

arsenic purification plant
equipment list

REVISED 1997

equipment number	description	capacity	\$ Can	comments
31-20-01	dust quench tank agitator		\$1,755	incl motor
31-21-01	u/g feed bin aeration blower	1200 cfm	\$32,760	pad air source
31-21-02	prod bin aeration blower		\$0	existing
31-22-01	crude feed bin conveyor	7.5 stph	\$74,880	tubular conveyor
31-22-02	roaster feed bin conveyor	4.5 stph	\$60,840	tubular conveyor
31-22-03	u/g mass weigh feeder	4.5 stph	\$37,557	
31-22-05	roaster screw feeder	1.5 stph	\$36,270	
	compactor day bin feed FK pump	2.0 stph		existing
31-22-08	compactor mixer screw feeder	1.5 stph	\$5,499	quote not confirmed
31-22-09	compactor mixer	1.5 stph	\$8,190	quote not confirmed
31-22-10	compactor screw feeder	1.5 stph	\$5,499	quote not confirmed
31-22-11	granular product conveyor	2.0 stph	\$32,760	screw conveyor
31-22-12	product silo conveyor	2.0 stph	\$74,000	bucket elevator
31-22-13	truck loading conveyor		\$0	existing
31-22-15	bin discharger		\$23,400	
31-22-16	bin discharger		\$14,040	
31-22-17	bin discharger		\$14,040	
31-23-01	u/g As storage bin	200 ton	\$119,340	60 deg cone
31-23-01A	aeration pads		\$3,510	set of four
31-23-05	roaster feed day bin	40 ton	\$35,100	
31-23-06	compactor surge bin	6.5 ton	\$8,190	
31-23-07	compactor mixer feed hopper		\$5,265	quote not confirmed
31-23-08	compactor feed hopper		\$5,265	quote not confirmed
31-23-09	packing bin	20 ton	\$17,550	
31-23-10	product silo	700 ton	\$0	existing
31-24-01	roaster feed rotary valve	1.5 stph	\$5,850	
31-24-02	u/g storage bin isolation valve		\$4,446	air operated
31-24-03	packing bin rotary valve	3.0 stph	\$5,850	
31-24-04	baghouse storage bin isolation valve		\$4,446	air operated
31-24-05	roaster day bin isolation valve		\$1,638	air operated
31-24-06	hot baghouse rotary valve	0.6 stph	\$5,850	
31-24-09	condenser fan damper		\$0	incl with 31-26-02
31-24-11	compactor surge bin valve		\$1,638	air operated
31-24-12	compactor product diverter	1.0 stph	\$2,925	air operated
31-24-13	packing bin isolation valve		\$1,638	air operated
31-26-01	feed area vent fan	2800 acfm	\$5,499	-9" wg
31-26-02	condenser air fan	6000 acfm	\$13,455	-4" wg
	booster fan	11,000 acfm	\$73,000	recent quote

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31-26-04	compaction area baghouse fan	1000 acfm	\$3,978	-9" wg
31-27-01	roaster hot gas generator	3600 acfm	\$55,000	5 psig, 800 deg C
31-28-01	wet feed dryer (Wyssemont)	7.5 stph	\$358,000	quote not confirmed
31-28-02	fluid bed reactor	1.5 stph	\$123,903	
31-28-03	compressed air dryer	100 cfm	\$0	incl with 31-32-02
31-30-01	overhead crane	5 ton	\$23,400	
31-32-02	utility air compressor	100 cfm	\$29,250	100 psig
31-34-01	granulated product screen	24" x 72"	\$28,000	Kason screen
31-37-01	dust tank slurry pump	15 usgpm	\$4,095	incl motor
31-37-02	sump pump	15 usgpm	\$2,223	
31-41-01	feed area baghouse	2800 acfm	\$0	existing
31-41-02	sintered metal filter	14,000 acfm	\$873,000	recent quote
31-41-04	cold (As) baghouse		\$0	existing
31-41-05	compaction area baghouse	1000 acfm	\$0	existing
31-41-07	vacuum cleaner package		\$6,435	
31-44-02	hot dust quench tank	370 us gal	\$1,404	covered
31-45-01	air compressor receiver	35 cu ft	\$0	incl with 31-32-02
31-47-01	roaster feed weightometer	1.5 stph	\$8,190	
31-47-02	compactor (Ferro-Tec)	1.5 stph	\$251,000	recent quote
31-47-03	granulator	1.5 stph	\$11,935	recent quote
31-47-04	drum packing line		\$175,500	
31-47-05	truck scale		\$0	existing
	total			
			\$2,697,258	