

APPLICATION FOR DETERMINATION / 40CFR403.6(a)

OR

BASELINE MONITORING REPORT / 40CFR403.12(b)

40 CFR PART 403 - GENERAL PRETREATMENT REGULATIONS FOR EXISTING AND NEW SOURCES OF POLLUTION

NO HISTORICAL DATA

RETURN TO: ARK DEPT OF ENVIRONMENTAL QUALITY  
NPDES / PRETREATMENT SECTION  
5301 Northshore Drive  
NORTH LITTLE ROCK, ARKANSAS 72118-5317

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

(1) IDENTIFYING INFORMATION			
A. User's Legal Name & Mailing Address Derek R. McClasland 347 Van Buren Camden, AR 71701		B. Facility Name & Location B+M Painting 347 Van Buren Camden, AR 71701	
C. Name of Owners & Address Lori Payne 117 Qua. 543 Camden, AR 71701		D. Facility Contact (PROVIDE THE NAME, TITLE & PHONE NO. OF A DESIGNATED PERSON TO CONTACT IF ADDITIONAL INFORMATION IS NECESSARY) Brian McClasland (VP) (870) 836-3388	
D. Name of Operators: Derek R. McClasland			
F. Number of Employees 33	G. Number of Shifts/Day 1	H. Number of Months/Year Plant Operates: 12	
I. PROVIDE BELOW THE NAME OF THE PUBLICLY OWNED TREATMENT WORKS (POTW--SEWERAGE AUTHORITY, MUNICIPALITY, ETC.) THAT RECEIVES / WILL RECEIVE THE WASTEWATER DISCHARGES FROM THIS FACILITY Camden Water Utilities			
J. Provide the Date the facility will begin discharging regulated wastewater to the POTW Apr. 2000		K. Provide the Date the suspected regulated operation was/will be installed Apr. 2000	
(2) PERMITS: DESCRIBE ALL ENVIRONMENTAL CONTROL PERMITS HELD BY OR FOR THE FACILITY.			
DESCRIBE TITLE OF THE PERMIT	PERMIT NO.	ISSUING OFFICE	EXP. DATE
Industrial User Permit	EWU001-2000	Camden Water	8/31/08

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**(3) DESCRIPTION OF OPERATION**

A. List Raw/Basis Materials used (e.g., steel, aluminum, etc):

N/A (assume this pertains to manufacturing.)

B. List Chemicals used (Avoid using brand names/show constituents; e.g., phosphoric acid, nickel sulfate, etc):

Cr Acid, Nitric Acid, Sulfuric Acid, Dye Penetrant, HCl (-1 + .5N), alkali cleaners (Soap + Al 33 Etch)

C. Describe Manufacturing or Service Activities Conducted and the Final Products:

We provide anodizing, chem film, primers, & top coats for companies in the military & aerospace industry.

D. Describe (and summarize below) all suspected/proposed Regulated Process (Attach additional sheet if necessary):

Process Description	Prod Rate <sup>i</sup>	Category <sup>ii</sup>	Subpart <sup>iii</sup>	SIC Code
Chem film	4hr/day	metal finishing	Coating	
Cr Anodize	8hr/day	metal finishing	Anodizing	
Phosphate Coating	2hr/day	metal finishing	Coating	
Chemical Etching	8hr/day	metal finishing	Chemical Etching	

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E. Cite evidence and reasons why particular subcategories are applicable and why others are not applicable (Attach additional sheet if necessary):

### Applicable subcategories

Anodizing: Cr Anodizing is performed on site. We hold treated wastewater from this stream until outside analytical testing confirms that we are within compliance.

Chemical Etching: Al Etch is accompanied by an overflowing rinse tank which is a continuous flow to the city which is sampled & tested on a quarterly basis.

Coating: Chemical Conversion Coating is performed with Alodine 1200S, which contains Cr. Rinsewater from this process goes to the on site water treatment facility.

### Non-Applicable Subcategories

F. Provide on a separate sheet: (1) a schematic drawing of the part flow through each suspected/proposed regulated process that will generate wastewater--optional for concentration-based industries (2) a schematic drawing (blank enclosed) showing all wastewater flows (regulated? and nonregulated), location of any treatment system, sampling location(s), estimated flows for each individual wastestream and point(s) of discharge to the POTW.

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## (4) FLOW MEASUREMENT - Provide estimate if operation has not commenced

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

Average: 5,000 gpd Maximum: 6,000 gpd

Regulated? Process	Average Flow Rate (gpd)	Maximum Flow Rate (gpd)	Type of Discharge (Cont., Batch, etc)
Cr Anodize	250 gpd	300 gpd	Batch
Chem Film	50 gpd	50 gpd	Batch
Al Etch	1,000 gpd	1,200 gpd	Cont.
Unregulated <sup>IV</sup>	*****	*****	*****
Cooling Water			
Sanitary Waste			

## (5) MEASUREMENT OF POLLUTANTS - Provide an estimate of the regulated pollutants in the proposed discharge

A. Provide here or on a separate sheet a description of any existing or proposed wastewater treatment system.

*We have a chemical treatment system in which we use metabisulfite to breakdown & remove Cr<sup>+6</sup> from our wastewater.*

B. Analysis (Estimate) of Regulated Flows: The industrial user must provide an analysis or an estimate of the analysis of the effluent from the proposed regulated processes. (Only those pollutants specifically regulated by the applicable category need be reported.)

Proposed/Suspected Regulated Process(es): \_\_\_\_\_

Pollutant	Cd	Cr	Cu	Pb	Ni	Zn	CN			
Maximum (mg/l)	.01	1.7	.2	.1	.05	.49	.049			
Average (mg/l)	.005	1.5	.5	.05	.01	.4	.05			

C. If the above analysis is from an existing and similar process, state the name and location of the facility where the existing process is located:

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General Comments:

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40 CFR PART 403 - GENERAL PRETREATMENT REGULATIONS FOR EXISTING AND NEW SOURCES OF POLLUTION

Excerpts from §403.5 National pretreatment standards: Prohibited discharges

- (a)(1) *General prohibitions.* A User may not introduce into a POTW any pollutant(s) which cause Pass Through or Interference. These general prohibitions and the specific prohibitions in paragraph (b) of this section apply to each User introducing pollutants into a POTW whether or not the User is subject to other National Pretreatment Standards or any national, State, or local Pretreatment Requirements.
- (b) *Specific prohibitions.* In addition, the following pollutants shall not be introduced into a POTW:
  - (1) Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21.
  - (2) Pollutants which will cause corrosive structural damage to the POTW, but in no case Discharges with pH lower than 5.0, unless the works is specifically designed to accommodate such Discharges;
  - (3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in Interference;
  - (4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a Discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW.
  - (5) Heat in amounts which will inhibit biological activity in the POTW resulting in Interference, but in no case heat in such quantities that the temperature at the POTW Treatment Plant exceeds 40oC (104oF) unless the Approval Authority, upon request of the POTW, approves alternate temperature limits.
  - (6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;
  - (7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
  - (8) Any trucked or hauled pollutants, except at discharge points designated by the POTW.

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SIGNATORY REQUIREMENT

I certify under penalty of law that I have personally examined and am familiar with the information in this Application for Determination (or Preliminary Baseline Monitoring Report) and all attachments, and that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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.

*Brian McCasland*

Name - Authorized Representative (Corporate Executive, Plant Manager, et al) per 40CFR403.12(l)

*Vice President*

Official Title

*Brian McCasland*

Signature

*1-31-08*

Date

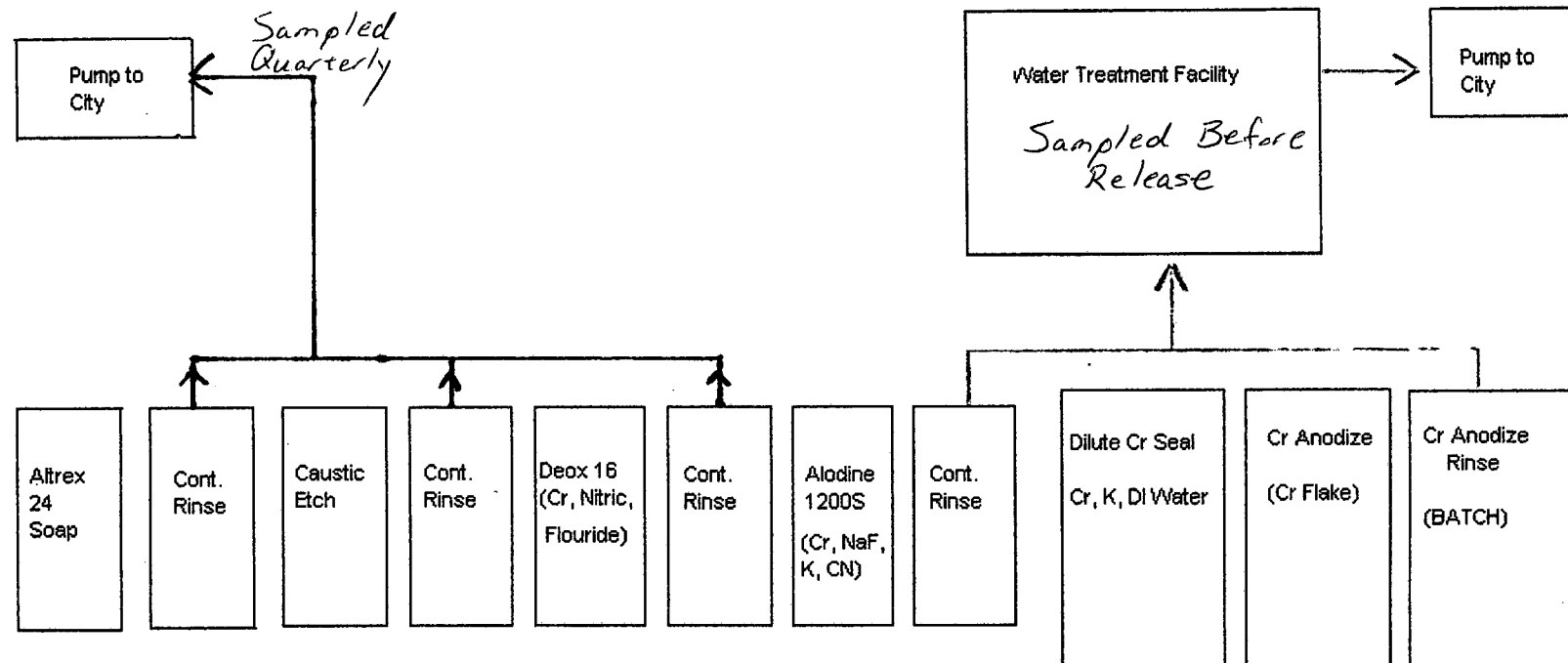
<sup>i</sup> Estimate the production rate (million off-lbs, million ft<sup>2</sup>, etc); applies only to industries which have production based standards. This does not apply to industries (40CFR433 Metal Finishers, et al) with concentration based limits.

<sup>ii</sup> Cite the Applicable/Appropriate Pretreatment Standard, e.g. 40CFR433

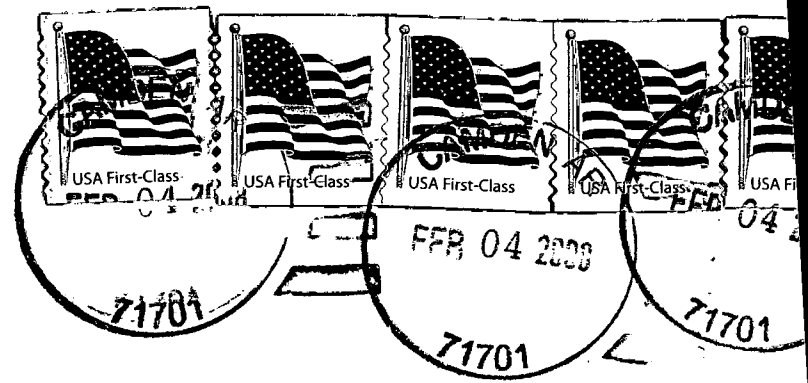
<sup>iii</sup> Cite appropriate subcategory of Pretreatment Standard; e.g., find in 40CFR467 Subpart A--Rolling With Neat Oils Subcategory

<sup>iv</sup> Unregulated processes have pollutants regulated by law but the process is not regulated.

# B&M Painting Water Flow



Derek McClasland  
B&M Painting  
347 Van Buren  
Camden, AR 71701



Rufus Torrence  
Ark. Dept. of Environmental Quality  
NPDES / Pretreatment Section  
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N. Little Rock, AR 72118