Loethen, Katie

From:	Loethen, Katie
Sent:	Monday, June 28, 2021 4:00 PM
То:	'samuel.norman@nidec-motor.com'
Cc:	McWilliams, Carrie; Jain, Anmol; Sears, Jessica; 'charles.menawater@sbcglobal.net'
Subject:	AR0036692_Nidec 2018, 2019, 2020, and April 2021 semi annual pretreatment report_ 20210628

Sam,

Nidec's 2018, 2019, 2020 and April 2021 reports have been electronically received, reviewed, and deemed complete and compliant with the reporting requirements in 40 CFR 403.12(e) and the Metal Finishing standards in 40 CFR 433.17. No further action is deemed necessary at this time.

Thank you for your timely reports.

Best,

Katie Loethen | Wastewater Engineering InternDivision of Environmental Quality | Office of Water QualityPermits Branch5301 Northshore Drive | North Little Rock, AR 72118t: 501.683.3001 | e: Katie.loethen@adeq.state.ar.us









October 01, 2020

Samuel H. Norman Environmental, Health & Safety Manager

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, 2020 thru September 30, 2020.

All the testing results are attached to this report.

Nidec has changed the Cognizant Official from Mr. Aaron Exley to Mr. Samuel H. Norman for the facility. A copy of the completed NPDES Permits Change of Authorization forms for the Nidec Motor Corporation, Mena Plant (AFIN 57-00001) is attached and was submitted on September 28,2020.

Sincerely,

Served H. Nerme

Samuel H. Norman

CC: Mike Spencer – Mena POTW Kelly Martin – Nidec Director of Environmental Health & Safety

NIDEC MOTOR CORPORATION

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** B. **FACILITY & LOCATION ADDRESS Nidec Motor Corporation** Nidec Motor Corporation 500 N. Morrow St. 500 N. Morrow St. Mena, AR 71953 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 **B. PERIOD COVERED BY THIS REPORT** April & October FROM: April 2019 TO: September 2020 (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 THE SPACE BELOW IS INADEQUATE. PROVIDE A NEW CORE PROCESS(ES) SCHEMATIC IF APPROPRIATE. CHECK EACH APPLICABLE BLOCK Nidec has changed the Cognizant Official from Mr. Aaron **G** Electroplating Exley to Mr. Samuel H. Norman for the facility. A copy of the completed NPDES Permits Change of Authorization forms for X Electroless Plating the Nidec Motor Corporation, Mena Plant (AFIN 57-00001) is **G** Anodizing attached and was submitted on September 28,2020. **G** Coating G Chemical Etching and Milling Renewed Permit MENA02 with City of Mena till 2024. 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

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

(4) FLOW MEASUREMENT

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

Process	Average	Maximum	Type of Discharge
Regulated (Core &	59.6	1,100	Batch
Regulated (Cyanide)	-	-	i e
'403.6(e) Unregulated*	-	-	-
' 403.6(e) Dilute	-		-
Cooling Water BD	27	48	Continuous
Sanitary	10,288	10,450	Continuous
Total Flow to POTW	13,873	13,992	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

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.

B. COMMENTS ON TREATMENT SYSTEM

Pollutant(mg/l) limits	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	тто*
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	.013	0.100	<0.04	.760	<.007	0.190	0.150	Na*
Avg Measured**	<.004	.013	0.100	<0.04	.760	<.007	0.190	0.150	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.

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

	A. [Reserved]
	[Reserved]
	B. CHECK ONE: G '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED G '433.12(a) TTO CERTIFICATIO
	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, n 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.
	_Jim Stroope
	(Corporate Officer or authorized representative signature) Date of Signature <u>10/01/20</u> 20
<u>20</u>	DRATE ACKNOWLEDGEMENT (Optional)
	STATE OF ARKANSAS) COUNTY OFPolk)
	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

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

(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 treated in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or necycled should be treated 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 RCRA training Annual Hazcom Training Batches can be held until test results are received.

(8) GENERAL COMMENTS

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

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.

____JIM Stroope _____ NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Plant Manager **OFFICIAL TITLE**

SIGNATURE



August 10, 2020 Control No. 247574 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 received on August 7, 2020. 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.

Steve Bradford Deputy 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 August 7, 2020 P.O. No. 16010579285

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest. Ice chest #1 was delivered with shipping documentation.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
247574-1	Nema A	06-Aug-2020 0930	1
247574-2	Nema B	06-Aug-2020 0930	1

Notes:

1. Sample label was incomplete in regard to sample identification

<u>Qualifiers:</u>

X Spiking level is invalid due to the high concentration of analyte in the spiked sample

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).



August 10, 2020 Control No. 247574 Page 3 of 5

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

ANALYTICAL RESULTS

AIC No. 247574-1 Sample Identification: Nema A 06-Aug-2020 0930

Analyte		Result	RL	Units	Qualifier
Cadmium EPA 200.7	Prep: 07-Aug-2020 1205 by 100	< 0.004 Analyzed: 10-A	0.004 ug-2020 1107 by 328	mg/l Batch: S49596	
Chromium EPA 200.7	Prep: 07-Aug-2020 1205 by 100	0.013 Analyzed: 10-A	0.01 ug-2020 1107 by 328	mg/l Batch: S49596	
Copper EPA 200.7	Prep: 07-Aug-2020 1205 by 100	0.10 Analyzed: 10-A	0.01 ug-2020 1107 by 328	mg/l Batch: S49596	
Lead EPA 200.7	Prep: 07-Aug-2020 1205 by 100	< 0.04 Analyzed: 10-A	0.04 ug-2020 1226 by 328	mg/l Batch: S49596	
Nickel EPA 200.7	Prep: 07-Aug-2020 1205 by 100	0.76 Analyzed: 10-A	0.01 ug-2020 1107 by 328	mg/l Batch: S49596	
Silver EPA 200,7	Prep: 07-Aug-2020 1205 by 100	< 0.007 Analyzed: 10-A	0.007 ug-2020 1107 by 328	mg/l Batch: S49596	
Zinc EPA 200.7	Prep: 07-Aug-2020 1205 by 100	0.19 Analyzed: 10-A	0.01 ug-2020 1107 by 328	mg/l Batch: S49596	

AIC No. 247574-2

Sample Identification: Nema B 06-Aug-2020 0930

Analyte		Result	RL	Units	Qualifier
Total Cyanide		0.15	0.01	mg/l	
SM 4500-CN C,E 2011	Prep: 10-Aug-2020 0818 by 300	Analyzed: 10-Au	ug-2020 1321 by 300	Batch: W73032	



August 10, 2020 Control No. 247574 Page 4 of 5

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

LABORATORY CONTROL SAMPLE RESULTS

	Spike									
Analyte	Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	0.1 mg/l	90.9	69.6-118			W73032	10Aug20 0819 by 300	10Aug20 1315 by 300	-	
Cadmium	0.2 mg/l	93.1	85.0-115			S49596	07Aug20 1206 by 100	10Aug20 1104 by 328		
Chromium	0.2 mg/l	96.4	85.0-115			S49596	07Aug20 1206 by 100	10Aug20 1104 by 328		
Copper	0.2 mg/l	88.2	85.0-115			S49596	07Aug20 1206 by 100	10Aug20 1104 by 328		
Lead	2 mg/l	96.5	85.0-115			S49596	07Aug20 1206 by 100	10Aug20 1222 by 328		
Nickel	0.2 mg/l	96.6	85.0-115			S49596	07Aug20 1206 by 100	10Aug20 1104 by 328		
Silver	0.04 mg/l	107	85.0-115			S49596	07Aug20 1206 by 100	10Aug20 1104 by 328		
Zinc	0.2 mg/l	92.0	85.0-115			S49596	07Aug20 1206 by 100	10Aug20 1104 by 328		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Spike Sample Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
Total Cyanide	247559-2 0.1 mg/l 247559-2 0.1 mg/l Relative Percent Difference:	77.2 73.9 4.21	62.0-107 62.0-107 13.8	W73032 W73032 W73032	10Aug20 0819 by 300 10Aug20 0819 by 300	10Aug20 1318 by 300 10Aug20 1319 by 300		
Cadmium	247574-1 0.2 mg/l 247574-1 0.2 mg/l Relative Percent Difference:	80.6 78.5 2.55	75.0-125 75.0-125 20.0	S49596 S49596 S49596	07Aug20 1206 by 100 07Aug20 1206 by 100	10Aug20 1110 by 328 10Aug20 1113 by 328		
Chromium	247574-1 0.2 mg/l 247574-1 0.2 mg/l Relative Percent Difference:	79.9 78.5 1.64	75.0-125 75.0-125 20.0	S49596 S49596 S49596	07Aug20 1206 by 100 07Aug20 1206 by 100	10Aug20 1110 by 328 10Aug20 1113 by 328		
Copper	247574-1 0.2 mg/l 247574-1 0.2 mg/l Relative Percent Difference:	75.5 75.2 0.395	75.0-125 75.0-125 20.0	S49596 S49596 S49596	07Aug20 1206 by 100 07Aug20 1206 by 100	10Aug20 1110 by 328 10Aug20 1113 by 328		
Lead	247574-1 2 mg/l 247574-1 2 mg/l Relative Percent Difference:	102 97.3 4.47	75.0-125 75.0-125 20.0	S49596 S49596 S49596	07Aug20 1206 by 100 07Aug20 1206 by 100	10Aug20 1230 by 328 10Aug20 1234 by 328		
Nickel	247574-1 0.2 mg/l 247574-1 mg/l Relative Percent Difference:	- 0.825		S49596 S49596 S49596	07Aug20 1206 by 100 07Aug20 1206 by 100	10Aug20 1110 by 328 10Aug20 1113 by 328		x x
Silver	247574-1 0.04 mg/l 247574-1 0.04 mg/l Relative Percent Difference:	95.4 90.8 4.99	75.0-125 75.0-125 20.0	S49596 S49596 S49596	07Aug20 1206 by 100 07Aug20 1206 by 100	10Aug20 1110 by 328 10Aug20 1113 by 328		
Zinc	247574-1 0.2 mg/l 247574-1 0.2 mg/l Relative Percent Difference:	81.0 79.8 0.661	75.0-125 75.0-125 20.0	S49596 S49596 S49596	07Aug20 1206 by 100 07Aug20 1206 by 100	10Aug20 1110 by 328 10Aug20 1113 by 328		



August 10, 2020 Control No. 247574 Page 5 of 5

Nidec Motor Corporation 500 N Morrow Street Mena, AR 71953

LABORATORY BLANK RESULTS

			QC			
Result	RL	LOQ	Sample	Preparation Date	Analysis Date	Qual
< 0.0050 mg/l	0.0050	0.01	W73032-1	10Aug20 0819 by 300	10Aug20 1313 by 300	
< 0.004 mg/l	0.004	0.004	S49596-1	07Aug20 1206 by 100	10Aug20 1101 by 328	
< 0.009 mg/l	0.009	0.01	S49596-1	07Aug20 1206 by 100	10Aug20 1101 by 328	
< 0.008 mg/l	0.008	0.01	S49596-1	07Aug20 1206 by 100	10Aug20 1101 by 328	
< 0.03 mg/l	0.03	0.04	S49596-1	07Aug20 1206 by 100	10Aug20 1219 by 328	
< 0.005 mg/l	0.005	0.01	S49596-1	07Aug20 1206 by 100	10Aug20 1101 by 328	
< 0.004 mg/l	0.004	0.007	S49596-1	07Aug20 1206 by 100	10Aug20 1101 by 328	
< 0.009 mg/l	0.009	0.01	S49596-1	07Aug20 1206 by 100	10Aug20 1101 by 328	
	 < 0.0050 mg/l < 0.004 mg/l < 0.009 mg/l < 0.008 mg/l < 0.03 mg/l < 0.005 mg/l < 0.004 mg/l 	< 0.0050 mg/l	< 0.0050 mg/l 0.0050 0.01 < 0.004 mg/l	Result RL LOQ Sample < 0.0050 mg/l	Result RL LOQ Sample Preparation Date < 0.0050 mg/l	Result RL LOQ Sample Preparation Date Analysis Date < 0.0050 mg/l

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

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CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

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Nidec Motor Corporation SAMPLE DMR April - September 2020 SAMPLE Aaron Exley A Aaron Exley A Aaron Exley A Sample Identification Date / Time Collected Nema "A" 8/6/2020 9:30 No 8/6/2020 9:30 No 8/6/2020 9:30 No 8/6/2020 9:30 No 8/6/2020 9:30						a	PO No.		NO				ÄN	AL YSI.	ANALYSIS REQUESTED	UESTI	Q				IC CON	AIC CONTROL NO:		
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Duid AlC contact with questions: Aaron Exley Relinquished Date/Time Received in Lab Attention to: 479-216-3109 Fax: 479-394-8777 By: By: Attention to: Aaron Exley Comments Comments By: By: 03.12e Mena. AR 71953 500 N. Morrow St. Comments Excert to the tot tot tot tot tot tot tot tot tot to	round Time R AAL } or lited results re	Requested: (p	-	1 DAY Aaron Ey	dev	2				By O	Icyen	new	offic	40	ate/Tin 6 ht	<u>6</u>	35	BY	ived //	夙	t'h	Date/Time		
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to: Nidec Motor Corporation Comments 500 N. Morrow St. Mena. AR 71953	ri Attention to			Aaron E.	kley					÷								÷	1			Bix		
	rt Address Io: R403.12e R433.17		Nide 5	ec Motor C 00 N. Mon	orpora row St 71953	tion				Conr	nents			3						\$	ï	oT		
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REQUEST FOR CHANGE OF AUTHORIZATION (CERTIFICATION AND SIGNATORY REQUIREMENTS)

ARP000026 / ARR00A189 / ARD043564095 / 1013-AR-10

NPDES Permit Number:

Facility Name: Nidec Motor Corporation, Mena Plant

Type of Change: (check one)

Commentation

1.

New Cognizant Official (or duly authorized representative) (sections 1 and 2) New Responsible Official (complete section 2 only)

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Both (sections 1 and 2)

Additional Cognizant Official (or duly authorized representative) (sections 1 and 2)

NEW COGNIZANT OFFICIAL (or duly authorized representative) (See 122.22(b); the individual, authorized by the ranking official in writing, as having responsibility for the overall operation of the regulated facility or activity responsibility, or having overall responsibility for environmental matters for the company.)

The ranking official hereby designates the following individual as the cognizant official, (duly authorized representative), for signing the permit required reports, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Signature of the Cognizant Official (Duly Authorized Representative)

Sanuel H Norman				
Name (First Name	e, MI, Last Name) Typed	or Printed	1	
500 N. Morrow St.			Mena, AR 71953	
Mailing Address			City, State, and Zip	
EHS Manager		(479) 394-8741	
Title Email Address:	samuel.norman@nidec-	A/C.	Phone	Fax

By signature below, the responsible official certifies that the above named individual is qualified to act as the duly authorized representative under the provisions of 40 CFR 122.22(b).

2. RESPONSIBLE OFFICIAL (Note: The responsible official is the person authorized to sign the permit application i/a/w 40 CFR 122.22(a). For a Corporation: it is the responsible corporate officer. Partnership or Sole Proprietorship: the general partner or proprietor. Municipality, State, Federal or other Public Agency: the principal executive officer ranking elected official.)

Signature of the Responsible Official Jim Stroope		
Name (First Name, MI, Last Name) Typed or Printe	d	
500 N. Morrow St.	- Mena, AR 71953	
Mailing Address	City, State, and Zip	
Plant Manager (470	× 204 8000	

				p	
Plant Manager		(479) 394-8890			
Title Email Address:	jim.stroope@nidec-mo	A/C tor.com	Phone	Fax	

Certification: I certify under penalty of law that this document and all attachments were prepared under my direct 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.

Will the Responsible Official also be the person signing submittals?

1	Yes	[]	No
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ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK / ARKANSAS 72118-5317 / TELEPHONE 501-682-0744 / FAX 501-682-0880