

Belcourt, Jamie

From: Belcourt, Jamie
Sent: Tuesday, April 12, 2022 2:02 PM
To: 'samuel.normal@nidec-motor.com'
Cc: McWilliams, Carrie; Wassell, Stacie
Subject: AR0036692_Nidec April 2022 Semiannual Pretreatment Report_20220412

Sam,

Thank you for your April 2022 semi-annual pretreatment report. The report was received, reviewed, and deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and more specifically in compliance with the Metal Finishing standards in 40 CFR 433.14.

If you have any questions, please feel free to contact me.

Regards,

Jamie Belcourt | Pretreatment Coordinator
Division of Environmental Quality | Office of Water Quality
5301 Northshore Drive | North Little Rock, AR 72118
t: 501.682.0858 | e: jamie.belcourt@adeq.state.ar.us



ARKANSAS
ENERGY & ENVIRONMENT



Sam Norman
Environmental Health & Safety Manager

April 6, 2022

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, 2021 to March 31, 2022.

Analytical test results are attached to this report.

Sincerely,

Sam Norman

CC: Mike Spencer – Mena POTW
Kelly Martin - Nidec
Steven Holland - 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/SPDES Pretreatment

(1) IDENTIFYING INFORMATION	
<p>A. LEGAL NAME & MAILING ADDRESS Nidec Motor Corporation 500 N. Morrow St. Mena, AR 71953</p>	<p>B. FACILITY & LOCATION ADDRESS Nidec Motor Corporation 500 N. Morrow St. Mena, AR 71953</p>
<p>C. FACILITY CONTACT: Samuel H. Norman TELEPHONE NUMBER: 479-394-8741 e-mail: samuel.norman@nidec-motor.com</p>	
(2) REPORTING PERIOD--FISCAL YEAR From to (Both Semi-Annual Reports must cover Fiscal Year)	
<p>A. MONTHS WHICH REPORTS ARE DUE April & October</p>	<p>B. PERIOD COVERED BY THIS REPORT FROM: October 2021 TO: March 2022</p>
(3) DESCRIPTION OF OPERATION	
<p>A. REGULATED PROCESSES</p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p><input type="checkbox"/> Electroplating <input checked="" type="checkbox"/> Electroless Plating <input type="checkbox"/> Anodizing <input type="checkbox"/> Coating <input type="checkbox"/> Chemical Etching and Milling <input type="checkbox"/> Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p>Parts washing Stator Submersion Test</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>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.</p> <p align="center">No changes.</p>
<p><small>SEE 40CFR433.10(a) FOR THE 40 ANCILLARY OPERATIONS</small></p>	
<p>C. Number of Regular Employees at this Facility 403</p>	<p>D. [Reserved]</p>

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Anc)	31.5	1,100	Batch
Regulated (Cyanide)	-	-	-
' 403.6(e) Unregulated'	-	-	-
' 403.6(e) Dilute	-	-	-
Cooling Water BD	18	38	Continuous
Sanitary	12,520	13,899	Continuous
Total Flow to POTW	12,860	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

- 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	<.005	.023	0.27	<0.04	<0.01	<0.007	0.078	<0.5	Na*
Avg Measured**	<.005	.023	0.27	<0.04	<0.01	<0.007	0.078	<0.5	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: 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

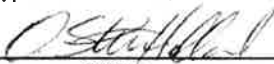
A. [Reserved]

[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.

Steven Holland
(Typed/Printed Name)


(Corporate Officer or authorized representative signature)

Date of Signature 4-6-2022

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.]

16602 [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(I)]

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.

Steven Holland
NAME OF CORPORATE OFFICER
OR AUTHORIZED REPRESENTATIVE


SIGNATURE

Regional HR Manager
OFFICIAL TITLE

4-6-2022
DATE SIGNED



March 22, 2022
Control No. 263933
Page 1 of 5

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 21, 2022. 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.



John Overbey by LP
Chief Operating Officer

This document has been distributed to the following:

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

Nidec Motor Corporation
ATTN: Mr. Marcus Looney
marcus.looney@nidec-motor.com



Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on March 21, 2022
DMR October 1, 2021 - March 31, 2022
P.O. No. 16010645134

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>
263933-1	Alkota 1A	17-Mar-2022 1100	
263933-2	Alkota 1B	17-Mar-2022 1100	1

Notes:

1. Received temperature of samples did not meet regulatory requirements

Qualifiers:

- D Result is from a secondary dilution factor

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. 263933-1

Sample Identification: Alkota 1A 17-Mar-2022 1100

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Cadmium EPA 200.7	Prep: 21-Mar-2022 1103 by 328	0.0050 Analyzed: 21-Mar-2022 1503 by 328	0.004	mg/l	
				Batch: S52356	
Chromium EPA 200.7	Prep: 21-Mar-2022 1103 by 328	0.023 Analyzed: 21-Mar-2022 1600 by 328	0.01	mg/l	
				Batch: S52356	
Copper EPA 200.7	Prep: 21-Mar-2022 1103 by 328	0.27 Analyzed: 21-Mar-2022 1600 by 328	0.01	mg/l	
				Batch: S52356	
Lead EPA 200.7	Prep: 21-Mar-2022 1103 by 328	< 0.04 Analyzed: 21-Mar-2022 1503 by 328	0.04	mg/l	
				Batch: S52356	
Nickel EPA 200.7	Prep: 21-Mar-2022 1103 by 328	< 0.01 Analyzed: 21-Mar-2022 1600 by 328	0.01	mg/l	
				Batch: S52356	
Silver EPA 200.7	Prep: 21-Mar-2022 1103 by 328	< 0.007 Analyzed: 21-Mar-2022 1503 by 328	0.007	mg/l	
				Batch: S52356	
Zinc EPA 200.7	Prep: 21-Mar-2022 1103 by 328	0.078 Analyzed: 21-Mar-2022 1503 by 328	0.01	mg/l	
				Batch: S52356	

AIC No. 263933-2

Sample Identification: Alkota 1B 17-Mar-2022 1100

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide SM 4500-CN C,E 2011	Prep: 21-Mar-2022 1103 by 347	< 0.5 Analyzed: 21-Mar-2022 1602 by 347	0.5	mg/l	D
				Batch: W78991	Dil: 50



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	76.2-121			W78991	21Mar22 1103 by 347	21Mar22 1508 by 347		
Cadmium	0.2 mg/l	98.6	85.0-115			S52356	21Mar22 1103 by 328	21Mar22 1453 by 328		
Chromium	0.2 mg/l	101	85.0-115			S52356	21Mar22 1103 by 328	21Mar22 1550 by 328		
Copper	0.2 mg/l	101	85.0-115			S52356	21Mar22 1103 by 328	21Mar22 1550 by 328		
Lead	2 mg/l	95.8	85.0-115			S52356	21Mar22 1103 by 328	21Mar22 1453 by 328		
Nickel	0.2 mg/l	99.5	85.0-115			S52356	21Mar22 1103 by 328	21Mar22 1550 by 328		
Silver	0.04 mg/l	108	85.0-115			S52356	21Mar22 1103 by 328	21Mar22 1453 by 328		
Zinc	0.2 mg/l	105	85.0-115			S52356	21Mar22 1103 by 328	21Mar22 1453 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	263866-2	0.1 mg/l	105	77.2-122	W78991	21Mar22 1103 by 347	21Mar22 1512 by 347		
	263866-2	0.1 mg/l	99.8	77.2-122	W78991	21Mar22 1103 by 347	21Mar22 1514 by 347		
	Relative Percent Difference:		4.98	12.9		W78991			
Cadmium	263838-3	0.2 mg/l	85.3	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1455 by 328		
	263838-3	0.2 mg/l	86.4	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1457 by 328		
	Relative Percent Difference:		1.27	20.0		S52356			
Chromium	263838-3	0.2 mg/l	93.3	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1552 by 328		
	263838-3	0.2 mg/l	93.8	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1555 by 328		
	Relative Percent Difference:		0.534	20.0		S52356			
Copper	263838-3	0.2 mg/l	88.4	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1552 by 328		
	263838-3	0.2 mg/l	88.9	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1555 by 328		
	Relative Percent Difference:		0.464	20.0		S52356			
Lead	263838-3	2 mg/l	80.3	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1455 by 328		
	263838-3	2 mg/l	80.1	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1457 by 328		
	Relative Percent Difference:		0.304	20.0		S52356			
Nickel	263838-3	0.2 mg/l	83.0	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1552 by 328		
	263838-3	0.2 mg/l	82.5	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1555 by 328		
	Relative Percent Difference:		0.574	20.0		S52356			
Silver	263838-3	0.04 mg/l	92.0	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1455 by 328		
	263838-3	0.04 mg/l	93.5	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1457 by 328		
	Relative Percent Difference:		1.49	20.0		S52356			
Zinc	263838-3	0.2 mg/l	96.9	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1455 by 328		
	263838-3	0.2 mg/l	102	75.0-125	S52356	21Mar22 1103 by 328	21Mar22 1457 by 328		
	Relative Percent Difference:		1.19	20.0		S52356			



Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC		Analysis Date	Qual
				Sample	Preparation Date		
Total Cyanide	< 0.0085 mg/l	0.0085	0.01	W78991-1	21Mar22 1103 by 347	21Mar22 1507 by 347	
Cadmium	< 0.002 mg/l	0.002	0.004	S52356-1	21Mar22 1103 by 328	21Mar22 1450 by 328	
Chromium	< 0.005 mg/l	0.005	0.01	S52356-1	21Mar22 1103 by 328	21Mar22 1547 by 328	
Copper	< 0.006 mg/l	0.006	0.01	S52356-1	21Mar22 1103 by 328	21Mar22 1547 by 328	
Lead	< 0.02 mg/l	0.02	0.04	S52356-1	21Mar22 1103 by 328	21Mar22 1450 by 328	
Nickel	< 0.005 mg/l	0.005	0.01	S52356-1	21Mar22 1103 by 328	21Mar22 1547 by 328	
Silver	< 0.004 mg/l	0.004	0.007	S52356-1	21Mar22 1103 by 328	21Mar22 1450 by 328	
Zinc	< 0.007 mg/l	0.007	0.01	S52356-1	21Mar22 1103 by 328	21Mar22 1450 by 328	

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

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client: Nidec Motor Corporation			PO No.		NO OF BOTTLES	ANALYSIS REQUESTED										AIC CONTROL NO: 763933	
Project Reference: DMR October 1, 2021 - March 31, 2022			SAMPLE MATRIX													AIC PROPOSAL NO:	
Project Manager: Samuel Norman			G R A B	C O M P	W A T E R	S O I L	S	C U	C U	P P	N	A g	Z n	C U	Carrier/Tracking No: FX		
Sampled By: Marcus A. Looney																	
AIC no.	Sample Identification	Date / Time Collected											Remarks				
1	Alkota 1A	3/17/2022 11:00	X		X		1	X	X	X	X	X	X	X		pH 8.65 @ 23 C	
2	Alkota 1B	3/17/2022 11:00	X		X		1							X		pH 8.65 @ 23 C	
													Field pH calibration on 3/17/22 @ 8:30 am				
Container Type													Buffer: 4.01 & 10.01				
Preservative																	
G = Glass NO = none			P = Plastic S = Sulfuric acid pH2			V = VOA vials N = Nitric acid pH2			H = HCl to pH2 B = NaOH to pH12			T = Sodium Thiosulfate Z = Zinc acetate					
Turnaround Time Requested: (please circle) NORMAL or EXPEDITED IN 1 DAY						Relinquished By: <i>Marcus A. Looney</i>		Date/Time: <i>3-18-22 8:23 PM</i>		Received By:		Date/Time:					
Expedited results requested by: Samuel Norman						Relinquished By:		Date/Time:		Received in Lab By: <i>D. BROWN</i>		Date/Time: <i>3-21-22 0835</i>					
Who should AIC contact with questions: Samuel Norman						Comments: Expedited results requested by 3/22/22, to be sent electronically to Samuel Norman at the email provided, and also to Marcus Looney, Marcus.Looney@nidec-motor.com.											
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																	
Email Address: Samuel.Norman@nidec-motor.com																	

TRX# 9404 9117 2988
 0201

Nidec

NIDEC MOTOR CORPORATION

Nidec Motor Corporation
500 Morrow St.
Mena, AR 71953

ADDRESS SERVICE REQUESTED



7017 1000 0001 0819 8728



First Class Mail

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

