

PORT COSTA SANITARY DEPARTMENT

of the Crockett Community Services District

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TO: Port Costa Sanitary Commission
FROM: James Barnhill, Sanitary Department Manager
SUBJECT: Invoices Received for Septic Tank Maintenance Project
DATE: April 8, 2020

This report summarizes general items and their corresponding charges submitted by Clean Harbors. The simple scope of work is the removal of all solids, liquids, and debris. Cleaning to allow engineering inspection and replacement of baffles, if needed.

Clean Harbors	Estimate	Invoiced	Over/under Estimate
Task 1: Tank, pump and container rental.....	\$8,361.60	\$24,468.47*	+ \$16,106.87
Task 2: Mob-demobilization tanks/containers.....	\$3,723.20	\$45,689.09*	+ \$41,965.79
Task 3: Cleaning of septic tank.....	\$83,511.80	\$80,988.50	- \$2,523.30
Task 4: Odor control.....	\$1,235.00	\$0	- \$1,235.00 (verify)
Task 5: Transport and disposal (waste).....	\$18,396.00	\$51,957.74*	+ \$33,561.74
Analytical.....	\$N/A	\$1,115.51	+ \$1,115.51
Additional manpower.....	\$N/A	\$24,781.44*	+ \$24,781.44
Subtotal.....	\$115,227.70	\$229,000.75	+ \$113,773.05
Taxes.....	\$2,430.22	\$1,093.33	- \$1,336.89
	\$117,657.82	\$230,094.08	+ \$112,436.26

Unbilled services to restore WWTP wells, lines, pumps, and sand filter beds..... **\$TBD**

Unbilled transportation of clarified wastewater to Crockett collection system..... **\$TBD**

Clean Harbors Environmental Services, Inc. proposal was, in short, to collect and decant sludge waste and to return decant to Port Costa WWTP for onsite treatment. To transport dewatered sludge for disposal offsite. To thoroughly clean tank for structural inspection and maintenance purposes.

Event Dateline:

- 1/2/20 - Staging of two 20k gal weir tanks, one 20k gal frac tank, pumps, hoses, and ventilation
- 1/6/20 - Commenced pumping. Debris, rags, wipes blocked waste pumps delaying progress
- 1/7/20 - Vacuum truck (Guzzler) and two 5k gal vac boxes deployed to replace waste pumps
- 1/8/20 - Three additional 5k gal vac boxes plus two frac tanks needed for capacity due to slower than expected decanting.
- 1/10/20 - Found sludge contamination at WWTP – Notified Clean Harbors and Valley Operators that WWTP is non-operational. RWQCB notified of the full shutdown. Transport of decant to Crockett for treatment to allow sludge time to settle to reduce loads to Potrero Hills Landfill in Suisun.
- 1/13/20 - Clean Harbors found that one baffle wall was broken and no longer attached to the tank. The other baffle wall was still intact and in its proper position. Inspection of the broken baffle found that it was constructed with redwood and nails. Nailed lumber had separated which likely caused the total failure. The one remaining intact baffle wall could not be relied upon and it was decided to demolish it when construction begins.
- 1/14/20 - Clean Harbors transferred equipment across UPRR tracks and through the sewer collection system in order to begin cleanup of the WWTP contamination. Engineers entered the septic tank to perform inspections.
- 1/16/20 - Commenced baffle construction
- 1/18/20 - Completed baffle construction. WWTP wells, pumps, pipes and sand filter bed #1 cleaned and ready to receive clarified water. Town flow restored to septic tank. Weir, frac, and vacuum tanks remained onsite to decant in order to reduce loads of sludge waste to offsite disposal. Decanted water was transported to Crockett during this time.
- 2/10/20 - Weir tanks demobilized

Going forward, Port Costa needs to avoid deferring maintenance and neglecting its assets. It is recommended to apply more aggressive inspection and maintenance to help avoid structural failures and fouling of its assets in the future. Companies such as Clean Harbors may be key to upcoming maintenance due to their marine capabilities such as the need for removal and replacement of filtrate in the sand filter beds, which may require waterfront approach to the WWTP due to the lack of rail crossing.

Commissioners: Tom Cusack, Tom List, John Mann, Anne Scheer, Joe Surges, Karen Klaiber (alt)