





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

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 since submitting our Zinc reading for samples taken 5/5/2011 and 5/6/2011. We sampled most of our batches for Zinc during the last 6 months and did one set of full analytical as required. The monthly average for Zinc was .4436 mg/L with an allowable limit of 1.48 mg/L.

In the documentation you will find a change to our washing of our large Titan Motor Parts from the OSI washer to the New Alkota washer. We are already seeing a pretty nice reduction in our energy consumption. This process will also use less chemicals and water thus requiring less treatment water going to the POTW.

Sincerely.

Javon Eslery Aaron Exley

CC: Mike Spencer - Mena POTW

Matt Cannon – Mena POTW Randy Wiseman - Nidec

SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433

se of this form is <u>not</u> an EPA/ADEQ requirement.	Attn: Water DIV/NPDES Pretreatment
(1) IDENTIFYING INFORMATION	
LEGAL NAME & MAILING ADDRESS	B. FACILITY & LOCATION ADDRESS
	Nidec Motor Corporation
Nidec Motor Corporation 500 North Morrow Street	500 North Morrow Street
Mena, AR 71953	Mena, AR 71953
a .	
C. FACILITY CONTACT: Aaron Exley EH&S Manager	TELEPHONE NUMBER: (479) 394-8741
(2) REPORTING PERIODFISCAL YEAR From Oct 1 to Sep	30 (Both Semi-Annual Reports must cover Fiscal Year)
A. MONTHS WHICH REPORTS ARE DUE	B. PERIOD COVERED BY THIS REPORT
Apr - Oct	FROM Apr 2011 TO: Sept 2011
(3) DESCRIPTION OF OPERATION	
A. REGULATED PROCESSES	B. CHANGES: SUMMARIZE ANY CHANGES IN THE REGULATED PROCESSES SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF
CORE PROCESS(ES)	THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW SCHEMATIC IF APPROPRIATE.
CHECK EACH APPLICABLE BLOCK	
	The 9000 gallon OSI parts washer has been taken out of service and removed. It was replaced by the Alkota Parts
☐ Electroplating ☑ Electroless Plating	washer. It is a large impingement washer that sprays the parts
☐ Anodizing	with high pressure nozzles. The new parts washer holds 1000
☐ Coating	gallons of wash water and 200 gallons of rinse water. The process will use less chemicals, less natural gas for heating and
☐ Chemical Etching and Milling ☐ Printed Circuit Board Manufacture	require more frequent cleanings but the volume will be much
Printed Circuit Board Manufacture	less. The ADEQ was notified of this process improvement 9/20/2011 with an e-mail sent to Allen Gilliam.
ANCILLARY PROCESS(ES)	-
LIST BELOW EACH PROCESS USED IN THE FACILITY	
Parts Washing	
_Stator Submersion test	
SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS	
n ×	

40CFR433 SEMI-ANNUAL REPORT CON'D	FACILITY NAME: Nidec Motor Corporation-Mena
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	U.	-	-
Cooling Water	285	608	Continuous
Sanitary	8800	8800	Continuous
Total Flow to POTW	9202	10,708	XXXXXXXX

[&]quot;'Unregulated" has a precise legal meaning; see 40CFR403.6(e).

(5) MEASUREMENT OF POLLUTANTS

A. TYPE	OF TR	EATMEN	T SYSTEM
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CHECK EACH APPLICABLE BLOCK

☐ Neutralization

☒ Chemical Precipitation and Sedimentation

☐ Chromium Reduction

☐ Cyanide Destruction

Other _

□ None

B. COMMENTS ON TREATMENT SYSTEM

Removing swimming pool type filter prior to last tank before going to POTW and installing an industrial bag filter. Improved filtration and easier to change bag design.

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	<0.04	<0.007	0.086	<0.04	0.36	<0.007	1.57	0.28	TOMF

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: Nidec Motor Corporation-Mena

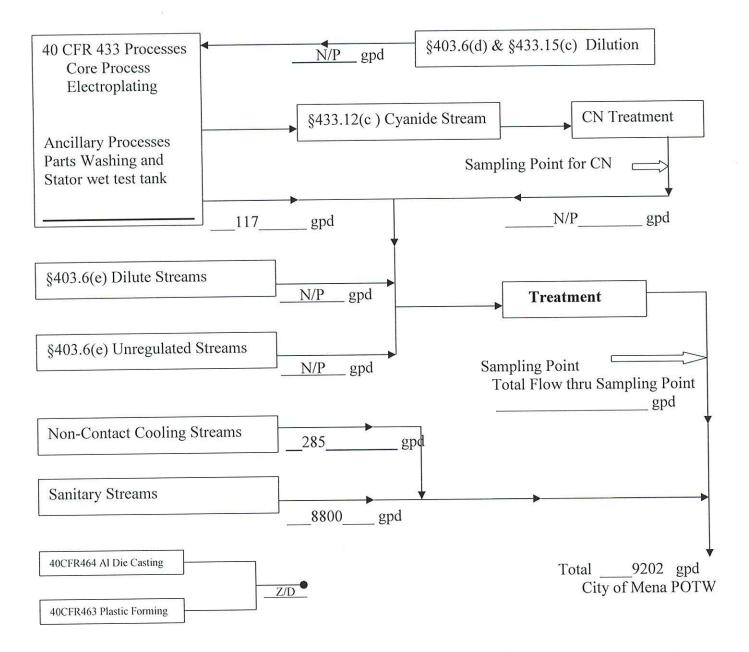
Ave Measured	<0.04	<0.007	0.086	<0.04	0.36	<0.007	0.4436	0.28	TOMP
Sample Location Sample Type (Grab Number of Samples period 40CFR136 Preserva	or Compos	ency Collec	ted1 e	very 6 mon		litional Sam	ples on Zin	c taken th	is
CERTIFICATION A. CYANIDE CERT	NEICATIO	N (Applie	ahility Pay	deraga del					
			[Reserve	d]					
B. CHECK ONE: S433.1 Based on my in pretreatment structured dumping of concompliance resubmitted to A Mark Kinder (Typed Name)	nquiry of t standard fo ncentrated port. I fur Arkansas D	he person of total toxic toxic orgaither certify epartment	or persons or organics into the that this for Environ	directly res (TTO), I concervation	oonsible for tify that, ers has occ plementing	to the best o	compliance of my know filing of th	e with the ledge and e last semi	belief, no -annual
		17/20	(0	Corporate Offi	er or author	ized representa	tive)		

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: Nidec Motor Corporation-Mena

Befor	e me, the undersigned authority, on this day personally appeared of
ackno	oration, known to me to be the person whose name is subscribed to the foregoing instrument(s), and wledged to me that he executed the same for purposes and considerations therein expressed, in the ity therein stated and as the act and deed of said corporation.
Giver	under my hand and seal of office on this day of, 200
	Notary Public in and forCounty, Arkansas
Мус	ommission expires·
	PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]
LLUTION §6602 [42 U.S.C.	
LLUTION §6602 [42 U.S.C. whenever feasible environmentally	PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.] 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 state of the United States of United States of the Unite
LLUTION §6602 [42 U.S.C. whenever feasible environmentally	PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.] 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 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 afe 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.
LLUTION §6602 [42 U.S.C. whenever feasible environmentally	PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.] 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 spollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated afe 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 is any new or ongoing Pollution Prevention practices:
LLUTION §6602 [42 U.S.C. whenever feasible environmentally	PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.] 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 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 afe 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 is any new or ongoing Pollution Prevention practices: Continued maintenance of RPZ valves.
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(8) GENERAL COMMENTS

N/A (9) SIGNATORY REQUIREMENTS [40CFR403.12(l)] I certify under penalty of law that I have persona and all attachments were prepared under my direct that qualified personnel properly gather and eval persons who manage the system, or those persons submitted is, to the best of my knowledge and belipenalties for submitting false information, including the management of the penalties for submitting false information.	ction or supervision I	submitted. Based on my inquiry of the person or for gathering the information, the information
I certify under penalty of law that I have personal and all attachments were prepared under my direct that qualified personnel properly gather and evaluation persons who manage the system, or those persons submitted is, to the best of my knowledge and belupenalties for submitting false information, including the Mark Kinder	ction or supervision I	submitted. Based on my inquiry of the person or for gathering the information, the information
Plant Manager OFFICIAL TITLE DATE SIG	directly responsible fef, true, accurate, and ng the possibility of figure presentative	nd complete. I am aware that there are significant



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.

Signature of §403.12(b) Professional

10/17/2011

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.

Plant Manager or the authorized §403.12(l) official

Date UEM_Diagram.doc (08-06-2002)

Lab Result for Testing Period April - September 2011

	Lead	Nickel	Cadmium	Silver	Chromium	Copper	Cyanide	Zinc	Lab & Notes		
May for 1 day Limit	0.69	3.98	0.69	0.43	2.77	3.38	1.2	2.61			
Monthly Ave Limit	0.43	2.38	0.26	0.24	1.71	2.07	0.65	1.48			
Date of Sample											
E May		4.10						0.311 DT	OT .		
O-IVIGY								0.081	T		-7.
6-May								0.001			
3. lim					The Name of Street, or other Persons and Stre			1.57	ESC	Same	
3								1.08	.08 DT	Same	
3-7011								11.2	2 ESC	Waste Water Without Treatment	Treatmen
3-7011			Section 1997					0.221 ESC	ESC		
unc-o								0 744 ECO	חפט		
6-Jan								0.711	100		
6-Jul <0.04	<0.04	0.36	0.36 < 0.004	<0.007	<0.007	0.086	0.28	0.057 101			1
1-010		50						0.271 DT	9		
2								0.07	S		
8-Aug	16-							0.00			-
20-Sep								0.084			
						NAME OF THE PARTY	000	7 2			
Max for 1 day	<0.04	0.36	0.36 < 0.004	<0.007	<0.007	0.086	0.28	1.0/			
	<0.04	0.36	0.36 < 0.004	<0.007	<0.007	0.086	0.28	0.4436			

This water is straight from the tank so we could understand the amount of Zinc in the water before precipitation

All Test taken were within Limits

These water samples were from the same batch to understand differences in labs

Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 1. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1106010145 Customer Name: NIDEC MOTOR CORPORATION Customer/Permit No.: 478 / Cat pretreatmnt Report Date: 06/14/11	Sample Date: 06/03/11 Sample Time: 1245 Sample Type: GRAB WWATER Sample From: WASTE WATER	Delivery By : Work Order : Purchase Orde	Delivery By : FED EX Work Order : Purchase Order :	
	Laboratory Analysis		<u>Quality Assurance</u> Precision Accura	ssurance Accuracy
Date Time By Parameter	Result Notes Quantity 1.5700 mg/L (b)	Method EPA 200.7	% RPD 0.32	% Recovery 91.3 *
* QA data shown is from a different sample or stand. (b) Exceeds Permit Limits for Average Concentration	different sample or standard on the same date. for Average Concentration			

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc.

13715 West Markham Env.....imental Services Company, Inc.
Corporate Office

Little Rock, AR 72211 P.O. Box 55146

website: www.esclabs.com Little Rock, AR 72215

Environmental Services Comp...y, Inc.
Northwest Branch
1107 Century Springdale, AR 72764

CHAIN OF CUSTODY

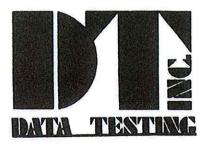
		4.		Comments: TTO Metals:	All samples cooled to ≤ 6 degrees C with ice.		Š	Circles traine Circly Straiss	. 19	Relinquished By: (Signature and Printed Name)							WATER WATER				Identification	Sample Identification	ESC Client Number:	Contact:	FAX:	Telephone:		Address:	Company Name:	0	Phone: 501-221-2565
			Ag(47.1W), Zn(30.1W)	TTO-Metals: Cd(48:1W), Cd(24:1W), Cd(29:1W) Pb(82:1W), Ni(28:1W),	rees C with ice.		Náme)	4 Strauss	Name)	Name)							24101090111				ESC Control #	tification	478	479-394-8805	Mr. Aaron Exley	479-394-8757	Mena, AR 71953-2599	500 Morrow Street	Nidec Motor Corporation	Client Information	Fax: 501-221-1341
		FPA 20		u(29:1W) Pb(8			Date	66-11		1/3/11							6/3/11				Date						599		ration		
		200.7		2.JW), NI(28.1			Time	1320	Time	1:30	L						12:45				Time	Sample									유
				VAP /		Boun	Received for Lab By. (Signature and Printed Name)	,	Received By: (Sig	Received By: (Sig						Srab	Grab	Ciar	-453-	Grab	Туре	Collection		and Signature(s):		Sampler Name(s):	Work Order #	Purchase Order #:	Permit/Project #:		CHAIN OF CUSTODY
Chlorinated?	Units:	Reading:	Time:	Analyst:	Stow D	11 Church	By: (Signature and		1	Signature and Printed Name						Wwater	Wwater	TA MARCI	Alwater	Wwater	Matrix			ure(s):			#	Order #:	ject #:	Pro	F CU
Y Z	L				Data	Phat pol	Printed Name)		K							Plastic	Plastic	Ciass		Glass	Туре			Zold My		, EOD.			DMR-6	Project Informat	STOD
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L					Analyst	320	Time \	70	-	1245	_		1			#	1			M	#				L					L	Phone 479-750-1170
This Document is Page					Result	Yes	Were samples properly preserved:	Regular	urnaround:	Used?			+	+	+		M		Ł	U	+	1000		rgani (see		ment	s)			Rec	750-11
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ige_of_					Units	No.	served:	Special		Intact?																				Requested Parameters	Fax: 479-750-1172

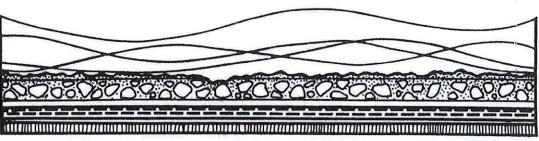
Environmental Services Company, Inc. Corporate Office

13715 West Markham Little Rock, AR 72211 website: www.esclabs.com Little Rock, AR 72215 P.O. Box 55146

Environmental Services Company, Inc. Springdale, AR 72764 Northwest Branch 1107 Century

Phone: 501-221-2565	Fax: 501-221-1341		<u>ი</u>	CHAIN OF CUSTODY	OF CU	STO	P		Phone 479-750-1170	9_750_1	170	Eav: 470-750 1170
	Client Information				D	Project Informatio	ğ.			D S	O DO	Regulacted Parameters
Company Name:	Nidec Motor Corporation	oration		Permit/Project #:	- 1	DAMC	DMR-43:	2011		1		
Address:	500 Morrow Street	#		Purchase Order #:	Order #:							
	Mena, AR 71953-2599	2599		Work Order#	ler#							
Telephone:	479-394-8757			Sampler Name(s):	e(s):	FOR MY	AME	RS		inte)		
FAX:	Mr. Aaron Exley											
Contact:	479-394-8805			and Signature(s)	ture(s).	1	Tal Marie					
ESC Client Number:	478			((7)	000	60	100		255	1111)
Sample Identification	ntification		Sample	Sample Collection			Sample	Containers	8	-		de (9
Identification	ESC Control #	Date	Time	Туре	Matrix	Туре		Preservative	ative #	то (Zn (30	Cyani
				GRAG	SEMON	Class	VOV	EV I	ΛH			
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WATER WATER		6/3/11	12:45	Grab	Wwater		1 Liter	HNO3	_	am	×	
				Sirals	Wwater			MaOHrAsc Acid	Scill 1			
									+			
									+			
slinquished By. (Signature and Printed Name)	Name)	Date	Time	Received By: (Signature and Printed Name)	nature and Printed	Name)		Date	Time	Custody Seals:	eals:	
linguished By Silvature and Drinted Name	Name	11/6/9								Used?		Intact?
		Cate	ime	Received By: (Signature and Printed Name)	nature and Printed	Name)	1	Date	Time	Turnaround Regular		Special
linquished by: (Signature and Printed Name)	Name)	Date	Time	Received for Lab By: (Signature and Printed Name)	y: (Signature and	Printed Name)		Date	Time	Were sam	les prop	Were samples properly preserved:
samples cooled to ≤ 6 degrees C with ice.	rees C with ice.				Flow Data		Field Tect	Time	Analust	0	-	-
mments: TTOMetats:	TTO Metals: - Oct (48:1W), - Cu(24:1W), - Oct (29:1W) - Pb(82:1W), - Nii(28:1W)	129:1W) Pb/8	TANK THE SELECT		Analyst:				, , , , , ,	The state of the s	1,000	Onno
	AB(41.14), 21.00.14)	100			Time:		1					
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					Units:							
				-	Chlorinated?	× ×	Fecal Start:			This Do	ument	This Document is Page_of





JUNE SAMPLE ZN

June 10, 2011

FOR:

Nidec Motor Corp

500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis:

Wastewater

Date Sample Collected: June 3, 2011

Time Sample Collected: 12:00, 3:00, 5:00pm Sample Collected By:

Nidec Motor Corp.

Date Sample Received:

June 6, 2011

Time Sample Received:

11:15am

Sample Received By:

D Shelby

Sample #:

20112488

Sample Temperature:

32°C

Parameter	Method Number	Date & 1		<u>В</u> у	Reported* <u>Value</u>	MDL mg/Kg	% Recovery	% <u>RDP</u>
Zinc	3111-B	6/10/2011	1:34pm	CAP	1.08	0.002	90.8	2.1

Reviewed By:

Dolores 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."



Company Name:		,					Phone # 479-394-8741	79		-0	4	00	1	~					T	-		Requested Analysis	T es	-\g	120	VSIS	1	-			
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Project Name or Number:							Purchase Order #:	er#											- Brytis	11.			-			202045-0				Laboratory	-
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Sample I.D.	Date	Time	Comp.	Grab	Plast.	Glass	# of Containers	H2SO4	HNO3	NAOH	HCL	Ice	None -	Water	Soil	Air	Sludge	Other	CBOD		Ammon	Suspen	Fecal C		ZIN						
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Comments:									ı		- 1				- 1			1		1											

Chain of Custody Form xls xls

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

Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 . (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Laborator	Control Number: 1106010144 Customer Name: NIDEC MOTOR CORPORATION Customer/Permit No.: 478 / Cat pretreatmnt Report Date: 06/14/11	Tel. (501)221-2565 Fax (501)221-1341
Laboratory Analysis	Sample Date: 06/03/11 Sample Time: 1245 Sample Type: GRAB WWATER Sample From: WASH WATER	TCT. /#/
Ouality Assurance Precision Accuracy	Collected By: EDD MYERS Delivery By : FED EX Work Order : Purchase Order :	TGT. (#/0//00-FF/0 FG% (#/0//00 FF/)

Date Time By 06/09 0915 BGW Analysis WATER FROM WASHER BEFORE TREATMENT Zinc 11.2000 mg/L Notes (b) Quantity EPA 200.7 % RPD 0.32 % Recovery 91.3 *

* QA data shown is from a different sample or standard on the same date. (b) Exceeds Permit Limits for Maximum Concentration

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature .

Environmental Sérvigés Co., Inc.

S

En nmental Services Company, Inc.
Corporate Office

13715 West Markham P.O. Box 55146
Little Rock, AR 72211 Little Rock, AR 72215
website: www.esclabs.com



Environmental Services Company, Inc. Northwest Branch 1107 Century Springdale, AR 72764

CHAIN OF CUSTODY

SSS: Sol Morrow Street Pulchase Order # Sol Morrow Street Pulchase Order # Sol Morrow Street Pulchase Order # Sample Collection Sample Received by (Signature and Printed Name) Sample Collection SALLINATER I 100010144 6/3/1/ 1/2:4/5 Grab Wwater Plastic Grab Wwat	Phone: 501-221-2565 Company Name:	Fax: 501-221-1341 Client Information Nidec Motor Corporation	oration	 	CHAIN OF CUSTODY Permit/Project #: PMR 6	Project Information	mation 5 3 201/
Sampler Name(s): A79-394-8757 Mr. Aaron Exley A79-394-8805 Sample Collection Sample C	Address:	500 Morrow Street Mena, AR 71953-2	2599		Purchase Order #: Work Order #		
And Signature (S): AT9-394-8805 ATTIME ATTIME	Telephone:	479-394-8757			Sampler Name(s)		X
and Signature(s): 7-2 My years Sample Identification Sample Identification Identification ESC Control # Date Time Type Matrix Type Volume Grab Wwater Glass VOA Fromed Name) SH INATER I 10 GO 10 144 6/3/1/ /2:45 Grab Wwater Plastic 1 Liker Plastic 1	FAX:	Mr. Aaron Exley					
SC Control # Date Time Type Matrix Type Volume SC Control # Date Time Type Matrix Type Volume Grab Wwater Glass VOA Frab Wwater Glass Coat Liter Fraction Control # 12:45 Grab Wwater Plastic 1 Liter Fraction Glass Grab Wwater Plastic 1 Liter Fraction Glass Grab Wwater Plastic 1 Liter Fraction Glass Coat Fraction Gla	Contact:	479-394-8805			and Signature(s):		
SC Control # Date Time Type Matrix Type Volume Sc Control # Date Time Type Matrix Type Volume Grab Wwater Glass VOA Honder Grab Wwater Glass 1-Liter Glass 1-Liter Grab Wwater Glass 1-Liter Grab Wwater Glass 1-Liter Grab Wwater Plastic 1-Liter Grab Wwater Grab	ESC Client Number:	478					
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Analyst: Analyst: Time: Time: Reading: Analyst: Analyst: Time: Time: Reading: Analyst: Anal	All samples cooled to ≤ 6	degrees C with ice.			Flo	Data	
WATER SAMPLE PILLED BEFORE PROCEPITATION Units:	Comments: TTO Meta	als: -@d(48:IW), -Cx(24:IW),	Cu(29.IW) Pb(82.W/, NI(28	1		
SAMPLE PILLED BEFORE PRECEPITATION Units:		Ag(47177), Zn(30.1W)			Reading	7.	
		AMPLE PULLED 1	SEFORE	PRECEP	_		

Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 . (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
1107 Century Avenue
Springdale, AR 72762
Tel. (479)750-1170 Fax (479)750-1172

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Signature Environmental Services Co., Inc.

Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 501)221-2565 Fax (501)221-1341

> Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

* QA data shown is from a different sample or standard on the	Analysis Date Time By Parameter — — — — — — — — — — — — — — — — — — —	Tel. (501)221-2565 Fax (501)221-1341 Control Number: 1106010237 Customer Name: NIDEC MOTOR CORPORATION Customer/Permit No.: 478 / Cat pretreatmnt Report Date: 06/15/11
standard on the same date.	Laboratory Analysis Result 0.7110 mg/L	Sample Date : 06/08/11 Sample Time : 0735 Sample Type : GRAB WWATER Sample From : WASTEWATER
	Method % EPA 200.7	Collected By: ED Delivery By: UP Work Order: Purchase Order:
	% RPD % Recovery 0.53 94.1 *	y: EDD MYERS : UPS : der :

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Environmental Sérvices Co., Inc.

mental Services Company, Inc.
Corporate Office

13715 West Markham Little Rock, AR 72211 West Markham P.O. Box 55146 lock, AR 72211 Little Rock, AR 72215 website: www.esclabs.com

Environmental Services Comp. _, Inc.
Northwest Branch
1107 Century Springdale, AR 72764

CHAIN OF CUSTODY

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		ts)						* #	Work Order #		599	Mena, AR 71953-2599	
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Fax 479-750-1172	Fax 4	0-1170	9-750	Phone 479-750-1170			0 0	CHAIN OF CUSIODY	ANC	2		Fax: 501-221-1341	Phone: 501-221-2565
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Environmental Services Company, Inc.
Corporate Office

13715 West Markham Little Rock, AR 72211 P.O. Box 55146

Little Rock, AR 72215

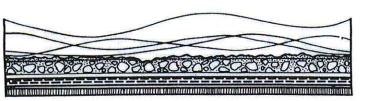
website: www.esclabs.com

Environmental Services Company, Inc. Northwest Branch 1107 Century Springdale, AR 72764

CHAIN OF CHATODY

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Requested Parameters	sted P	Reque	-			+	24 25			9		Fax: 501-221-1341	Phone: 501-221-2565
Fax: 479-750-1172	Fax:4	0-1170	179-750	Phone 479-750-1170		¥	STOF	E C I S	CHAIN OF CLISTODY	2			





July 22, 2011

FOR:

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

Type of Analysis:

Wastewater - Nema Wash

Date Sample Collected: Time Sample Collected: 1:20pm

July 6, 2011

Date Sample Received: Time Sample Received:

July 7, 2011

Sample Collected By:

Nidec Motor Corp.

Sample Received By:

12:03pm C Peterson

Sample #:

20113132

Sample Temperature:

Parameter	Method Number	Date & T		Ву	Reported* Value	MDL mg/Kg	% Recovery	% RDP
Lead *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.04	0.04	113.0	1.83
Nickel *	EPA 200.7	7/19/2011	1:31pm	AIP	0.36	0.01	112.0	1.65
Cadmium *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.004	0.004	114.0	2.44
Silver *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.007	0.007	118.0	5.21
Chromium *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.007	0.007	102.0	2.37
Copper *	EPA 200.7	7/19/2011	1:31pm	AlP	0.086	0.006	112.0	2.77
Cyanide *	SM 4500- CN C,E	7/19/2011	10:30am	AIP	0.28	0.04	97.4	5.33
Zinc *	EPA 200.7	7/20/2011	6:51pm	AIP	0.057	0.002	83.1	4.16

^{*} Sample Analyzed by American Interplex

Reviewed By:

Dolores Shelly

Method:

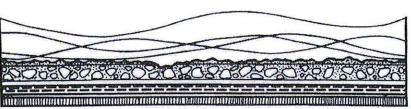
18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater" EPA Regulations, 40 CFR, Part 136

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."

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

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





July 22, 2011

JULY SAMPLA

FOR:

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

20113132

Type of Analysis:

Wastewater - Nema Wash

Date Sample Collected:

July 6, 2011

Date Sample Received: Time Sample Received: July 7, 2011

Time Sample Collected: 1:20pm

Sample Received By:

12:03pm C Peterson

Sample Collected By:

Sample #:

Nidec Motor Corp.

Sample Temperature:

Parameter	Method Number	Date & T Analyz		Ву	Reported* <u>Value</u>	MDL mg/Kg	% Recovery	% RDP
Lead *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.04	0.04	113.0	1.83
Nickel *	EPA 200.7	7/19/2011	1:31pm	AIP	0.36	0.01	112.0	1.65
Cadmium *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.004	0.004	114.0	2.44
Silver *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.007	0.007	118.0	5.21
Chromium *	EPA 200.7	7/19/2011	1:31pm	AIP	<0.007	0.007	102.0	2.37
Copper *	EPA 200.7	7/19/2011	1:31pm	AlP	0.086	0.006	112.0	2.77
Cyanide *	SM 4500- CN C,E	7/19/2011	10:30am	AIP	0.28	0.04	97.4	5.33
Zinc *	EPA 200.7	7/20/2011	6:51pm	AIP	0.057	0.002	83.1	4.16

^{*} Sample Analyzed by American Interplex

Reviewed By:

Doloris Shelly

*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."





179) 649-8378

Fort Smith, Arkansas 72902 8378 Fax (479) 649-8486 Cイバロ)

Data Testing, Inc. 3434 Country Club P. O. Box 1507

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USE 40 CFR 1857 PROCEEDURES

COMMENTS: TTO METALS CALY8.IN), CR(24.IV), CU(PR. IW), PL(BZ.IW) NI(28 IW) AG(47.IW) ZN(30.IW)

Chain of Gustody Form vis vis

CHANIDE

User: US Electrical Motors Div

POTW: Mena Water & Sewer Dept

Sampling Point: Batch discharge from 40CFR433 wastewater treatment system

Special Sampling Requirement: None

Monitoring Frequency: UEM must sample for each parameter at least once during the six month period

		CO	NCEN	CONCENTRATION (mg/l)	CION	(I/gm)			
Pollutant	Cd	Cr	Cu	dd	Z.	Ag	Zn	CN ⁴	TTO5
Max for 1 day 0.69	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	* * * *
Frequency	1/6 Mo	1/6 Mo	1/6 Mo	1/6 Mo	1/6 Mo	1/6 Mo	1/6 Mo	1/6 Mo	
pe	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	
Course Can a land									

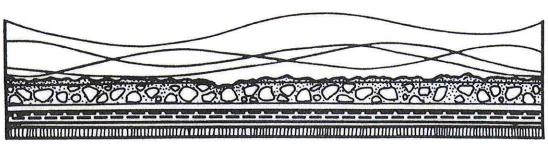
Term of Limits: In accordance with 40CFR433.15 these limits became effective on March 20, 2001 as approved The term of these limits shall not exceed five years; therefore, these limits shall

either be deemed void by ADEQ or expire five years from the effective date (whichever occurs first). by ADEQ and was deemed void on

generated, the reported value must be the method detection level. ⁴The Cyanide limit applies only if (1) the User declares a cyanide bearing stream and (2) the CIU monitors the cyanide bearing stream before dilution with other streams. If no cyanide is used or

S Elec Motors may submit a certification in lieu of sampling if desired





August 24, 2011

FOR:

Nidec Motor Corp

500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis:

Washwater

Date Sample Collected:

August 1, 2011

Time Sample Collected:

12:30pm

Sample Collected By:

Nidec Motor Corp.

Date Sample Received:

August 2, 2011

Time Sample Received:

1:00pm

Sample Received By:

C Peterson

Sample #:

20113450

Sample Temperature:

<u>Parameter</u>	Method Number	Date & Analyz		Ву	Reported* <u>Value</u>	MDL mg/Kg	% Recovery	% <u>RDP</u>
Zinc	3111-B	8/23/2011	11:07am	CAP	0.271	0.002	93.2	2.8

Reviewed By:

Dolorer 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, A	Aaron [NMC	A-MEN]						
From: Sent: To:	STATISTICS STREET, SALES	water@mwc-eng August 24, 2011 1	-					
	8-1_washwate	A						
					8			
August 24	1, 2011							
FOR:		tor Corp orrow Street kansas 71953						
Type of A	analysis:	Washwater						
Time San	ple Collected aple Collected collected By:	: August 1, 201 d: 12:30pm Nidec Motor			Date Sample R Time Sample R Sample Receiv	eceived:	August 2, 20 1:00pm C Peterson	11
Sample #	: 201134:	50			Sample Tempe	rature:		
Paramet	Method er Number			Ву	Reported* <u>Value</u>	MDL mg/Kg	% Recovery	% <u>RDP</u>
Zinc	3111-B	8/23/2011	11:07am	CAP	0.271	0.002	93.2	2.8

Reviewed By:

Method:

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EPA Regulations, 40 CFR, Part 136

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



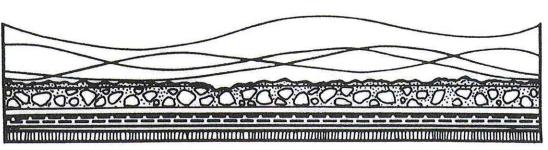
Company Name: Project Name or Number: Address: Sampling Personnel Signature(s): Received by: Relinquished by Relinquished by: WASH WATER Zsel myers 000 NIDEC WASTE WATER FROM WASHER Sample I.D. 5 MOTER CORP MORROW ST 18/1/11 12:30 Date Time Comp. Grab Cont. Type Plast. MENA NR 71953 Purchase Order #: YER 7-18+3011 Glass Phone #: Containers # of 479-394-874 12504 EDD MYERS Printed: Date: Date: 11-1-8 Method Preserved ниоз HOAN HCL Time: lce Time: Ime: 1:00 None Water Sample Matrix Soil Air Relinquished by: Received by Laboratory: Received by: Sludge Other CBOD Ammonia Requested Analysis Suspended Solids Fecal Coliform Zn X Date: Date: Date: Laboratory Control Number EPA 28.7 Time: Time: Time: Remarks

Comments:

Chain of Custody Form xls xls

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





August 24, 2011

FOR:

Nidec Motor Corp

500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis:

Washwater

Date Sample Collected:

August 8, 2011

Time Sample Collected: Sample Collected By:

10:00am

Nidec Motor Corp.

Date Sample Received:

August 10, 2011

Time Sample Received:

2:00pm

Sample Received By:

C Peterson

Sample #:

20115576

Sample Temperature:

<u>Parameter</u>	Method Number	Date & Analy		<u>By</u>	Reported* <u>Value</u>	MDL mg/Kg	% Recovery	% <u>RDP</u>
						E.		
Zinc	3111-B	8/23/2011	11:08am	CAP	0.070	0.002	93.2	2.8

Reviewed By:

_ dolow Shelby

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

Method:

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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."

From: Data Testing [water@mwc-engr.com] Sent: Wednesday, August 24, 2011 11:54 AM To: Exley, Aaron [NMCA-MEN] Subject: 8/8_washwater_zinc August 24, 2011 FOR: Nidec Motor Corp 500 N. Morrow Street Mena, Arkansas 71953 Type of Analysis: Washwater Date Sample Collected: August 8, 2011 Date Sample Received: August 10, 2011	Exley, Aa	ron [NMCA	-MEN]						
FOR: Nidec Motor Corp 500 N. Morrow Street Mena, Arkansas 71953 Type of Analysis: Washwater	Sent: W	ednesday, Au dey, Aaron [N	igust 24, 2011 1 IMCA-MEN]					9	
500 N. Morrow Street Mena, Arkansas 71953 Type of Analysis: Washwater	August 24, 2	011							
	FOR:	500 N. Mo	rrow Street						
Date Sample Collected: August 8, 2011 Date Sample Received: August 10, 2011	Type of Ana	lysis:	Washwater						
Time Sample Collected: 10:00am Sample Collected By: Nidec Motor Corp. Time Sample Received: 2:00pm Sample Received By: C Peterson	Time Sampl	e Collected:	10:00am			Time Sample F	Received:	2:00pm	011
Sample #: 20115576 Sample Temperature:	Sample #:	20115576	5			Sample Tempe	rature:		
Method Date & Time Reported* MDL % % Parameter Number Analyzed By Value mg/Kg Recovery RDP	Parameter				Ву		V 10 10 10 10 10 10 10 10 10 10 10 10 10		
Zinc 3111-B 8/23/2011 11:08am CAP 0.070 0.002 93.2 2.8	Zinc	3111-B	8/23/2011	11:08am	CAP	0.070	0.002	93.2	2.8

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

Method:

the

18th, 19th, 20th Edition of "Standard Methods for the Examination of Water & Wastewater"

Reviewed By:

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



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Date: Date: 8-8-11/12:15 Time: Time: Received by Laboratory: Relinquished by: Received by:

Comments:

Relinquished by:

Date:

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Time:

Date:

Time:

Received by:

Relinquished by:

WASH WATER

8/8/11 10:00

Chain of Custody Form xls xls.

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

Exley, Aaron	INMCA-MENT
Exiev, Maion	[IAIAICW-IAITIA]

From:

Data Testing [water@mwc-engr.com]

Sent:

Monday, October 03, 2011 4:24 PM

To:

Exley, Aaron [NMCA-MEN]

Subject: 9/20_wastewater_zinc

October 3, 2011

FOR:

Nidec Motor Corp

500 N. Morrow Street Mena, Arkansas 71953

Type of Analysis:

Wastewater Sample

Date Sample Collected: September 20, 2011

Time Sample Collected: 10:15am

Sample Collected By: Nidec Motor Corp.

Date Sample Received: September 21, 2011

Time Sample Received: 11:55am

Sample Received By:

C Peterson

Sample #:

20116775

Sample Temperature:

	Method	Date & Time		Reported*	MDL	%	%
Parameter	Number	Analyzed	By	Value	mg/Kg	Recovery	RDP

Zinc 3111-B 9/28/2011 10:34am CAP 0.084 0.002 81.4 1.19

Reviewed By:

Method:

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