mg/l	80.7	64.8-107	W71040	14Feb20 1102 by 300	14Feb20 1551 by 300		
	242637-2	0.1 mg/l	83.7	64.8-107	W71040	14Feb20 1102 by 300	14Feb20 1553 by 300		
	Relative Percent Difference:		3.45	19.4	W71040				
Cadmium	242637-1	0.2 mg/l	86.4	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1038 by 328		
	242637-1	0.2 mg/l	86.7	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1041 by 328		
	Relative Percent Difference:		0.288	20.0	S48598				
Chromium	242637-1	0.2 mg/l	81.3	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1038 by 328		
	242637-1	0.2 mg/l	80.9	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1041 by 328		
	Relative Percent Difference:		0.421	20.0	S48598				
Copper	242637-1	0.2 mg/l	81.1	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1038 by 328		
	242637-1	0.2 mg/l	79.9	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1041 by 328		
	Relative Percent Difference:		1.02	20.0	S48598				
Lead	242637-1	2 mg/l	76.1	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1038 by 328		
	242637-1	2 mg/l	76.2	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1041 by 328		
	Relative Percent Difference:		0.197	20.0	S48598				
Nickel	242637-1	0.2 mg/l	103	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1150 by 328		
	242637-1	0.2 mg/l	92.5	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1154 by 328		
	Relative Percent Difference:		4.13	20.0	S48598				
Silver	242637-1	0.04 mg/l	89.0	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1038 by 328		
	242637-1	0.04 mg/l	87.9	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1041 by 328		
	Relative Percent Difference:		1.19	20.0	S48598				
Zinc	242637-1	0.2 mg/l	95.0	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1038 by 328		
	242637-1	0.2 mg/l	92.8	75.0-125	S48598	14Feb20 1129 by 100	17Feb20 1041 by 328		
	Relative Percent Difference:		0.692	20.0	S48598				



Nidec Motor Corporation
 500 N Morrow Street
 Mena, AR 71953

LABORATORY BLANK RESULTS

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>LOQ</u>	<u>QC Sample</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Qual</u>
Total Cyanide	< 0.0050 mg/l	0.0050	0.01	W71040-1	14Feb20 1102 by 300	14Feb20 1546 by 300	
Cadmium	< 0.004 mg/l	0.004	0.004	S48598-1	14Feb20 1129 by 100	17Feb20 1029 by 328	
Chromium	< 0.009 mg/l	0.009	0.01	S48598-1	14Feb20 1129 by 100	17Feb20 1029 by 328	
Copper	< 0.008 mg/l	0.008	0.01	S48598-1	14Feb20 1129 by 100	17Feb20 1029 by 328	
Lead	< 0.03 mg/l	0.03	0.04	S48598-1	14Feb20 1129 by 100	17Feb20 1029 by 328	
Nickel	< 0.005 mg/l	0.005	0.01	S48598-1	14Feb20 1129 by 100	17Feb20 1139 by 328	
Silver	< 0.004 mg/l	0.004	0.007	S48598-1	14Feb20 1129 by 100	17Feb20 1029 by 328	
Zinc	< 0.009 mg/l	0.009	0.01	S48598-1	14Feb20 1129 by 100	17Feb20 1029 by 328	

