

ALZMC
AC



ARPO000026
57-00007

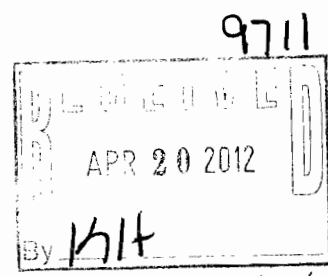


Aaron Exley
Environmental, Health & Safety
Manager

April 18, 2012

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

Mary Timmons
General Manager
Mena Wastewater Utilities
701 Mena Street
Mena, AR 71953



compliant with conditions of permit
#

Dear Mr. Gilliam and Ms. Timmons,

In accordance with 40 CFR Part 403.12(e), Nidec Motor Corporation, Mena Plant is submitting its Semi-Annual Discharge Report to you for review.

We have remained compliant for the period 10/1/2011 – 3/31/2012.

We have made a couple of changes to our waste water treatment system in this period to improve our reliability and consistency. We installed a pH monitor to the first tank and a chemical pump to control the batch pH at this stage. A paddle mixer was also installed to mix the batch to improve precipitation replacing the pump. The first tank has also been replaced with a cone bottom tank of the same size to help move the complete batch of material to the next step in the process. The flat bottom tank always held a few gallons of material which would get mixed in with the next batch.

I would also like to explain some of the data in my Lab Results. The new Alkota washer put on line in the last DMR report, which replaced the OSI Parts Washer, had the first batch processed in December of 2011. Since the process was new we handled the batch special; (a) testing the raw material; (b) a pass at precipitation of the batch; and (c) a second pass at precipitation of the batch. I will include all the testing data for full disclosure, but only the second pass precipitation batch was dumped to the POTW. I will report on those numbers only.

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



Aaron Exley
Environmental, Health & Safety
Manager

We also test the immersion tank in our winding department. This is a process used to spray water over a stator core while energized to detect a short in a wet environment. We tested the water raw and then processed it through the pretreatment system. The water from this system should pass the current requirements without going through the pretreatment system, but there was some confusion on what testing was required resulting in the copper and cyanide being left out and zinc being tested a second time on the same water. We have corrected this with a chain of custody that is filled out in advance indicating what testing is required. With details currently coming out about the Mena City Water Ordinance, we will want to understand how these changes will affect our reporting for the next period.

Sincerely,

Aaron Exley

CC: Mike Spencer – Mena POTW
Matt Cannon – 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 40CFR433

Use of this form is not an EPA/ADEQ requirement.

Attn: Water Div/NPDES Pretreatment

(1) IDENTIFYING INFORMATION

LEGAL NAME & MAILING ADDRESS

Nidec Motor Corporation
500 North Morrow Street
Mena, AR 71953

B. FACILITY & LOCATION ADDRESS

Nidec Motor Corporation
500 North Morrow Street
Mena, AR 71953

C. FACILITY CONTACT: Aaron Exley EH&S Manager

TELEPHONE NUMBER: (479) 394-8741

(2) REPORTING PERIOD--FISCAL YEAR From Oct 1 to Sep 30 (Both Semi-Annual Reports must cover Fiscal Year)

A. MONTHS WHICH REPORTS ARE DUE

Apr - Oct

B. PERIOD COVERED BY THIS REPORT

FROM Oct 2011 **TO:** Mar 2012

(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 40 DIFFERENT 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.

See cover letter.

C. Number of Regular Employees at this Facility 352

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)	117	1300	Batch
Regulated (Cyanide)	-	-	-
§403.6(e) Unregulated*	-	-	-
§403.6(e) Dilute Cooling Water	285	608	Continuous
Sanitary	8800	8800	Continuous
Total Flow to POTW	9202	10,708	xxxxxxxxx

*"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)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO*
Max for 1 day	0.69	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave	0.26	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	0.017	0.024	0.17	<0.04	0.52	<0.007	0.44	0.18	TOMP --
Ave Measured	0.017	0.024	0.17	<0.04	0.52	<0.007	0.44	0.18	TOMP --

Sample Location Discharge from Wastewater System

Sample Type (Grab or Composite) Grab _____

Number of Samples and Frequency Collected 1 every 6 months / Additional Samples on Zinc taken this period. Several other samples taken for development of test procedures and 3 for Zinc

40CFR136 Preservation and Analytical Methods Use: Yes No

(6) CERTIFICATION

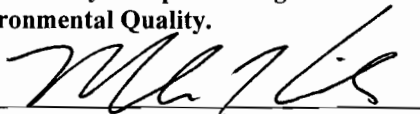
A. CYANIDE CERTIFICATION (Applicability Pending)

[Reserved]

B. CHECK ONE: §433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED §433.12(a) TTO CERTIFICATION PROVIDED BELOW

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, Plant Manager
(Typed Name)



(Corporate Officer or authorized representative)

Date of Signature 4/19/2012

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS)
COUNTY OF _____)

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:

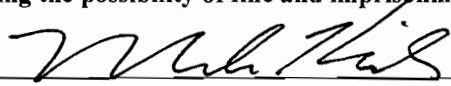
- ◆ Continued maintenance of RPZ valves.
- ◆ Chemical precipitation of regulated streams prior to discharge.
- ◆ Floor drains in manufacturing areas sealed.
- ◆ Containment area in Environmental Area
- ◆ Weekly Inspection of facility for environmental issues by environmental operator
- ◆ OSI washer removed from service, Alkota washer uses less chemical, water and natural gas
- ◆ Cone bottom tank, paddle mixer, pH meter and pump added to improve reliability.

(8) GENERAL COMMENTS

N/A

(9) SIGNATORY REQUIREMENTS [40CFR403.12(D)]

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

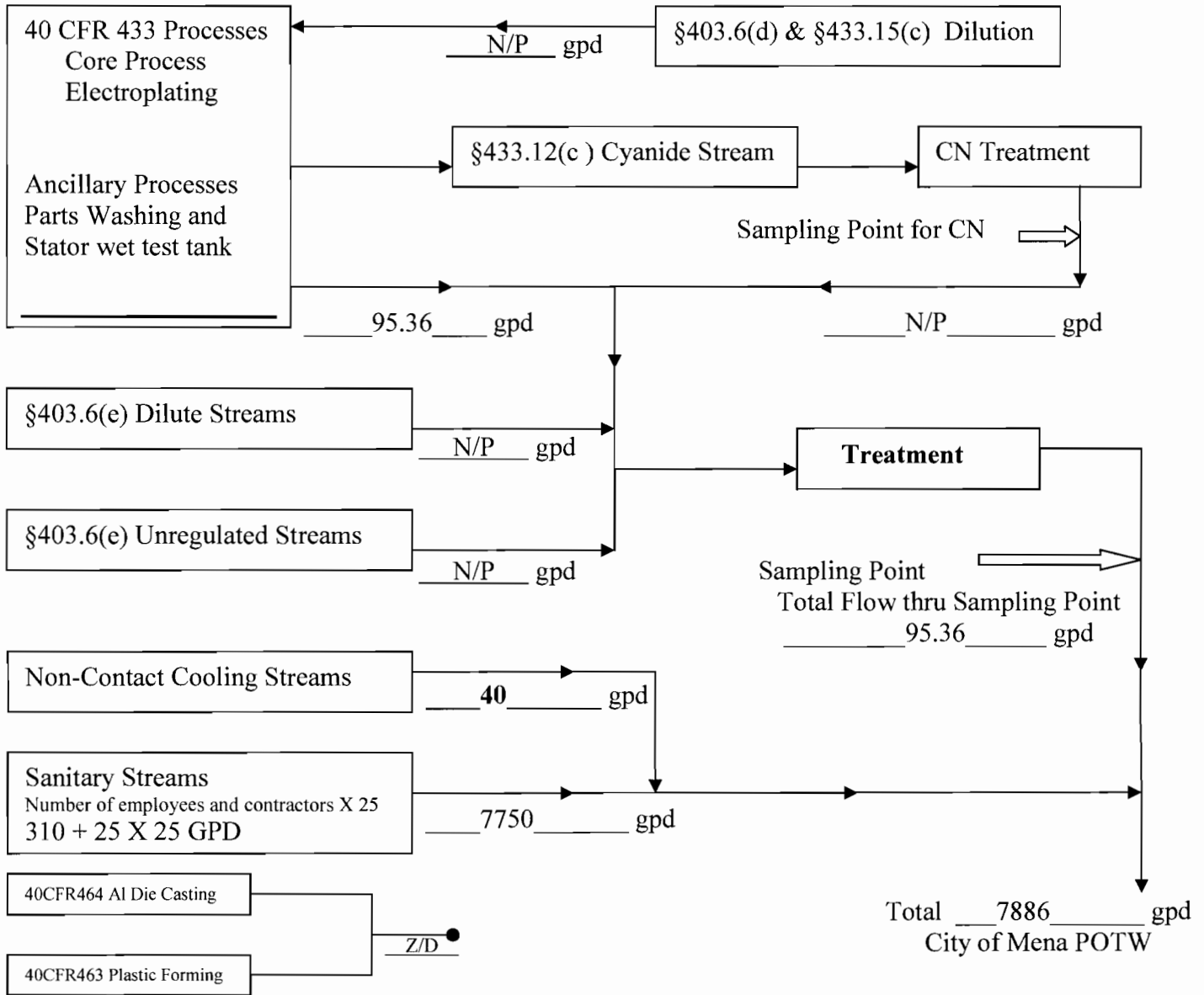
SIGNATURE

Plant Manager

OFFICIAL TITLE

4-13-2012

DATE SIGNED



If a stream is not present, show NOT PRESENT or N/P. If a stream is present, the wastewater can enter the POTW but currently has no flow, show 0.0 gpd. If a stream is present but the wastewater cannot enter the POTW, show Zero Discharge or Z/D. If an unregulated stream is present but the User has decided not to declare it at this time, show N/P.

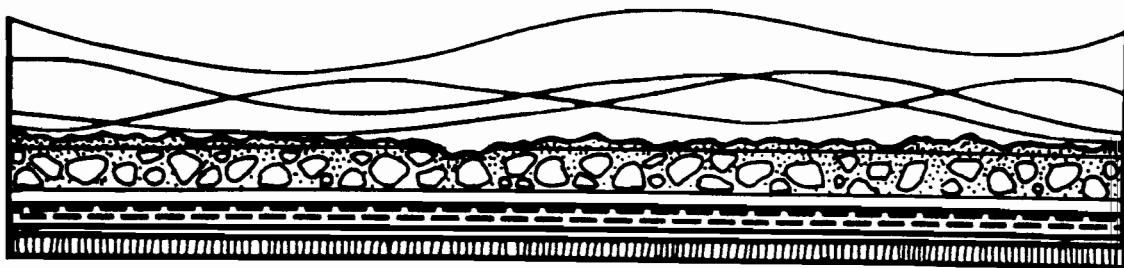
Aaron Eiler
 Signature of §403.12(b) Professional

4/18/2012
 Date

I certify under penalty of law that I have personally examined and am familiar with the information in this document and that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

Michelle
 Plant Manager or the authorized §403.12(l) official

4/18/2012
 Date
 UEM_Diagram.doc (08-06-2002)



October 25, 2011

FOR: Nidec Motor Corp
500 N. Morrow Street
Mena, Arkansas 71953

Type of Analysis: Wastewater Sample

Date Sample Collected: October 4, 2011
Time Sample Collected: 10:30am
Sample Collected By: Nidec Motor Corp.

Date Sample Received: October 5, 2011
Time Sample Received: 2:30pm
Sample Received By: C Peterson

Sample #: 20117011

Sample Temperature:

<u>Parameter</u>	<u>Method Number</u>	<u>Date & Time Analyzed</u>		<u>By</u>	<u>Reported* Value</u>	<u>MDL mg/Kg</u>	<u>% Recovery</u>	<u>% RDP</u>
Zinc	3111-B	10/24/2011	1:55pm	CAP	0.306	0.002	93.8	1.3

Reviewed By:

Dalores Shelby

*All results reported in mg/l unless otherwise indicated.

Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"
EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

Exley, Aaron [NMCA-MEN]

From: Data Testing [water@mwc-engr.com]
Sent: Tuesday, October 25, 2011 11:25 AM
To: Exley, Aaron [NMCA-MEN]
Subject: 10-4-11_wastewater_zinc

October 25, 2011

FOR: Nidec Motor Corp
 500 N. Morrow Street
 Mena, Arkansas 71953

Type of Analysis: Wastewater Sample

Date Sample Collected: October 4, 2011 Date Sample Received: October 5, 2011
 Time Sample Collected: 10:30am Time Sample Received: 2:30pm
 Sample Collected By: Nidec Motor Corp. Sample Received By: C Peterson

Sample #: 20117011 Sample Temperature:

<u>Parameter</u>	<u>Method Number</u>	<u>Date & Time Analyzed</u>	<u>By</u>	<u>Reported* Value</u>	<u>MDL mg/Kg</u>	<u>% Recovery</u>	<u>% RDP</u>
Zinc	3111-B	10/24/2011 1:55pm	CAP	0.306	0.002	93.8	1.3

Reviewed By: _____

*All results reported in mg/l unless otherwise indicated.

Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"
 EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the the



Data Testing, Inc.
3434 Country Club
P. O. Box 1507
Fort Smith, Arkansas 72902
(79) 649-8378 Fax (479) 649-8486

Company Name: <i>Nidec Motor Corp.</i>			Phone #: <i>479-394-8741</i>																							
Address: <i>500 N. Morrow St.</i>			Fax #: <i>479-394-8888</i>																							
Project Name or Number: <i>DMR WASTE WATER</i>			Purchase Order #:																							
Printed: <i>Edd Myers</i>																										
Sample I.D.	Date	Time	Cont. Type			# of Containers	Method Preserved						Sample Matrix				Requested Analysis					Laboratory Control Number	Remarks			
			Comp.	Grab	Plast		Glass	H2SO4	HNO3	NaOH	HCL	Ice	None	Water	Soil	Air	Sludge	Other	Ammonia	Suspended Solids	Fecal Coliform			ZINC		
<i>WASTE WATER</i>	<i>10/4/11</i>	<i>10:30</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Relinquished by: <i>Edd Myers</i>			Date:	Time:		Relinquished by:			Date:	Time:		Requested Analysis					Date:	Time:								
Received by:			Date:	Time:		Received by:			Date:	Time:		Requested Analysis					Date:	Time:								
Relinquished by:			Date:	Time:		Received by Laboratory:			Date:	Time:		Requested Analysis					Date:	Time:								
Comments:																										

153520



CHAIN OF CUSTODY RECORD

Date: 12-12-11

Sample Identification	Date	Time	Sample Type		Preservative	Containers		Analysis Required
			Comp.	Grab		Type	Number	
1 Altoka treated wastewater parts washer #4	12/8	1009		✓	HNO ₃ K ₂ Cr ₂ O ₇	P	1	Cd, Cr, Cu, Pb, Ni, Ag Zn
2 " " #5	12/8	1009		✓	NaOH	P	1	Cyanide
3 Altoka parts washer #2	12/8	1005		✓	HNO ₃ K ₂ Cr ₂ O ₇	P	1	Cd, Cr, Cu, Pb, Ni, Ag Zn
4 " " #3	12/8	1005		✓	NaOH	P	1	Cyanide

Relinquished by: C. Peterson (Signature) Date: 12-12-11 Time: 1:30
 Received in Laboratory By: Janifer Bradford Date: 12-13-11 Time: 9:30

Method of Shipment: UPS # 1Z140RR8 0396794566

Joc



Data Testing, Inc.
 3434 Country Club
 P. O. Box 1507
 Fort Smith, Arkansas 72902
 (479) 649-8378 Fax (479) 649-8486

Sample I.D.	Date	Time	Cont. Type			# of Containers	Method Preserved						Sample Matrix						Requested Analysis						Laboratory Control Number	Remarks							
			Comp.	Grab	Plast		Glass	H2SO4	HNO3	NaOH	HCL	Ice	None	Water	Soil	Air	Sludge	Other	Ammonia	Suspended Solids	Fecal Coliform	TTO METALS	Cyanide										
#2 RAW WASH	12-8	10:05		X																													
#3 " "	12-8	10:07		X																													
#4 TREATED WASTE	12-8	10:09		X																													
#5 " "	12-8	10:12		X																													

Printed: **Edd Myers**

Company Name: **NiDec Motor Corp.** Phone #: **479-394-8741**

Address: **500 N. Morrow St. Mena, Ar 71953** Fax #: **479-394-8888**

Project Name or Number: **AKBOTA WASHES 1ST CLEANING** Purchase Order #: **AG(47FW)AN(30IW)CYANIDE**

Sampling Personnel Signature(s): **Edd Myers**

Relinquished by: **Edd Myers** Date: **12/8/11** Time: **10:45**

Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Comments: **TTO METALS 40 CFR 433 TEST PROCEDURES (CD(48FW)), CR(44.IW), CU(29FW), Pb(82.IW) Ni(28FW)**

Chain of Custody Form.xls



Data Testing, Inc.
Post Office Box 1507
Fort Smith, AR 72902

ANALYTICAL RESULTS

AIC No. 153520-1

Sample Identification: Treated Waste Water Alkota Parts Washer #5 12/8/11 1009

Analyte	Result	RL	Units	Qualifier
Cadmium EPA 200.7	< 0.004	0.004	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1423 by 297		Batch: S31389	
Chromium EPA 200.7	0.083	0.007	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1423 by 297		Batch: S31389	
Copper EPA 200.7	0.44	0.006	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1423 by 297		Batch: S31389	
Lead EPA 200.7	< 0.04	0.04	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1423 by 297		Batch: S31389	
Nickel EPA 200.7	0.27	0.01	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1423 by 297		Batch: S31389	
Silver EPA 200.7	< 0.007	0.007	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1423 by 297		Batch: S31389	
Zinc EPA 200.7	1.9	0.002	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1423 by 297		Batch: S31389	

AIC No. 153520-2

Sample Identification: Treated Waste Water Alkota Parts Washer #4 12/8/11 1009

Analyte	Result	RL	Units	Qualifier
Total Cyanide SM4500-CN C,E	0.13	0.01	mg/l	
Prep: 15-Dec-2011 1409 by 302	Analyzed: 15-Dec-2011 1827 by 302		Batch: W38369	

AIC No. 153520-3

Sample Identification: Raw Waste Water Alkota Parts Washer #3 12/8/11 1005

Analyte	Result	RL	Units	Qualifier
Cadmium EPA 200.7	< 0.004	0.004	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1426 by 297		Batch: S31389	
Chromium EPA 200.7	0.095	0.007	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1426 by 297		Batch: S31389	
Copper EPA 200.7	0.48	0.006	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1426 by 297		Batch: S31389	
Lead EPA 200.7	< 0.04	0.04	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1426 by 297		Batch: S31389	
Nickel EPA 200.7	0.29	0.01	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1426 by 297		Batch: S31389	
Silver EPA 200.7	< 0.007	0.007	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1426 by 297		Batch: S31389	
Zinc EPA 200.7	2.7	0.002	mg/l	
Prep: 13-Dec-2011 1451 by 271	Analyzed: 15-Dec-2011 1426 by 297		Batch: S31389	



Data Testing, Inc.
Post Office Box 1507
Fort Smith, AR 72902

ANALYTICAL RESULTS

AIC No. 153520-4

Sample Identification: Raw Waste Water Akota Parts Washer #2 12/8/11 1005

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
Total Cyanide SM4500-CN C,E	0.11	0.01	mg/l	
	Prep: 15-Dec-2011 1409 by 302	Analyzed: 15-Dec-2011 1829 by 302	Batch: W38369	

Exley, Aaron [NMCA-MEN]

From: Data Testing [water@mwc-engr.com]
Sent: Friday, December 30, 2011 8:35 AM
To: Exley, Aaron [NMCA-MEN]
Subject: Washwater_12-22

December 30, 2011

FOR: Nidec Motor Corp
 500 N. Morrow Street
 Mena, Arkansas 71953

Type of Analysis: Wash Water

Date Sample Collected: December 22, 2011
 Time Sample Collected: 9:45am
 Sample Collected By: Nidec Motor Corp.

Date Sample Received: December 23, 2011
 Time Sample Received: 3:26pm
 Sample Received By: C Peterson

Sample #: 20118408

Sample Temperature:

<u>Parameter</u>	<u>Method Number</u>	<u>Date & Time Analyzed</u>		<u>By</u>	<u>Reported* Value</u>	<u>MDL mg/Kg</u>	<u>% Recovery</u>	<u>% RDP</u>
Lead *	EPA 200.7	12/28/2011	6:49pm	AIP	<0.04	0.04	90.7	0.397
Nickel *	EPA 200.7	12/29/2011	10:21am	AIP	0.24	0.01	90.3	0.636
Cadmium *	EPA 200.7	12/28/2011	6:49pm	AIP	<0.004	0.004	94.0	0.754
Silver *	EPA 200.7	12/28/2011	6:49pm	AIP	<0.007	0.007	94.3	1.46
Chromium *	EPA 200.7	12/28/2011	6:49pm	AIP	<0.007	0.007	94.3	1.46
Copper *	EPA 200.7	12/28/2011	6:49pm	AIP	0.11	0.006	90.8	0.769
Cyanide *	SM 4500-CN C,E	12/29/2011	8:18am	AIP	0.077	0.04	98.3	0.0
Zinc *	EPA 200.7	12/28/2011	6:49pm	AIP	0.44	0.002	90.9	0.345

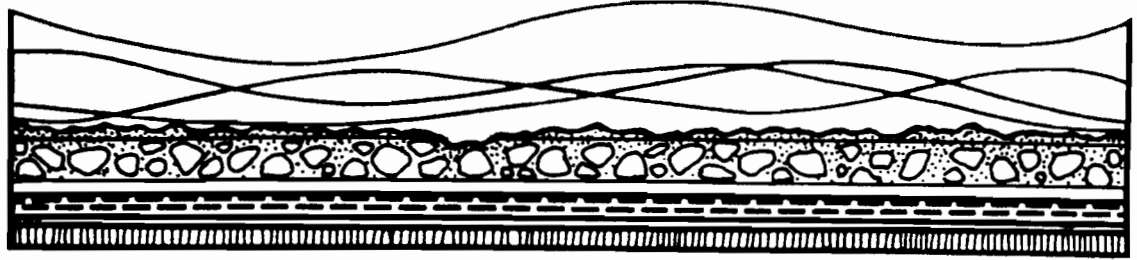
* Sample Analyzed by American Interplex

Reviewed By: _____

*All results reported in mg/l unless otherwise indicated.

Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"
EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of
all sample. Equipment maintenance & calibration is also performed daily under the
the



January 26, 2012

IMMERSION TANK

FOR: Nidec Motor Corp
500 N. Morrow Street
Mena, Arkansas 71953

NO COPPER

Type of Analysis: Raw Water # 1

Date Sample Collected: January 16, 2012
Time Sample Collected: 8:15am
Sample Collected By: Nidec Motor Corp.
Sample #: 20120257

Date Sample Received: January 17, 2012
Time Sample Received: 2:15pm
Sample Received By: D Shelby
Sample Temperature:

<u>Parameter</u>	<u>Method Number</u>	<u>Date & Time Analyzed</u>		<u>By</u>	<u>Reported* Value</u>	<u>MDL mg/Kg</u>	<u>% Recovery</u>	<u>% RDP</u>
Lead *	EPA 200.7	1/23/2012	3:13pm	AIP	<0.04	0.04	94.3	3.31
Nickel *	EPA 200.7	1/23/2012	3:13pm	AIP	<0.01	0.01	96.8	3.50
Cadmium *	EPA 200.7	1/23/2012	3:13pm	AIP	<0.004	0.004	96.1	3.15
Silver *	EPA 200.7	1/23/2012	3:13pm	AIP	<0.007	0.007	101.0	2.85
Chromium *	EPA 200.7	1/23/2012	3:13pm	AIP	<0.007	0.007	95.6	3.45
Zinc *	EPA 200.7	1/13/2012	3:13pm	AIP	0.18	0.002	101.0	4.65

* Sample Analyzed by American Interplex

Reviewed By:

Daloris Shelby

*All results reported in mg/l unless otherwise indicated.

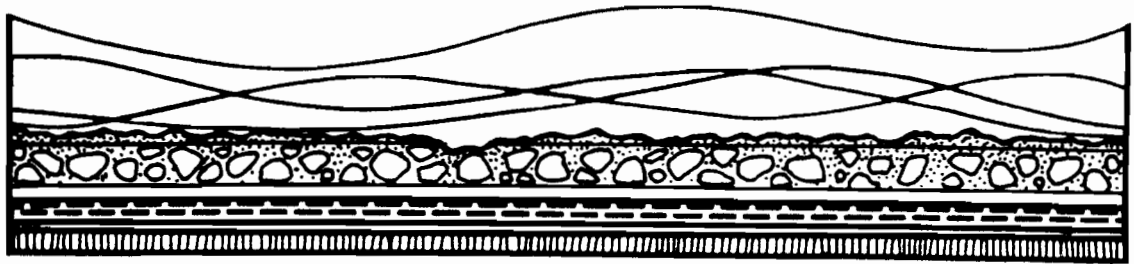
Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"
EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

I DISCUSSED THE MISSING COPPER WITH DALORIS AT DT. SHE CHECKED BUT THE SAMPLE WAS NO LONGER AVAILABLE. IT CHAIN OF CUSTODY PAPER WORK SHOWS IT WAS NOT LISTED BY EDD TO BE TESTED. 4/11/2012

3434 COUNTRY CLUB • FORT SMITH, AR 72903 • (479) 649-8378

EDD KNOWS HE MUST SPELL OUT EACH METAL TO BE TESTED.



January 26, 2012

*IMMERSION
TANK*

FOR: Nidec Motor Corp
500 N. Morrow Street
Mena, Arkansas 71953

Type of Analysis: Raw Water # 2

Date Sample Collected: January 16, 2012
Time Sample Collected: 8:20am
Sample Collected By: Nidec Motor Corp.
Sample #: 20120258

Date Sample Received: January 17, 2012
Time Sample Received: 2:15pm
Sample Received By: D Shelby
Sample Temperature:

<u>Parameter</u>	<u>Method Number</u>	<u>Date & Time Analyzed</u>		<u>By</u>	<u>Reported* Value</u>	<u>MDL mg/Kg</u>	<u>% Recovery</u>	<u>% RDP</u>
Zinc *	EPA 200.7	1/23/2012	3:16pm	AIP	0.18	0.002	101.0	4.65

* Sample Analyzed by American Interplex

Reviewed By: *Dolores Shelby*

EDD HAD THE ZINC TESTED 2 TIME ON THE RAW WATER FROM THE IMMERSION TANK. I SPENT TIME WITH EDD SO HE UNDERSTANDS THE TEST PROCEDURES BETTER. AS 4/12/12

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Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"
EPA Regulations, 40 CFR, Part 136

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IMMERSION TANK

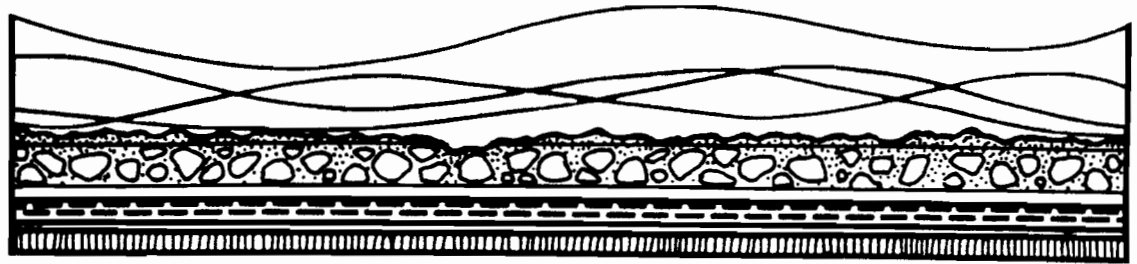
Data Testing, Inc.
 3434 Country Club
 P. O. Box 1507
 Fort Smith, Arkansas 72902
 (79) 649-8378 Fax (479) 649-8486

Company Name: Nidec Motor Corp Phone #: 479-394-8741
 Address: 500 N. Morrow St., Morrilton Ar 71953 Fax #: 479-394-8888
 Project Name or Number: Dip Tank Purchase Order #:
 Sampling Personnel Signature(s): Edd Myers Printed: Edd Myers

Sample I.D.	Date	Time	Comp.	Cont. Type		# of Containers	Method Preserved										Sample Matrix					Ammonia	Suspended Solids	Fecal Coliform	Zinc	X Metals	Remarks						
				Plast.	Glass		H2SO4	HNO3	NaOH	HCL	Ice	None	Water	Soil	Air	Sudge	Other																
RAW WATER #1	1/16/12	8:15	X	X		1																											
RAW WATER #2	1/16/12	8:26	X	X		1																											

Relinquished by: Edd Myers Date: 1/16/12 Time: 10:00 AM
 Received by: Date: Time:
 Relinquished by: Date: Time:
 Received by Laboratory: Date: Time:

Comments: EPA 200.7 Method Metals, Cd, Cr, Pb, Ni, Ag, Zn
 Chain of Custody Form.xls



February 23, 2012

FOR: Nidec Motor Corp
500 N. Morrow Street
Mena, Arkansas 71953

Type of Analysis: Wastewater

Date Sample Collected: February 13, 2012
Time Sample Collected: 10:50am-10:52am
Sample Collected By: Nidec Motor Corp.
Sample #: 20127122

Date Sample Received: February 15, 2012
Time Sample Received: 10:40am
Sample Received By: D Shelby
Sample Temperature:

<u>Parameter</u>	<u>Method Number</u>	<u>Date & Time Analyzed</u>		<u>By</u>	<u>Reported* Value</u>	<u>MDL mg/Kg</u>	<u>% Recovery</u>	<u>% RDP</u>
Cadmium *	EPA 200.8	2/20/2012	8:42pm	AIP	0.017	0.004	107.0	1.36
Chromium *	EPA 200.8	2/20/2012	8:42pm	AIP	0.0085	0.007	107.0	0.402
Copper *	EPA 200.8	2/20/2012	10:42am	AIP	0.17	0.006	102.0	6.1
Cyanide *	SM4500 CN C, E	2/20/2012	8:42pm	AIP	0.18	0.04	94.3	6.90
Lead *	EPA 200.8	2/20/2012	8:42pm	AIP	<0.04	0.04	109.0	0.964
Nickel *	EPA 200.8	2/20/2012	8:42pm	AIP	0.52	0.01	109.0	0.494
Silver *	EPA 200.8	2/20/2012	8:42pm	AIP	<0.007	0.007	91.0	2.44
Zinc *	EPA 200.8	2/20/2012	8:42am	AIP	0.41	0.002	102.0	0.876

* Sample Analyzed by American Interplex

Reviewed By:

Dalores Shelby

*All results reported in mg/l unless otherwise indicated.

Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"
EPA Regulations, 40 CFR, Part 136

Quality control measures such as blanks, spikes & duplicates are performed daily on at least 10% of all sample. Equipment maintenance & calibration is also performed daily under the guidelines of the USEPA."

Exley, Aaron [NMCA-MEN]

From: Data Testing [water@mwc-engr.com]
Sent: Thursday, February 23, 2012 12:10 PM
To: Exley, Aaron [NMCA-MEN]
Subject: 2/13_wastewater

February 23, 2012

FOR: Nidec Motor Corp
 500 N. Morrow Street
 Mena, Arkansas 71953

Type of Analysis: Wastewater

Date Sample Collected: February 13, 2012
 Time Sample Collected: 10:50am-10:52am
 Sample Collected By: Nidec Motor Corp.
 Sample #: 20127122

Date Sample Received: February 15, 2012
 Time Sample Received: 10:40am
 Sample Received By: D Shelby
 Sample Temperature:

<u>Parameter</u>	<u>Method Number</u>	<u>Date & Time Analyzed</u>		<u>By</u>	<u>Reported* Value</u>	<u>MDL mg/Kg</u>	<u>% Recovery</u>	<u>% RDP</u>
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* Sample Analyzed by American Interplex

Reviewed By:

Aaron Exley 2/23/2012

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Method: 18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"
 EPA Regulations, 40 CFR, Part 136

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all sample. Equipment maintenance & calibration is also performed daily under the

the

2/23/2012

