## Loethen, Katie

**From:** Loethen, Katie
**Sent:** Monday, June 28, 2021 4:00 PM
**To:** '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 Intern
**Division of Environmental Quality | Office of Water Quality**
**Permits Branch**
5301 Northshore Drive | North Little Rock, AR 72118
t: 501.683.3001 | e: Katie.loethen@adeq.state.ar.us

Nidec
All for dreams

**Aaron Exley**
Environmental, Health & Safety Manager

Oct. 12, 2018

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, 2017 thru September 30, 2018.

All the testing results are attached to this report.

Sincerely,

Aaron Exley

Aaron Exley

CC: Mike Spencer – Mena POTW
Randy Wiseman - 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:** Aaron Exley **TELEPHONE NUMBER:** 479-394-8741 e-mail:aaron.exley@nidec-motor.com

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

**A. MONTHS WHICH REPORTS ARE DUE**

_____Oct_____ & _____April_____

**B. PERIOD COVERED BY THIS REPORT**

FROM: Apr 2018 TO: Sept 2018

## (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.

No changes
Renewed Permit MENA02 with City of Mena

**C. Number of Regular Employees at this Facility**
____395_____

**D. [Reserved]**

## (4) FLOW MEASUREMENT

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

| Process | Average | Maximum | Type of Discharge |
|---|---|---|---|
| Regulated (Core & | 89.55 | 1,100 | Batch |
| Regulated (Cyanide) | - | - | - |
| '403.6(e) Unregulated* | - | - | - |
| '403.6(e) Dilute | - | - | - |
| Cooling Water BD | 58 | 90 | Continuous |
| Sanitary | 10,283 | 10,650 | Continuous |
| Total Flow to POTW | 13,971 | 14,383 | 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

No changes to process

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 | <.01 | 0.074 | <0.04 | .10 | <.007 | 0.59 | <0.01 | Na* |
| Avg Measured** | <.004 | <.01 | 0.074 | <0.04 | .10 | <.007 | 0.59 | <0.01 | Na* |

Sample Location Discharge from Waste Water Stream_____

Sample Type (Grab or Composite)___Grab_____

Number of Samples and Frequency Collected___1 every 6 mo. Required

40CFR136 Preservation and Analytical Methods Use: 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.**

__Mark Kinder_____
(Typed/Printed Name)

_____
(Corporate Officer or authorized representative signature)

Date of Signature 10/12/18

**CORPORATE ACKNOWLEDGEMENT (Optional)**

STATE OF ARKANSAS )
COUNTY OF __Polk_____)

Before me, the undersigned authority, on this day personally appeared _____ of _____, a corporation, known to me to be the person whose name is subscribed to the foregoing instrument(s), and acknowledged to me that he executed the same for purposes and considerations therein expressed, in the capacity therein stated and as the act and deed of said corporation.

Given under my hand and seal of office on this _____ day of _____, 200__.

_____
Notary Public in and for _____
County, Arkansas

My commission expires _____.

## (7) POLLUTION PREVENTION ACT OF 1990 [42 U.S.C. 13101 et seq.]

'6602 [42 U.S.C. 13101] Findings and Policy para (b) Policy.--*The Congress hereby declares it to be the national policy of the United States that pollution should be prevented or reduced at the source whenever feasible; pollution that cannot be prevented should be recycled in an environmentally safe manner, whenever feasible; pollution that cannot be prevented or recycled should be treated in an environmentally safe manner whenever feasible; and disposal or other release into the environment should be employed only as a last resort and should be conducted in an environmentally safe manner.*

The User may list any new or ongoing Pollution Prevention practices:
Floor drains sealed
Annual SPCC and SWPPP training / Annual RCRA training
Annual Hazcom Training
Batches can be held until test results are received.

## (8) GENERAL COMMENTS

## (9) SIGNATORY REQUIREMENTS [40CFR403.12(l)]

**I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.**

____Mark Kinder _____ _____
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE — SIGNATURE

_____Plant Manager _____ 10/12/18
OFFICIAL TITLE — DATE SIGNED

AMERICAN INTERPLEX CORPORATION
LABORATORIES



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 June 8, 2018. 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. Aaron Exley
aaron.exley@nidec-motor.com

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

## SAMPLE INFORMATION

**Project Description:**
Two (2) water sample(s) received on June 8, 2018
DMR April 1, 2018 - September 30, 2018
P.O. No. 16010487554

**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 |
|---|---|---|---|
| 224170-1 | Titan A | 07-Jun-2018 1020 | |
| 224170-2 | Titan B | 07-Jun-2018 1020 | |

**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).

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

## ANALYTICAL RESULTS

**AIC No.** 224170-1
**Sample Identification:** Titan A 07-Jun-2018 1020

| Analyte | | Result | RL | Units | Qualifier |
|---|---|---|---|---|---|
| **Cadmium** | | **< 0.004** | 0.004 | **mg/l** | |
| EPA 200.7 | Prep: 08-Jun-2018 0950 by 328 | Analyzed: 08-Jun-2018 1532 by 308 | | Batch: S45360 | |
| **Chromium** | | **< 0.01** | 0.01 | **mg/l** | |
| EPA 200.7 | Prep: 08-Jun-2018 0950 by 328 | Analyzed: 08-Jun-2018 1532 by 308 | | Batch: S45360 | |
| **Copper** | | **0.074** | 0.006 | **mg/l** | |
| EPA 200.7 | Prep: 08-Jun-2018 0950 by 328 | Analyzed: 08-Jun-2018 1532 by 308 | | Batch: S45360 | |
| **Lead** | | **< 0.04** | 0.04 | **mg/l** | |
| EPA 200.7 | Prep: 08-Jun-2018 0950 by 328 | Analyzed: 08-Jun-2018 1532 by 308 | | Batch: S45360 | |
| **Nickel** | | **0.10** | 0.01 | **mg/l** | |
| EPA 200.7 | Prep: 08-Jun-2018 0950 by 328 | Analyzed: 08-Jun-2018 1532 by 308 | | Batch: S45360 | |
| **Silver** | | **< 0.007** | 0.007 | **mg/l** | |
| EPA 200.7 | Prep: 08-Jun-2018 0950 by 328 | Analyzed: 08-Jun-2018 1532 by 308 | | Batch: S45360 | |
| **Zinc** | | **0.59** | 0.01 | **mg/l** | |
| EPA 200.7 | Prep: 08-Jun-2018 0950 by 328 | Analyzed: 08-Jun-2018 1532 by 308 | | Batch: S45360 | |

**AIC No.** 224170-2
**Sample Identification:** Titan B 07-Jun-2018 1020

| Analyte | | Result | RL | Units | Qualifier |
|---|---|---|---|---|---|
| **Total Cyanide** | | **< 0.01** | 0.01 | **mg/l** | |
| SM 4500-CN C,E 2011 | Prep: 08-Jun-2018 1000 by 300 | Analyzed: 08-Jun-2018 1555 by 300 | | Batch: W64372 | |

AMERICAN INTERPLEX CORPORATION
LABORATORIES

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 | 85.2 | 85.0-115 | | | W64372 | 08Jun18 1000 by 300 | 08Jun18 1540 by 300 | | |
| Cadmium | 5 mg/l | 100 | 85.0-115 | | | S45360 | 08Jun18 0950 by 328 | 08Jun18 1517 by 308 | | |
| Chromium | 0.5 mg/l | 100 | 85.0-115 | | | S45360 | 08Jun18 0950 by 328 | 08Jun18 1517 by 308 | | |
| Copper | 0.5 mg/l | 98.0 | 85.0-115 | | | S45360 | 08Jun18 0950 by 328 | 08Jun18 1517 by 308 | | |
| Lead | 5 mg/l | 98.9 | 85.0-115 | | | S45360 | 08Jun18 0950 by 328 | 08Jun18 1517 by 308 | | |
| Nickel | 0.5 mg/l | 100 | 85.0-115 | | | S45360 | 08Jun18 0950 by 328 | 08Jun18 1517 by 308 | | |
| Silver | 0.1 mg/l | 106 | 85.0-115 | | | S45360 | 08Jun18 0950 by 328 | 08Jun18 1517 by 308 | | |
| Zinc | 0.5 mg/l | 102 | 85.0-115 | | | S45360 | 08Jun18 0950 by 328 | 08Jun18 1517 by 308 | | |

## MATRIX SPIKE SAMPLE RESULTS

| Analyte | Sample | Spike Amount | % | Limits | Batch | Preparation Date | Analysis Date | Dil | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Total Cyanide | 224167-1 | 0.1 mg/l | 84.9 | 75.0-125 | W64372 | 08Jun18 1000 by 300 | 08Jun18 1544 by 300 | | |
| | 224167-1 | 0.1 mg/l | 86.5 | 75.0-125 | W64372 | 08Jun18 1000 by 300 | 08Jun18 1546 by 300 | | |
| | Relative Percent Difference: | | 1.87 | 20.0 | W64372 | | | | |
| Cadmium | 224170-1 | 5 mg/l | 98.8 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1522 by 308 | | |
| | 224170-1 | 5 mg/l | 97.3 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1527 by 308 | | |
| | Relative Percent Difference: | | 1.58 | 20.0 | S45360 | | | | |
| Chromium | 224170-1 | 0.5 mg/l | 99.3 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1522 by 308 | | |
| | 224170-1 | 0.5 mg/l | 98.3 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1527 by 308 | | |
| | Relative Percent Difference: | | 0.957 | 20.0 | S45360 | | | | |
| Copper | 224170-1 | 0.5 mg/l | 101 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1522 by 308 | | |
| | 224170-1 | 0.5 mg/l | 101 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1527 by 308 | | |
| | Relative Percent Difference: | | 0.0916 | 20.0 | S45360 | | | | |
| Lead | 224170-1 | 5 mg/l | 98.6 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1522 by 308 | | |
| | 224170-1 | 5 mg/l | 97.4 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1527 by 308 | | |
| | Relative Percent Difference: | | 1.20 | 20.0 | S45360 | | | | |
| Nickel | 224170-1 | 0.5 mg/l | 98.0 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1522 by 308 | | |
| | 224170-1 | 0.5 mg/l | 97.1 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1527 by 308 | | |
| | Relative Percent Difference: | | 0.696 | 20.0 | S45360 | | | | |
| Silver | 224170-1 | 0.1 mg/l | 104 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1522 by 308 | | |
| | 224170-1 | 0.1 mg/l | 102 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1527 by 308 | | |
| | Relative Percent Difference: | | 1.99 | 20.0 | S45360 | | | | |
| Zinc | 224170-1 | 0.5 mg/l | 96.9 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1522 by 308 | | |
| | 224170-1 | 0.5 mg/l | 95.4 | 75.0-125 | S45360 | 08Jun18 0950 by 328 | 08Jun18 1527 by 308 | | |
| | Relative Percent Difference: | | 0.729 | 20.0 | S45360 | | | | |

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Nidec Motor Corporation
500 N Morrow Street
Mena, AR 71953

## LABORATORY BLANK RESULTS

| Analyte | Result | RL | PQL | QC Sample | Preparation Date | Analysis Date | Qual |
|---|---|---|---|---|---|---|---|
| Total Cyanide | < 0.01 mg/l | 0.01 | 0.01 | W64372-1 | 08Jun18 1000 by 300 | 08Jun18 1538 by 300 | |
| Cadmium | < 0.004 mg/l | 0.004 | 0.004 | S45360-1 | 08Jun18 0950 by 328 | 08Jun18 1512 by 308 | |
| Chromium | < 0.01 mg/l | 0.01 | 0.01 | S45360-1 | 08Jun18 0950 by 328 | 08Jun18 1512 by 308 | |
| Copper | < 0.006 mg/l | 0.006 | 0.006 | S45360-1 | 08Jun18 0950 by 328 | 08Jun18 1512 by 308 | |
| Lead | < 0.04 mg/l | 0.04 | 0.04 | S45360-1 | 08Jun18 0950 by 328 | 08Jun18 1512 by 308 | |
| Nickel | < 0.01 mg/l | 0.01 | 0.01 | S45360-1 | 08Jun18 0950 by 328 | 08Jun18 1512 by 308 | |
| Silver | < 0.007 mg/l | 0.007 | 0.007 | S45360-1 | 08Jun18 0950 by 328 | 08Jun18 1512 by 308 | |
| Zinc | < 0.01 mg/l | 0.01 | 0.01 | S45360-1 | 08Jun18 0950 by 328 | 08Jun18 1512 by 308 | |

**AMERICAN INTERPLEX**
CORPORATION
LABORATORIES

## CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Client: | Nidec Motor Corporation | | | | PO No. | | | NO OF | ANALYSIS REQUESTED | | | | | | | | | | | | | AIC CONTROL NO: 224170 | |
| Project Reference | DMR April 1, 2018 - September 30, 2018 | | | | SAMPLE MATERIX | | | BOTTLES | | | | | | | | | | | | | | AIC PROPOSAL NO: | |
| Project Manager: | Aaron Exley | | | | | | | | | | | | | | | | | | | | | Carrier/Tracking No: FED X | |
| Sampled By: | Marcus A. Looney | | GRAB | COMP | WATER | SOIL | | | | | | | | | | | | | | | | Received Temperature C 0.6 | |
| AIC no. | Sample Identification | Date / Time Collected | | | | | | | Cd | Cr | Cu | Pb | Ni | Ag | Zn | CN | | | | | | Remarks | |
| 1 | Titan A | 6/7/2018 - 10:20 AM | X | | X | | | 1 | X | X | X | X | X | X | X | | | | | | | pH 7.9 @ 84 F | |
| 2 | Titan B | 6/7/2018 - 10:20 AM | X | | X | | | 1 | | | | | | | | X | | | | | | pH 7.9 @ 84 F | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | Field pH calibration | |
| | | Container Type | | | | | | | P | P | P | P | P | P | P | P | | | | | | on 6/7/18 @ 10:19 AM | |
| | | Prservative | | | | | | | N | N | N | N | N | N | N | B | | | | | | Buffer: 7.00 & 10.01 | |

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

Turnaround Time Requested: (please circle)
NORMAL or EXPEDITED IN 1 DAY
Expedited results requested by: Aaron Exley
Who should AIC contact with questions: Aaron Exley
Phone: 479-216-3109 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 | 6/7/18 11:00am | Lea Ashley | 6/7/18 11:00 |
| Lea Ashley | 6/6/18 1:35 | Becki Smith | 6-7-18 13:35 |

Comments

D. BROWN 6-8-18/0730

4448 3006 7873

## (4) FLOW MEASUREMENT

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

| Process | Average | Maximum | Type of Discharge |
|---|---|---|---|
| Regulated (Core & | 76 | 1,100 | Batch |
| Regulated (Cyanide) | - | - | - |
| '403.6(e) Unregulated* | - | - | - |
| '403.6(e) Dilute | - | - | - |
| Cooling Water BD | 50 | 91 | Continuous |
| Sanitary | 12,903 | 13,349 | Continuous |
| Total Flow to POTW | 13,192 | 13,636 | 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

No changes to process
Purchased chemical for process

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 | .0052 | <.007 | 0.18 | <0.04 | .15 | <.007 | .93 | .018 | Na* |
| Avg Measured** | .0052 | <.007 | 0.18 | <0.04 | .15 | <.007 | 0.93 | .018 | Na* |

Sample Location Discharge from Waste Water Stream_____

Sample Type (Grab or Composite)___Grab_____

Number of Samples and Frequency Collected___1 every 6 mo. Required

40CFR136 Preservation and Analytical Methods Use: 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.