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102 Industrial Drive Batesville, Arkansas 72501

June 26, 2012

Allen Gilliam  
Arkansas Department of Environmental Quality  
State Pretreatment Coordinator  
Email: [gilliam@adeq.state.ar.us](mailto:gilliam@adeq.state.ar.us)

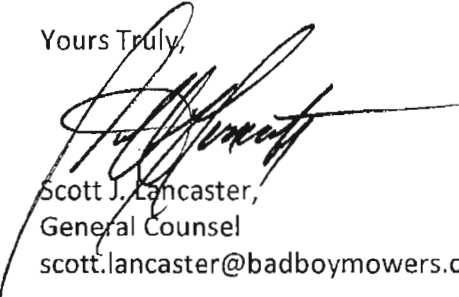
Re: *Bad Boy, Inc. Baseline Monitoring Report & Semi-Annual Report for Industrial Users*  
*Tracking # ARP001027*

Dear Mr. Gilliam:

I am enclosing with this letter the originals of the ADEQ Baseline Monitoring Report [BMR] (for Metal Finishers under 40 CFR 433) submitted on behalf of Bad Boy, Inc. I'm also enclosing the original Semi-Annual Report for Industrial Users Regulated by 40CFR433 submitted by BBI.

Please contact either me or Randel Davis following your receipt of these documents with any questions you may have or any additional information you may need.

Yours Truly,



Scott J. Lancaster,  
General Counsel  
[scott.lancaster@badboymowers.com](mailto:scott.lancaster@badboymowers.com)

SJL/rrs

(4) Flow Measurement [§403.12(b)(4)]:

A. Total Plant Flow in Gallons per Day (gpd):

Average ~~2,000~~ <sup>7,772</sup> Maximum ~~2,800~~ <sup>13,200</sup> AE

{denote all the flows below if measured [M] or estimated [E]}

B. Individual Flows in Gallons per Day (gpd) Dilute wastestreams include non-contact cooling water, sanitary waste, boiler blowdown, etc.	Average Flow Rate (gpd)	Max. Flow Rate (gpd)	Type Discharge and at what frequency (describe)	Discharged to City, hauled off-site or recycled (describe)
Regulated Streams				
Stage 1	500 gal*	500 gal	1500 gal / 2 per yr.	Discharge to City
2	5274 gal	8700 gal	continuous AE	" "
3	300 gal*	300 gal	900 gal / 2 per yr.	" "
4	2498 gal	4500 gal	continuous AE	" "
5	250 gal*	250 gal	750 gal / 2 per yr.	" "
Unregulated Streams				
	N/A			
	N/A			
Dilute Streams <sup>3</sup>	N/A			
Non-Contact Cooling Water	N/A			
Boiler Blowdown	N/A			
Sanitary Wastewater	N/A			
De-I or R/O backwash	N/A			

<sup>1</sup> Referring to 40 CFR 403.6(e)(1) average flows must be for a 30-day period unless batch discharges are less frequent than monthly.

<sup>2</sup> Do not normalize over a period of days if batch discharged; state measured amount per batch and at what frequency. Show type - Continuous, Batch (Monthly, Semi-annually, 1 per 3 months, 5 days/week, 25 days/30-day period, etc.)

<sup>3</sup> Denote whether any of these streams are combined to the regulated wastestream prior to pretreatment OR prior to the final sampling point. If any of these flows are combined with the regulated wastestream as alluded to above, the MAC and AAC values in Section (5)C. below will have to be calculated.

\* I low rate during batch discharge. Batch discharge occurs twice per year as noted above.

**ADEQ BASELINE MONITORING REPORT [BMR]**  
(for Metal Finishers under 40 CFR 433)

**Instructions:** In accordance with 40CFR403.12(b) Industrial Users subject to categorical Pretreatment Standards are required to submit to ADEQ a report which contains the information in paragraphs (b)(1)-(7). The User is responsible for submitting a complete and accurate report. The User must complete this form in as much detail as possible. Include additional information on attached sheets as necessary where space is limited.

(1) Facility Identifying Information [§403.12(b)(1)]:

A. Legal Name: Bad Boy, Inc.  
Mailing Address: 102 Industrial Dr.  
Batesville, AR Zip: 72501

B. Facility Name: Same as above  
Location: \_\_\_\_\_ Zip: \_\_\_\_\_

C. Name of Owners: Phillip Pulley and Robert Foster  
Address: 102 Industrial Dr.  
Batesville, AR 72501

D. Name of Pretreatment System Operators: PH adjustment only Class: \_\_\_\_\_  
Class: \_\_\_\_\_  
Class: \_\_\_\_\_

E. Facility Signatory Authority / Title: Randel Davis / Paint Shop Supervisor

F. Main wastewater compliance contact / Title: Randel Davis / Paint Shop Supervisor  
Phone number: (870) 698-0090 Cell #: (870) 612-0350  
e-mail address: Randel.davis@badboy-motors.com

G. Number of Employees: 375 Number of Shifts: 2

H. Number of Months per Calendar Year which Plant normally operates: 12

I. Name of the City [Publicly Owned Treatment Works (POTW)] that receives the wastewater discharges from this facility. If this facility has other wastewater not connected to a sewerage system describe where that wastewater is discharged): City of Batesville

J. Provide the date the facility began discharging regulated wastewater to the POTW: Feb. 1, 2007

Date facility installed/commenced construction of the Metal Finishing operation(s): Oct. 15, 2006

(2) User's Permits [§403.12(b)(2)]:

Describe all environmental control permits held by or for the facility:

Describe Title of the Permit	Permit No.	Issuing Office or Agency	Exp. Date
None at this time			

(3) Description of Operations [§403.12(b)(3)]:

A. List Basis Metals Used: Cold rolled steel A1011-C1008, also see attached MSDS,

B. List Chemicals (attach first page of their MSDS if necessary [not trade names]) used in regulated process(es) (solvents, acids, caustics, aqueous cleaners, machining oils/lubricants/coolants, etc.) and their use/at what station:  
See MSDS attached (3 pgs)

Stage 1 Dencale 62 102-45  
Stage 3 Eco-Sheet 130-04  
Stage 5 Cor-Pine 404 161WW72

C. Provide a Comprehensive Narrative Description of the facility's wastewater activities/processes or other activities conducted and the Final Products (attach a separate sheet if necessary): The components go through a five stage cleaning process prior to powder coat painting. Stage 1 is an acid wash with Dencale 62. Stage 2 is a rinse. Stage 3 is a wash with Eco-Sheet. Stage 4 is a rinse, and Stage 5 is a rinse with Cor-Pine Therosol. The rinse water from stages 2 & 3 overflows into the waste water discharge. Stages 1, 3 & 5 are captured. The captured discharge from stages 1, 3 & 5 is tested, the PH level is adjusted, and then released by metered release at approximately one gallon per minute.

A drawing illustrating the 5 stage process is also attached.

See Section E. below. A, B & C above can be submitted on separate sheets of paper. These do not have to be to-scale and can be hand drawn, preferably with a separate (numbered) legend for separate process/pre-treatment tanks, etc. This numbered legend page can then describe what chemicals and process is being performed without further complicating the schematic.

D. Summarize each Point Source Category Core Process generating wastewater (Electroplating, Electroless Plating, Anodizing, Coating [chromating, phosphating, and coloring], Chemical Etching and Milling, and Printed Circuit Board Manufacture) See 40 CFR 433 @ [http://www.access.gpo.gov/nara/cfr/waisidx\\_05/40cfr433\\_05.html](http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr433_05.html) for applicability):

Core Operation(s)	Pretreatment Standard Category - 40 CFR 433.17	SIC Code(s)	NAICS Code(s)
Coating	433.17	3524	333112
List any of the forty (40) "ancillary" operations generating wastewater (see 40 CFR 433.10 @ <a href="http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr433_05.html">http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr433_05.html</a> ) for these which are also regulated under 40 CFR 433):			
N/A			

E. Provide on separate sheets (if necessary):

- (i) A comprehensive schematic of manufactured parts flow through each regulated process that generates Federally regulated wastewater. These are preferably to be not-to-scale and on 8.5"X11" sheets of paper and can be hand drawn if CAD is not available.
- (ii) A comprehensive schematic drawing showing all wastewater directional flows (regulated and unregulated), location of pretreatment system, sampling locations and flows for each individual wastestream. Show points of discharge to the POTW from regulated processes and sampling point. These do not have to to-scale and can be hand drawn if CAD is not available. Several 8.5" X 11" sheets are preferable to one large facility layout.
- (iii) Denote any Pollution Prevention (P2) practices such as flowlines showing in-situ filtration, counter-current flows, air knives, wet scrubber return water to baths, acid/caustic baths regeneration, etc.
- (iv) Denote chemical storage areas (bulk storage, at work stations, outdoor, etc.)
- (v) Denote any floor drains and containment areas (curbs, secondary containment, below grade grated troughs pumped/gravity-flowed to pretreatment, etc).
- (vi) In lieu of Total Toxic Organic (TTO) monitoring, a Toxic Organic Management Plan (TOMP) may be submitted. Once approved by ADEQ, the following certification statement may be made: "Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation 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 discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to ADEQ."

(5) Measurement of Pollutants in User's Discharge to POTW [§ 403.12(b)(5)]:

A. (i) Cite Evidence why the process wastewater is subject to 40 CFR 433:

Core Process: Coating (Phosphating)  
 Core Process: \_\_\_\_\_  
 Core Process: \_\_\_\_\_

(ii) Provide on a separate sheet a comprehensive schematic of all wastewater pretreatment equipment (holding tanks, mixing tanks, chemical injection points, clarifier, sludge holding tank, sludge press/supernatant, flow lines, etc) and wastewater flows direction. Show treatment system location in relation to process flows and sampling points on schematic drawing required in Section 3.E.(ii) above.

B. Analysis of Regulated Flows: The industrial user must perform sampling and analysis of the effluent from all regulated processes which discharge into the POTW (after pretreatment). Provide the analytical data for the regulated processes in the appropriate space below. If facility's Metal Finishing regulated flow is the only flow that is sampled, the below limits apply.

CONCENTRATION (mg/L)									
40 CFR 433.17 Limits	Pollutant								
	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO**
Maximum daily	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Average* not to exceed	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	---

\* Regardless of samples taken/analyzed, these limits must be met at a minimum.  
 \*\* See [http://edocket.access.gpo.gov/cfr\\_2005/julqtr/pdf/40cfr433.11.pdf](http://edocket.access.gpo.gov/cfr_2005/julqtr/pdf/40cfr433.11.pdf) for list of Toxic Organics.

C. Analysis of Total Plant Flow (Mark each blank "N/A" if not appropriate/applicable)

In accordance with 40 CFR 403.6(e) an industrial user may sample and analyze the total plant flow and calculate an alternate concentration limit using the combined wastestream formula if regulated process flows are mixed with other flows prior to treatment and/or sampling. Record the analytical results for all regulated pollutants below. Record the calculated concentration limits as well as the actual measured concentrations.

CONCENTRATION (mg/L)									
	Pollutant								
	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTO
MAC <sup>1</sup>	--	--	--	--	--	--	--	--	--
AAC <sup>2</sup>	--	--	--	--	--	--	--	--	--
AMMC <sup>3</sup>	<0.004	<0.007	0.010	<0.04	0.024	<0.007	0.028	N/A	0.062*
AMAC <sup>4</sup>									

1 MAC --- Maximum Alternate Concentration as determined by ADEQ. *(If facility's Metal Finishing sampled flow is diluted with sanitary wastewater, boiler blowdown or non-contact cooling water, these numbers will have to be calculated per the Combined Wastestream Formula (CWF) in 40 CFR 403.6)*  
 2 AAC --- Average Alternate Concentration as determined by ADEQ.  
 3 AMMC --- Actual Measured Maximum Concentration from Lab results. *(Facility's results must include the (ADEQ certified) lab's results & QA sheet along with a complete chain of custody)*  
 4 AMAC --- Actual Measured Average Concentration from Lab results.

\* Analytical results and supporting information for sampling performed on May 1, 2012 are attached with this report.

D. User Sample Location\*: Samples for stages 2-4 are taken at the sample port located at the slump.  
Samples for stages 1, 3, & 5 are taken from the sample port located at the holding tank.  
\*This location should be identified on the wastewater flow schematic required in Section 3.E.(ii) above.)

Sample Type (Composite samples are required except where not feasible or where grab samples are specifically required)  
GRAB

Number of Samples Taken: 1 Frequency (Daily, Weekly, etc) Once

Analytical Methods Used (Must be in accordance with 40CFR136--for example: Meth. 200.7, 624, 625, etc.) EPA 200.7, EPA 624, EPA 625

(6) Certifications [§403.12(b)(5)(viii) & 403.12(b)(6)]:

<b>40 CFR 403.12(b)(6) Compliance Certification</b>		
A. Are applicable categorical pretreatment standards being met on a consistent basis? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
B. If no, do you require:		
(i) Additional operation and maintenance (O&M) to achieve compliance?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
(ii) New or additional pretreatment facilities to achieve compliance?	YES <input type="checkbox"/>	NO <input type="checkbox"/>
<b>40 CFR 403.12(b)(5)(viii) Representative Certification</b>		
I certify, to the best of my knowledge, that the sampling and analysis as shown in Section 5 above is representative of the User's normal work cycles and the expected Discharges to the POTW.		
Print Name: <u>Randel Davis</u>	Signature: <u>Randel Davis</u>	Date: <u>6-26-12</u>
In accordance with 40CFR403.12(b)(5)(viii) & (6) a qualified professional must complete and sign these certifications in the space below.		
Name & Title	<u>Randel Davis</u> Qualified Professional (Please Type or Print)	
Signature	<u>Randel Davis</u>	
	Date <u>6-26-12</u>	

(7) A. If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, provide an explanation in an attachment. New sources must not commence discharge until compliance is possible.

B. Signatory Requirement [40 CFR 403.12(l)]

**40 CFR 403.12(l)(3) Authorization to Sign Environmental Reports**

I hereby authorize persons filling the position title of Randel Davis  
responsible for the overall operation of the Powder Coat Point System, Arkansas, to sign all regular reports required by National Pretreatment Standards--pursuant to ADEQ rules and/or Clean Water Act (CWA) regulations. This written authorization is provided in accordance with 40 CFR 403.12(l) and comparable state regulations.

Scott J. Lancaster, General Counsel  
*Corporate official name & title here*

  
*Signature*

6-26-12  
*Date*



**40 CFR 403.6(a)(2)(ii) Certification**

I certify under penalty of law that I have personally examined and am familiar with the information in this Baseline Monitoring Report and all attachments, and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Randel Davis

Name of Authorized Representative (Please Type or Print)

Process Supervisor

Official Title (Please Type or Print)

Randel Davis

Signature

6-26-12

Date

**TTO Certification Statement**

(As mentioned in Section 3.E.(vi) above, the facility may submit a Toxic Organic Management Plan (TOMP) to ADEQ and receive TOMP approval before the waiver of TTO monitoring can be granted and the below certification statement can be made. EPA Guidance material can be found at <http://www.epa.gov/npdes/pubs/owm0021.pdf> for an acceptable TOMP)

"Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation 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 discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to ADEQ."

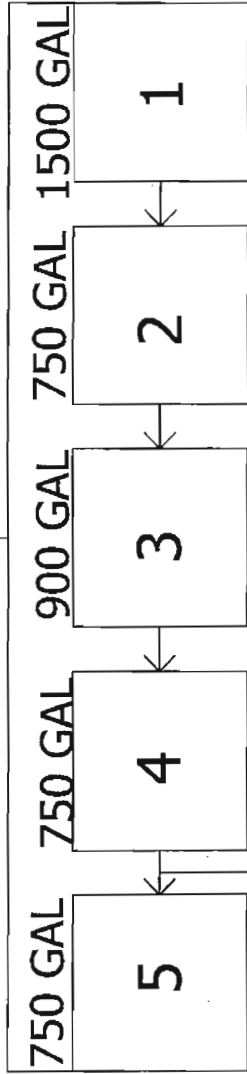
Name of Authorized Representative (Please Type or Print)

Official Title (Please Type or Print)

Signature

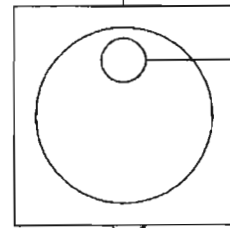
Date

# WASH TANKS



Sump Pump/Sample Pit

Wall



Holding Tank

Sample Pit

City Sewer

Fig. 2 # 3(c)

		BAD BOY INC 102 INDUSTRIAL DRIVE BATESVILLE, ARKANSAS 72501	
DRAWN BY PEOSTER	DRAWN DATE 6/21/2012	CHECKED BY	CHECKED DATE
REVISION	PART NUMBER	SCALE	
DESCRIPTION POWDER COAT LAY OUT		SHEET NUMBER 1 OF 1	
FILE NAME C:\Wash\LAUNCH\Wash\Part\Drawings\0613101.dwg			



**COPY**

Arkansas Testing Laboratories  
ATTN: Ms. Lorrie Barbee  
3301 Langley Drive  
Searcy, AR 72143

This report contains the analytical results and supporting information for the sample submitted on May 1, 2012. 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 Laboratory Director or a qualified designee.

Steve Bradford  
Deputy Laboratory Director

This document has been distributed to the following:

PDF cc: Arkansas Testing Laboratories  
ATTN: Ms. Lorrie Barbee  
arkatl@sbcglobal.net

*pg 5 # 5c*



Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**SAMPLE INFORMATION**

**Project Description:**

One (1) water sample(s) received on May 1, 2012  
REF #2177  
P.O. No. 2177

**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:**

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
157371-1	Sample #1 4-26-12 155pm	26-Apr-2012 1355	

**Qualifiers:**

- D Result is from a secondary dilution factor
- R n-Nitrosodiphenylamine cannot be separated from diphenylamine

**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", 20th edition, 1998.  
 "American Society for Testing and Materials" (ASTM).  
 "Association of Analytical Chemists" (AOAC).



Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 157371-1

Sample Identification: Sample #1 4-26-12 155pm

Analyte	Result	RL	Units	Qualifier
<b>Arsenic</b> EPA 200.7	< 0.05	0.05	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Cadmium</b> EPA 200.7	< 0.004	0.004	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Chromium</b> EPA 200.7	< 0.007	0.007	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Copper</b> EPA 200.7	0.010	0.006	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Lead</b> EPA 200.7	< 0.04	0.04	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Nickel</b> EPA 200.7	0.024	0.01	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Selenium</b> EPA 200.7	< 0.07	0.07	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Silver</b> EPA 200.7	< 0.007	0.007	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Zinc</b> EPA 200.7	0.028	0.002	mg/l	
Prep: 01-May-2012 1536 by 100	Analyzed: 04-May-2012 0527 by 297		Batch: S32342	
<b>Mercury</b> EPA 245.2	< 0.0002	0.0002	mg/l	
Prep: 02-May-2012 1046 by 271	Analyzed: 02-May-2012 1845 by 271		Batch: S32345	
<b>Base/Neutral and Acid Compounds By EPA 625</b>				
<b>Acenaphthene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Acenaphthylene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Anthracene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1316 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Benzidine</b> EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Benzo(a)anthracene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1316 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Benzo(a)pyrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Benzo(g,h,i)perylene</b> EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Benzo(k)fluoranthene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>3,4-Benzofluoranthene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Bis(2-chloroethoxy)methane</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	



Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 157371-1 (Continued)

Sample Identification: Sample #1 4-26-12 155pm

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625 (Continued)</b>				
<b>Bis(2-chloroethyl)ether</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Bis(2-chloroisopropyl)ether</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Bis(2-ethylhexyl)phthalate</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>4-Bromophenyl phenyl ether</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Butylbenzyl phthalate</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2-Chloronaphthalene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2-Chlorophenol</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>4-Chlorophenyl phenyl ether</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Chrysene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Di-n-butyl phthalate</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Di-n-octyl phthalate</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Dibenz(a,h)anthracene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>3,3'-Dichlorobenzidine</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2,4-Dichlorophenol</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Diethyl phthalate</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Dimethyl phthalate</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2,4-Dimethylphenol</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>4,6-Dinitro-o-cresol</b> EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2,4-Dinitrophenol</b> EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2,4-Dinitrotoluene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	



Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 157371-1 (Continued)

Sample Identification: Sample #1 4-26-12 155pm

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625 (Continued)</b>				
<b>2,6-Dinitrotoluene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>1,2-Diphenylhydrazine</b> EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Fluorene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Hexachlorobenzene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Hexachlorobutadiene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Hexachlorocyclopentadiene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Hexachloroethane</b> EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Indeno(1,2,3-cd)pyrene</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Isophorone</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>n-Nitrosodi-n-propylamine</b> EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>n-Nitrosodimethylamine</b> EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>n-Nitrosodiphenylamine</b> EPA 625	< 20	20	ug/l	R
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Naphthalene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Nitrobenzene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2-Nitrophenol</b> EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>4-Nitrophenol</b> EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>p-Chloro-m-cresol</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Pentachlorophenol</b> EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Phenanthrene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Phenol</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	



Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 157371-1 (Continued)

Sample Identification: Sample #1 4-26-12 155pm

Analyte	Result	RL	Units	Qualifier
<b>Base/Neutral and Acid Compounds By EPA 625 (Continued)</b>				
<b>Pyrene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>1,2,4-Trichlorobenzene</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>2,4,6-Trichlorophenol</b> EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Surrogate: 2-Fluorobiphenyl (50.0-110%)</b> EPA 625	80.5		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Surrogate: 2-Fluorophenol (20.0-110%)</b> EPA 625	54.0		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Surrogate: Nitrobenzene-D5 (40.0-110%)</b> EPA 625	75.2		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Surrogate: Terphenyl-D14 (50.0-135%)</b> EPA 625	91.8		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Surrogate: 2,4,6-Tribromophenol (40.0-125%)</b> EPA 625	53.5		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
<b>Volatile Organic Compounds By EPA 624</b>				
<b>Acrolein</b> EPA 624	< 50	50	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Acrylonitrile</b> EPA 624	< 20	20	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Benzene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Bromoform</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Carbon tetrachloride</b> EPA 624	< 2.0	2.0	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Chlorobenzene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Chlorodibromomethane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Chloroethane</b> EPA 624	< 50	50	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>2-Chloroethyl vinyl ether</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Chloroform</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,2-Dichlorobenzene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	





Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 157371-1 (Continued)

Sample Identification: Sample #1 4-26-12 155pm

Analyte	Result	RL	Units	Qualifier
<b>Volatile Organic Compounds By EPA 624 (Continued)</b>				
<b>1,3-Dichlorobenzene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,4-Dichlorobenzene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Dichlorobromomethane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,1-Dichloroethane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,2-Dichloroethane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,1-Dichloroethylene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>trans-1,2-Dichloroethylene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,2-Dichloropropane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,3-Dichloropropylene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Ethylbenzene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Methyl bromide(Bromomethane)</b> EPA 624	< 50	50	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Methyl chloride(Chloromethane)</b> EPA 624	< 50	50	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Methylene chloride</b> EPA 624	< 20	20	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,1,1,2-Tetrachloroethane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Tetrachloroethylene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Toluene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,1,1-Trichloroethane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>1,1,2-Trichloroethane</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Trichloroethylene</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
<b>Vinyl chloride</b> EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	



Arkansas Testing Laboratories  
3301 Langley Drive  
Searcy, AR 72143

**ANALYTICAL RESULTS**

AIC No. 157371-1 (Continued)

Sample identification: Sample #1 4-26-12 155pm

Analyte	Result	RL	Units	Qualifier
<b>Volatile Organic Compounds By EPA 624 (Continued)</b>				
Surrogate: 4-Bromofluorobenzene (75.0-120%)	102		%	
EPA 624	Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305	Batch: V8005	
Surrogate: Dibromofluoromethane (85.0-115%)	105		%	
EPA 624	Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305	Batch: V8005	
Surrogate: Toluene-D8 (85.0-120%)	100		%	
EPA 624	Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305	Batch: V8005	





Pg. 2 #3

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Sheet Steel  
**CAS Number:** Not applicable  
**Synonyms:** Hot Band, Cold Rolled, P&O, Galvanized  
**Use/Description:** Steel for thin gauge products

**Company Identification:**  
 Nucor Steel – Arkansas  
 7301 E. County Road 142  
 Blytheville, AR 72315  
 Nucor Steel – Berkeley  
 1455 Hagan Avenue  
 Huger, SC 29450  
 Nucor Steel Decatur, LLC  
 4301 Iverson Boulevard  
 Trinity, AL 35673  
 Nucor Steel – Indiana/  
 Nucor Castrip® Crawfordsville IN  
 4537 South Nucor Road  
 Crawfordsville, IN 47933

**24 Hour Contact – CHEMTREC 1-800-424-9300**  
 Safety Officer [8:00 am – 5:00 pm]: 1-(870) 762-2100  
  
 Safety Officer [8:00 am – 5:00 pm]: 1-(843) 336-6000  
  
 Safety Officer [8:00 am – 5:00 pm]: 1-(256) 301-3500  
  
 Safety Officer [8:00 am – 5:00 pm]: 1-(765) 364-1323

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	% Weight	Exposure Limits			
			ACGIH TLV (mg/m <sup>3</sup> )		OSHA PEL (mg/m <sup>3</sup> )	
<b>Base Metal:</b>						
Iron (Fe)	7439-89-6	Balance	5	Oxide Dust/Fume	10	Oxide Dust/Fume
<b>Alloying Elements</b>						
Aluminum (Al)	7429-90-5	0-0.43	10 5	Dust Fume	15 5	Dust Respirable fraction
Antimony (Sb)	7440-36-0	<0.9	0.5	As Antimony	0.5	As Antimony
Arsenic (As)	7440-38-2	<0.09	0.01	As Arsenic (A1 Carcinogen)	0.01	As Arsenic
Beryllium (Be)	7440-41-7	<0.09	0.002 0.01	As Beryllium (A1 Carcinogen) As Beryllium (STEL)	0.002 0.005	As Beryllium As Beryllium (Ceiling)
Boron (B)	7440-42-8	<0.9	10	Oxide Dust	15	Oxide Dust
Cadmium (Cd)	7440-43-9	<0.01	0.01 0.002	As Cadmium (A2 Carcinogen) Respirable fraction	0.005 0.0025	As Cadmium As Cadmium (Action Level)
Calcium (Ca)	1305-78-8	<0.9	2	Oxide Dust	5	Oxide Dust
Carbon (C)	7440-44-0	<1.0		Not Established		Not Established
Chromium (Cr)	7440-47-3	0.01-1.5	0.5	Metal	1	Metal
Cobalt (Co)	7440-48-4	<0.09	0.02	As Cobalt (A3 Carcinogen)	0.1	Metal/Dust/Fume
Copper (Cu)	7440-50-8	<0.9	1 0.2	Dust Fume	1 0.1	Dust Fume
Lead (Pb)	7439-92-1	0.0-0.04	0.05	Dust / Fume (A3 Carcinogen)	0.05	Dust / Fume
Magnesium (Mg)	7439-95-4	<0.9		Not Established		Not Established
Manganese (Mn)	7439-96-5	<6.0	0.2	Elemental Mn and Inorg Compounds	5	Fume (Ceiling)

## Sheet Steel

Components	CAS No.	% Weight	Exposure Limits			
			ACGIH TLV (mg/m <sup>3</sup> )		OSHA PEL (mg/m <sup>3</sup> )	
Molybdenum (Mo)	7439-98-7	<1.1	10	Insoluble Compounds	15	Insoluble Compounds
Niobium (Nb)	7440-03-1	<0.9		Not Established		
Nickel (Ni)	7440-02-0	0.01-1.5	1.5	Metal	1	Metal and Insoluble Compounds
Nitrogen (N)	7727-37-9	<0.9		Simple Asphyxiant		Simple Asphyxiant
Phosphorus (P)	7723-14-0	<0.9	0.1	Phosphorus	0.1	Phosphorus
Selenium (Se)	7782-49-2	<0.9	0.2	Selenium	0.2	Selenium
Silicon (Si)	7440-21-3	0.0-3.0	10	Dust	15	Dust
Sulfur (S)	7446-09-05	<0.9	5.2 13	Sulfur Dioxide Sulfur Dioxide (STEL)	13	Sulfur Dioxide
Tin (Sn)	7440-31-5	<0.9	2	Metal, Oxide and Inorganic Compounds	2	Inorganic Compounds
Titanium (Ti)	7440-32-6	<0.9		Not Established		Not Established
Tungsten (W)	7440-33-7	<0.9	5 10	Insoluble Compounds as W Insoluble Compounds as W (STEL)		Not Established
Vanadium (V)	7440-62-2	<0.9	0.05	Oxide Dust/Fume	0.5 0.1	Oxide Dust (Ceiling) Oxide Fume (Ceiling)
Zinc (Zn)	7440-66-6	0.0-0.1	10 5 10	Oxide Dust Oxide Fume Oxide Fume (STEL)	5 10	Oxide Fume Oxide Dust
<b>Coatings and Finishing Treatments:</b>						
Hydrochloric Acid (HCl)	7647-01-0	<3				
Petroleum, Natural or Synthetic oils	Mixture	<0.1	5	Mist	5	Mist
Anhydrous Potassium Hydroxide	1310-58-3	<0.01	2	Ceiling	2	Ceiling
Glycine, n-1,2-ethanediybis	60-00-4	<0.01				
Polyalkylene glycol	Mixture	<0.01				
Sodium nitrite	7632-00-0	<0.01				
Zinc (galvanized)	7440-66-6	0.4 - 10	10 5 10	Oxide Dust Oxide Fume Oxide Fume (STEL)	5 10	Oxide Fume Oxide Dust

NOTE: No permissible exposure limits (PEL) or threshold limit values (TLV) exist for steel over all. The above listing is a summary of elements used in normal Nucor Steel Products. Various grades of steel will contain different combinations of these elements and/or trace materials. Exact specifications for specific products may be available upon request.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

WARNING! WELDING, SAWING, BRAZING, GRINDING, ABRASIVE BLASTING, MACHINING AND OTHER PROCESSES MAY CAUSE DUSTS, POTENTIALLY COMBUSTIBLE DUST, AND/OR FUMES TO BE RELEASED. MAY BE HARMFUL IF INHALED. MAY IRRITATE THE EYES, SKIN, AND RESPIRATORY TRACT. MOLTEN MATERIAL MAY CAUSE THERMAL BURNS

#### Potential Health Effects

Note: Steel products, as sold by Nucor, do not present an inhalation, ingestion or skin hazard. However, individual customer processes, (such as welding, sawing, brazing, grinding, abrasive blasting, and machining) may result in the formation of fumes, dust (combustible or otherwise), and/or particulate formation that may present a variety of health hazards. Molten steel also is hazardous.

#### Eye Contact

Dusts or particulates may cause mechanical irritation including pain, tearing, and redness. Scratching of the cornea can occur if eye is rubbed. Fumes may be irritating. Contact with the heated material may cause thermal burns.

102-45  
DESCALE 62

**CORAL CHEMICAL COMPANY**  
**Corporate Headquarters**  
1915 Industrial Ave.  
Zion, IL 60099  
(800) 228-4646 8 A.M. TO 5 P.M., CST

**COPY**

Revision Date: March 16, 2007

**MATERIAL SAFETY DATA SHEET**

Pg. 2 # 3 (B)

HMIS RATING			0 = Insignificant
	HEALTH	3	1 = Slight
	FLAMMABILITY	0	2 = Moderate
	REACTIVITY	0	3 = High
	PERSONAL PROTECTION	H	4 = Extreme

INFOTRAC 24 HOUR EMERGENCY TELEPHONE (800) 535-5053 or (352) 323-3500

**SECTION I: PRODUCT INFORMATION**

TRADE NAME: DESCALE 62  
CHEMICAL NAME:  
SYNONYMS:  
CHEMICAL FAMILY: Acidic cleaner

**SECTION II: HAZARDOUS INGREDIENTS**

<u>HAZARD COMPONENTS:</u>	<u>CAS #</u>	<u>HAZARD DATA</u>
Phosphoric Acid < 8%	7664-38-2	3 mg/M <sup>3</sup> ACGIH STEL 1 mg/M <sup>3</sup> ACGIH TWA 1 mg/M <sup>3</sup> OSHA PEL
Hydroxyacetic Acid	79-14-1	Not established
Sulfuric Acid	7664-39-9	1 mg/ M <sup>3</sup> ACGIH TWA 1 mg/M <sup>3</sup> OSHA PEL

Chemical reportable under Section 313, SARA Title III

Sulfuric Acid 10-15%

**SECTION III: FIRST AID PRECAUTIONARY INFORMATION**

**ALWAYS HAVE PLENTY OF WATER AVAILABLE FOR FIRST AID.  
SPEED OF REMOVAL IS ESSENTIAL.**

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes.  
Wash with soap and water.

130-04  
ECO-TREAT

**CORAL CHEMICAL COMPANY**

Corporate Headquarters  
135 LeBaron Street  
Waukegan, IL 60085  
(800) 228-4646 or (847) 336-8100  
8 A.M. TO 5 P.M., CST

Revision Date: February 11, 2005

**MATERIAL SAFETY DATA SHEET**

HMIS RATING			0 = Insignificant
	HEALTH	2	1 = Slight
	FLAMMABILITY	0	2 = Moderate
	REACTIVITY	0	3 = High
	PERSONAL PROTECTION	D	4 = Extreme

INFOTRAC 24 HOUR EMERGENCY TELEPHONE (800) 535-5053 or (352) 323-3500

**SECTION I: PRODUCT INFORMATION**

TRADE NAME: ECO-TREAT  
CHEMICAL NAME:  
SYNONYMS:  
CHEMICAL FAMILY: Conversion Coating for Steel, Aluminum, and Galvanized Substrates

**SECTION II: HAZARDOUS INGREDIENTS**

<u>HAZARD COMPONENTS:</u>	<u>CAS #</u>	<u>HAZARD DATA</u>
Nitric acid* <2%	7697-37-2	2 ppm OSHA PEL 2 ppm ACGIH TWA
Hydrofluoric acid* <1%	7664-39-3	3 ppm OSHA TWA 3 ppm ACGIH TWA
Phosphoric acid <1%	7664-38-2	1 mg/M <sup>3</sup> OSHA PEL 1 mg/M <sup>3</sup> ACGIH TWA 3 mg/M <sup>3</sup> ACGIH STEL

\*Chemical reportable under Sect. 313, SARA Title III

161WW72  
COR RINSE 404

**CORAL CHEMICAL COMPANY**

Corporate Headquarters  
135 LeBaron Street  
Waukegan, IL 60085  
(800) 228-4646 or (847) 336-8100  
8 A.M. To 5 P.M., CST

Revision Date: May 19, 2006

**MATERIAL SAFETY DATA SHEET**

<b>HMIS RATING</b>			0 = Insignificant
	<b>HEALTH</b>	1	1 = Slight
	<b>FLAMMABILITY</b>	0	2 = Moderate
	<b>REACTIVITY</b>	0	3 = High
	<b>PERSONAL PROTECTION</b>	D	4 = Extreme

INFOTRAC 24 HOUR EMERGENCY TELEPHONE (800) 535-5053 or (352) 323-3500

**SECTION I: PRODUCT INFORMATION**

TRADE NAME: COR RINSE 404  
CHEMICAL NAME:  
SYNONYMS:  
CHEMICAL FAMILY: Corrosion preventive

**SECTION II: HAZARDOUS INGREDIENTS**

<u>HAZARD COMPONENTS:</u>	<u>CAS #</u>	<u>HAZARD DATA</u>
None	N/A	N/A

**SECTION III: FIRST AID PRECAUTIONARY INFORMATION**

**ALWAYS HAVE PLENTY OF WATER AVAILABLE FOR FIRST AID**

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes.

**EYES:** Immediately flush with plenty of water for at least 15 minutes; ensure water flushing of entire surface of eye and lid. **Obtain medical attention at once.**

**INHALATION:** Remove to fresh air



**SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433**

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

Attn: Water Div/NPDES Pretreatment

**(1) IDENTIFYING INFORMATION**

<p><b>A. LEGAL NAME &amp; MAILING ADDRESS</b></p> <p>Bad Boy, Inc. 102 Industrial Dr. Batesville, AR 72501</p>	<p><b>B. FACILITY &amp; LOCATION ADDRESS</b></p> <p>Same as mailing address</p>
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**C. FACILITY CONTACT:** Randel Davis      **TELEPHONE NUMBER:** (870)612-0350      **e-mail:** randel.davis@badboywaters.com

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

<p><b>A. MONTHS WHICH REPORTS ARE DUE</b></p> <p><u>June</u> &amp; <u>December</u></p>	<p><b>B. PERIOD COVERED BY THIS REPORT</b></p> <p><b>FROM:</b> <u>January</u>      <b>TO:</b> <u>June</u></p>
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**(3) DESCRIPTION OF OPERATION**

<p><b>A. REGULATED PROCESSES</b></p> <p><u>CORE PROCESS(ES)</u></p> <p>CHECK EACH APPLICABLE BLOCK</p> <p><input type="checkbox"/> Electroplating</p> <p><input type="checkbox"/> Electroless Plating</p> <p><input type="checkbox"/> Anodizing</p> <p><input checked="" type="checkbox"/> Coating</p> <p><input type="checkbox"/> Chemical Etching and Milling</p> <p><input type="checkbox"/> Printed Circuit Board Manufacture</p> <p><u>ANCILLARY PROCESS(ES)*</u></p> <p>LIST BELOW EACH PROCESS USED IN THE FACILITY</p> <p><u>N/A</u></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<p><b>B. CHANGES:</b>      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.</p> <p align="center" style="font-size: 2em;">N/A</p>
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<p><b>C. Number of Regular Employees at this Facility</b></p> <p><u>375</u></p>	<p><b>D. [Reserved]</b></p>
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\*SEE 40CFR433.10(h) FOR 40 DIFFERENT OPERATIONS

**(4) FLOW MEASUREMENT**

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

Process	Average	Maximum	Type of Discharge
Regulated (Core & Ancillary)	7,772 <sup>AD</sup>	13,200 <sup>AD</sup>	Gravity
Regulated (Cyanide)	N/A	N/A	N/A
'403.6(e) Unregulated*	N/A	N/A	N/A
'403.6(e) Dilute	N/A	N/A	N/A
Cooling Water	N/A	N/A	N/A
Sanitary	600 gpd.	1,125 gpd	Gravity
<b>Total Flow to POTW</b>			*****

see Section 4 (page 6)  
"Flow Measurement"  
for details  
AD

\*"Unregulated" has a precise legal meaning; see 40CFR403.6(e).

**(5) MEASUREMENT OF POLLUTANTS**

**A. TYPE OF TREATMENT SYSTEM**

CHECK EACH APPLICABLE BLOCK

- Neutralization ✓
- Chemical Precipitation and Sedimentation
- Chromium Reduction
- Cyanide Destruction
- Other \_\_\_\_\_
- None

**B. COMMENTS ON TREATMENT SYSTEM**

Batch Treatment  
Stages 1, 3, 5

**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	0.11	2.77	3.38	0.69	3.98	0.43	2.61	1.20	2.13
Monthly Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	--
Max Measured	<0.004	<0.007	0.010	<0.04	0.024	<0.007	0.028	N/A	0.062
Ave Measured									

Sample Location Samples for stages 2+4 are taken at the sample port located at the dump, and stages 1, 3+5 are taken from the sample port located at the holding tank.  
Sample Type (Grab or Composite) GRAB

Number of Samples and Frequency Collected 1

40CFR136 Preservation and Analytical Methods Use:  Yes  No

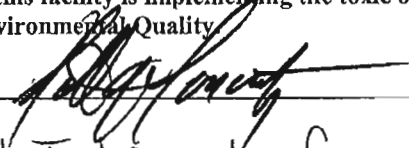
**(C) CERTIFICATION**

A. [Reserved]

[Reserved]

B. CHECK ONE:  433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED  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.

  
\_\_\_\_\_  
(Typed Name)  
Scott J. Lancaster, General Counsel  
(Corporate Officer or authorized representative)

Date of Signature 6-26-12

**CORPORATE ACKNOWLEDGEMENT (Optional)**

STATE OF ARKANSAS            )  
COUNTY OF \_\_\_\_\_)

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

Given under my hand and seal of office on this \_\_\_\_\_ day of \_\_\_\_\_, 200\_\_.

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County, Arkansas

My commission expires \_\_\_\_\_.

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

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

The User may list any new or ongoing Pollution Prevention practices:

**(8) GENERAL COMMENTS**

**(9) SIGNATORY REQUIREMENTS [40CFR403.12(d)]**

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

Randel Davis, Paint Shop Supervisor  
NAME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

Randel Davis  
SIGNATURE

OFFICIAL TITLE

6-26-12  
DATE SIGNED