Attachment 3: Photograph Log

Sampling Date(s): 17-18 JULY 2018
Poly-Metal Finishing IU inspection – Springfield, MA

Photo#	EPAID	Description
1	Poly 7-17-18 001	View of the positioning of the sampling strainer in the pretreatment system effluent channel.
2	Poly 7-17-18 002	View of the positioning of the sampling strainer in the pretreatment system effluent channel.
3	Poly 7-17-18 003	View of the positioning of the sampling strainer in the pretreatment system effluent channel.
4	Poly 7-17-18 004	View of the pretreatment system effluent channel. ***Possible flow surge in channel***.
5	Poly 7-17-18 005	Close-up of effluent flow meter digital display (10:35 a.m.), ***totalizer at 4298765***
6	Poly 7-17-18 006	Inspector O'Connell's watch face for time reference (bad photo).
7	Poly 7-17-18 007	Inspector O'Connell's watch face for time reference (blurry photo).
8	Poly 7-17-18 008	Inspector O'Connell's watch face for time reference (10:36 a.m.).
9	Poly 7-17-18 009	Close-up of flow meter digital display.
10	Poly 7-17-18 010	Overview of "A Line" tanks
11	Poly 7-17-18 011	Overview of "A Line" tanks
12	Poly 7-17-18 012	Secondary containment under "A Line" tanks
13	Poly 7-17-18 013	PVC lines supporting "Aline" tanks. Tank discharges are hard piped to sump for pumping to pretreatment system.
14	Poly 7-17-18 014	Interior of an empty process tank showing PVC supply lines and effluent trough weir.
15	Poly 7-17-18 015	PVC line draining process tank effluent trough.
16	Poly 7-17-18 016	PVC effluent line draining "A Line" process tanks to one of the pretreatment system sump.
17	Poly 7-17-18 017	The "A Line" pretreatment system sump
18	Poly 7-17-18 018	Overview of "B Line" tanks

19	Poly 7-17-18 019	Inspector Note
20	Poly 7-17-18 020	Overview of “B Line” tanks
21	Poly 7-17-18 021	Overview of “B Line” crane and rail system
22	Poly 7-17-18 022	Example of a “B Line” discharge line to the sump system
23	Poly 7-17-18 023	Example of a “B Line” discharge line to the sump system
24	Poly 7-17-18 024	Example of a “B Line” discharge line to the sump system
25	Poly 7-17-18 025	Absorbent pads for ‘drag out’ carry-over
26	Poly 7-17-18 026	Inspector Note
27	Poly 7-17-18 027	Inspector O’Connell’s watch face for time reference
28	Poly 7-17-18 028	Overview of “D Line” tanks
29	Poly 7-17-18 029	“D Line” drum 13D 50% Nitric Acid
30	Poly 7-17-18 030	Overview of “D Line” tanks
31	Poly 7-17-18 031	The “D Line” pretreatment system sump
32	Poly 7-17-18 032	Inspector Note
33	Poly 7-17-18 033	Overview of “C Line” tanks
34	Poly 7-17-18 034	Overview of “C Line” tanks and signage
35	Poly 7-17-18 035	Conductivity control for tank 12C
36	Poly 7-17-18 036	“C Line” rinse water collection tank
37	Poly 7-17-18 037	Digital controllers for “C Line” tanks 5 and 6
38	Poly 7-17-18 038	Conductivity control for tank 3C

39	Poly 7-17-18 039	Conductivity control for tank 18E
40	Poly 7-17-18 040	The “C Line” pretreatment system sump
41	Poly 7-17-18 041	The “C Line” pretreatment system sump
42	Poly 7-17-18 042	“G Line” untreated wastewater tank
43	Poly 7-17-18 043	“G Line” untreated wastewater pump to the pretreatment system
44	Poly 7-17-18 044	Soft metals sand blaster signage
45	Poly 7-17-18 045	Soft metals sand blaster
46	Poly 7-17-18 046	Soft metals sand blaster
47	Poly 7-17-18 047	Hard metals sand blaster signage
48	Poly 7-17-18 048	Pretreatment system sump adjacent to sand blaster units
49	Poly 7-17-18 049	Pretreatment system sump adjacent to sand blaster units
50	Poly 7-17-18 050	Inspector Note
51	Poly 7-17-18 051	Inspector O’Connell’s watch face for time reference
52	Poly 7-17-18 052	Overview of “E Line” tanks
53	Poly 7-17-18 053	“E Line” tank 16E
54	Poly 7-17-18 054	“E Line” sump to the pretreatment system
55	Poly 7-17-18 055	Inspector Note
56	Poly 7-17-18 056	Inspector O’Connell’s watch face for time reference
57	Poly 7-17-18 057	Pretreatment system chrome reduction tank 1T

58	Poly 7-17-18 058	Pretreatment system chrome reduction tank 1T
59	Poly 7-17-18 059	chrome reduction tank 1T mixer
60	Poly 7-17-18 060	Pretreatment system neutralization tank 2T
61	Poly 7-17-18 061	neutralization tank 2T mixer
62	Poly 7-17-18 062	Pretreatment system neutralization tank 2T
63	Poly 7-17-18 063	Pretreatment system clarifier
64	Poly 7-17-18 064	Pretreatment system clarifier chemical addition mixers
65	Poly 7-17-18 065	Pretreatment system process control screen, ***1T ORP and 2T pH were outside operational set points***
66	Poly 7-17-18 066	Pretreatment system control panel
67	Poly 7-17-18 067	Pretreatment system “catch” tank 4T
68	Poly 7-17-18 068	Pretreatment system “catch” tank 4T and sodium hydroxide tote used in treatment process
69	Poly 7-17-18 069	Pretreatment system pumps and lines
70	Poly 7-17-18 070	Pretreatment system pumps and lines
71	Poly 7-17-18 071	Waste sulfuric acid for treatment and sodium hydroxide tote used in treatment process
72	Poly 7-17-18 072	Final flow equalization tank, immediately upstream of sampling location
73	Poly 7-17-18 073	Final effluent trough
74	Poly 7-17-18 074	Bad/accidental photo
75	Poly 7-17-18 075	Interior of pretreatment system “catch” tank 4T
76	Poly 7-17-18 076	Inspector O’Connell’s watch face for time reference (bad photo).

77	Poly 7-17-18 077	Inspector O'Connell's watch face for time reference
78	Poly 7-17-18 078	Close-up of effluent flow meter digital display (1:39 p.m.), totalizer at 44303214, ***[4,449 gallons discharged between 10:35 a.m. and 1:39 p.m.]***
79	Poly 7-17-18 079	Close-up of effluent flow meter digital display (blurry photo)
80	Poly 7-17-18 080	Decommissioned pretreatment system sand filter
81	Poly 7-17-18 081	Decommissioned pretreatment system sand filter
82	Poly 7-17-18 082	Pretreatment system plate and frame filter press