

Pennram Diversified Manufacturing Corporation



P.O. Box 695 Williamsport Pennsylvania 17703 0695 USA

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Plant Locations: 1315 West Third St., Williamsport, PA 17701
234 Park Dr., Montgomery, PA 17752

Proposal 223055-01

06 August 2024

City of Dillingham

141 Main Street (or P.O. Box 889)

Dillingham, Alaska 99576

Attn: Phil Baumgartner – Public Works Director via email: publicworks@dillinghamak.us

Re: Repairs of primary chamber refractory sections, and parts, for the Pennram Incinerator. repair completed with Pennram crew.

Dear Phil Baumgartner,

Following the inspection we are suggesting repairs to the primary chamber to include:

- Removal and recasting of the area around the access door, lower hearth, and ash chute area

The cost below, and on the next page is based also on placing wastes into a rolloff dumpster that the City would supply near the work site.

We expect the work could be completed with in 5-6 weeks of notice to proceed excluding major holidays. Refractory must be stored above 50°F for 7 days in advance of repairs. And refractory curing must be completed before exposure to freezing temperatures. Curing may start after 24 hours from casting. The incinerator will be off line for a day before arrival, ashes removed by the City, and will remain off line for approximately one week while work is completed. At completion the work room will be swept clean, with all work and demolition debris placed into the City supplied roll off dumpster. A forklift is needed on site to halve refractory and to remove the chamber access door. A motorized mixer is required and is listed below.

A breakdown of costs is listed below for a crew of two. Crew Man days are based on 10 hours @ \$95 for the record. Supervisor / Tech support is \$115/hr. Dillingham City to provide the crew a vehicle for use while on site.

Installation with 3 man crew, and one man curing crew	Quantity	Unit	Each	Cost
Refractory material estimate, excluding freight costs	7,700	lbs	\$1.26	\$9,702.00
Block insulation estimate	108	bd ft	\$3.05	\$329.40
Satanite 10 bags – 2 brushes -1 mixer (Customer Applied)	1	Lot	\$971.22	\$971.22

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Anchors 310 SS	40	each	\$16.80	\$672.00
Plywood, sheet metal, structural timber for forms	1	lot	\$650.00	\$650.00
New door gaskets and related hardware	18	ft	\$11.00	\$198.00
Gas powered Cement mixer, Honda engine, will be site property after job	1	each	\$4,900.00	\$4,900.00
Blower motor 10 hp 208-230/3/60 3450 rpm	1	each	\$2,534.00	\$2,534.00
Blower high pressure wheel	1	each	\$2,881.00	\$2,881.00
Limit switches with arms	2	each	\$180.00	\$360.00
cycle counter	1	each	\$95.00	\$95.00
ash conveyor chain assembly	1	each	\$26,274.30	\$26,274.30
Waste Oil Tank System With Skid Attached Air Compressor (See Waste Oil Tank Detail below)	1	Each	\$41,915.00	\$41,915.00
Mobilization and Travel to / from site	8	man/day	\$950.00	\$7,600.00
demolition work and door removal,	6	man/day	\$950.00	\$5,700.00
Shop fabricated forms and form work on site	4	man/day	\$950.00	\$3,800.00
form installation and casting	6	man/day	\$950.00	\$5,700.00
form removal, door installation	4	man/day	\$950.00	\$3,800.00
curing of refractory	2	man/day	\$950.00	\$1,900.00
Waste Oil Tank installation	6	Man/day	\$950.00	\$5,700.00
Freight to site of materials and equipment, estimated and billed at actual cost, 4x 48"W x 96" length x 72" height To Seattle	1	lot	\$6,900.00	\$6,900.00
Freight from Seattle to Dillingham - Northland, estimated and billed at actual	1	lot	\$3,544.00	\$3,544.00
Crate costs	1	lot	\$1,200.00	\$1,200.00
hotel & per diems	30	man/nt	\$375.00	\$11,250.00
airline tickets, estimated and billed at actual cost,	2	air fare	\$3,000.00	\$6,000.00
baggage fees	4	each	\$100.00	\$400.00
Supervisor / Tech Support travel	4	man/day	\$1,150.00	\$4,600.00
Supervisor Tech on site time	15	man/day	\$1,150.00	\$17,250.00
hotel & per diems	15	man/nt	\$375.00	\$5,625.00

Manufacturers of: Incinerators...Hydraulic loaders...Tanks...Control Panels...High Temperature Ducts...Process Equipment

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airline tickets, estimated and billed at actual cost,	1	air fare	\$3,000.00	\$3,000.00
baggage fees	2	each	\$100.00	\$200.00
airport road travel, PHL	420	mi	\$0.95	\$399.00
airport parking	13	days	\$20.00	\$260.00
Total shipment, install, initial training				\$186,309.92

Waste Oil Tank System Detail

Pennram will provide a Waste Oil Tank system and related installation. The Waste Oil Tank system will have a 300 gallon tank, 2x air operated diaphragm pumps, pressure controls, level switch, strainers, etc., is included along with a waste oil injector in each chamber with automatic controls. System intended to augment diesel fuel usage. Each gallon of waste oil injected with reduced diesel fuel usage approximately one gallon. Nominal injector capacity is 15 gallons per hour in the secondary chamber and 5 gallons in the primary chamber.

A controls upgrade is included in the PLC and HMI screens adding the waste oil controls and setup screen.

The tank will feature a secondary containment, which is not indicated in the sample drawing, but will be provided.

A skid mounted air compressor is provided in this package to supply proper air to the Waste Oil Tank system.

Pennram will use to the extent possible soft copper tube, rubber hose, EMT conduit, flex sealtite, and basic fittings and materials that do not require specialized equipment to install.

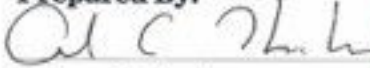
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The 223053-01 City of Dillingham proposal dated 06 August 2024 replaces all prior 223053-01 City of Dillingham proposals.

Terms are 50% with order and 50% net 30 days from completion.

Warranty. Seller warrants and represents that the Equipment will (a) perform in conformance with the specifications set forth herein, (b) shall be suitable for the incineration of waste in the capacities set forth in the specifications, (c) while handled and operated in accordance to manufacturer's specifications will meet or exceed the environmental, safety laws and regulations and emissions parameters presented herein. (d) be free of material defects for a period of one (1) year from start up or two (2) years from shipping date, whichever occurs first, and (e) not violate the intellectual property rights of any third party. Defects in workmanship must be documented to the factory within thirty calendar days of arrival of equipment. Defects in workmanship are repaired by the factory or factory subcontractor at the expense of the factory. Replacement of defective parts is limited to replacement of the part itself excluding the costs of transportation and installation of the part. Consumables (thermocouples and exposed burner components) are not covered under this warranty. Routine wear & tear of refractory liner and moving parts, are not a part of this warranty.

Prepared By:



Andrew C. Hooker
President & GM

Pennram Diversified Manufacturing Corporation

