

From: [Gilliam, Allen](#)
To: [Exley, Aaron \[NMCA-MEN\]](#)
Cc: [Wiseman, Randy \[NMCA-STL\]](#); [Denise Georgiou \(Denise.Georgiou@CH2M.com\)](#); [Kinder, Mark \[NMCA-MEN\]](#); [mena charles pitman](#); [Mena Mike Spencer \(menawwtp@gmail.com\)](#); [Burrow, Kealey](#)
Subject: AR0036692_Nidecs ARP000026 Oct 2015 semi annual Pretreatment report_20151015
Date: Thursday, October 15, 2015 3:06:26 PM
Attachments: [DMR Signed Oct. 2015.pdf](#)

Aaron,

Nidec's October 2015 semi-annual Pretreatment report was electronically received, reviewed, 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 433.15.

There are no further actions necessary at this time.

Thank you for your timely report.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

Ec: Charles Pitman, Mena General Manager
Mike Spencer, Mena Wastewater Superintendent
Denise Georgiou, CH2M Hill Consultant Engineer for Mena

E/NPDES/NPDES/Pretreatment/Reports

From: Exley, Aaron [NMCA-MEN] [mailto:aaron.exley@nidec-motor.com]
Sent: Thursday, October 15, 2015 11:35 AM
To: Gilliam, Allen; charles.menawater@SBCglobal.net
Cc: Wiseman, Randy [NMCA-STL]; Mena Mike Spencer (menawwtp@gmail.com) (menawwtp@gmail.com); Denise Georgiou (Denise.Georgiou@CH2M.com); Kinder, Mark [NMCA-MEN]
Subject: DMR Report Oct 2015 Nidec Motor Corporation Mena

This is the electronic copy of the Nidec Motor Corporation Mena, Arkansas DMR for October. A hard copy will be sent Certified Mail today.

Aaron Exley
Environmental Health and Safety Manager
Nidec Motor Corporation
500 N. Morrow St.
Mena, Arkansas 71953
479-394-8741



100 Years of Trust, Innovation and Reliability



Aaron Exley
Environmental, Health & Safety
Manager

October 15, 2015

Allen Gilliam
ADEQ State Pretreatment Coordinator
5301 Northshore Drive
North Little Rock, AR 72118-5317

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

Dear Mr. Gilliam 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 4/1/2015 thru 9/30/2015.

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
 _____ Oct _____ & _____ Apr _____

B. PERIOD COVERED BY THIS REPORT
FROM: Apr. 2015 **TO:** Sept. 2015

(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 to process.

C. Number of Regular Employees at this Facility
 392 _____

D. [Reserved]

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Cyanide)	91.70	1,260	Batch
'403.6(e) Unregulated ^a	-	-	-
'403.6(e) Dilute	-	-	-
Cooling Water BD	84.83	167	Continuous
Sanitary	13,878	13,878	Continuous
Total Flow to POTW	13,963	14,139	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

No changes

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	.012	.0086	0.16	<0.04	0.28	<.007	0.14	0.11	Na*
Avg Measured**	.012	.0086	0.16	<0.04	0.28	<.007	0.14	0.11	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)

10-15-15

Date of Signature _____

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
OFFICIAL TITLE

10-15-15
DATE SIGNED

APPROVED COPY



April 14, 2015
Control No. 189394
Page 1 of 5

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 April 10, 2015. 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 Laboratory Director or a qualified designee.

John Overbey
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 April 10, 2015
Nema Carrousel
P.O. No. 16010338630

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>
189394-1	Nema #1	09-Apr-2015 1000	1
189394-2	Nema #2	09-Apr-2015 1005	

Notes:

1. Sample was received unpreserved

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. 189394-1

Sample Identification: Nema #1 09-Apr-2015 1000

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Cadmium EPA 200.8	Prep: 10-Apr-2015 1139 by 235	0.012 Analyzed: 10-Apr-2015 1238 by 235	0.004	mg/l Batch: S38685	
Chromium EPA 200.8	Prep: 10-Apr-2015 1139 by 235	0.0086 Analyzed: 10-Apr-2015 1238 by 235	0.007	mg/l Batch: S38685	
Copper EPA 200.8	Prep: 10-Apr-2015 1139 by 235	0.16 Analyzed: 10-Apr-2015 1238 by 235	0.006	mg/l Batch: S38685	
Lead EPA 200.8	Prep: 10-Apr-2015 1139 by 235	< 0.04 Analyzed: 10-Apr-2015 1238 by 235	0.04	mg/l Batch: S38685	
Nickel EPA 200.8	Prep: 10-Apr-2015 1139 by 235	0.28 Analyzed: 10-Apr-2015 1238 by 235	0.01	mg/l Batch: S38685	
Silver EPA 200.8	Prep: 10-Apr-2015 1139 by 235	< 0.007 Analyzed: 10-Apr-2015 1238 by 235	0.007	mg/l Batch: S38685	
Zinc EPA 200.8	Prep: 10-Apr-2015 1139 by 235	0.14 Analyzed: 10-Apr-2015 1238 by 235	0.002	mg/l Batch: S38685	

AIC No. 189394-2

Sample Identification: Nema #2 09-Apr-2015 1005

<u>Analyte</u>		<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide SM 4500-CN C,E 1999	Prep: 13-Apr-2015 0835 by 308	0.11 Analyzed: 13-Apr-2015 1126 by 308	0.01	mg/l Batch: W51546	

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	95.5	85.0-115			W51546	13Apr15 0835 by 308	13Apr15 1431 by 308		
Cadmium	0.05 mg/l	98.4	85.0-115			S38685	10Apr15 0906 by 235	10Apr15 1119 by 235		
Chromium	0.05 mg/l	98.2	85.0-115			S38685	10Apr15 0906 by 313	10Apr15 1119 by 235		
Copper	0.05 mg/l	103	85.0-115			S38685	10Apr15 0906 by 313	10Apr15 1119 by 235		
Lead	0.05 mg/l	100	85.0-115			S38685	10Apr15 0906 by 235	10Apr15 1119 by 235		
Nickel	0.05 mg/l	103	85.0-115			S38685	10Apr15 0906 by 313	10Apr15 1119 by 235		
Silver	0.02 mg/l	102	85.0-115			S38685	10Apr15 0906 by 235	10Apr15 1119 by 235		
Zinc	0.05 mg/l	102	85.0-115			S38685	10Apr15 0906 by 313	10Apr15 1119 by 235		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	189335-2	0.1 mg/l	109	75.0-125	W51546	13Apr15 0835 by 308	13Apr15 1435 by 308		
	189335-2	0.1 mg/l	101	75.0-125	W51546	13Apr15 0835 by 308	13Apr15 1436 by 308		
	Relative Percent Difference:		8.11	20.0		W51546			
Cadmium	189292-1	0.05 mg/l	98.4	75.0-125	S38685	10Apr15 0906 by 235	10Apr15 1125 by 235		
	189292-1	0.05 mg/l	98.9	75.0-125	S38685	10Apr15 0906 by 235	10Apr15 1131 by 235		
	Relative Percent Difference:		0.443	20.0		S38685			
Chromium	189292-1	0.05 mg/l	97.6	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1125 by 235		
	189292-1	0.05 mg/l	97.0	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1131 by 235		
	Relative Percent Difference:		0.538	20.0		S38685			
Copper	189292-1	0.05 mg/l	102	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1125 by 235		
	189292-1	0.05 mg/l	102	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1131 by 235		
	Relative Percent Difference:		0.284	20.0		S38685			
Lead	189292-1	0.05 mg/l	100	75.0-125	S38685	10Apr15 0906 by 235	10Apr15 1125 by 235		
	189292-1	0.05 mg/l	99.5	75.0-125	S38685	10Apr15 0906 by 235	10Apr15 1131 by 235		
	Relative Percent Difference:		0.869	20.0		S38685			
Nickel	189292-1	0.05 mg/l	102	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1125 by 235		
	189292-1	0.05 mg/l	103	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1131 by 235		
	Relative Percent Difference:		0.252	20.0		S38685			
Silver	189292-1	0.02 mg/l	97.7	75.0-125	S38685	10Apr15 0906 by 235	10Apr15 1125 by 235		
	189292-1	0.02 mg/l	101	75.0-125	S38685	10Apr15 0906 by 235	10Apr15 1131 by 235		
	Relative Percent Difference:		3.75	20.0		S38685			
Zinc	189292-1	0.05 mg/l	100	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1125 by 235		
	189292-1	0.05 mg/l	99.9	75.0-125	S38685	10Apr15 0906 by 313	10Apr15 1131 by 235		
	Relative Percent Difference:		0.190	20.0		S38685			



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	W51546-1	13Apr15 0835 by 308	13Apr15 1429 by 308	
Cadmium	< 0.004 mg/l	0.004	0.004	S38685-1	10Apr15 0906 by 235	10Apr15 1113 by 235	
Chromium	< 0.007 mg/l	0.007	0.007	S38685-1	10Apr15 0906 by 313	10Apr15 1113 by 235	
Copper	< 0.006 mg/l	0.006	0.006	S38685-1	10Apr15 0906 by 313	10Apr15 1113 by 235	
Lead	< 0.04 mg/l	0.04	0.04	S38685-1	10Apr15 0906 by 235	10Apr15 1113 by 235	
Nickel	< 0.01 mg/l	0.01	0.01	S38685-1	10Apr15 0906 by 313	10Apr15 1113 by 235	
Silver	< 0.007 mg/l	0.007	0.007	S38685-1	10Apr15 0906 by 235	10Apr15 1113 by 235	
Zinc	< 0.002 mg/l	0.002	0.002	S38685-1	10Apr15 0906 by 313	10Apr15 1113 by 235	

