# SEMI-ANNUAL REPORT FOR INDUSTRIAL USERS REGULATED BY 40CFR433 Use of this form is not an EPA/ADEQ requirement. (1) IDENTIFYING INFORMATION A. LEGAL NAME & MAILING ADDRESS **B. FACILITY & LOCATION ADDRESS** BEM POINTING 347 VAN BUREN DENVER EZEL 347 VAN BUREN CAMDEN, AR 71701 CAMDEN, AR 71701 C. FACILITY CONTACT: DENVER (2) REPORTING PERIOD-FISCAL YEAR From Jun 1 to May 31, (Both Semi-Annual Reports must cover Fiscal Year A. MONTHS WHICH REPORTS ARE DUE B. PERIOD COVERED BY THIS REPORT December (3) DESCRIPTION OF OPERATION A. REGULATED PROCESSES B. CHANGES: SINCE THE LAST REPORT. ATTACH AN ADDITIONAL SHEET IF **CORE PROCESS(ES)** SCHEMATIC IF APPROPRIATE CHECK EACH APPLICABLE BLOCK Waste Water Ion Exchange (WWIX) system **G** Electroplating **G** Electroless Plating Has been added at Outfall #1 and **A**nodizing Outfall #2 for chrome reduction/removal. Coating BMP does internal chrome testing at WWIX **G** Chemical Etching and Milling System locations 2 – 3 times per week to **G** Printed Circuit Board Manufacture Ensure constant compliance and to not Exceed daily or monthly-average limits On metals to POTW. ANCILLARY PROCESS(ES)\* LIST BELOW EACH PROCESS USED IN THE FACILITY CR HNODIZING CHEMICAL CONVERSION COATING ENETRANT TESTING SEE 40CFR433.10(a) FOR 40 DIFFERENT OPERATIONS

C. Number of Regular Employees at this Facility

D. [Reserved]

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: BEH PAINTING

	INDIV	IDUAL & TO	TAL PROCE	SS FLOWS D	ISCHARGED	TO POTW	IN GALLONS	PER DAY		
		Process		Averag	(e	Maxim	um T	ype of Disc	harge	
	Regul	lated (Core	& ANC)	2600	sel.	300 g	al. D	I Rings	WATER	
	Regul	lated (Cyan	ide)	· (		0				
	' 403.	6(e) Unregu	lated*							
	' 403.	6(e) Dilute								
	Cooli	ng Water				······································				
	Sanita	ary		200 0	.e.	200	Sal.			
	Total	Flow to PO	TW	4600	ral.	500 0	aQ. *	*****	****	
	'"Unre	gulated" has a	precise legal	meaning; see	U 10CFR403.6(e	(e).				
- 1. July					(***/*********************************			1427		T,
	MENTAF			distribution a monatematical and today					<u> </u>	<u> </u>
A. TYPE	OF TREATME	ENT SYSTEM					B. COMMEN	ITS ON TREA	TMENT SYST	EM
CHECK	EACH APPLIC	CABLE BLOC	K							
G Neut	ralization					ļ				
	nical Precipi		Sedimentat	tion						
	mium Reductide Destruct		,							
	r <u>Vwr</u>						•			
G None	- •									
CORE &	INDUSTRIAL ANCILLARY- ATE ALL THE A NTRATIONS A	-(AFTER TRE ANALYTICAI	EATMENT, I L DATA CO	IF APPLICAB LLECTED DU	LE). ATTAC RING THE F	H THE LAB REPORT PEI	ANALYSIS V	VHICH SHOV SPACE PRO	VS A MAXIMI VIDED BELO	UM; W. ZE
Pollu	ıtant(mg/l)	Cd	Cr	Cu	Pb	Ni	Ag	Zn	CN	TTC
Max	for 1 day	0.11	2.77	3.38	0.69	₹3.98	0.43	2.61	1.20	2.1
Moi	nthly Ave	0.07	1.71	2.07	0.43	2.38	0.24	1.48	0.65	
Max	Measured	0.004	0.079	0.012	0.04	0.01	0.007	0.018	0.024	
Ave	Measured	0.004	0.079	0.012	0.04	0.01	0.007	0018	0.024	
Sam	ple Location	POTW	OUTFA	u #1	4	#2	· · · · · · · · · · · · · · · · · · ·			
Sam	ple Type (Gr	ab or Comp	oosite)	Compos	site			_		
				' ~		<b>P</b> !		`		
Num	ber of Samp	les and Fred	quency Co	llected <u> </u>	TOTAL	EVER	134 kg	s)		

# 40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: BONTING A. [Reserved] [Reserved] B. CHECK ONE: G '433.11(e) TOXIC ORGANIC ANALYSIS ATTACHED G '433.12(a) TTO CERTIFICATION Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last semi-annual compliance report. I further certify that this facility is implementing the toxic organic management plan submitted to Arkansas Department of Environmental Quality. (Corporate Officer or authorized representative) Date of Signature 9-8-09 **CORPORATE ACKNOWLEDGEMENT (Optional)** STATE OF ARKANSAS COUNTY OF \_\_\_\_\_\_\_) Before me, the undersigned authority, on this day personally appeared 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 \_\_\_\_\_\_\_\_.

# 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 CHEMICAL MANAGER, responsible for the overall operation of the BMP LAB facility in CAMBO Arkansas, to sign all regular reports required by National Pretreatment Standardspursuant to ADEQ rules and/or Clean Water Act (CWA) regulations. This written authorization is provided in accordance with 40 CFR 403.12(I) and comparable state regulations.							
BRIAN MCASIAND (VICE PRESIDENT) Corporate official name & title here  Blian M Cerla  Signature  9-8-2009  Date							
9-8-2009 Date							

40CFR433 SEMI-ANNUAL REPORT CON'D FACILITY NAME: LONDON LITTION PREVENTION ACTOR 1990 142 ILS C 13101 et send '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: WASTE WATER (8) GENERAL COMMENTS (9) SIGNATORY REQUIREMENTS [40CFR403.12(I)] I certify under penalty of law that I have personally examined and am familiar with the information in this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. BRIAN MCCASLAND AME OF CORPORATE OFFICER OR AUTHORIZED REPRESENTATIVE

PRESIDENT

### Appendix A

### TOTAL TOXIC ORGANICS LIST

Volatile Comp'ds (EPA Method 624)	39. 2,4,6-trichlorophenol	77. Isophorone
1. Acrolein	Base/Neutral s (EPA Method 625)	78. Naphthalene
2. Acrylonitrile	40. Acenaphthene	79. Nitrobenzene
3. Benzene	41. Acenaphthylene	80. N-nitrosodimethylamine
4. Bromoform	42. Anthracene	81. N-nitrosodi-n-propylamine
5. Carbon tetrachloride	43. Benzidine	82. N-nitrosodiphenylamine
6. Chlorobenzene	44. Benzo(a)anthracene	83. Phenanthrene
7. Chlorodibromomethane	45. Benzo(a)pyrene	84. Pyrene
8. Chloroethane	46. 3,4-benzofluoranthene	85. 1,2,4-trichlorobenzene
9. 2-chloroethylvinyl ether	47. Benzo(ghi)perylene	Pesticides (EPA Method 608)
10. Chloroform	48. Benzo(k)fluoranthene	86. Aldrin
11. Dichlorobromomethane	49. bis(2-chloroethoxy)methane	87. Alpha-BHC
12. 1,1-dichloroethane	50. bis(s-chloroethyl)ether	88. Beta-BHC
13. 1,2-dichloroethane	51. bis(2-chloroisopropyl)ether	89. Gamma-BHC
14. 1,1-dichloroethylene	52. bis(2-ethylhexyl)phthalate	90. Delta-BHC
15. 1,2-dichloropropane	53. 4-bromophenyl phenyl ether	91. Chlordane
16. 1,3-dichloropropylene	54. Butylbenzyl phthalate	92. 4,4'-DDT
17. Ethylbenzene	55. 2-chloronaphthalene	93. 4,4'-DDE
18. Methyl bromide	56. 4-chlorophenyl phenyl ether	94. 4,4'-DDD
19. Methyl chloride	57. Chrysene	95. Dieldrin
20. Methylene chloride	58. Dibenzo(a,h)anthracene	96. Alpha-endosulfan
21. 1,1,2,2-tetrachloroethane	59. 1,2-dichlorobenzene	97. Beta-endosulfan
22. Tetrachloroethylene	60. 1,3-dichlorobenzene	98. Endosulfan sulfate
23. Toluene	61. 1,4-dichlorobenzene	99. Endrin
24. 1,2-trans-dichloroethylene	62. 3,3-dichlorobenzidene	100. Endrin aldehyde
25. 1,1,1-trichloroethane	63. Diethyl phthalate	101. Heptachlor
26. 1,1,2-trichloroethane	64. Dimethyl phthalate	102. Heptachlor epoxide
27. Trichloroethylene	65. Di-n-butyl phthalate	103. PCB-1242 (Arochlor 1242)
28. Vinyl chloride	66. 2,4-dinitrotoluene	104. PCB-1254 (Arochlor 1254)
Acid compounds (EPA Method 625)	67. 2,6-dinitrotoluene	105. PCB-1221 (Arochlor 1221)
29. 2-chlorophenol	68. Di-n-octyl phthalate	106. PCB-1232 (Arochlor 1232)
30. 2,4-dichlorophenol	69. 1,2-diphenylhydrazine (as	107. PCB-1248 (Arochlor 1248)
31. 2,4-dimethylphenol	azobenzene)	108. PCB-1260 (Arochlor 1260)
32. 4,6-dinitro-o-cresol	70. Fluroranthene	109. PCB-1016 (Arochlor 1016)
33. 2,4-dinitrophenol	71. Fluorene	110 Toxaphene
34. 2-nitrophenol	72. Hexachlorobenzene	III. CYANIDE (N.O.S.)
35. 4-nitrophenol	73. Hexachlorobutadiene	Total concentration of all quantifiable
36. p-chloro-m-cresol	74. Hexachlorocyclopentadiene	values greater than 10 micrograms for compounds 1 thru 110 shall not exceed
37. Pentachlorophenol	75. Hexachloroethane	2,130 ug/l.

The list of Priority Pollutants included herein is taken from Federal NPDES Permit regulation 40 CFR Part 122, Appendix D, Table

76. Indeno(1,2,3-cd)pyrene

38. Phenol



#### **ANALYTICAL RESULTS**

AIC No. 131974-1

Sample Identification: B&M Painting 09-02-09 0730,1225,1400,1500 hrs

Analyte	Method	Result	RL	Units	Batch	Qualifier
Total Cyanide	SM4500-CN C,E	0.024	0.01	mg/l	W30103	
Cadmium	EPA 200.7	< 0.004	0.004	mg/l	\$26312	
Chromium	EPA 200.7	0.079	0.007	mg/l	S26312	
Copper	EPA 200.7	0.012	0.006	mg/l	S26312	
Lead	EPA 200.7	< 0.04	0.04	mg/l	S26312	
Nickel	EPA 200.7	< 0.01	0.01	mg/l	S26312	
Silver	EPA 200.7	< 0.007	0.007	mg/l	S26312	
Zinc	EPA 200.7	0.018	0.002	mg/l	S26312	
Oil and Grease	EPA 1664A	< 5	5	mg/l	B5906	



September 4, 2009 Control No. 131974 Page 4 of 6

B & M Painting Co., Inc. 347 Van Buren Camden, AR 71701

#### SAMPLE PREPARATION REPORT

AIC No. 131974-1	Date/Time		Date/Time				
Analyte	Prepared By		Analyzed B	y	Dilution	Batch	Qualifier
Total Cyanide	03SEP09 1108	291	03SEP09 1603	258		W30103	
Metals	03SEP09 1421	286	03SEP09 1742	270		S26312	
Oil and Grease	03SEP09 1130	100	03SEP09 1527	100		B5906	

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### LABORATORY CONTROL SAMPLE RESULTS

	Spike	%	% Recovery		RPD		
Analyte	Amount	Recovery	Limits	RPD	Limit	Batch	Qualifier
Cyanide	0.1 mg/l	96.8/98.3	85-115	1.54	20	W30103	
Cadmium	5 mg/l	99.2/99.0	85-115	0.173	20	S26312	
Chromium	0.5 mg/l	92.2/93.7	85-115	1.60	20	S26312	
Copper	0.5 mg/l	103/103	85-115	0.0241	20	S26312	
Lead	5 mg/l	103/102	85-115	1.00	20	S26312	
Nickel	0.5 mg/l	99.4/99.9	85-115	0.517	20	S26312	
Silver	0.1 mg/l	106/105	85-115	0.879	20	S26312	
Zinc	0.5 mg/l	98.0/97.6	85-115	0.400	20	S26312	
Oil and Grease	40 mg/l	95.2/96.5	78-114	1.30	20	B5906	

#### MATRIX SPIKE SAMPLE RESULTS

	Spike	%	% Recovery		RPD		
Analyte	Amount	Recovery	Limits	RPD	Limit	Batch	Qualifier
Cyanide	0.1 mg/l	95.2/103	75-125	7.91	20	W30103	
Cadmium	5 mg/l	102/97.6	75-125	4.11	20	S26312	
Chromium	0.5 mg/l	92.3/92.8	75-125	0.540	20	S26312	
Copper	0.5 mg/l	104/106	75-125	2.09	20	S26312	
Lead	5 mg/l	103/105	75-125	1.64	20	S26312	
Nickel	0.5 mg/l	98.8/100	75-125	1.46	20	S26312	
Silver	0.1 mg/i	102/105	75-125	2.66	20	S26312	
Zinc	0.5 mg/l	98.3/99.9	75-125	1.53	20	S26312	
Oil and Grease	40 mg/l	94.4	78-114	-	20	B5906	

#### LABORATORY BLANK RESULTS

						QC	
Analyte	Method	Result	Units	RL	PQL	Sample	Qual
Cyanide	SM4500-CN C,E	< 0.01	mg/l	0.01	0.01	W30103-1	
Cadmium	EPA 200.7	< 0.004	mg/l	0.004	0.004	S26312-1	
Chromium	EPA 200.7	< 0.007	mg/l	0.007	0.007	S26312-1	
Copper	EPA 200.7	< 0.006	mg/l	0.006	0.006	S26312-1	
Lead	EPA 200.7	< 0.04	mg/l	0.04	0.04	S26312-1	
Nickel	EPA 200.7	< 0.01	mg/l	0.01	0.01	S26312-1	
Silver	EPA 200.7	< 0.007	mg/l	0.007	0.007	S26312-1	
Zinc	EPA 200.7	< 0.002	mg/l	0.002	0.002	S26312-1	
Oil and Grease	EPA 1664A	< 5	mg/l	5	5	B5906-1	



September 4, 2009 Control No. 131974 Page 6 of 6

#### **QUALITY CONTROL PREPARATION REPORT**

#### **LABORATORY CONTROL SAMPLES**

Analyte	Date/Time Prepared By		Date/Time Analyzed By		QC Dilution Sample		Qualifier
Cyanide	03SEP09 1109	291	03SEP09 1554	258		W30103-2	
Cyanide	03SEP09 1109	291	03SEP09 1556	258		W30103-3	
Metals	03SEP09 1422	286	03SEP09 1731	270		S26312-2	
Metals	03SEP09 1422	286	03SEP09 1733	270		S26312-3	
Oil and Grease	03SEP09 1132	100	03SEP09 1527	100		B5906-2	
Oil and Grease	03SEP09 1132	100	03SEP09 1527	100		B5906-3	

#### **MATRIX SPIKE SAMPLES**

	Date/Time Prepared By		Date/Time	<b>:</b>		QC	
Analyte			Analyzed By		Dilution	Sample	Qualifier
Cyanide	03SEP09 1109	291	03SEP09 1600	258		W30103-4	
Cyanide	03SEP09 1109	291	03SEP09 1602	258		W30103-5	
Metals	03SEP09 1422	286	03SEP09 1736	270		S26312-4	
Metals	03SEP09 1422	286	03SEP09 1739	270		S26312-5	
Oil and Grease	03SEP09 1132	100	03SEP09 1527	100		B5906-4	

#### **LABORATORY BLANKS**

•	Date/Time		Date/Time			QC	
Analyte	Prepared By		Analyzed By	/	Dilution	Sample	Qualifier
Cyanide	03SEP09 1109 29	91	03SEP09 1552	258		W30103-1	
Metals	03SEP09 1422 28	86	03SEP09 1727	270		S26312-1	
Oil and Grease	03SEP09 1132 10	00	03SEP09 1527	100		B5906-1	



B & M Painting Co., Inc. ATTN: Mr. Derek McCasland 347 Van Buren Camden, AR 71701

Dear Mr. Derek McCasland:

Project Description:

One (1) water sample(s) received on September 3, 2009

Rinse Water

P.O. No. BM090209-DE

This report is the analytical results and supporting information for the sample submitted to American Interplex Corporation (AIC) on September 3, 2009. The following results are applicable only to the sample identified by the control number referenced above. Accurate assessment of the data requires access to the entire document. Each section of the report has been reviewed and approved by the laboratory director or a qualified designee.

Data has been validated using standard quality control measures performed on at least 10% of the samples analyzed. Quality Assurance, instrumentation, maintenance and calibration were performed in accordance with guidelines established by the cited methodology.

AMERICAN INTERPLEX CORPORATION

By KW

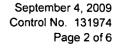
John Overbey

Laboratory Director

Enclosure(s): Chain of Custody

PDF cc: B & M Painting Co., Inc.

ATTN: Mr. Denver Ezell dezell@bmpaint.com





#### **CASE NARRATIVE**

#### SAMPLE RECEIPT

Received Temperature: 2°C

Receipt Verification: Complete Chain of Custody

Sample ID on Sample Labels

Date and Time on Sample Labels

Proper Sample Containers

Within Holding Times

Adequate Sample Volume

Sample Integrity

Proper Temperature

Y

Proper Preservative

#### **COMMENTS**

There were no qualifiers for this data and all samples met quality control criteria.

#### References:

"Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).

"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.

"Standard Methods for the Examination of Water and Wastewaters", 20th edition, 1998.

"American Society for Testing and Materials" (ASTM).

"Association of Analytical Chemists" (AOAC).

"Self-Davis and Moore" (2000).

# **TOXIC ORGANIC MANAGEMENT PLAN**

# B & M PAINTING COMPANY, INC. 347 VAN BUREN ST. CAMDEN, AR 71701

Industrial User Discharge Permit Number: CWU001-2000

Emergency Contract Phone Numbers: Tracy Payne (870)231-5683
Brian McCasland (870)574-2799

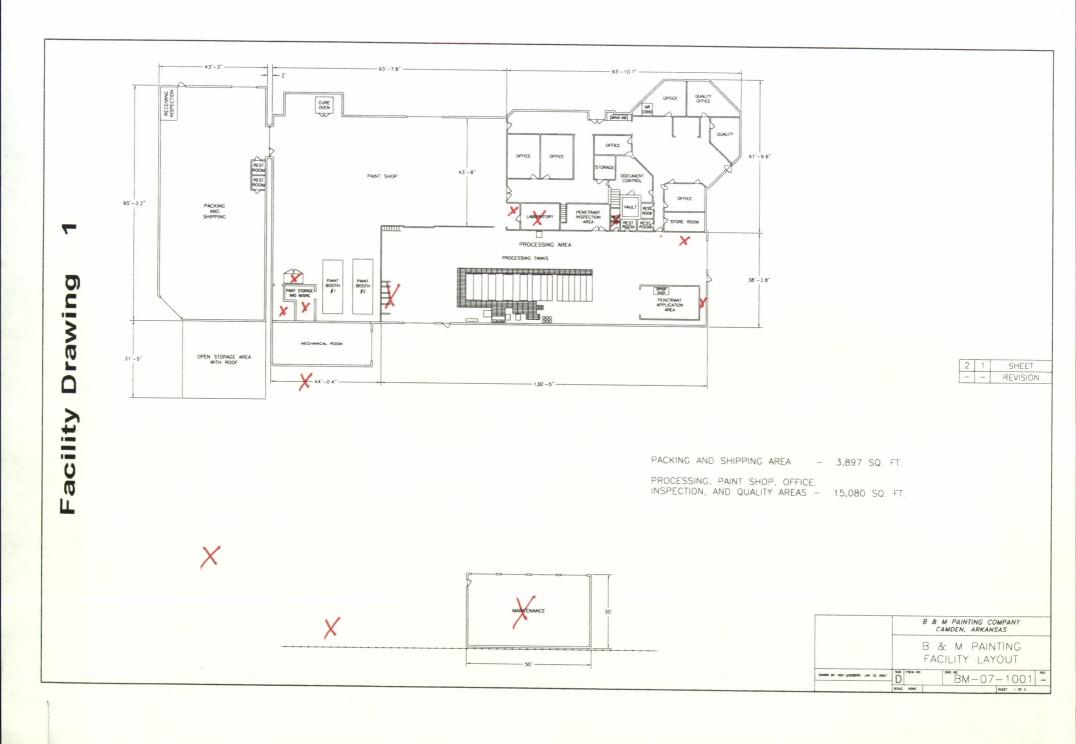
### 2. Facility Description:

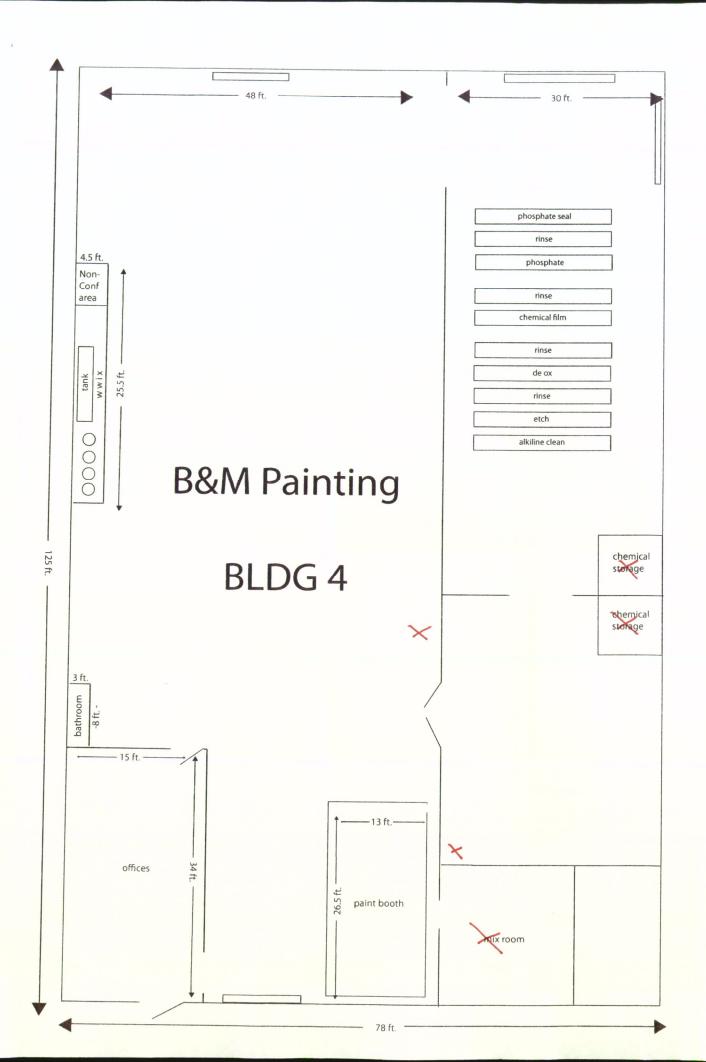
B & M Painting Co., Inc. (BMP) is a contract chemical coating/painting facility that processes parts for the U.S. Military and the aerospace industry. BMP has 2 chemical process lines where rinse-overflows discharge to one of two (2) POTW Outfalls. All hazardous material solutions are discharged to same 2 POTW Outfalls 'but' are routed through Waste Water Ion eXchange system prior to discharge. (WWIX) BMP has a daily employ of 44-46 employees and operates daily (Mon. – Fri.) from 7:00 a.m. to 4:30 p.m.

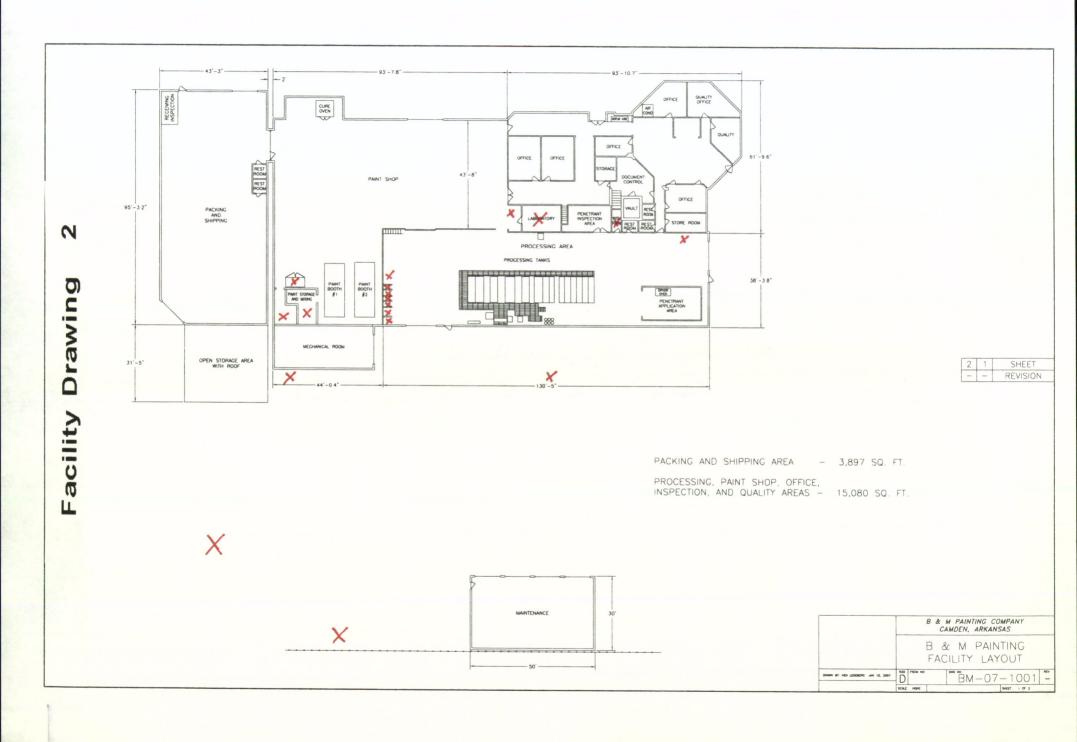
# **Facility Drawings for Pertinent Subject-Items:**

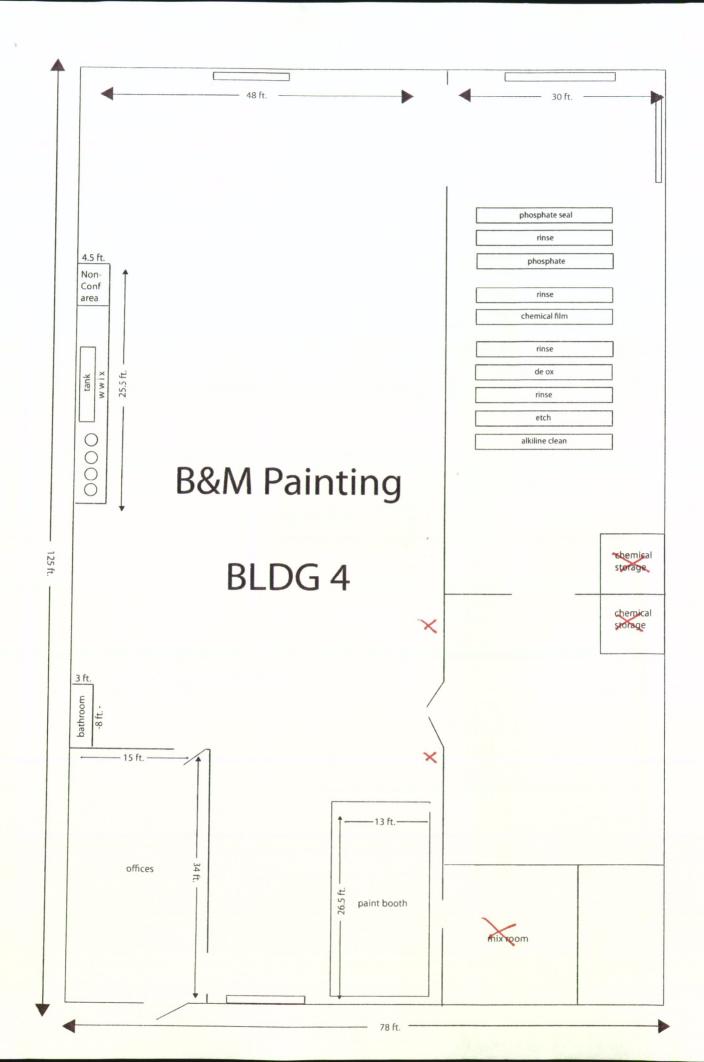
# Appendix to Drawings:

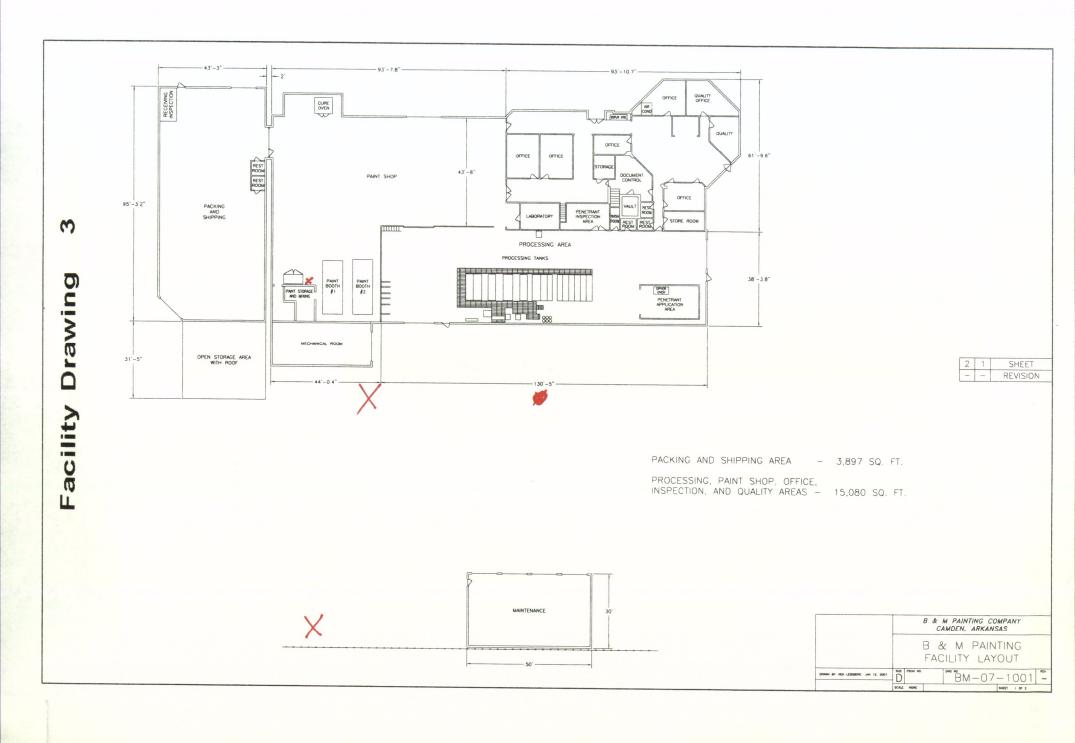
- 1. Location of all raw materials
- 2. Location of all chemicals
- 3. Location of all waste
- 4. Location of all floor drains
- 5. Location of all other discharge points
- 6. Location of all outside exits
- 7. Location of all posted notices of emergency contacts
- 8. Location of all stormwater drains.

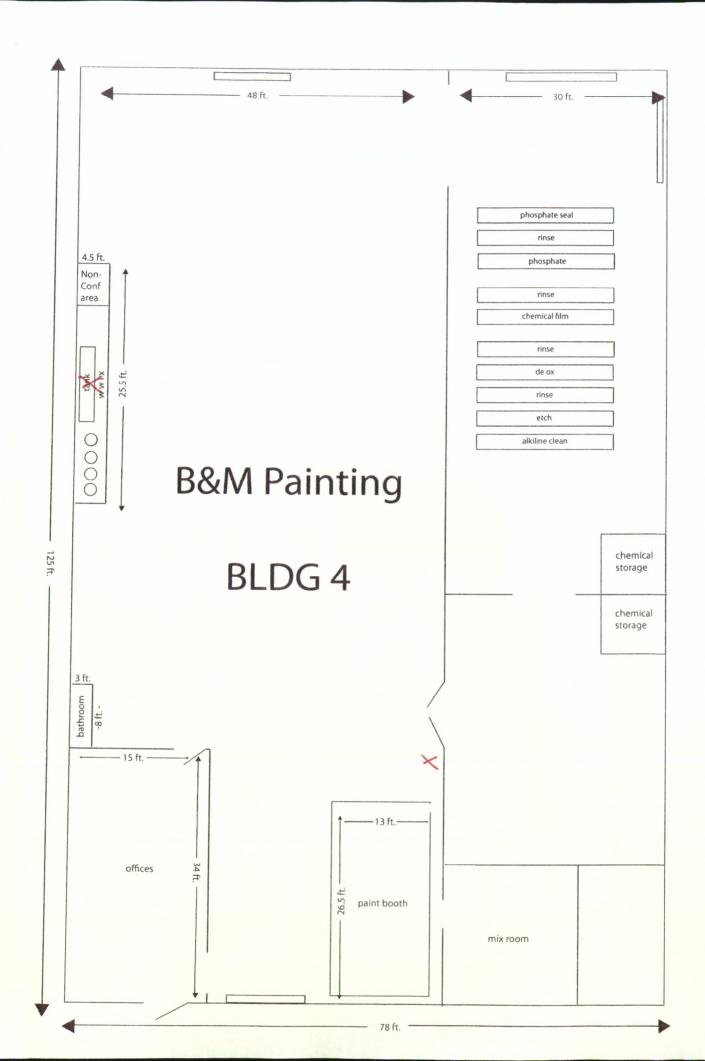


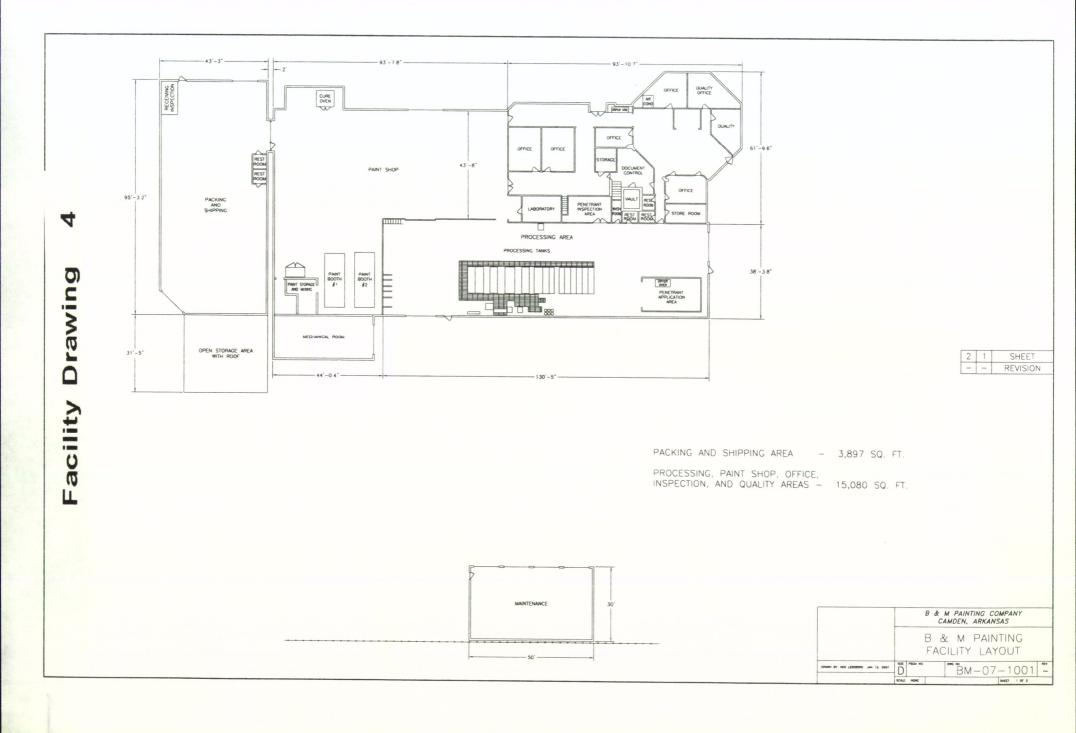


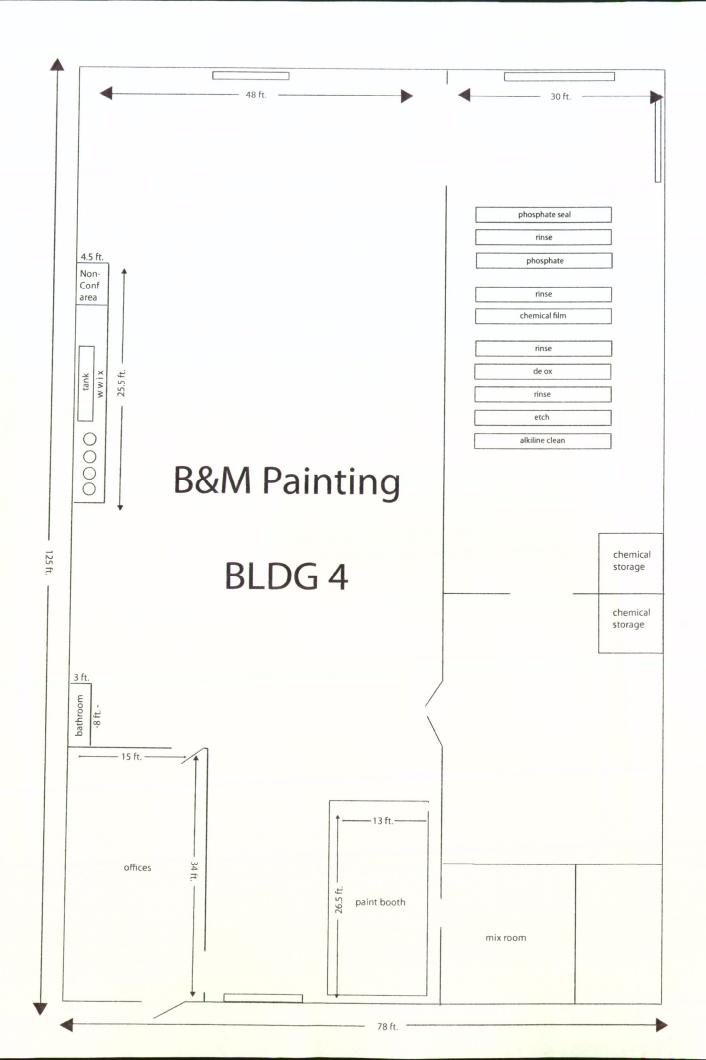


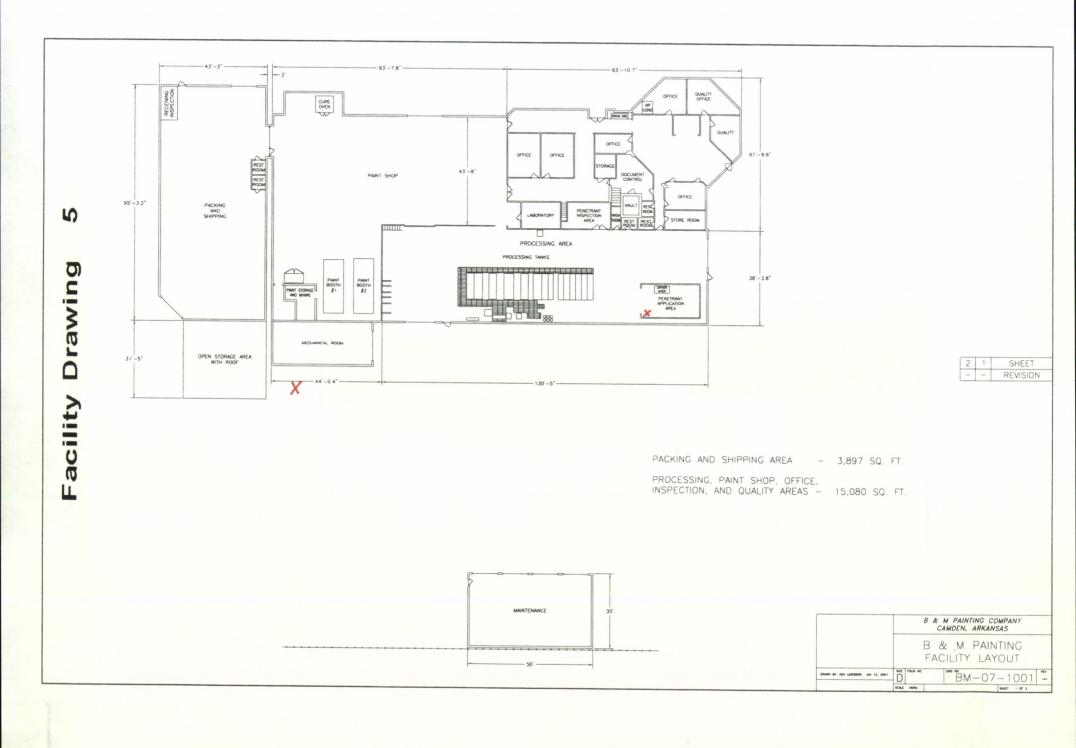


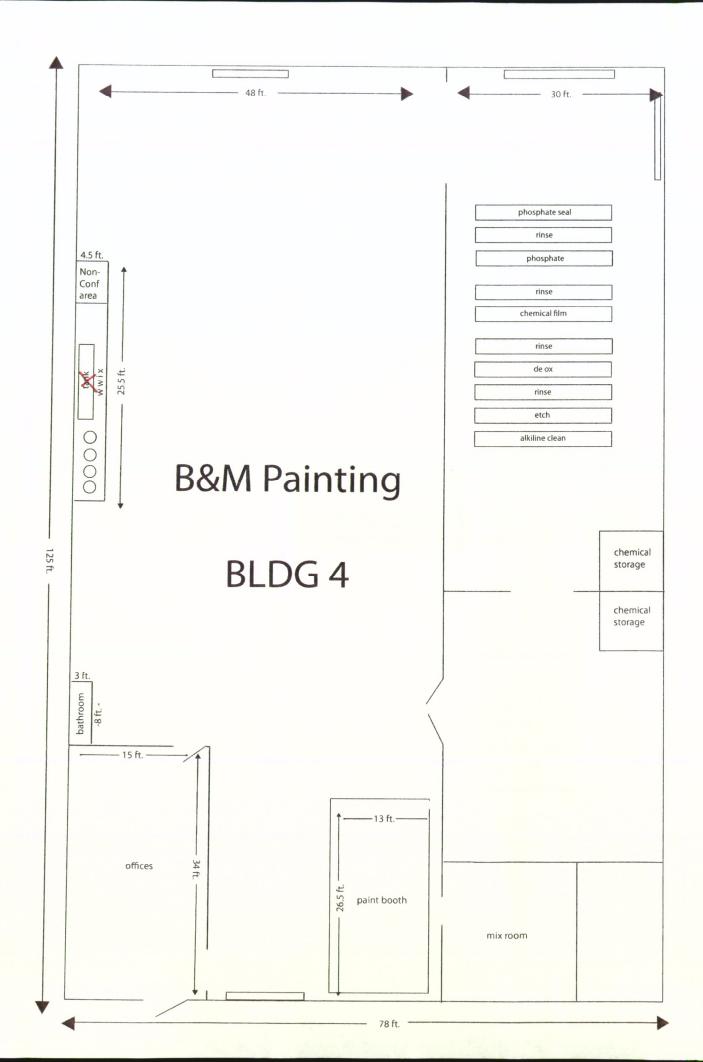


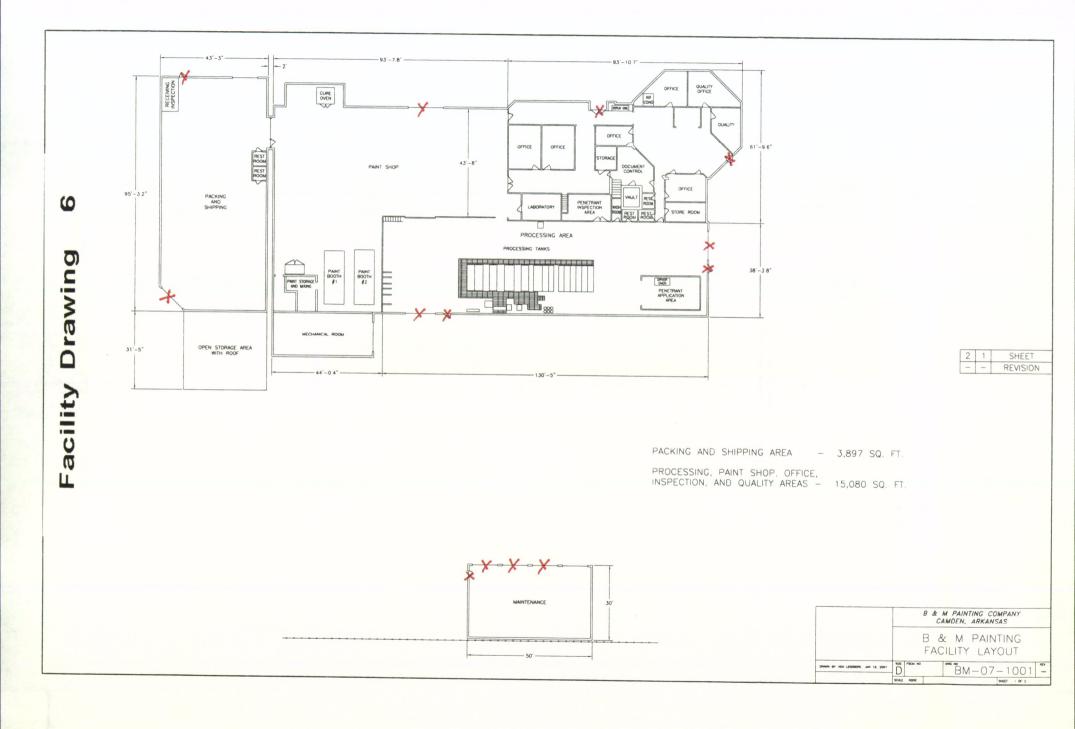


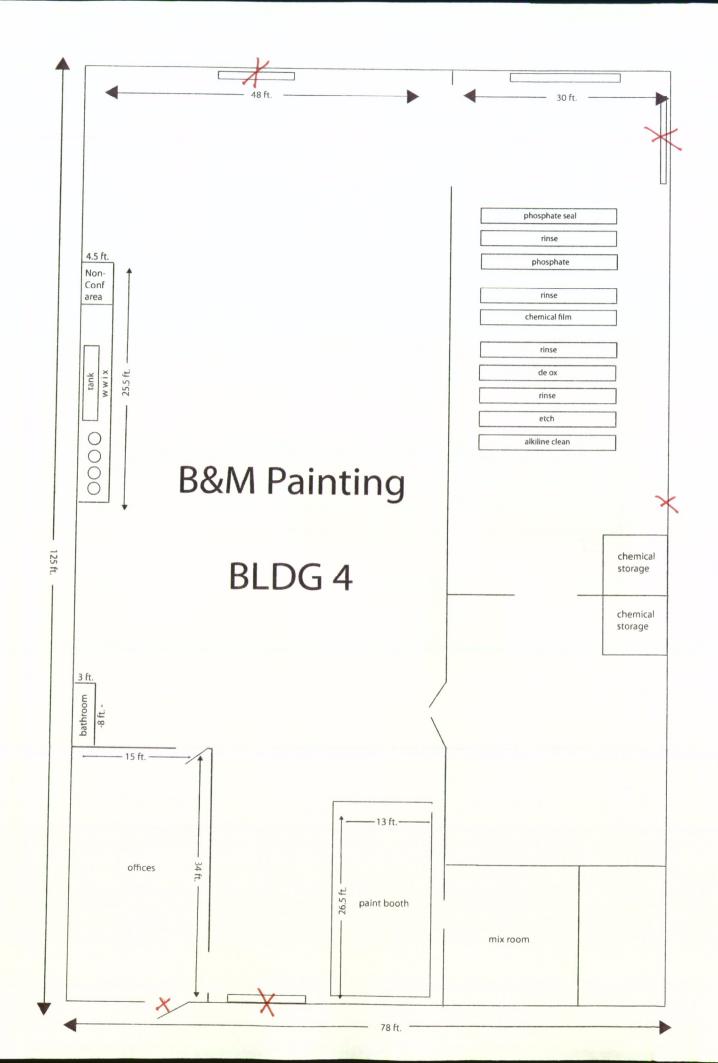






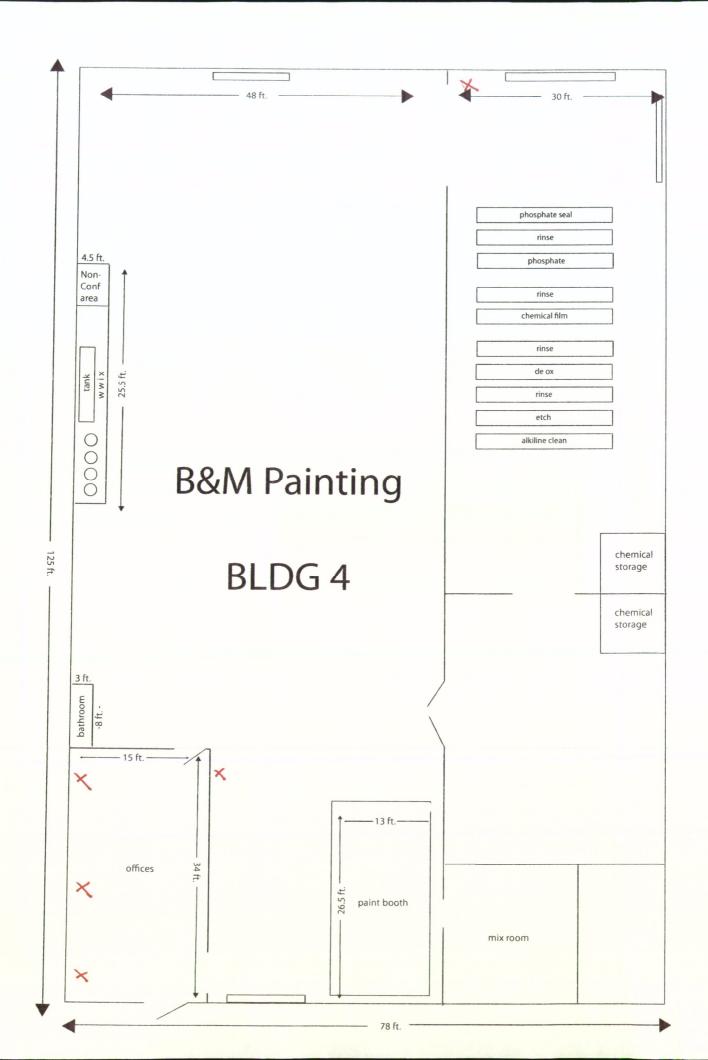


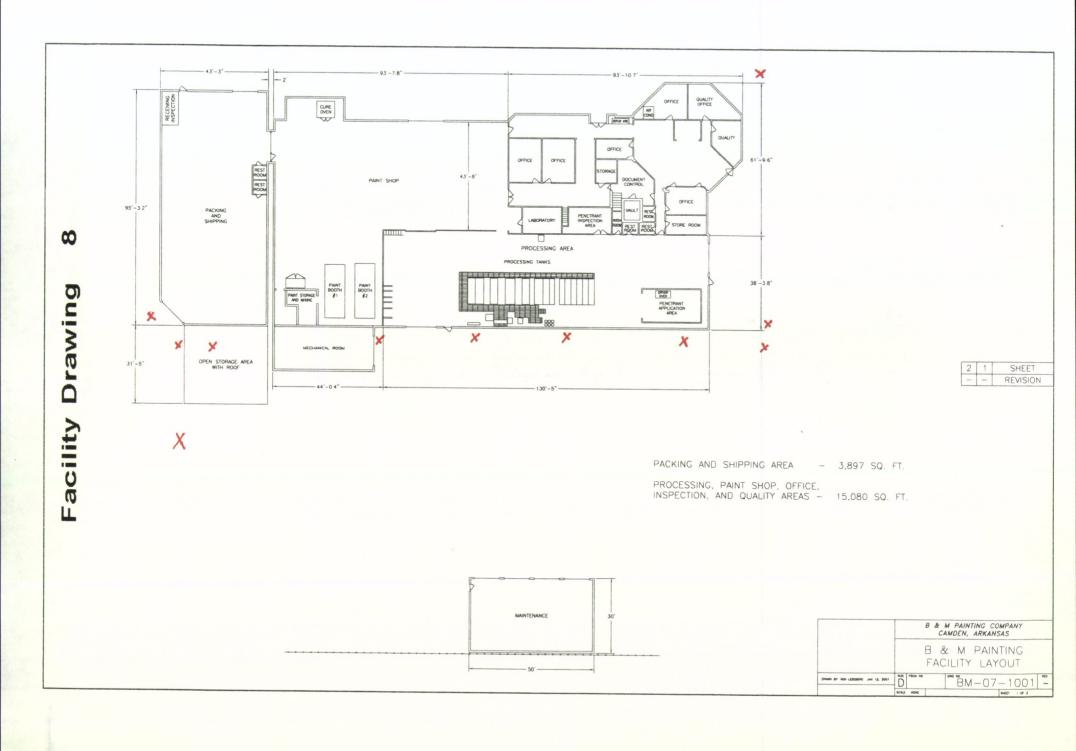


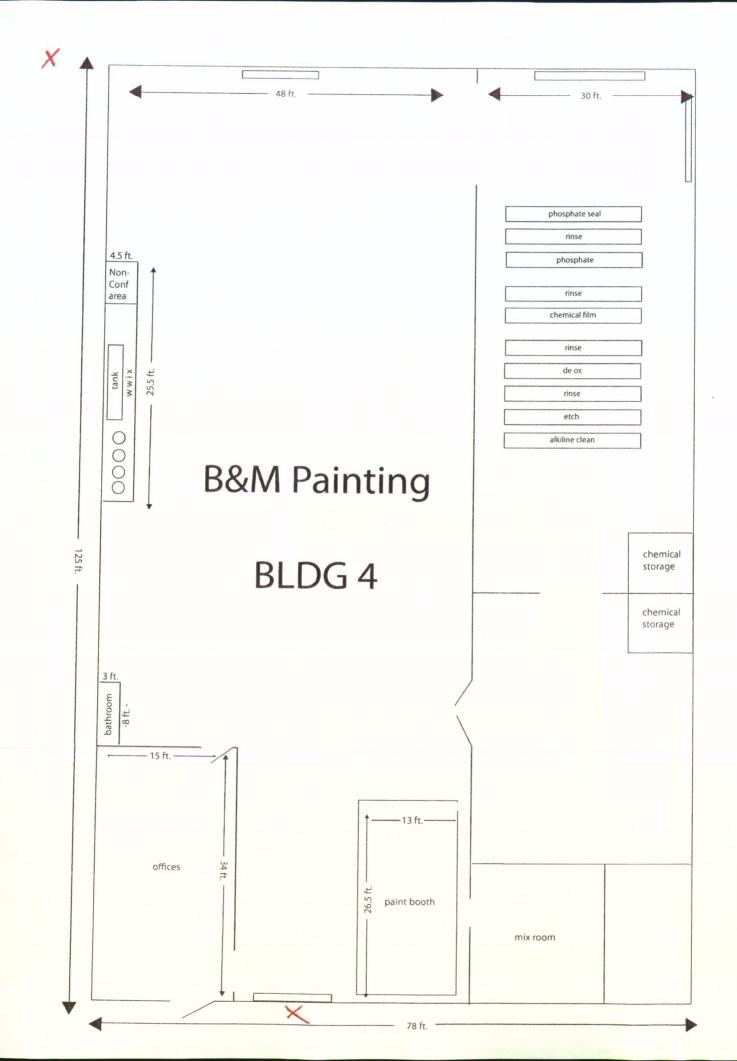


B & M PAINTING FACILITY LAYOUT

BM-07-1001 -







## Description of Facilities and Chemical Uses

## A. Process Description

B & M Painting Company chemically processes a wide array of military and aerospace industry parts (primarily aluminum) for furtherance of customers' manufacturing process, i.e., etched, passivated, anodized, chem. filmed, painted, etc. There are numerous chemical baths involved in this process including strong alkalis and acids.

### B. Identification of Toxic Organic Chemicals

BMP has "no" TTO- listed chemicals in their waste streams discharged to POTW.

C. Inventory of Toxic Organics

None

D. Methods of Disposal

N/A

E. Leak and/or Accidental-Discharge of Toxic Organics Prevention Controls:

Any and all chemical solutions used at BMP (for either process or ancillary processes) are submitted for approval through Chemical Manager, Quality Manager, and/or EPA approved lab prior to being brought on BMP premises.

Outfalls (#1 and #2) for BMP are marked clearly with safety signs (POTW Outfall 1....and.....POTW Outfall 2) to ensure proper discharge management.

Additionally, all chemical storage and process areas have containment barriers that are from 9 to 20 inches in height and made of acid resistant composites.

As an additional engineering control, any and all overflows are directed through a coalescing weir and subsequently piped direct to POTW holding reservoir.....then, through WWIX and out to city sewer.

Finally, HAZMAT and WW stream management/handling training is provided to pertinent process and lab personnel.

Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation (or 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 wastewater 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 the permitting authority.

Name & Title of Repres	entative: Deaver	Eral /	CHEMICAL	MGR.
Signature of Represent	ative:	<u></u>		<del></del> .
Date of Signature:	9-4-09			

B & M Painting Co., Inc.
Denver Ezell – Chem. Mgr.
347 Van Buren St.
Camden, AR 71701



return receipt requested

ADEQ (Water Div.)
ATTN: Rufus Torrence
5301 Northshore Dr.
N. Little Rock, AR 72118

