

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 10, 2019

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, 2018 thru March 31, 2019.

All the testing results are attached to this report.

Sincerely,

Aaron Exley

CC: Mike Spencer – Mena POTW
Randy Wiseman - 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 Div/NPDES 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 2018 **TO:** March 2019

(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

C. Number of Regular Employees at this Facility
 _____ 405 _____

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)	88	1,100	Batch
Regulated (Cyanide)	-	-	-
'403.6(e) Unregulated*	-	-	-
'403.6(e) Dilute	-	-	-
Cooling Water BD	23	45	Continuous
Sanitary	13,920	14,174	Continuous
Total Flow to POTW	14,241	14,489	XXXXXXXX

*"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	<.011	0.060	<0.04	.11	<.007	0.37	<0.013	Na*
Avg Measured**	<.004	<.011	0.060	<0.04	.11	<.007	0.37	<0.013	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.

Mark Kinder
(Typed/Printed Name)


(Corporate Officer or authorized representative signature)

Date of Signature 4-10-19

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.

Mark Kinder
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Plant Manager
OFFICIAL TITLE

4-10-19
DATE SIGNED



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 11, 2019. 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 black ink that reads 'Steve Bradford'. The signature is written in a cursive style and is positioned above a horizontal line.

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 11, 2019
DMR October 1, 2018 - March 31, 2019
P.O. No. 16010516387

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>
231510-1	Titan Metals	07-Feb-2019 1810	
231510-2	Titan Cyanide	07-Feb-2019 1810	

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. 231510-1

Sample Identification: Titan Metals 07-Feb-2019 1810

Analyte		Result	RL	Units	Qualifier
Cadmium EPA 200.7	Prep: 11-Feb-2019 0945 by 100	< 0.004 Analyzed: 12-Feb-2019 1556 by 328	0.004	mg/l Batch: S46591	
Chromium EPA 200.7	Prep: 11-Feb-2019 0945 by 100	0.011 Analyzed: 11-Feb-2019 1718 by 328	0.01	mg/l Batch: S46591	
Copper EPA 200.7	Prep: 11-Feb-2019 0945 by 100	0.060 Analyzed: 11-Feb-2019 1718 by 328	0.01	mg/l Batch: S46591	
Lead EPA 200.7	Prep: 11-Feb-2019 0945 by 100	< 0.04 Analyzed: 11-Feb-2019 1718 by 328	0.04	mg/l Batch: S46591	
Nickel EPA 200.7	Prep: 11-Feb-2019 0945 by 100	0.11 Analyzed: 11-Feb-2019 1718 by 328	0.01	mg/l Batch: S46591	
Silver EPA 200.7	Prep: 11-Feb-2019 0945 by 100	< 0.007 Analyzed: 11-Feb-2019 1718 by 328	0.007	mg/l Batch: S46591	
Zinc EPA 200.7	Prep: 11-Feb-2019 0945 by 100	0.37 Analyzed: 11-Feb-2019 1718 by 328	0.01	mg/l Batch: S46591	

AIC No. 231510-2

Sample Identification: Titan Cyanide 07-Feb-2019 1810

Analyte		Result	RL	Units	Qualifier
Total Cyanide SM 4500-CN C,E 2011	Prep: 11-Feb-2019 1102 by 326	0.013 Analyzed: 11-Feb-2019 1705 by 326	0.01	mg/l Batch: W67049	

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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	92.3	85.0-115			W67049	11Feb19 1103 by 326	12Feb19 0835 by 326		
Cadmium	2 mg/l	105	85.0-115			S46591	11Feb19 0946 by 100	12Feb19 1542 by 328		
Chromium	0.2 mg/l	103	85.0-115			S46591	11Feb19 0946 by 100	11Feb19 1704 by 328		
Copper	0.2 mg/l	101	85.0-115			S46591	11Feb19 0946 by 100	11Feb19 1704 by 328		
Lead	2 mg/l	97.0	85.0-115			S46591	11Feb19 0946 by 100	11Feb19 1704 by 328		
Nickel	0.2 mg/l	102	85.0-115			S46591	11Feb19 0946 by 100	11Feb19 1704 by 328		
Silver	0.04 mg/l	104	85.0-115			S46591	11Feb19 0946 by 100	11Feb19 1704 by 328		
Zinc	0.2 mg/l	102	85.0-115			S46591	11Feb19 0946 by 100	11Feb19 1704 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	231393-1	0.1 mg/l	75.4	75.0-125	W67049	11Feb19 1103 by 326	11Feb19 1655 by 326		
	231393-1	0.1 mg/l	78.8	75.0-125	W67049	11Feb19 1103 by 326	11Feb19 1657 by 326		
		Relative Percent Difference:	4.27	20.0	W67049				
Cadmium	231510-1	2 mg/l	91.9	75.0-125	S46591	11Feb19 0946 by 100	12Feb19 1546 by 328		
	231510-1	2 mg/l	92.5	75.0-125	S46591	11Feb19 0946 by 100	12Feb19 1551 by 328		
		Relative Percent Difference:	0.711	20.0	S46591				
Chromium	231510-1	0.2 mg/l	87.1	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1709 by 328		
	231510-1	0.2 mg/l	84.3	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1713 by 328		
		Relative Percent Difference:	3.07	20.0	S46591				
Copper	231510-1	0.2 mg/l	89.4	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1709 by 328		
	231510-1	0.2 mg/l	85.3	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1713 by 328		
		Relative Percent Difference:	3.48	20.0	S46591				
Lead	231510-1	2 mg/l	82.5	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1709 by 328		
	231510-1	2 mg/l	79.8	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1713 by 328		
		Relative Percent Difference:	3.22	20.0	S46591				
Nickel	231510-1	0.2 mg/l	89.2	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1709 by 328		
	231510-1	0.2 mg/l	84.1	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1713 by 328		
		Relative Percent Difference:	3.56	20.0	S46591				
Silver	231510-1	0.04 mg/l	89.4	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1709 by 328		
	231510-1	0.04 mg/l	86.9	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1713 by 328		
		Relative Percent Difference:	2.75	20.0	S46591				
Zinc	231510-1	0.2 mg/l	110	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1709 by 328		
	231510-1	0.2 mg/l	98.2	75.0-125	S46591	11Feb19 0946 by 100	11Feb19 1713 by 328		
		Relative Percent Difference:	4.26	20.0	S46591				



Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

LABORATORY BLANK RESULTS

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>PQL</u>	<u>QC Sample</u>	<u>Preparation Date</u>	<u>Analysis Date</u>	<u>Qual</u>
Total Cyanide	< 0.01 mg/l	0.01	0.01	W67049-1	11Feb19 1103 by 326	11Feb19 1649 by 326	
Cadmium	< 0.004 mg/l	0.004	0.004	S46591-1	11Feb19 0946 by 100	12Feb19 1536 by 328	
Chromium	< 0.01 mg/l	0.01	0.01	S46591-1	11Feb19 0946 by 100	11Feb19 1659 by 328	
Copper	< 0.01 mg/l	0.01	0.01	S46591-1	11Feb19 0946 by 100	11Feb19 1659 by 328	
Lead	< 0.04 mg/l	0.04	0.04	S46591-1	11Feb19 0946 by 100	11Feb19 1659 by 328	
Nickel	< 0.01 mg/l	0.01	0.01	S46591-1	11Feb19 0946 by 100	11Feb19 1659 by 328	
Silver	< 0.007 mg/l	0.007	0.007	S46591-1	11Feb19 0946 by 100	11Feb19 1659 by 328	
Zinc	< 0.01 mg/l	0.01	0.01	S46591-1	11Feb19 0946 by 100	11Feb19 1659 by 328	



To Whom It May Concern:

In accordance with Federal, State, and Local environmental, health and safety laws, I am notifying you that, as a responsible corporate officer for Nidec Motor Corporation, I have authorized the person [or "persons"] holding the position [or "positions"] of Vice President-Operations, as well as our Environmental and Safety Director of Nidec Motor Corporation, as well as the following position(s), at our USA locations, responsibility for the overall operation of the regulated facility or activity or environmental matters to sign all reports required by permits and/or other information as requested by the area, or regional environmental Director. You may contact me at 314-595-8060 as well as our Director of Environmental & Safety at 573-276-5705 should you have any questions regarding this matter.

Position(s) authorized at our US facilities:

President, Operations

Vice President, Operations

Vice President, Logistics

Director of Logistics

Plant Managers

E&S Coordinator(s)

Sincerely,

Justin Relihan, Secretary
Nidec Motor Corporation
8050 West Florissant Avenue
St. Louis, MO 63136