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

Aaron Exley
Environmental, Health & Safety Manager

April 5, 2018

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, 2017 thru March 31, 2018.

All the testing results are attached to this report.

Sincerely,

Aaron Exley

Aaron Exley

CC: Mike Spencer – Mena POTW
Randy Wiseman - 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: 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

_____Oct_____ & _____April_____

B. PERIOD COVERED BY THIS REPORT

FROM: Oct 2017 TO: March 2018

(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.

C. Number of Regular Employees at this Facility
____388_____

D. [Reserved]

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: _Nidec Motor Corp.

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core &	73.24	1,100	Batch
Regulated (Cyanide)	-	-	-
'403.6(e) Unregulated*	-	-	-
'403.6(e) Dilute	-	-	-
Cooling Water BD	44.16	63	Continuous
Sanitary	13671.5	13,824	Continuous
Total Flow to POTW	13,906	14,284	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

No changes to process

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	.0048	<.01	0.093	<0.04	.10	<.007	.50	<0.01	Na*
Avg Measured**	.0048	<.01	0.093	<0.04	.10	<.007	0.50	<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: 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.

__Mark Kinder_____
(Typed/Printed Name)

(Corporate Officer or authorized representative signature)

Date of Signature 4-5-18

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 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 _____ 4-5-18
OFFICIAL TITLE DATE SIGNED

Nidec
All for dreams

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

AMERICAN INTERPLEX CORPORATION
LABORATORIES

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 submitted on November 10, 2017. 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
Chief Operating Officer

This document has been distributed to the following:

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

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

SAMPLE INFORMATION

Project Description:
Two (2) water sample(s) received on November 10, 2017
Titan Treated Wastewater
P.O. No. 16010461966

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
217902-1	Titan #1A	09-Nov-2017 1300	
217902-2	Titan #1B	09-Nov-2017 1300	

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).

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500 N Morrow Street
Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 217902-1
Sample Identification: Titan #1A 09-Nov-2017 1300

Analyte		Result	RL	Units	Qualifier
Cadmium		**0.0048**	0.004	**mg/l**	
EPA 200.7	Prep: 10-Nov-2017 1443 by 328	Analyzed: 10-Nov-2017 1743 by 328		Batch: S44207	
Chromium		**< 0.01**	0.01	**mg/l**	
EPA 200.7	Prep: 10-Nov-2017 1443 by 328	Analyzed: 10-Nov-2017 1743 by 328		Batch: S44207	
Copper		**0.093**	0.006	**mg/l**	
EPA 200.7	Prep: 10-Nov-2017 1443 by 328	Analyzed: 10-Nov-2017 1743 by 328		Batch: S44207	
Lead		**< 0.04**	0.04	**mg/l**	
EPA 200.7	Prep: 10-Nov-2017 1443 by 328	Analyzed: 10-Nov-2017 1743 by 328		Batch: S44207	
Nickel		**0.10**	0.01	**mg/l**	
EPA 200.7	Prep: 10-Nov-2017 1443 by 328	Analyzed: 10-Nov-2017 1743 by 328		Batch: S44207	
Silver		**< 0.007**	0.007	**mg/l**	
EPA 200.7	Prep: 10-Nov-2017 1443 by 328	Analyzed: 10-Nov-2017 1743 by 328		Batch: S44207	
Zinc		**0.50**	0.01	**mg/l**	
EPA 200.7	Prep: 10-Nov-2017 1443 by 328	Analyzed: 10-Nov-2017 1743 by 328		Batch: S44207	

AIC No. 217902-2
Sample Identification: Titan #1B 09-Nov-2017 1300

Analyte		Result	RL	Units	Qualifier
Total Cyanide		**< 0.01**	0.01	**mg/l**	
SM 4500-CN C,E 1999	Prep: 13-Nov-2017 0823 by 300	Analyzed: 13-Nov-2017 1359 by 300		Batch: W61932	

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	105	85.0-115			W61932	13Nov17 0823 by 300	13Nov17 1345 by 300		
Cadmium	5 mg/l	97.2	85.0-115			S44207	10Nov17 1443 by 328	10Nov17 1726 by 328		
Chromium	0.5 mg/l	97.2	85.0-115			S44207	10Nov17 1443 by 328	10Nov17 1726 by 328		
Copper	0.5 mg/l	97.4	85.0-115			S44207	10Nov17 1443 by 328	10Nov17 1726 by 328		
Lead	5 mg/l	94.6	85.0-115			S44207	10Nov17 1443 by 328	10Nov17 1726 by 328		
Nickel	0.5 mg/l	95.8	85.0-115			S44207	10Nov17 1443 by 328	10Nov17 1726 by 328		
Silver	0.1 mg/l	99.8	85.0-115			S44207	10Nov17 1443 by 328	10Nov17 1726 by 328		
Zinc	0.5 mg/l	94.4	85.0-115			S44207	10Nov17 1443 by 328	10Nov17 1726 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	217891-1	0.1 mg/l	89.3	75.0-125	W61932	13Nov17 0823 by 300	13Nov17 1349 by 300		
	217891-1	0.1 mg/l	87.4	75.0-125	W61932	13Nov17 0823 by 300	13Nov17 1351 by 300		
	Relative Percent Difference:		1.94	20.0	W61932				
Cadmium	217902-1	5 mg/l	89.3	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1730 by 328		
	217902-1	5 mg/l	94.7	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1733 by 328		
	Relative Percent Difference:		5.86	20.0	S44207				
Chromium	217902-1	0.5 mg/l	87.1	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1730 by 328		
	217902-1	0.5 mg/l	93.5	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1733 by 328		
	Relative Percent Difference:		7.05	20.0	S44207				
Copper	217902-1	0.5 mg/l	92.7	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1730 by 328		
	217902-1	0.5 mg/l	102	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1733 by 328		
	Relative Percent Difference:		7.65	20.0	S44207				
Lead	217902-1	5 mg/l	83.4	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1730 by 328		
	217902-1	5 mg/l	89.0	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1733 by 328		
	Relative Percent Difference:		6.50	20.0	S44207				
Nickel	217902-1	0.5 mg/l	83.0	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1730 by 328		
	217902-1	0.5 mg/l	89.8	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1733 by 328		
	Relative Percent Difference:		6.40	20.0	S44207				
Silver	217902-1	0.1 mg/l	93.5	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1730 by 328		
	217902-1	0.1 mg/l	101	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1733 by 328		
	Relative Percent Difference:		7.71	20.0	S44207				
Zinc	217902-1	0.5 mg/l	80.2	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1730 by 328		
	217902-1	0.5 mg/l	93.4	75.0-125	S44207	10Nov17 1443 by 328	10Nov17 1733 by 328		
	Relative Percent Difference:		7.18	20.0	S44207				

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
Total Cyanide	< 0.01 mg/l	0.01	0.01	W61932-1	13Nov17 0823 by 300	13Nov17 1343 by 300	
Cadmium	< 0.004 mg/l	0.004	0.004	S44207-1	10Nov17 1443 by 328	10Nov17 1723 by 328	
Chromium	< 0.01 mg/l	0.01	0.01	S44207-1	10Nov17 1443 by 328	10Nov17 1723 by 328	
Copper	< 0.006 mg/l	0.006	0.006	S44207-1	10Nov17 1443 by 328	10Nov17 1723 by 328	
Lead	< 0.04 mg/l	0.04	0.04	S44207-1	10Nov17 1443 by 328	10Nov17 1723 by 328	
Nickel	< 0.01 mg/l	0.01	0.01	S44207-1	10Nov17 1443 by 328	10Nov17 1723 by 328	
Silver	< 0.007 mg/l	0.007	0.007	S44207-1	10Nov17 1443 by 328	10Nov17 1723 by 328	
Zinc	< 0.01 mg/l	0.01	0.01	S44207-1	10Nov17 1443 by 328	10Nov17 1723 by 328	

AMERICAN INTERPLEX
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CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client:	Nidec Motor Corporation				PO No.			NO OF BOTTLES	ANALYSIS REQUESTED															AIC CONTROL NO: 217902	
Project Reference	Titan Treated Waste Water				SAMPLE MATERIX																			AIC PROPOSAL NO:	
Project Manager:	Aaron Exley																							Carrier/Tracking No: FED, X	
Sampled By:	Marcus A. Looney																							Received Temperature C 1.6	
AIC no.	Sample Identification	Date / Time Collected	GRAB	COMP	WATER	SOIL			Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN								Remarks	
1	Titan #1A	11/9/2017 13:00	X		X			1	X	X	X	X	X	X	X									pH 8.59	
2	Titan #1B	11/9/2017 13:00	X		X			1								X								pH 8.59	
		Container Type							P	P	P	P	P	P	P	P	P							Field pH calibration	
		Prservative							N	N	N	N	N	N	N	N	B							on 11/9/17 @ 1:00 PM	
	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						Buffer: 7.00 and 10.01	

Turnaround Time Requested: (please circle)
NORMAL or EXPEDITED IN 1 DAYS
Expedited results requested by: 11/13/2017
Who should AIC contact with questions: Aaron Exley
Phone: 479-216-3109 Fax: 479-394-8777
Report Attention to : Aaron Exley
Report Address to: Nidec Motor Corporation
500 N. Morrow St.
Mena, AR 71953

Relinquished By:	Date/Time	Received By:	Date/Time
Marcus A. Looney	11/9/17 1:25 p.m.		
Relinquished By:	Date/Time	Received in Lab By: D. R	Date/Time 11-10-17 0750

Comments
7304 1875 0395