

				Kokosing Industrial, Inc.		Newman Plumbing, Inc.		Wayne Crouse, Inc	
Project No.: 2017-322-101-8									
Project Name: Aspinwall WTP Filter Building Sodium Hypochlorite Improvements - General /Mechanical				\$1,276,250.00		\$1,786,862.00		\$1,451,260.00	
Items	Description	UOM	Est Qty	Unit Price	Extended Cost	Unit Price	Extended Cost	Unit Price	Extended Cost
U-1	Mobilization/Demobilization, Permits, Bonds and Insurances	LS	1	\$60,000.00	\$60,000.00	\$50,000.00	\$50,000.00	\$118,000.00	\$118,000.00
G-1	Erosion and Sedimentation Control	LS	1	\$10,000.00	\$10,000.00	\$3,500.00	\$3,500.00	\$3,300.00	\$3,300.00
G-2	Site Grading and Restoration	SY	300	\$15	\$4,500.00	\$110	\$33,000.00	\$57	\$17,100.00
G-3	Demolition	LS	1	\$35,000.00	\$35,000.00	\$50,000.00	\$50,000.00	\$18,700.00	\$18,700.00
G-4	Concrete Curb - Containment Area	LF	210	\$150	\$31,500.00	\$125	\$26,250.00	\$187	\$39,270.00
G-5	Concrete Curb - Fill Station Area	LF	140	\$100	\$14,000.00	\$83	\$11,620.00	\$59	\$8,260.00
G-6	Concrete Driveway	SY	250	\$300	\$75,000.00	\$270	\$67,500.00	\$160	\$40,000.00
G-7	Geotextile Fabric	SY	200	\$3	\$600	\$12	\$2,400.00	\$19	\$3,800.00
G-8	Trench Drain	LS	1	\$15,000.00	\$15,000.00	\$9,500.00	\$9,500.00	\$12,100.00	\$12,100.00
G-9	Crushed Stone Aggregate Base	CY	90	\$150	\$13,500.00	\$110	\$9,900.00	\$66	\$5,940.00
G-10	Concrete Sidewalk	SY	30	\$250	\$7,500.00	\$290	\$8,700.00	\$910	\$27,300.00
G-11	Concrete Steps - Exterior	LS	1	\$20,000.00	\$20,000.00	\$19,700.00	\$19,700.00	\$15,900.00	\$15,900.00
G-12	Concrete Equipment Pads and Steps - Interior	CY	15	\$3,000.00	\$45,000.00	\$2,340.00	\$35,100.00	\$3,800.00	\$57,000.00
G-13	Masonry Walls	LS	1	\$70,000.00	\$70,000.00	\$95,000.00	\$95,000.00	\$72,560.00	\$72,560.00
G-14	Metals	LS	1	\$40,000.00	\$40,000.00	\$18,000.00	\$18,000.00	\$22,800.00	\$22,800.00
G-15	Aluminum Railing	LF	55	\$200	\$11,000.00	\$150	\$8,250.00	\$250	\$13,750.00
G-16	Openings and Doors	LS	1	\$30,000.00	\$30,000.00	\$36,000.00	\$36,000.00	\$27,600.00	\$27,600.00
G-17	Protective Coatings- Containment Area	LS	1	\$60,000.00	\$60,000.00	\$75,000.00	\$75,000.00	\$154,350.00	\$154,350.00
G-18	Painting and Finishes	LS	1	\$180,000.00	\$180,000.00	\$100,000.00	\$100,000.00	\$57,750.00	\$57,750.00
G-19	Signage	LS	1	\$1,000.00	\$1,000.00	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00
G-20	Double - Wall Piping - Fill Lines	LF	400	\$70	\$28,000.00	\$110	\$44,000.00	\$108	\$43,200.00
G-21	Piping w/ Tubing - Feed Lines	LF	550	\$50	\$27,500.00	\$75	\$41,250.00	\$86	\$47,300.00
G-22	Single Wall Fill Piping	LF	175	\$50	\$8,750.00	\$70	\$12,250.00	\$120	\$21,000.00
G-23	Single Wall Feed Piping	LF	175	\$40	\$7,000.00	\$70	\$12,250.00	\$129	\$22,575.00
G-24	Tank Vent Piping	LF	240	\$85	\$20,400.00	\$85	\$20,400.00	\$142	\$34,080.00
G-25	Chemical Storage Tanks	EA	16	\$10,000.00	\$160,000.00	\$17,812.00	\$284,992.00	\$11,175.00	\$178,800.00
G-26	Spill Containment Tank	EA	1	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	\$1,100.00	\$1,100.00
G-27	Chemical Feed Pumping Equipment	EA	2	\$72,000.00	\$144,000.00	\$119,500.00	\$239,000.00	\$66,900.00	\$133,800.00
G-28	Mechanical Valves and Fittings	LS	1	\$140,000.00	\$140,000.00	\$107,100.00	\$107,100.00	\$67,900.00	\$67,900.00
G-29	Chlorine Residual Sampling Tap and Analyzer	LS	1	\$1,000.00	\$1,000.00	\$11,500.00	\$11,500.00	\$8,100.00	\$8,100.00
G-30	Chlorine Residual Analyzers	EA	2	\$500	\$1,000.00	\$19,500.00	\$39,000.00	\$8,050.00	\$16,100.00
G-31	Feed Line Leak Detection System	EA	7	\$1,000.00	\$7,000.00	\$2,100.00	\$14,700.00	\$3,575.00	\$25,025.00
G-32	Instrumentation for Pumps and Tanks	LS	1	\$1,000.00	\$1,000.00	\$288,000.00	\$288,000.00	\$129,800.00	\$129,800.00
G-33	Equipment Start-up Services, O&M Manuals	LS	1	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$3,000.00	\$3,000.00