Nidec
All for dreams

Sam Norman
Environmental, Health & Safety Manager

October 11, 2021

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 April 1, 2021 thru September 30, 2021.

All the testing results are attached to this report.

Sincerely,

Sam Norman

Sam Norman

CC: Mike Spencer – Mena POTW
Kelly Martin - 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: Samuel H. Norman **TELEPHONE NUMBER:** 479-394-8741 **e-mail:** samuel.norman@nidec-motor.com

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

A. MONTHS WHICH REPORTS ARE DUE

April & October

B. PERIOD COVERED BY THIS REPORT

FROM: April 2021 TO: September 2021

(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.

Change in Responsible Official from Jim Stroope, Plant Manager, to Steven Holland, Regional Human Resources Manager.

C. Number of Regular Employees at this Facility
403

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)	54.8	1,100	Batch
Regulated (Cyanide)	-	-	-
'403.6(e) Unregulated*	-	-	-
'403.6(e) Dilute	-	-	-
Cooling Water BD	21	26	Continuous
Sanitary	11,899	13,599	Continuous
Total Flow to POTW	12,360	14,072	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

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	<.004	.012	0.035	<0.04	.180	<.007	0.310	<0.01	Na*
Avg Measured**	<.004	.012	0.035	<0.04	.180	<.007	0.310	<0.01	Na*

Sample Location: Discharge from Wastewater Stream

Sample Type (Grab or Composite): Grab

Number of Samples and Frequency Collected: 1 every 6 mo. Required

40CFR136 Preservation and Analytical Methods Use: 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.

Steven Holland
(Typed/Printed Name)

O. Steven Holland
(Corporate Officer or authorized representative signature)

Date of Signature 10-13-2021

CORPORATE ACKNOWLEDGEMENT (Optional)

STATE OF ARKANSAS
COUNTY OF POLK

Before me, the undersigned authority, on this day personally appeared O. Steven Holland of Nidec Motor Corporation, 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 13th day of October, 2021.

Judy C. Jones
Notary Public in and for Polk County, Arkansas

My commission expires 8/28/2023

JUDY C. JONES
POLK COUNTY
NOTARY PUBLIC - ARKANSAS
My Commission Expires August 28, 2023
Commission No. 12395029

(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:

1. **Floor drains sealed.**
2. **Annual SPCC and SWPPP training / Annual RCRA training.**
3. **Annual Hazardous Communication Training.**
4. **Batches can be held until test results are received.**

(8) GENERAL COMMENTS

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

Steven Holland
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

O Steve Holland
SIGNATURE

Regional Human Resources Manager
OFFICIAL TITLE

10-13-2021
DATE SIGNED

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
ATTN: Mr. Samuel H. Norman
500 N Morrow Street
Mena, AR 71953

This report contains the analytical results and supporting information for the sample received on September 13, 2021. 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. Samuel H. Norman
samuel.norman@nidec-motor.com

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

SAMPLE INFORMATION

Project Description:
One (1) water sample(s) received on September 13, 2021
P.O. No. 16010628607

Receipt Details:
A Chain of Custody was not 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
258550-1	Titan 1A, 1B	09-Sep-2021 0735	1

Notes:
1. Received temperature of samples did not meet regulatory requirements

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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Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 258550-1
Sample Identification: Titan 1A, 1B 09-Sep-2021 0735

Analyte		Result	RL	Units	Qualifier
Total Cyanide		**< 0.01**	0.01	**mg/l**	
SM 4500-CN C,E 2011	Prep: 16-Sep-2021 0838 by 300	Analyzed: 17-Sep-2021 0848 by 300		Batch: W77076	
Cadmium		**< 0.004**	0.004	**mg/l**	
EPA 200.7	Prep: 13-Sep-2021 1237 by 328	Analyzed: 14-Sep-2021 1142 by 328		Batch: S51562	
Chromium		**0.012**	0.01	**mg/l**	
EPA 200.7	Prep: 13-Sep-2021 1237 by 328	Analyzed: 14-Sep-2021 1142 by 328		Batch: S51562	
Copper		**0.035**	0.01	**mg/l**	
EPA 200.7	Prep: 13-Sep-2021 1237 by 328	Analyzed: 14-Sep-2021 1142 by 328		Batch: S51562	
Lead		**< 0.04**	0.04	**mg/l**	
EPA 200.7	Prep: 13-Sep-2021 1237 by 328	Analyzed: 14-Sep-2021 1142 by 328		Batch: S51562	
Nickel		**0.18**	0.01	**mg/l**	
EPA 200.7	Prep: 13-Sep-2021 1237 by 328	Analyzed: 14-Sep-2021 1142 by 328		Batch: S51562	
Silver		**< 0.007**	0.007	**mg/l**	
EPA 200.7	Prep: 13-Sep-2021 1237 by 328	Analyzed: 14-Sep-2021 1142 by 328		Batch: S51562	
Zinc		**0.31**	0.01	**mg/l**	
EPA 200.7	Prep: 13-Sep-2021 1237 by 328	Analyzed: 14-Sep-2021 1142 by 328		Batch: S51562	

AMERICAN INTERPLEX CORPORATION
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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	98.7	72.4-108			W77076	16Sep21 0839 by 300	17Sep21 0840 by 300		
Cadmium	0.2 mg/l	91.6	85.0-115			S51562	13Sep21 1236 by 328	14Sep21 0947 by 328		
Chromium	0.2 mg/l	101	85.0-115			S51562	13Sep21 1236 by 328	14Sep21 1136 by 328		
Copper	0.2 mg/l	90.1	85.0-115			S51562	13Sep21 1236 by 328	14Sep21 0947 by 328		
Lead	2 mg/l	99.8	85.0-115			S51562	13Sep21 1236 by 328	14Sep21 1136 by 328		
Nickel	0.2 mg/l	89.9	85.0-115			S51562	13Sep21 1236 by 328	14Sep21 0947 by 328		
Silver	0.04 mg/l	85.0	85.0-115			S51562	13Sep21 1236 by 328	14Sep21 0947 by 328		
Zinc	0.2 mg/l	93.1	85.0-115			S51562	13Sep21 1236 by 328	14Sep21 0947 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	258640-1	0.1 mg/l	93.4	68.8-112	W77076	16Sep21 0839 by 300	17Sep21 0844 by 300		
	258640-1	0.1 mg/l	95.0	68.8-112	W77076	16Sep21 0839 by 300	17Sep21 0846 by 300		
	Relative Percent Difference:		1.60	12.2	W77076				
Cadmium	258503-1	0.2 mg/l	90.4	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0949 by 328		
	258503-1	0.2 mg/l	93.6	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0952 by 328		
	Relative Percent Difference:		3.42	20.0	S51562				
Chromium	258503-1	0.2 mg/l	103	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 1138 by 328		
	258503-1	0.2 mg/l	103	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 1140 by 328		
	Relative Percent Difference:		0.00485	20.0	S51562				
Copper	258503-1	0.2 mg/l	89.0	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0949 by 328		
	258503-1	0.2 mg/l	90.4	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0952 by 328		
	Relative Percent Difference:		1.62	20.0	S51562				
Lead	258503-1	2 mg/l	98.4	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 1138 by 328		
	258503-1	2 mg/l	99.7	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 1140 by 328		
	Relative Percent Difference:		1.36	20.0	S51562				
Nickel	258503-1	0.2 mg/l	85.4	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0949 by 328		
	258503-1	0.2 mg/l	86.9	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0952 by 328		
	Relative Percent Difference:		1.68	20.0	S51562				
Silver	258503-1	0.04 mg/l	79.7	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0949 by 328		
	258503-1	0.04 mg/l	82.9	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0952 by 328		
	Relative Percent Difference:		3.94	20.0	S51562				
Zinc	258503-1	0.2 mg/l	96.8	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0949 by 328		
	258503-1	0.2 mg/l	98.0	75.0-125	S51562	13Sep21 1236 by 328	14Sep21 0952 by 328		
	Relative Percent Difference:		1.19	20.0	S51562				

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

LABORATORY BLANK RESULTS

Analyte	Result	RL	LOQ	QC Sample	Preparation Date	Analysis Date	Qual
Total Cyanide	< 0.0085 mg/l	0.0085	0.01	W77076-1	16Sep21 0839 by 300	17Sep21 0838 by 300	
Cadmium	< 0.002 mg/l	0.002	0.004	S51562-1	13Sep21 1236 by 328	14Sep21 0944 by 328	
Chromium	< 0.005 mg/l	0.005	0.01	S51562-1	13Sep21 1236 by 328	14Sep21 1133 by 328	
Copper	< 0.006 mg/l	0.006	0.01	S51562-1	13Sep21 1236 by 328	14Sep21 0944 by 328	
Lead	< 0.02 mg/l	0.02	0.04	S51562-1	13Sep21 1236 by 328	14Sep21 1133 by 328	
Nickel	< 0.005 mg/l	0.005	0.01	S51562-1	13Sep21 1236 by 328	14Sep21 0944 by 328	
Silver	< 0.004 mg/l	0.004	0.007	S51562-1	13Sep21 1236 by 328	14Sep21 0944 by 328	
Zinc	< 0.007 mg/l	0.007	0.01	S51562-1	13Sep21 1236 by 328	14Sep21 0944 by 328	

Treated Waste water (DMR)

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

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client:	Nidec Motor Corporation				PO No.			NO OF BOTTLES	ANALYSIS REQUESTED												AIC CONTROL NO:
Project Reference	DMR April 1, 2021 - September 30, 2021				SAMPLE MATERIX																AIC PROPOSAL NO:
Project Manager:	Samuel Norman				WATER	SOIL															Carrier:/Tracking No:
Sampled By:	Marcus A. Looney		GRAB	COMP																	Received Temperature C
AIC no.	Sample Identification	Date / Time Collected							Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN					Remarks
	Titan 1A	9-9-21 7:35am	X		X			1	X	X	X	X	X	X	X						pH 7.39 @ 87°F
	Titan 1B	9-9-21 7:35am	X		X			1								X					pH 7.39 @ 87°F
																					Field pH calibration
		Container Type							P	P	P	P	P	P	P	P					on 9/9 @ 87°
		Preservative							N	N	N	N	N	N	N	B					Buffer: 4.01 ± 10.01

G = Glass, NO = none; P = Plastic, S = Sulfuric acid pH2; V = VOA vials, N = Nitric acid pH2; H = HCl to pH2, B = NaOH to pH12; T = Sodium Thiosulfate, Z = Zinc acetate

Turnaround Time Requested: (please circle)
NORMAL or EXPEDITED IN 1 DAY
Expedited results requested by: Samuel Norman
Who should AIC contact with questions: Samuel Norman
Phone: 479-216-2743 Fax: 479-394-8777
Report Attention to : Aaron Exley
Report Address to: Nidec Motor Corporation
500 N. Morrow St.
Mena, AR 71953

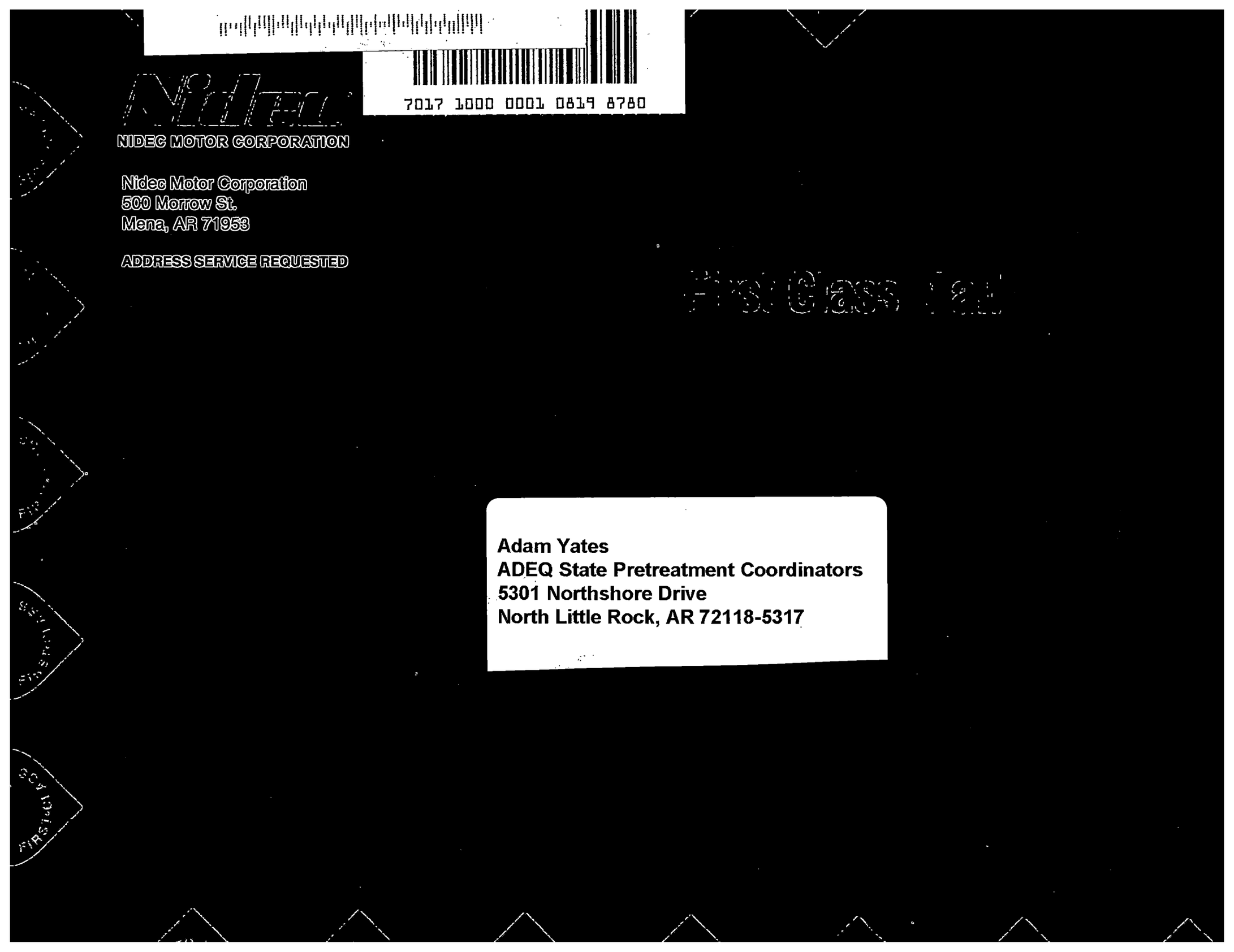
Relinquished By:	Date/Time	Received By	Date/Time
Marcus A. Looney	9:09 8:05am	Brooke Sanchez	9/9 8:05am
Brooke Sanchez	9/10 11:44		

Comments

Driver Brieler Smith 9-10-21 11:44 AM

Ref:
Dep:
Date: 09Sep21
Wgt: 9.00 LBS
DV:
Svcs: PRIORITY OVERNIGHT
TRCK: 9404 9116 9823

SHIPPING:	13.87
SPECIAL:	1.18
HANDLING:	0.00
100.00 TOTAL:	15.05



7017 1000 0001 0819 8780

NIDEC MOTOR CORPORATION

Nidec Motor Corporation
500 Morrow St.
Mena, AR 71953

ADDRESS SERVICE REQUESTED

FIRST-CLASS MAIL

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