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

Nidec
All for dreams

Sam Norman
Environmental, Health & Safety Manager

March 24, 2021

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, 2020 thru March 31, 2021.

All the testing results are attached to this report.

Sincerely,

Sam Norman

Sam Norman

CC: Mike Spencer – Mena POTW
Kelly Martin - Nidec

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: Samuel H. Norman TELEPHONE NUMBER: 479-394-8741 e-mail: samuel.norman@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 & October

B. PERIOD COVERED BY THIS REPORT

FROM: October 2020 TO: March 2021

(3) DESCRIPTION OF OPERATION

A. REGULATED PROCESSES

CORE PROCESS(ES)

CHECK EACH APPLICABLE BLOCK

G Electroplating
X Electroless Plating
G Anodizing
G Coating
G Chemical Etching and Milling
G 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.

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 & Anc)	43.9	1,100	Batch
Regulated (Cyanide)	-	-	-
'403.6(e) Unregulated*	-	-	-
'403.6(e) Dilute	-	-	-
Cooling Water BD	20	38	Continuous
Sanitary	13,128	13,899	Continuous
Total Flow to POTW	13,488	14,184	XXXXXXXX

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

(5) MEASUREMENT OF POLLUTANTS

A. TYPE OF TREATMENT SYSTEM

CHECK EACH APPLICABLE BLOCK

G Neutralization
X Chemical Precipitation and Sedimentation
G Chromium Reduction
G Cyanide Destruction
G Other _____
G 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	.026	0.033	<0.04	.340	<.007	0.072	<0.01	Na*
Avg Measured**	<.004	.026	0.033	<0.04	.340	<.007	0.072	<0.01	Na*

Sample Location: Discharge from Wastewater Stream

Sample Type (Grab or Composite): Grab

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

40CFR136 Preservation and Analytical Methods Use: X Yes G 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: G '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED G '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 07/24/2021

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:

1. **Floor drains sealed.**
2. **Annual SPCC and SWPPP training / Annual RCRA training.**
3. **Annual Hazardous Communication Training.**
4. **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

Jim Stroope
SIGNATURE

Plant Manager
OFFICIAL TITLE

03/24/2021
DATE SIGNED

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
ATTN: Mr. Samuel H. Norman
500 N Morrow Street
Mena, AR 71953

This report contains the analytical results and supporting information for samples received on March 19, 2021. 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.

Steve Bradford
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Nidec Motor Corporation
ATTN: Mr. Samuel H. Norman
samuel.norman@nidec-motor.com

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

SAMPLE INFORMATION

Project Description:
One (1) water sample(s) received on March 19, 2021
DMR OCT 1, 2020- March 31, 2021
P.O. No. 16010607446

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:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
253800-1	Titan 1A	17-Mar-2021 1510	
253800-2	Titan 1B	17-Mar-2021 1510	

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).

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 253800-1
Sample Identification: Titan 1A 17-Mar-2021 1510

Analyte		Result	RL	Units	Qualifier
Cadmium		**< 0.004**	0.004	**mg/l**	
EPA 200.7	Prep: 22-Mar-2021 0819 by 330	Analyzed: 22-Mar-2021 1204 by 328		Batch: S50734	
Chromium		**0.026**	0.01	**mg/l**	
EPA 200.7	Prep: 22-Mar-2021 0819 by 330	Analyzed: 22-Mar-2021 1204 by 328		Batch: S50734	
Copper		**0.033**	0.01	**mg/l**	
EPA 200.7	Prep: 22-Mar-2021 0819 by 330	Analyzed: 22-Mar-2021 1204 by 328		Batch: S50734	
Lead		**< 0.04**	0.04	**mg/l**	
EPA 200.7	Prep: 22-Mar-2021 0819 by 330	Analyzed: 22-Mar-2021 1204 by 328		Batch: S50734	
Nickel		**0.34**	0.01	**mg/l**	
EPA 200.7	Prep: 22-Mar-2021 0819 by 330	Analyzed: 22-Mar-2021 1204 by 328		Batch: S50734	
Silver		**< 0.007**	0.007	**mg/l**	
EPA 200.7	Prep: 22-Mar-2021 0819 by 330	Analyzed: 22-Mar-2021 1204 by 328		Batch: S50734	
Zinc		**0.072**	0.01	**mg/l**	
EPA 200.7	Prep: 22-Mar-2021 0819 by 330	Analyzed: 22-Mar-2021 1223 by 328		Batch: S50734	

AIC No. 253800-2
Sample Identification: Titan 1B 17-Mar-2021 1510

Analyte		Result	RL	Units	Qualifier
Total Cyanide		**< 0.01**	0.01	**mg/l**	
SM 4500-CN C,E 2011	Prep: 22-Mar-2021 0920 by 347	Analyzed: 22-Mar-2021 1632 by 347		Batch: W75239	

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
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	106	72.1-107			W75239	22Mar21 0921 by 347	22Mar21 1620 by 347		
Cadmium	0.2 mg/l	94.4	85.0-115			S50734	22Mar21 0819 by 330	22Mar21 1144 by 328		
Chromium	0.2 mg/l	96.8	85.0-115			S50734	22Mar21 0819 by 330	22Mar21 1144 by 328		
Copper	0.2 mg/l	87.0	85.0-115			S50734	22Mar21 0819 by 330	22Mar21 1144 by 328		
Lead	2 mg/l	88.0	85.0-115			S50734	22Mar21 0819 by 330	22Mar21 1144 by 328		
Nickel	0.2 mg/l	92.3	85.0-115			S50734	22Mar21 0819 by 330	22Mar21 1144 by 328		
Silver	0.04 mg/l	102	85.0-115			S50734	22Mar21 0819 by 330	22Mar21 1144 by 328		
Zinc	0.2 mg/l	97.0	85.0-115			S50734	22Mar21 0819 by 330	22Mar21 1213 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	253760-10	0.1 mg/l	102	59.7-113	W75239	22Mar21 0921 by 347	22Mar21 1624 by 347		
	253760-10	0.1 mg/l	99.2	59.7-113	W75239	22Mar21 0921 by 347	22Mar21 1626 by 347		
	Relative Percent Difference:		3.09	11.5	W75239				
Cadmium	253851-1	0.2 mg/l	83.8	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1147 by 328		
	253851-1	0.2 mg/l	88.5	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1150 by 328		
	Relative Percent Difference:		5.44	20.0	S50734				
Chromium	253851-1	0.2 mg/l	88.0	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1147 by 328		
	253851-1	0.2 mg/l	90.7	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1150 by 328		
	Relative Percent Difference:		2.96	20.0	S50734				
Copper	253851-1	0.2 mg/l	76.7	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1147 by 328		
	253851-1	0.2 mg/l	80.5	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1150 by 328		
	Relative Percent Difference:		4.26	20.0	S50734				
Lead	253851-1	2 mg/l	77.5	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1147 by 328		
	253851-1	2 mg/l	81.0	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1150 by 328		
	Relative Percent Difference:		4.39	20.0	S50734				
Nickel	253851-1	0.2 mg/l	81.2	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1147 by 328		
	253851-1	0.2 mg/l	86.6	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1150 by 328		
	Relative Percent Difference:		5.51	20.0	S50734				
Silver	253851-1	0.04 mg/l	83.9	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1147 by 328		
	253851-1	0.04 mg/l	85.1	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1150 by 328		
	Relative Percent Difference:		1.42	20.0	S50734				
Zinc	253851-1	0.2 mg/l	89.3	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1215 by 328		
	253851-1	0.2 mg/l	88.2	75.0-125	S50734	22Mar21 0819 by 330	22Mar21 1218 by 328		
	Relative Percent Difference:		1.07	20.0	S50734				

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Cyanide	< 0.0050 mg/l	0.0050	0.01	W75239-1	22Mar21 0921 by 347	22Mar21 1618 by 347	
Cadmium	< 0.004 mg/l	0.004	0.004	S50734-1	22Mar21 0819 by 330	22Mar21 1141 by 328	
Chromium	< 0.009 mg/l	0.009	0.01	S50734-1	22Mar21 0819 by 330	22Mar21 1141 by 328	
Copper	< 0.008 mg/l	0.008	0.01	S50734-1	22Mar21 0819 by 330	22Mar21 1141 by 328	
Lead	< 0.03 mg/l	0.03	0.04	S50734-1	22Mar21 0819 by 330	22Mar21 1141 by 328	
Nickel	< 0.005 mg/l	0.005	0.01	S50734-1	22Mar21 0819 by 330	22Mar21 1141 by 328	
Silver	< 0.004 mg/l	0.004	0.007	S50734-1	22Mar21 0819 by 330	22Mar21 1141 by 328	
Zinc	< 0.009 mg/l	0.009	0.01	S50734-1	22Mar21 0819 by 330	22Mar21 1211 by 328	

AMERICAN INTERPLEX
Corporation Laboratories
8600 Kanis Road
Little Rock, AR 72204

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client:	Nidec Motor Corporation
Project Reference	DMR October 1, 2020 - March 31, 2021
Project Manager:	Samuel Norman
Sampled By:	Marcus A. Looney [signature]
PO No.	
AIC CONTROL NO:	253800
AIC PROPOSAL NO:	
Carrier:/Tracking No:	Fedex 9484 9116 6080
Received Temperature C	5.1

AIC no.	Sample Identification	Date / Time Collected	GRAB	COMP	WATER	SOIL	NO OF BOTTLES	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN					Remarks
1	Titan 1A	3/17/2021 15:10	X		X		1	X	X	X	X	X	X	X						pH 8.76 @ Sample Time
2	Titan 1B	3/17/2021 15:10	X		X		1								X					pH 8.76 @ Sample Time
		Container Type						P	P	P	P	P	P	P	P					
		Preservative						N	N	N	N	N	N	N	B					Field pH calibration on 3/17/21 @ 8:00 AM Buffer: 4.01 & 10.01

G = Glass P = Plastic V = VOA vials H = HCl to pH2 T = Sodium Thiosulfate
NO = none S = Sulfuric acid pH2 N = Nitric acid pH2 B = NaOH to pH12 Z = Zinc acetate

Turnaround Time Requested: (please circle)
NORMAL or EXPEDITED IN 1 DAY
Expedited results requested by: Samuel Norman
Who should AIC contact with questions: Samuel Norman
Phone: 479-216-2743 Fax: 479-394-8777
Report Attention to: Samuel Norman
Report Address to: Nidec Motor Corporation
500 N. Morrow St.
Mena, AR 71953

Relinquished By: Marcus A. Looney	Date/Time 3-18-21 8:16 am	Received By: Cheyenne Mayfield	Date/Time 3/18/21 8:17 am
Relinquished By:	Date/Time	Received in Lab By: [signature]	Date/Time 3-19-21 1013

Comments: Field pH taken from raw sample before placing in sample containers. Purpose of sample is compliance with 40 CFR 403.12(e.) and 40 CFR 433.17. Requirement for Preservation and Analysis conducted in compliance with 40 CFR 136