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ADDENDUM #7
May 9, 2022

TO: ALL MANDATORY Pre-Bid Meeting Attendees
PROJECT NAME: Contract 76 B.1-Biological Foul Air Mitigation System-Construction-Rebid
BID REFERENCE #: 91359-003.0
BID DUE/OPENING DATE: **May 24, 2022 @ 3:30 p.m. Local Time**

The purpose of this addendum is to clarify and/or modify the Bid Items, Drawings and/or Specifications for this project. All work affected is subject to all applicable terms and conditions of the Bidding and Contract Documents.

1. **NOTE:** **NEW BID DUE/OPENING DATE/TIME: Tuesday, May 24, 2022 @ 3:30 p.m. Local Time.**
2. **RESPONSE TO QUESTIONS** provided by Jones & Henry Engineers, LTD in document dated 5/9/2022 (*Addendum #7, Attachment A*)

The Addendum can be viewed and downloaded from the City's website at <https://www.kalamazoocity.org/bidopportunities>.

In order for a bid to be responsive, this addendum must be returned, signed and dated, with your bid. If you have already submitted your bid, acknowledge receipt and acceptance of this addendum by signing in the place provided and returning it to the undersigned and it shall be incorporated in your bid. Please identify your return envelope with the bid reference number and project description.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Michelle Emig'.

Michelle Emig
Purchasing Division Manager

c: Ryan Stoughton, Public Services
Chris Nelson, Public Services
James Cornell, Public Services
Prevailing Wage File

FIRM: _____

SIGNED: _____

NAME: _____

DATE: _____

(Type or Print)



ADDENDUM #7

Attachment A

***5/9/2022 Document
Response to Questions***

**Contract 76 B.1-Biological Foul Air Mitigation
System-Construction-Rebid**

91359-003.0



City of Kalamazoo
KWRP Biofiltration
017-7725.001

5/9/2022

1. Remove Specification Section 03300, Part 4, 4.01 Crystalline Waterproofing Additive
2. Cast in Place concrete construction of foul air conveyance duct infrastructure may be used in lieu of Precast Concrete [Box] Culvert construction for the foul air duct culvert, or previous addendum approved shape, in lieu of pre-cast concrete construction. If Cast in Place construction of foul air conveyance duct infrastructure is chosen, then, including but not limited to; the duct shape to accommodate site constraints, both existing and design proposed, and it's ability to convey the basis of design air flow rate at the basis of design headloss; the concrete mix design, including but not limited to, specified add mixtures in Specification Section 02561; the reinforcement design to meet the design loads specified in Specification Section 02561; and equivalent joint water stop design to meet Specification Section 02561 shall be the responsibility of the Contractor to be approved by the Engineer and Owner.
3. Add to Specification Section 09900, Part 4, 4.03 the following Biofilter Protective Coatings

4.03 BIOFILTER PROTECTIVE COATINGS

- A. All interior concrete surfaces including slabs, walls, media support structures, plenums, humidification chambers, etc receive a protective coating following concrete curing.
- B. Protective coating shall be highly resistant to Hydrogen Sulfide and Sulfuric Acid.
- C. Protective coating shall be Tnemec 434 Permashield, Carboline Semstone 145, or engineer approved equal. Coatings shall be installed per manufacturers recommendations.
 1. Tnemec 434 Permashield shall include Series 201 primer and 125 mils 434 Permashield
 2. Carboline Semstone 145 coating system shall include 125 mils Semstone 145 APCR coating system per manufacturer recommendations.
- D. Concrete surfaces shall be fully cured prior to placement of coating.
- E. Concrete shall be finished offgassing prior to commencing coating operations. Completion of offgassing shall be verified by plastic sheet test.
 1. Contractor shall perform a minimum of 3 plastic sheet tests per biofilter section to ensure surface preparation.
- F. Coating manufacturer shall be responsible for approving surface preparation prior to coating.
 1. Approval shall be given in writing by an appointed manufacturer's representative.
- G. Protective coatings installation shall be warrantied for a period of not less than 5 years and shall cover failures of the coating material due to material defects and/or installation.

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4. Add to Specification Section 09900, Part 4, 4.04 the following Coating Schedule:

4.04 COATING SCHEDULE

- A. The following coating schedules is not guaranteed to be complete. The coating systems manufacturers are listed in no particular order, any of the four listed systems, or equal may be used.

Wastewater					
		Carboline	Tnemec	AkzoNobel (International, Devoe, Glidden Professional)	PPG
A.	Ferrous metals, except galvanized or stainless steel, submerged or partially submerged in wastewater or non-submerged exposed to splash or spill, including all tank mechanisms and tank mechanism support structures; clips, beams, and walkway supports; pipes, valves, sluice gates, scum baffles, and weirs:				
	Surface Preparation:	SSPC-SP 10 (NACE 2) Near White Blast Cleaning with a 1.5-2.0 mil Profile	SSPC-SP 10 (NACE 2) Near White Blast Cleaning with a 2.0 mil Profile	SSPC-SP 10 (NACE 2) Near White Blast Cleaning with a 1.5-2.0 mils Profile	SSPC-SP 10 (NACE 2) Near White Blast Cleaning with a 1.5-2.0 mils Profile
	Primer:	1 coat, Carboguard 890 (4.0-6.0 mils DFT)	1 coat, N140 Pota-Pox Plus (DFT 3.0-5.0 mils).	N/A	1 coat PPG Amerlock2/400 4.0-6.0 mils DFT
	Field Finish:	2 coats, Bitumastic 300m (8.0-16.0 DFT per coat)	2 coats, 46H-413 HB Tnemec-Tar, (DFT 8.0-10.0 mils per coat).	N/A	2 coats PPG Amercoat 78HB applied to a DFT 8.0-10.0 mils DFT per coat
B.	Concrete walls, columns, beams, etc. in contact with potable water or water being treated for potable use:				
	Surface Preparation:	SSPC-SP 13 (NACE 6) Remove surface contaminants per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry	SSPC-SP 13 (NACE 6) Remove surface contaminants per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry	SSPC-SP 13 (NACE 6) Remove surface contaminants per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry	SSPC-SP 13 (NACE 6) Remove surface contaminants per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry

Wastewater					
		Carboline	Tnemec	AkzoNobel (International, Devoe, Glidden Professional)	PPG
	Filler:	Fill bugholes with Carboguard 501/510	215 Surfacing Epoxy or 218 MortarClad	Fill bugholes with Devran 133/Cabo-Sil M-5 (DFT up to 80.0 mils)	PPG Amercoat 114A
	Primer:	1 coat, Carboguard 61 (DFT 4.0-6.0 mils)	1 coat, N140 Pota-Pox Plus (DFT 4.0-6.0 mils).	1 coat, Bar-Rust 233 H (DFT 4.0-6.0 mils)	PPG Amerlock 2 4.0-6.0mils DFT
	Final:	2 coats, Carboguard 61 (DFT 4.0-6.0 mils per coat)	1 coat, N140 Pota-Pox Plus (DFT 4.0-6.0 mils)	1 coat, Bar-Rust 233 H (DFT 4.0-6.0 mils)	2 coats PPG Amerlock 2 4.0-6.0 mils DFT per coat
C.	Exterior nongalvanized, ferrous metal surfaces, not submerged:				
	1. Subject to splash or spills or atmospheric:				
	Surface Preparation:	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5- 2.0 mils	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils
	Primer:	1 coat, Carbozinc 859 (3.0-5.0 mils DFT)	1 coat, 90-97 Tneme-Zinc, (DFT 2.5-3.5 mils).	1 coat, CathaCoat 313 (DFT 2.0-4.0 mils)	1 coat PPG Amercoat 68MCZ 2.0-4.0 mils DFT
	Intermediate:	1 coat, Carboguard 60 (4.0-6.0 mils DFT)	1 coat, 27 Typoxy, (DFT 2.5-4.0 mils).	1 coat, Devran 224HS (DFT 4.0-8.0 mils)	1 coat PPG Amercoat 370 4.0-6.0 mils DFT
	Final:	1 coat, Carbothane 134HG (2.0-2.5 mils DFT)	1 coat, 72/73 Endura-Shield (DFT 2.5-5.0 mils).	1 coat, Devthane 359 (DFT 3.0-5.0 mils)	1 coat PPG Amercoat 450H 3.0-5.0 mils DFT
D.	Interior wall surfaces of masonry block construction and precast concrete walls and ceiling surfaces:				
	1. Concrete Masonry Block (CMU and AMU)				
	Surface Preparation:	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete), and ASTM D4261 (Block). Masonry shall be moisture free.	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete), and ASTM D4261 (Block). Masonry shall be moisture free.	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete), and ASTM D4261 (Block). Masonry shall be moisture free.	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete), and ASTM D4261 (Block). Masonry shall be moisture free.
	Sealer/Surfacers:	1 coat, Sanitile 100 (5.0-20.0 mils DFT) depending on porosity must be pin hole free prior to applying	1 coat, 130 Envirofill (DFT 10.0-15.0 mils).	1 coat, Tru-Glaze-WB 4015 (DFT 9.0-11.0 mils)	1 coat PPG Amerlock 400BF 10-20 mils DFT

Wastewater					
		Carboline	Tnemec	AkzoNobel (International, Devoe, Glidden Professional)	PPG
	Finish:	2 coats, Carboguard 60 (DFT 4.0-6.0 mils per coat)	2 coats, N69 H.B. Epoxoline II (DFT 4.0-6.0 mils per coat).	2 coat, Devran 224HS (DFT 4.0-6.0 mils per coat)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT per coat
	2. Pre-Cast Concrete				
	Surface Preparation:	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry.	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry.	SSPC-SP 13 (NACE 6) D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry.	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If moisture is detected, retest until dry.
	Filler:	Fill bug holes with Carboguard 501/510	Fill bug holes with 215 surfacing epoxy or 218 MortarClad	Fill bug holes with Devfil 145 (DFT 16.0-22.0 mils)	PPG Amercoat 114A
	Finish:	2 coats, Carboguard 60 (DFT 4.0-6.0 mils per coat)	2 coats, N69 H.B. Epoxoline II (DFT 4.0-6.0 mils per coat).	2 coats, Devran 224HS (DFT 4.0-6.0 mils per coat)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT per coat
E.	Interior concrete walls, columns, beams, and ceilings; concrete curbs; concrete bases for machinery and equipment; etc.:				
	Surface Preparation:	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If	SSPC-SP 13 (NACE 6) Remove surface contaminates per ASTM D4258 (Concrete). Abrade precast concrete, if recommended by coating manufacturer, per ASTM D4259. ASTM D4263 (plastic sheet test method) to ensure concrete is moisture free. If

Wastewater					
		Carboline	Tnemec	AkzoNobel (International, Devco, Glidden Professional)	PPG
		moisture is detected, retest until dry.	moisture is detected, retest until dry.	moisture is detected, retest until dry.	moisture is detected, retest until dry.
	Filler:	Fill bugholes with Carboguard 501/510	Fill bugholes with 215 Surfacing Epoxy or 218 MortarClad	Fill bug holes with Devfil 145 (16.0-22.0 mils DFT)	PPG Amercoat 114A
	Primer:	1 coat, Carboguard 60 (DFT 4.0-6.0 mils)	1 coat, 27 Typoxy (DFT 2.5-4.0 mils).	1 coat, Devran 224HS (DFT 4.0-8.0 mils)	1 coat 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT
	Final:	2 coats, Carboguard 60 (DFT 4.0-6.0 mils)	2 coats, N69 H.B. Epoxoline II (DFT 4.0-6.0 mils).	2 coats, Devran 224 HS (DFT 4.0-6.0 mils per coat)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT per coat
F.	Interior, nongalvanized, ferrous metal surfaces of items such as pipe; machinery, equipment; doors and door frames; rolling doors; exposed ductwork; hoppers, chutes, pipe supports, trays, and hangers; walkway platforms; stairs; structural members; floor frames and covers; miscellaneous metal tanks shall be finished as follows:				
	Surface Preparation:	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils.	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils.	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5 to 2.0 mils.	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5 to 2.0 mils.
	Primer:	1 coat, Carboguard 60 (DFT 4.0-6.0 mils)	1 coat, 27 Typoxy (DFT 2.0-4.0 mils).	1 coat, Devran 201H (DFT 2.0-3.0 mils)	1 coat 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT
	Finish:	2 coats, Carboguard 60 (DFT 4.0-6.0 mils per coat)	2 coats, N69 H.B. Epoxoline II, or equal (DFT 4.0-6.0 mils per coat).	2 coats, Devran 224 HS (DFT 4.0-6.0 mils per coat)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT per coat
G.	Ferrous metal surfaces of all chemical pipe supporting trays throughout the project and ferrous metal surfaces of items in chemical rooms such as pipes, machinery, equipment, doors, ductwork, hoppers, walkways, and stairs, but not structural wall panels and roof joists, shall be finished as follows:				
	Surface Preparation:	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils.	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils.	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils.	SSPC-SP 6 (NACE 3) Commercial Blast Cleaning, surface profile 1.5-2.0 mils.
	Primer:	1 coat, Carboguard 60 (4.0-6.0 mils DFT)	1 coat, 27 Typoxy, or equal (DFT 2.0-4.0 mils).	1 coat, Devran 201H (DFT 2.0-3.0 mils)	1 coat 97-245 PPG DTR Epoxy 4.0-6.0 mils DFT
	Finish:	2 coats, Carboguard 890 (4.0-6.0 mils DFT)	2 coats, N69 H.B. Epoxoline II (DFT 4.0-6.0 mils per coat).	2 coats, Devran 224 HS (DFT 4.0-6.0 mils per coat)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT per coat
H.	Galvanized ferrous, aluminum, copper, fiber reinforced plastic or other plastic piping and conduits located inside buildings requiring color coding:				

Wastewater					
		Carboline	Tnemec	AkzoNobel (International, Devco, Glidden Professional)	PPG
1.	Aluminum and Copper:				
	Surface Preparation:	SSPC-SP 16 - Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals	SSPC-SP 16 - Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals	SSPC-SP 16 - Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals	SSPC-SP 16 - Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals
	Primer:	N/A	1 coat, 27 Typoxy, or equal (DFT 2.0-4.0 mils).	1 coat, Devran 201H (DFT 2.0-3.0 mils)	N/A
	Finish:	2 coats, Carboguard 60 (DFT 4.0-6.0 mils per coat)	1 coat, N69 H.B. Epoxoline II (DFT 4.0-6.0 mils per coat).	1 coat, Devran 224 HS (DFT 4.0-6.0 mils)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT per coat
2.	Galvanized Metal:				
	Surface Preparation:	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals
	Primer:	None	1 coat, 27 Typoxy, or equal (DFT 2.0-4.0 mils).	1 coat, Devran 201H (DFT 2.0-3.0 mils)	None
	Finish:	2 coats, Carboguard 60 (DFT 4.0-6.0 mils per coat)	1 coat, N69 H.B. Epoxoline II (DFT 4.0-6.0 mils per coat).	1 coat, Devran 224HS (DFT 4.0-6.0 mils)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT
3.	FRP, PVC, CPVC, and Other Plastics:				
	Surface Preparation:	Scuff sand to uniformly roughen surface	Scuff sand to uniformly roughen surface	Scuff sand to uniformly roughen surface	Scuff sand to uniformly roughen surface
	Primer:	None	1 coat, 27 Typoxy, or equal (DFT 2.0-4.0 mils).	1 coat, Devran 201H (DFT 2.0-3.0 mils)	None
	Finish:	2 coats, Carboguard 60 (DFT 4.0-6.0 mils per coat)	1 coat, N69 H.B. Epoxoline II (DFT 4.0-6.0 mils per coat).	1 coat, Devran 224 HS (DFT 4.0-6.0 mils)	2 coats 95-245 PPG DTR Epoxy 4.0-6.0 mils DFT per coat
I.	Exterior piping requiring color coding and made of galvanized ferrous, aluminum, fiberglass reinforced plastic, or other plastic and all exterior fiberglass reinforced plastic piping and galvanized conduit:				

Wastewater					
		Carboline	Tnemec	AkzoNobel (International, Devoe, Glidden Professional)	PPG
	Surface Preparation:	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals	SSPC SP 16 "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-ferrous Metals
	Surface Preparation: FRP and Other Plastics:	Scuff sand to roughen surface	Scuff sand to roughen surface	Scuff sand to roughen surface	Scuff sand to roughen surface
	Primer:	1 coat, Carboguard 60 (4.0-6.0 mils DFT)	1 coat, 27 Typoxy, or equal (DFT 2.0-3.0 mils).	1 coat Devran 201H (DFT 2.0-3.0 mils)	1 coat PPG Amercoat 370 4.0-6.0 mils DFT
	Finish:	2 coats, Carbethane 134 HG (DFT 4.0-6.0 mils per coat)	1 coat, 72/73 Endura-Shield (DFT 2.0-4.0 mils).	1 coat, Devthane 359 (DFT 2.0-4.0 mils)	1 coat PPG Amercoat 450 H3.0-5.0 mils DFT
J.	Exterior wall surfaces of masonry block construction (Not previously Coated):				
	Not Used				
K.	Interior and exterior wood surfaces such as soffits and trim:				
	Surface Preparation:	Surface must be clean and dry. Sand rough areas and fill knots and voids	Surface must be clean and dry. Sand rough areas and fill knots and voids	Surface must be clean and dry. Sand rough areas and fill knots and voids	Surface must be clean and dry. Sand rough areas and fill knots and voids
	Primer:	1 coat, Sanitile 120 (DFT 2.0-3.0 mils)	1 coat, 10-99W Tnemec Primer (DFT 2.0-3.0 mils)	Exterior: 1 coat, Hydrosealer 6001 (DFT 1.4-1.7 mils); Interior: 1 coat, Gripper 3210 (DFT 1.8-2.1 mils)	1 coat, PPG Pro Block 17-931Int/Ext Latex Primer Sealer. DFT 1.8-2.2 mils
	Finish:	2 coats, Carbocrylic 3359 (DFT 2.0-3.0 mils DFT per coat)	2 coats, 1028/1029 Enduratone (DFT 2.0-3.0 mils per coat)	2 coats, Lifemaster Oil Semi-Gloss 1506 Lifemaster Oil Semi-Gloss (DFT 2.0-3.0 mils per coat)	2 coats, PPG Acrylic Metal Finish 7-374, (DFT 1.5-2.0 mils per coat) or 2 coats PPG 90-474 Pitt Tech DTM Acrylic Satin (2.0-4.0 mils per coat)
L.	Plaster or drywall finished walls and ceilings:				
	Not Used				
M.	Exposed pipe insulation				

Wastewater					
		Carboline	Tnemec	AkzoNobel (International, Devoe, Glidden Professional)	PPG
	Surface Preparation:	Surface must be clean and dry, no contamination.	Surface must be clean and dry, no contamination.	Surface must be clean and dry, no contamination.	Surface must be clean and dry, no contamination.
	Finish:	2 coats, Carbocrylic 3359 (DFT 2.0-3.0 mils per coat)	2 coats, 6 Tneme-Cryl (DFT 2.0-3.0 mils)	2 coats, Devflex 4020 PF (DFT 2.0-3.0 mils per coat)	2 coat, PPG Acrylic Metal Finish 7-374, (DFT 1.5-2.0 mils per coat) or 2 coats PPG 90-474 Pitt Tech DTM Acrylic Satin (2.0-4.0 mils per coat)
N.	Stained finish carpentry:				
	Not Used				

END OF SECTION