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102 Industrial Drive Batesville, Arkansas 72501

September 28, 2012

Allen Gilliam
Arkansas Department of Environmental Quality
State Pretreatment Coordinator
Email: 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 Finshers under 40 CFR 433) submitted on behalf of Bad Boy, Inc., with regard to our new powder coat paint system which will begin operations sometime in early January of 2013. I had previously submitted a Baseline Monitoring Report as per my letter June 26, 2012 for our existing powder coat paint facility.

As you will note in reviewing the BMR, and as we discussed in our recent telephone conversation, we are now having stages 1, 3, and 5 picked up by Waste Services, Inc., of Little Rock, rather than discharging those stages into the Batesville Waste Water System. This change is reflected in the Baseline Monitoring Report which is enclosed with regard to the new system, and will be our method of disposal for those three stages once that system goes in operation.

With regard to our current powder coat paint system, please advise what additional information I need to provide you to supplement our previous Baseline Monitoring Report with regard to the fact that we have modified the method of disposal with regard to stages 1, 3, and 5.

As always, I appreciate very much your assistance and consideration, and look forward to hearing back from you at your convenience.

Yours Truly,


Scott J. Lancaster
General Counsel

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: Randel Davis 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@badboymowers.com

G. Number of Employees: 375 Number of Shifts: 3

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: Est. January 1, 2013

Date facility installed/commenced construction of the Metal Finishing operation(s): Building construction began June 1, 2012

(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 pages)

Stage 1 Descale 62 102-45

Stage 3 Eco-treat 130-04

Stage 5 Cor-rinse 404 161 WW72

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 B scale 62. Stage 2 is a rinse. Stage 3 is a wash with Eco-treat. Stage 4 is a rinse, and stage 5 is a rinse with Cor-rinse Thoracor. The rinse water from stages 2 and 3 overflows into the waste water discharge. Stages 1, 3, and 5 are captured and are stored for pick up and disposal by Waste Services, Inc. of Little Rock, AR.

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/pretreatment 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 for applicability):

Core Operation(s)	Pretreatment Standard Category - 40 CFR 433.17	SIC Code(s)	NAICS Code(s)
Coating	433.17	352A	333112
List any of the forty (40) ancillary operations generating wastewater (see 40 CFR 433.10 @ http://www.access.gpo.gov/nara/cfr/waisidx_05/40cfr433_05.html 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."

(4) Flow Measurement [§403.12(b)(4)]:

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

Average _____ Maximum _____

{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 ² (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	N/A*		Captured and picked up.	
2	5274gal	8700gal	Intermittent	Discharged to city.
3	N/A*		Captured and picked up.	
4	2490gal.	4500gal.	Intermittent	Discharged to city.
5	N/A*		Captured and picked up.	
Unregulated Streams				
	N/A			
	N/A			
Dilute Streams ³	N/A			
Non-Contact Cooling Water	N/A			
Boiler Blowdown	N/A			
Sanitary Wastewater	N/A			
De-I or R/O backwash	N/A			

¹Referring to 40 CFR403.6(e)(1) average flows must be for a 30-day period unless batch discharges are less frequent than monthly.

²Do 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.)

³ 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.

* Batch discharge occurs twice per year as noted above.

(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: _____

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 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 ¹	--	--	--	--	--	--	--	--	--
AAC ²	--	--	--	--	--	--	--	--	--
AMMC ³	<0.004	<0.007	0.010	<0.04	0.024	<0.007	0.028	<0.01	0.062*
AMAC ⁴									

1 MAC --- Maximum Alternate Concentration as determined by ADEQ. *{If facility's Metal Finishing sampled flow is diluted with sanitary wastewater,*

2 AAC --- Average Alternate Concentration as determined by ADEQ. *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)}*

3 AMMC --- Actual Measured Maximum Concentration from Lab results. *{Facility's results must include the (ADEQ certified) lab's results & QA sheet*

4 AMAC --- Actual Measured Average Concentration from Lab results. *along with a complete chain of custody}*

* 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 and 4 are taken at the sample port located at the sump. Samples located just outside the building near the 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)]:

40 CFR 403.12(b)(6) Compliance Certification

A. Are applicable categorical pretreatment standards being met on a consistent basis? YES NO

B. If no, do you require:

(i) Additional operation and maintenance (O&M) to achieve compliance? YES NO

(ii) New or additional pretreatment facilities to achieve compliance? YES NO

40 CFR 403.12(b)(5)(viii) Representative Certification

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: Randel Davis

Signature: Randel Davis

Date: 9-28-12

In accordance with 40CFR403.12(b)(5)(viii) & (6) a qualified professional must complete and sign these certifications in the space below.

Name & Title

Randel Davis Paint Shop Supervisor
Qualified Professional (Please Type or Print)

Signature

Randel Davis

Date 9-28-12

(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 Paint 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]
Signature

9-28-12
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

9-28-12

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



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:

Laboratory ID	Client Sample ID	Sampled Date/Time	Notes
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
Arsenic 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	
Cadmium 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	
Chromium 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	
Copper 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	
Lead 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	
Nickel 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	
Selenium 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	
Silver 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	
Zinc 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	
Mercury 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	
Base/Neutral and Acid Compounds By EPA 625				
Acenaphthene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Acenaphthylene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Anthracene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Benzidine EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Benzo(a)anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Benzo(a)pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Benzo(g,h,i)perylene EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Benzo(k)fluoranthene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
3,4-Benzofluoranthene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Bis(2-chloroethoxy)methane 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
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
Bis(2-chloroethyl)ether EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Bis(2-chloroisopropyl)ether EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Bis(2-ethylhexyl)phthalate EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
4-Bromophenyl phenyl ether EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Butylbenzyl phthalate EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2-Chloronaphthalene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2-Chlorophenol EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
4-Chlorophenyl phenyl ether EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Chrysene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Di-n-butyl phthalate EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Di-n-octyl phthalate EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Dibenz(a,h)anthracene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
3,3'-Dichlorobenzidine EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2,4-Dichlorophenol EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Diethyl phthalate EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Dimethyl phthalate EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2,4-Dimethylphenol EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
4,6-Dinitro-o-cresol EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2,4-Dinitrophenol EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2,4-Dinitrotoluene 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
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
2,6-Dinitrotoluene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
1,2-Diphenylhydrazine EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Fluorene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Hexachlorobenzene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Hexachlorobutadiene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Hexachlorocyclopentadiene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Hexachloroethane EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
indeno(1,2,3-cd)pyrene EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Isophorone EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
n-Nitrosodi-n-propylamine EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
n-Nitrosodimethylamine EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
n-Nitrosodiphenylamine EPA 625	< 20	20	ug/l	R
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Naphthalene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Nitrobenzene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2-Nitrophenol EPA 625	< 20	20	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
4-Nitrophenol EPA 625	< 50	50	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
p-Chloro-m-cresol EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Pentachlorophenol EPA 625	< 5.0	5.0	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Phenanthrene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Phenol 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
Base/Neutral and Acid Compounds By EPA 625 (Continued)				
Pyrene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
1,2,4-Trichlorobenzene EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
2,4,6-Trichlorophenol EPA 625	< 10	10	ug/l	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Surrogate: 2-Fluorobiphenyl (50.0-110%) EPA 625	80.5		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Surrogate: 2-Fluorophenol (20.0-110%) EPA 625	54.0		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Surrogate: Nitrobenzene-D5 (40.0-110%) EPA 625	75.2		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Surrogate: Terphenyl-D14 (50.0-135%) EPA 625	91.8		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Surrogate: 2,4,6-Tribromophenol (40.0-125%) EPA 625	53.5		%	
Prep: 03-May-2012 1318 by 288	Analyzed: 04-May-2012 2234 by 301		Batch: B7612	
Volatle Organic Compounds By EPA 624				
Acrolein EPA 624	< 50	50	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Acrylonitrile EPA 624	< 20	20	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Benzene EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Bromoform EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Carbon tetrachloride EPA 624	< 2.0	2.0	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Chlorobenzene EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Chlorodibromomethane EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Chloroethane EPA 624	< 50	50	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
2-Chloroethyl vinyl ether EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
Chloroform EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	
1,2-Dichlorobenzene EPA 624	< 10	10	ug/l	
Prep: 02-May-2012 1621 by 301	Analyzed: 03-May-2012 1710 by 305		Batch: V8005	



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Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 157371-1 (Continued)

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

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



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Searcy, AR 72143

ANALYTICAL RESULTS

AIC No. 157371-1 (Continued)
Sample identification: Sample #1 4-26-12 155pm

Analyte	Result	RL	Units	Qualifier
Volatile Organic Compounds By EPA 624 (Continued)				
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: V8805	
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	

Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143

(501) 268-6431 f(501) 268-9314

NPDES Wastewater Monitoring
Water and Wastewater Analysis
Concrete, Asphalt, and Aggregate Testing
Geotechnical Testing
Industrial and Construction Quality Control

BAD BOY MOWERS

Collection Date / Time: June 27, 2012 1:30 PM

Wastewater Analysis

Collection Place: Effluent Outfall

Collected By: BET

Parameter	Date / Time Begin	Date / Time End	Results	Unit	Ldg (lbs/dy)	Analyst	% Spike	Rel %	Sample Type	Ref #
Cyanide, Total	06/28 9:00 AM	NA	< 0.01	mg/l	NA	BET	99.0	2.70	Grab	6


Quality Assurance: All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies at a rate of at least 10%.

Notes: Samples iced at collection. Preserved with H₂SO₄ to pH₂: Oil & Grease, Ammonia, COD

References:

Analysis complies with 40 CFR Part 136:

6. SM 4500-CN-E


Neville Adams, Manager

Arkansas Testing Laboratories

204 E Lincoln
 Searcy, AR 72143
 Off 501-268-8431
 Fax 501-268-9314

*NPDES Wastewater Monitoring
 *Water and Wastewater Analysis
 *Concrete, Asphalt, and Aggregate Testing
 *Geotechnical Testing
 *Industrial and Construction Quality Control

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

CLIENT: <i>Bad Boy Mower Randal</i>		<i>900 E ITD from May</i>										PARAMETERS					
SAMPLE ID	SAMPLE MATRIX	SAMPLED BY: <i>KSA</i>								Calibration				PRESERVATIVES			
EFF	W=H2O	DATE	TIME	FLOW Total Gallons	GRAB	Rainfall inches					pH #		ICE	H2S04	H2S04	<i>NaOH</i>	
INF	S=SLUDG										pH		TSS	O & G	COD	<i>CN-</i>	
CLAR	D=SOIL																
POND	C=WELL																
BACKWASH																	
Stormwater	W	x	x		X	x					x		1-H-P	1-L-G	1-L-P		
<i>eff</i>	<i>W</i>	<i>6-27-12</i>	<i>1:30p</i>		X											<i>1-L-P</i>	
# = number of bottles		Q, L, H = Quart, Liter, Half Gallon				P, G = Plastic, Glass											
Relinquished by:		Date/Time		Relinquished by:						Received by:		Date/Time					
Relinquished by:		Date/Time		Relinquished by:						Received by: <i>B. Templeman</i>		Date/Time: <i>6-27-12 2:45p</i>					

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 ³)		OSHA PEL (mg/m ³)	
Base Metal:						
Iron (Fe)	7439-89-6	Balance	5	Oxide Dust/Fume	10	Oxide Dust/Fume
Alloying Elements						
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 ³)		OSHA PEL (mg/m ³)	
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
<u>Coatings and Finishing Treatments:</u>						
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, nn-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.

Sheet Steel

Skin Contact

Dusts or particulates may cause mechanical irritation due to abrasion. Coated steel may cause skin irritation in sensitive individuals (see Section 16 for additional information.) Some components in this product are capable of causing an allergic reaction, possibly resulting in burning, itching and skin eruptions. Contact with heated material may cause thermal burns.

Inhalation

Dusts may cause irritation of the nose, throat, and lungs. Excessive inhalation of metallic fumes and dusts may result in metal fume fever, an influenza-like illness. It is characterized by a sweet or metallic taste in the mouth, accompanied by dryness and irritation of the throat, cough, shortness of breath, pulmonary edema, general malaise, weakness, fatigue, muscle and joint pains, blurred vision, fever and chills. Typical symptoms last from 12 to 48 hours.

Ingestion

Not expected to be acutely toxic via ingestion based on the physical and chemical properties of the product. Swallowing of excessive amounts of the dust may cause irritation, nausea, and diarrhea.

Potential Fire and Explosion Hazards

Under normal conditions, steel products do not present fire or explosion hazards, and dust generated by handling steel products is oxidized and not combustible. Processing of steel product by some individual customers may produce potentially combustible dust that may represent a fire or explosion hazard.

Chronic or Special Toxic Effects

Repeated exposure to fine dusts may inflame the nasal mucosa and cause changes to the lung. In addition, a red-brown pigmentation of the eye and/or skin may occur.

Welding fumes have been associated with adverse health effects. Contains components that may cause cancer or reproductive effects. The following components are listed by NTP, OSHA, or IARC as carcinogens: Nickel, chromium (hexavalent), cobalt, lead, cadmium, antimony (trioxide), arsenic, beryllium. See Section 11, for additional, specific information on effects noted above.

Target Organs

Overexposure to specific components of this product that are generated in dusts or fumes may cause adverse effects to the following organs or systems: eyes, skin, liver, kidney, central nervous system, cardiovascular system, respiratory system,.

Medical Conditions Aggravated by Exposure

Diseases of the skin such as eczema may be aggravated by exposure. Also, disorders of the respiratory system including asthma, bronchitis, and emphysema. Long-term inhalation exposure to agents that cause pneumoconiosis (e.g. dust) may act synergistically with inhalation of oxide fumes or dusts of this product.

4. FIRST AID MEASURES

Eye Contact- In case of overexposure to dusts or fumes, immediately flush eyes with plenty of water for at least 15 minutes occasionally lifting the eye lids. Get medical attention if irritation persists. Thermal burns should be treated as medical emergencies.

Skin Contact - In case of overexposure to dusts or particulates, wash with soap and plenty of water. Get medical attention if irritation develops or persists. If thermal burn occurs, flush area with cold water and get immediate medical attention.

Inhalation - In case of overexposure to dusts or fumes, remove to fresh air. Get immediate medical attention if symptoms described in this MSDS develop.

Ingestion - Not considered an ingestion hazard. However, if excessive amounts of dust or particulates are swallowed, treat symptomatically and supportively. Get medical attention.

Notes to Physician - Inhalation of metal fume or metal oxides may produce an acute febrile state, with cough, chills, weakness, and general malaise, nausea, vomiting, muscle cramps, and remarkable leukocytosis. Treatment is symptomatic, and condition is self limited in 24-48 hours. Chronic exposure to dusts may result in pneumoconiosis of mixed type.

5. FIRE FIGHTING MEASURES

Flash Point (Method) - Not applicable

Flammable Limits (% volume in air) - Not applicable

Auto ignition Temperature - Not applicable

Extinguishing Media - For molten metal, use dry powder or sand. For steel dust use or dry sand, water, foam, argon or nitrogen.

Sheet Steel

Special Fire Fighting Procedures - Do not use water on molten metal. Do not use Carbon Dioxide (CO₂). Firefighters should not enter confined spaces without wearing NIOSH/MSHA approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

Unusual Fire or Explosion Hazards - Steel products do not present fire or explosion hazards under normal conditions. Any non-oxidized fine metal particles/ dust generated by grinding, sawing, abrasive blasting, or individual customer processes may produce materials that the customer should test for combustibility and other hazards in accordance with applicable regulations. High concentrations of combustible metallic fines in the air may present an explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

Precautions if Material is Spilled or Released - Emergency response is unlikely unless in the form of combustible dust. Avoid inhalation, eye, or skin contact of dusts by using appropriate precautions outlined in this MSDS (see section 8). Fine turnings and small chips should be swept or vacuumed and placed into appropriate disposable containers. Keep fine dust or powder away from sources of ignition. Scrap should be reclaimed for recycling. Prevent materials from entering drains, sewers, or waterways.

Fire and Explosion Hazards

Some customer processes may generate combustible dust that may require specific precautions when cleaning spills or releases of dust.

Environmental Precautions - Some grades of steel may contain reportable quantities of alloying elements. See Section 15 for additional information.

Waste Disposal Methods - Dispose used or unused product in accordance with applicable Federal, State, and Local regulations. Please recycle.

7. HANDLING AND STORAGE

Storage Temperatures - Stable under normal temperatures and pressures.

Precautions to be Taken in Handling and Storing - Store away from strong oxidizers. Dusts and/or powders, alone, or combined with process specific fluids, may form explosive mixtures with air. Applicable Federal, state and local laws and regulations may require testing dust generated from processing of steel products to determine if it represents a fire or explosion hazard and to determine appropriate protection methods. Avoid breathing dusts or fumes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Operations with potential for generating high concentrations of airborne particulates or fumes should be evaluated and controlled as necessary.

Eye Protection - Use safety glasses. Dust resistant safety goggles are recommended under circumstances where particles could cause mechanical injury such as grinding or cutting. Face shield should be used when welding or cutting.

Skin - Appropriate protective gloves should be worn as necessary. Good personal hygiene practices should be followed including cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing.

Respiratory Protection - NIOSH/MSHA approved dust/fume/mist respirator should be used to avoid excessive exposure. See Section 2 for component material information exposure limits. If such concentrations are sufficiently high that this respirator is inadequate, or high enough to cause oxygen deficiency, use a positive pressure self-contained breathing apparatus (SCBA). Follow all applicable respirator use, fitting, and training standards and regulations.

Ventilation - Provide general and/or local exhaust ventilation to control airborne levels of dust or fumes below exposure limits.

Exposure Guidelines - No permissible exposure limits (PEL) or threshold limit values (TLV) exist for steel. See Section 2 for component materials. Various grades of steel will contain different combinations of these elements. Trace elements may also be present in minute amounts.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor - Silver grey to grey black with metallic luster.

Boiling Point - Not applicable

Sheet Steel

Melting Point - Approximately 2800 °F
pH - Not applicable
Specific Gravity (at 15.6°C) - Not applicable
Density (at 15.6 °C) - Not applicable
Vapor Pressure - Not applicable
Vapor Density (air = 1) - Not applicable
% Volatile, by Volume - Not applicable
Solubility in Water - Insoluble.
Evaporation Rate (Butyl Acetate = 1) - Not applicable
Other Physical and Chemical Data
None

10. STABILITY AND REACTIVITY

Stability - Stable

Conditions to Avoid - Steel at temperatures above the melting point may liberate fumes containing oxides of iron and alloying elements. Avoid generation of airborne fume.

Hazardous Polymerization - Will not occur.

Incompatibility (Materials to Avoid) - Reacts with strong acids to form hydrogen gas. Do not store near strong oxidizers.

Hazardous Decomposition Products - Metallic fumes may be produced during welding, burning, grinding, and possibly machining or any situation with the potential for thermal decomposition. Refer to ANSI Z49.1

11. TOXICOLOGICAL INFORMATION

The primary component of this product is iron. Long-term exposure to iron dusts or fumes can result in a condition called siderosis which is considered to be a benign pneumoconiosis. Symptoms may include chronic bronchitis, emphysema, and shortness of breath upon exertion. Penetration of iron particles in the skin or eye may cause an exogenous or ocular siderosis which may be characterized by a red-brown pigmentation of the affected area. Ingestion overexposures to iron may affect the gastrointestinal, nervous, and hematopoietic system and the liver. Iron and steel founding, but not iron or iron oxide, has been listed as potentially carcinogenic by IARC.

When this product is welded, fumes are generated. Welding fumes may be different in composition from the original welding product, with the chief component being ordinary oxides of the metal being welded. Chronic health effects (including cancer) have been associated with the fumes and dusts of individual component metals (see above), and welding fumes as a general category have been listed by IARC as a carcinogen (Group 2B). There is also limited evidence that welding fumes may cause adverse reproductive and fetal effects. Evidence is stronger where welding materials contain known reproductive toxins, e.g., lead which may be present in the coating material of this product.

Breathing fumes or dusts of this product may result in metal fume fever, which is an illness produced by inhaling metal oxides. These oxides are produced by heating various metals including cadmium, zinc, magnesium, copper, antimony, nickel, cobalt, manganese, tin, lead, beryllium, silver, chromium, aluminum, selenium, iron, and arsenic. The most common agents involved are zinc and copper.

This product may contain small amounts of manganese. Prolonged exposure to manganese dusts or fumes is associated with "manganism", a Parkinson-like syndrome characterized by a variety of neurological symptoms including muscle spasms, gait disturbances, tremors, and psychoses.

This product may contain small amounts of cadmium. Primary target organs for cadmium overexposure are the lung and the kidney. Because of its cumulative nature, chronic cadmium poisoning can cause serious disease which takes many years to develop and may continue to progress despite cessation of exposure. Progression of the disease may not reflect current exposure conditions. It is also capable of causing a painful osteomalacia called "Itai-Itai" in postmenopausal women, and has caused developmental effects and/or reproductive effects in male and female animals. Cadmium is a listed carcinogen by NTP, OSHA, and IARC (Group 1).

Sheet Steel

This product may contain small amounts of chromium. Prolonged and repeated overexposure to chromium dusts or fumes may cause skin ulcers, nasal irritation and ulceration, kidney damage and cancer of the respiratory system. Chromium is skin sensitizer. Cancer is generally attributed to the hexavalent (+6) form of chromium which is listed as a carcinogen by NTP and IARC (Group 1).

This product may contain small amounts of nickel. Prolonged and repeated contact with nickel may cause sensitization dermatitis. Inhalation of nickel compounds has caused lung damage as well as sinus, nasal and lung cancer in laboratory animals. Nickel is a listed carcinogen by NTP and IARC (Group 1).

This product may contain small amounts of vanadium. Adverse effects from dermal, inhalation or parenteral exposure to various vanadium compounds have been reported. The major target for vanadium pentoxide toxicity is the respiratory tract. Fumes or dust can cause severe eye and respiratory irritation, and systemic effects. Chronic bronchitis, green tongue, conjunctivitis, pharyngitis, rhinitis, rales, chronic productive cough, and tightness of the chest have been reported following overexposure. Allergic reactions resulting from skin and inhalation exposures have also been reported. A statistical association between vanadium air levels and lung cancer has been suggested, but vanadium currently is not regarded as a human carcinogen.

This product may contain small amounts of lead. Lead can accumulate in the body. Consequently, exposure to fumes or dust may produce signs of polyneuritis, diminished vision and peripheral neuropathy, such as tingling and loss of feeling in fingers, arms and legs. Lead is a known reproductive and developmental toxin. It is also associated with central nervous system disorders, anemia, kidney dysfunction and neurobehavioral abnormalities. The brain is a major target organ for lead exposure. Elemental lead is listed as an IARC 2B carcinogen.

The product may contain small amounts of copper. Copper dust and fumes can irritate the eyes, nose and throat causing coughing, wheezing, nosebleeds, ulcers and metal fume fever. Other effects from repeated inhalation of copper fumes include a metallic or sweet taste, and discoloration of skin, teeth or hair. Copper also may cause an allergic skin reaction. Overexposure to copper can affect the liver.

12. ECOLOGICAL INFORMATION

Aquatic Ecotoxicological Data - No specific information available on this product.

Environmental Fate Data - No specific information available on this product.

13. DISPOSAL CONSIDERATIONS

Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. Dispose in accordance with federal, state, and local health and environmental regulations. Prevent materials from entering drains, sewers, or waterways.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name - Not regulated

DOT Hazard Classification - Not regulated

UN/NA Number - Not applicable

DOT Packing Group - Not applicable

Labeling Requirements - Not applicable

Placards - Not applicable

DOT Hazardous Substance - Not applicable

DOT Marine Pollutant - Not applicable

15. REGULATORY INFORMATION

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, dusts and fumes from this product may be hazardous. This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Sheet Steel

However, dusts and fumes from this product may be combustible or hazardous and require protection to comply with applicable Federal, state and local laws and regulations.

CALIFORNIA PROPOSITION 65

This product contains chemicals (antimony [oxide], arsenic, beryllium, chromium [hexavalent], cobalt, cadmium, lead, nickel) known to the State of California to cause cancer and chemicals (cadmium, lead) known to the State of California to cause birth defects or other reproductive harm.

Regulatory Lists

Some components of this product may be specifically listed by individual states; other product-specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

Toxic Substances Control Act (TSCA)

Components of this product are listed on the TSCA Inventory.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

Steel is not reportable, however, it contains hazardous substances that may be reportable if released in pieces with diameters less than or equal to 0.004 inches (RQ marked with a "**").

<u>Chemical Name</u>	<u>Reportable Quantity (in lb)</u>
Antimony	5000*
Arsenic	1*
Beryllium	10*
Cadmium	10*
Chromium	5000*
Copper	5000*
Lead	10*
Nickel	100*
Phosphorus	1
Selenium	100*
Zinc	1000*

Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III

SECTION 311/312 HAZARD CATEGORIES: Immediate Health Effect, Delayed Health Effect

This product contains the following EPCRA Section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right – To – Know Act of 1986 (40 CFR 372):

SECTION 313 REPORTABLE INGREDIENTS:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration (% by weight)</u>	<u>Reportable</u>
Aluminum	7429-90-5	0.0-0.01 Some grades up to 0.43%	No – Less than 1%
Antimony	7440-36-0	<0.9	No – Less than 1%
Arsenic	7440-38-2	<0.09	No – Less than 0.1%
Beryllium	7440-41-7	<0.09	No – Less than 0.1%
Cadmium	7440-43-9	<0.01	No – Less than 0.1%
Chromium	7440-47-3	0.01-1.0 Some grades up to 1.5%	Yes – Greater than 0.1%
Cobalt	7440-48-4	<0.09	No – Less than 0.1%
Copper	7440-50-8	<0.9	No – Less than 1%
Lead	7439-92-1	0.0-0.04	Yes
Manganese	7439-96-5	0.2-2 Some grades up to 6.0%	Yes – Greater than 1%
Nickel	7440-02-0	0.01-0.1 Some grades up to 1.5%	Yes – Greater than 0.1%
Phosphorus	7723-14-0	<0.9	No – Less than 1%
Selenium	7782-49-2	<0.9	No – Less than 1%
Vanadium	7440-62-2	<0.9	No – Less than 1%
Zinc	7440-66-6	<0.01	No – Less than 1%

Concentrations based on analytical data and process knowledge of typical products distributed by the facility.

16. OTHER INFORMATION

This MSDS covers Nucor product as delivered from the Nucor facility, but does not include chemicals that may be applied by subsequent handlers and/or distributors of this product. This could include a variety of materials including oils, paints, galvanization, etc. that are not included in this MSDS. Additionally, specialty orders may require application of coating material not listed in this MSDS. MSDSs for any Nucor-applied specialty coating will be provided separately. During welding, precautions should be taken for airborne contaminants that may originate from components of the welding rod. Arc or spark generated when welding or burning could be a source of ignition for combustible and/or flammable materials. The information in this Material Safety Data Sheet (MSDS) was obtained from sources which we believe are reliable; however, the information is provided without any representation or warranty, expressed or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of this product.

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

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

HMIS RATING			0 = Insignificant
	HEALTH	1	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: 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

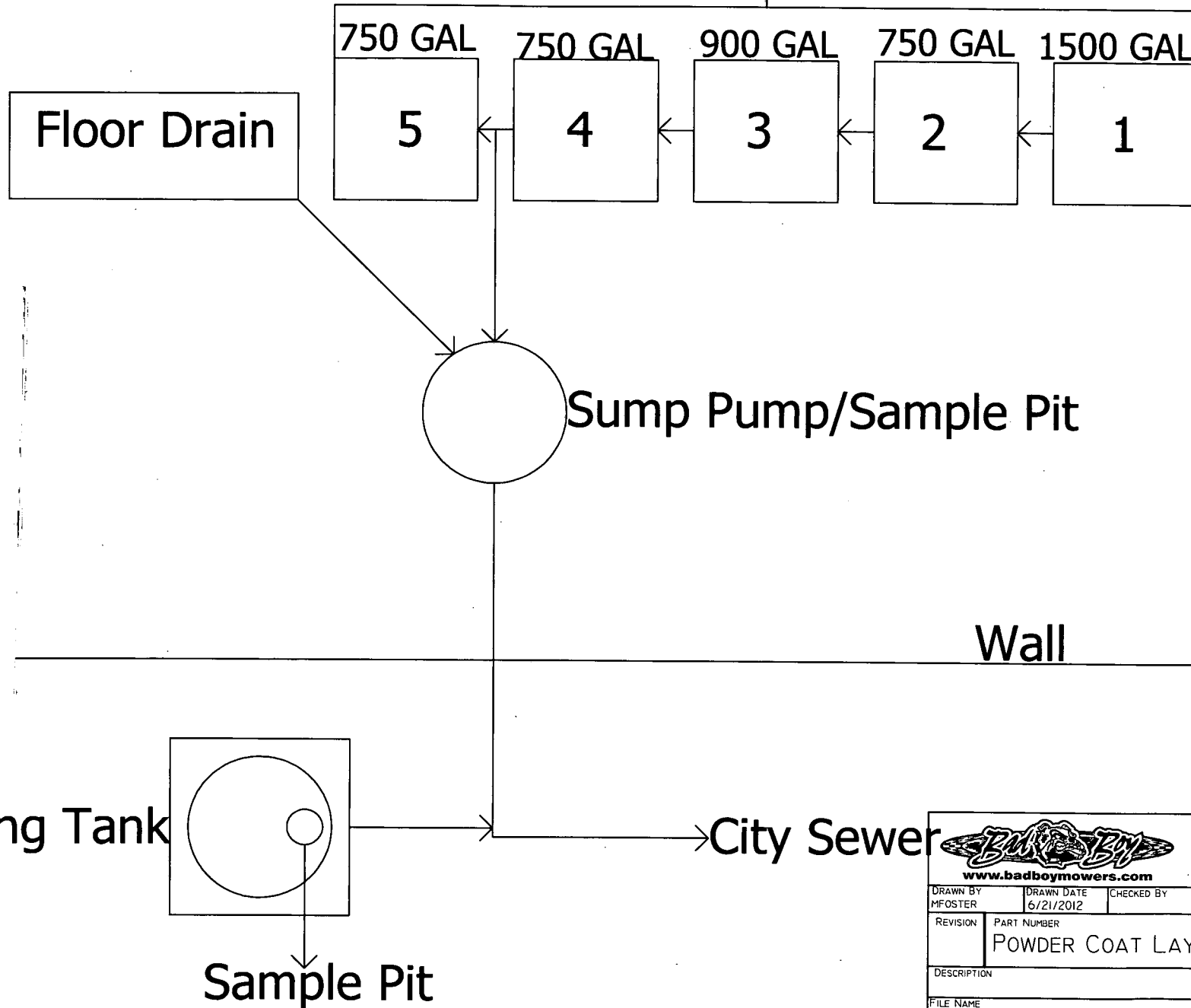
ALWAYS HAVE PLENTY OF WATER AVAILABLE FOR FIRST AID

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.**

INITIAL ACTION: Remove to fresh air

WASH TANKS



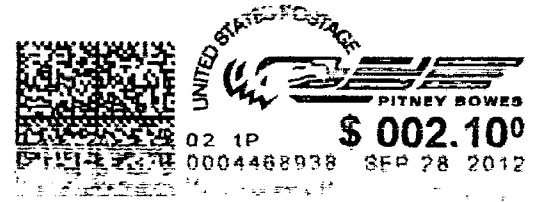
Pg. 2 # 3(c)



BAD BOY INC.
102 INDUSTRIAL DRIVE
BATESVILLE, ARKANSAS
72501

DRAWN BY MFOSTER	DRAWN DATE 6/21/2012	CHECKED BY	CHECKED DATE	SCALE
REVISION	PART NUMBER	POWDER COAT LAY OUT		SHEET NUMBER 1 OF 1
DESCRIPTION				
FILE NAME C:\VAULT_LOCAL\M1\SHOP\MATT\POWDER COAT LAY OUT.DWG				

Bald Boy Inc
102 Industrial Dr.
Batesville, AR 72501



Allen Gilliam
AR Department of Environmental Quality
State Pretreatment Coordinator
5301 Northshore Dr.
North Little Rock, AR 72118-5317

