

Wilson, Tabatha

From: Gilliam, Allen
Sent: Tuesday, August 19, 2014 11:07 AM
To: mtidwell@bmpaint.com; tpayne@bmpaint.com; bmac@bmpaint.com
Cc: Fuller, Kim; Wilson, Tabatha; davidrcamdenh2o@cablelynx.com
Subject: AR0022365_B&M Painting ARP001058 Flow Schematics and Description of Operations with ADEQ reply_20140818
Attachments: Disc of operation.doc; Tank Description Bldg 1.docx; Tank Description Bldg 4.docx; Tank layout Bldg 1.xlsx; Tank layout Bldg 4.xlsx

Thanks Michael,

The attached description of B&M's processes and separate flow schematics for its two (2) building's processes are adequate to meet the baseline monitoring report elements required in 40 CFR 403.12(b).

If there are further questions regarding the separation of the processes from just the one process description sheet, this office will advise, but it appears to be self-explanatory coupled with the tanks' layout for Buildings #1 and #4.

Thank you for your cooperation and time providing these documents.

Sincerely,

Allen Gilliam
ADEQ State Pretreatment Coordinator
501.682.0625

ec: David Richardson, City of Camden, General Manager

E/NPDES/NPDES/Pretreatment/Reports

From: Michael L. Tidwell [<mailto:mtidwell@bmpaint.com>]
Sent: Thursday, August 14, 2014 11:50 AM
To: Gilliam, Allen
Subject: B&M Painting Semi Annual Report(2), Flow Schematic(2), Description of Operations, American Interplex Results

Mr. Gilliam,

Please let me know if you need and changes or if you have any questions.

Thank You,
Michael L. Tidwell
Office Manager
B&M Painting Co., Inc.
Phone: 870.836.3388
Fax: 870.836.3399

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B&M PAINTING CO., INC.

347 Van Buren
Camden, Arkansas 71701
(870) 836-3388

Date: 8-14-2014

Ref: Description of Operations

Conversion & Anodizing Process

The processes are generally described as: alkaline clean; water rinse; alkaline etching/rinsing; deoxider/desmut; rinse; sulfuric anodizing; rinse in de-I water. Two dye tanks are available at this point if coloring is required and all are nickel acetate sealed. Final rinse is in de-I water. Chromic acid anodize; spray rinse; dilute chromate seal. Boric-Sulfuric acid anodize; spray rinse; dilute chromate seal. Chromate Conversion; rinse water. Some of the tanks are heated and air agitated, some are not. All other chrome process tanks have no drain and are pumped in shippable waste-water totes when bath is spent. Only chrome rinses are flowed to the Waste-Water Ion Exchange (WWIX) reservoir. Following WWIX flow, at sample point the effluent is tested twice weekly to ensure compliance of NMT 3 ppm going to POTW.

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BLDG # 1 – POTW # 1 - PROCESS TANKS 1-15

TANK # 1

Name: IMMERSION CLEANER (ALKALINE BASED, CAUSTIC FREE)
Volume (gal): 561
Temp: 130
Agitation: Air
Flow Pattern: None
WWT: POTW

TANK # 2

Name: IMMERSION CLEANER RINSE
Volume (gal): 561
Temp: ambient
Agitation: Air
Flow Pattern: to POTW
WWT: POTW

TANK # 3

Name: ETCHANT BATH (CAUSTIC)
Volume (gal): 561
Temp: 100
Agitation: Air
Flow Pattern: none
WWT: POTW

TANK # 4

Name: ETCHANT RINSE
Volume (gal): 561
Temp: ambient
Agitation: Air
Flow Pattern: to POTW
WWT: POTW

TANK # 5

Name: DEOXIDIZING BATH (Cr, Nitric Acid based)
Volume (gal): 561
Temp: 75
Agitation: Air
Flow Pattern: None, Totes
WWT: Hazardous Waste

TANK # 6

Name: DEOXIDIZER RINSE
Volume (gal): 561
Temp: ambient
Agitation: Air
Flow Pattern: to reservoir, (Ion) WWX
WWT: POTW

TANK # 7

Name: IMMERSION COATING BATH (Cr Acid based)
Volume (gal): 561
Temp: 90
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

TANK # 8

Name: IMMERSION COATING RINSE
Volume (gal): 561
Temp: ambient
Agitation: Air
Flow Pattern: to reservoir, (Ion) WWX
WWT: POTW

TANK # 9

Name: IMMERSION SEAL BATH (Cr based)
Volume (gal): 822
Temp: 195
Agitation: Air
Flow Pattern: to reservoir, (Ion) WWX
WWT: POTW

TANK # 10

Name: IMMERSION SEAL BATH (Cr Acid based)
Volume (gal): 910
Temp: 90
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

TANK # 11

Name: SPRAY RINSE for tanks 9 & 10 (Cr, Acid based)
Volume (gal): 1097
Temp: ambient
Agitation: none
Flow Pattern: to reservoir, (Ion) WWX
WWT: POTW

TANK # 12

Name: IMMERSION SULFURIC SEAL BATH (Sulfuric Acid based)
Volume (gal): 860
Temp: 70
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

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BLDG # 1 – POTW # 1 - PROCESS TANKS 1-15

TANK # 13

Name: RED & BLACK DYE
Volume (gal): 140 EACH
Temp: 140
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste
Name: IMMERSION
SEAL/DYE (Ni based)
Volume (gal): 140
Temp: 180
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

TANK # 14

Name: IMMERSION SEAL (Boric,
Sulfuric acid based)
Volume (gal): 822
Temp: 80
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

TANK # 15

Name: HOT DI SEAL BATH
Volume (gal): 956
Temp: 200
Agitation: Air
Flow Pattern: cooled, then
POTW
WWT: POTW

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BLDG # 4 – POTW # 2 PROCESS TANKS 1-10

TANK # 1

Name: IMMERSION
CLEANER
Volume (gal): 1279
Temp: 120
Agitation: Air
Flow Pattern: to POTW
WWT: POTW

TANK # 2

Name: ETCH BATH (Caustic)
Volume (gal): 1279
Temp: 90
Agitation: Air
Flow Pattern: to POTW
WWT: POTW

TANK # 3

Name: IMMERSION RINSE
Volume (gal): 1279
Temp: ambient
Agitation: Air
Flow Pattern: to POTW
WWT: POTW

TANK # 4

Name: DEOXIDIZING BATH
(Cr, Nitric Acid based)
Volume (gal): 1279
Temp: 80
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

TANK # 5

Name: DEOXIDIZING RINSE
Volume (gal): 1279
Temp: ambient
Agitation: Air
Flow Pattern: to reservoir, (Ion)
WWX
WWT: POTW

TANK # 6

Name: IMMERSION COATING
BATH (Cr based)
Volume (gal): 1279
Temp: 85
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

TANK # 7

Name: IMMERSION
COATING BATH RINSE
Volume (gal): 1279
Temp: ambient
Agitation: Air
Flow Pattern: to reservoir,
(Ion) WWX
WWT: POTW

TANK # 8

Name: IMMERSION LIQUID
PHOSPHATE BATH (Zn based)
Volume (gal): 1279
Temp: 130
Agitation: Air
Flow Pattern: none, totes
WWT: Hazardous Waste

TANK # 9

Name: SPRAY RINSE
Volume (gal): 1279
Temp: ambient
Agitation: none
Flow Pattern: to reservoir,
(Ion) WWX
WWT: POTW

TANK # 10

Name: IMMERSION SEAL (Cr
acid & P based)
Volume (gal): 1279
Temp: 120
Agitation: Air
Flow Pattern: to reservoir,
(Ion) WWX
WWT: POTW



