



# CITY OF HOUSTON

Strategic Purchasing Division  
Administration and Regulatory Affairs  
Department

**Bill White**  
Mayor

Calvin D. Wells  
City Purchasing Agent  
P.O. Box 1562  
Houston, Texas 77251-1562

F. 713.247.1811  
<https://purchasing.houstontx.gov>

June 11, 2008

**SUBJECT:** Letter of Clarification No. 1  
Sewer Cleaning equipment, Maintenance, Repair and Replacement Parts  
Services for the Public Works & Engineering Department

**REFERENCE:** Invitation to Bid No.: S11-L22535

**TO:** All Prospective Bidders

This Letter of Clarification is issued for the following reasons:

- **To revise the above referenced solicitation as follows:**

**Specification and Terms & Condition:**

1. Remove pages 7 and 8 of 41 **replace:** "with attached pages 7 and 8 of 41 marked revised June 11, 2008."

**Electronic Bid Form:**

1. At the City's electronic website Group IX: **deleted** Year One and replaced with **Year Four** reference page number 23 of 30.

**Note: Due to the changes that were made, this will invalidate Vendor's bid. You must verify the bid form for changes and re-submit your bid.**

When issued, Letters of Clarification shall automatically become a part of the bid documents and shall supersede any previous specification and/or provision in conflict with the Letter of Clarification. It is the responsibility of the bidders to ensure that it has obtained all such letters. By submitting a bid on this project, bidders shall be deemed to have received all Letters of Clarification and to have incorporated them into this bid.

If you have any questions or if further clarification is needed regarding this solicitation, please contact me at 832-393-8750.

Sincerely,

  
Gloria Jordan-King  
Sr. Procurement Specialist  
832-393-8750

**10.0 Preventive Maintenance:**

Preventive maintenance shall be performed based on hours of operation as the schedules below:

**10.1 Vac-Con / Vactor Preventative Maintenance Schedule (Hydrostatic Vacuum Units)**

**Every 250 hours of operation**

- 10.1.1 Lubricate vacuum compressor bearings
- 10.1.2 Check hydraulic oil reservoir level
- 10.1.3 Check oil level in water pump crankcase
- 10.1.4 Check water inlet suction strainer
- 10.1.5 Check oil level in auxiliary engine (see note 2)
- 10.1.6 Check coolant level in auxiliary engine (see note 2)
- 10.1.7 Check intake air cleaner maintenance indicator
- 10.1.8 Check belts on auxiliary engine and water pump drive (see note 2)
- 10.1.9 Drain intercooler condensation and oil
- 10.1.10 Inspect for leaks, loose nuts, bolts, hoses, and fittings
- 10.1.11 Lubricate hose reel rotary union
- 10.1.12 Lubricate front hydrostatic pump driveline
- 10.1.13 Lubricate telescopic boom slide seal
- 10.1.14 Lubricate auxiliary engine water pump drive bearings (see note 2)
- 10.1.15 Lubricate hose reel bearings
- 10.1.16 Lubricate hose reel pivot pin
- 10.1.17 Lubricate scissor lift pivots on debris body
- 10.1.18 Lubricate debris body pivots
- 10.1.19 Lubricate boom pivots
- 10.1.20 Lubricate vacuum breaker door shaft
- 10.1.21 Lubricate debris body float level indicator shaft
- 10.1.22 Lubricate hose reel chain
- 10.1.23 Lubricate boom swivel
- 10.1.24 Lubricate rear door safety "T" handle threads
- 10.1.25 Lubricate rear door seal and door locks
- 10.1.26 Lubricate rear door latch bushings
- 10.1.27 Lubricate vacuum system inlet and outlet seals
- 10.1.28 Lubricate level wind guide roller

**10.1.29 Repair any worn or damaged hoses or fittings**

- 10.1.30 Replace hydraulic filter at heat exchanger (see note 1)
- 10.1.31 Change oil in auxiliary engine (see note 2)
- 10.1.32 Change oil filter in auxiliary engine (see note 2)
- 10.1.33 Clean out vacuum compressor separator box
- 10.1.34 Check operation of safety "T" handle

**Every 500 hours of operation**

- 10.1.35 Perform 250 hour service
- 10.1.36 Replace fuel pre-filter on auxiliary engine (see note 2)

**SEWER CLEANING EQUIPMENT, PREVENTIVE MAINTENANCE, REPAIR AND REPLACEMENT PARTS SERVICES: (continued)**

**10.0 Preventive Maintenance:**

Preventive maintenance shall be performed based on hours of operation as the schedules below:

**10.1 Vac-Con / Vactor Preventative Maintenance Schedule (Hydrostatic Vacuum Units)**

**Every 500 hours of operation**

- 10.1.37 Replace fuel filter on auxiliary engine (see note 2)
- 10.1.38 Inspect all flexible fuel lines on auxiliary engine (see note 2)
- 10.1.39 Check auxiliary engine coolant concentration (see note 2)
- 10.1.40 Replace intake air cleaner element (see note 2)
- 10.1.41 Check auxiliary engine monitoring and systems (see note 2)
- 10.1.42 Obtain oil sample of hydraulic oil (see note 2)
- 10.1.43 Inspect auxiliary engine mounting suspension and fasteners (see note 2)

**Every 1000 hours of operation**

- 10.1.44 Perform 250 and 500 hour service
- 10.1.45 Change oil in water pump crankcase
- 10.1.46 Change hydrostatic filters
- 10.1.47 Check and adjust valve clearance on auxiliary engine (see note 2)
- 10.1.48 Oil samples of the hydrostatic blower drive system should be taken and oil should be changed if the sample so indicates.

**Notes**

- 1.) Change hydraulic and hydrostatic filters after the first 50 hours of operation and after 50 hours following any component repair or replacement in the hydraulic or hydrostatic system.
- 2.) Applies only to units equipped with auxiliary engine.

**10.2 Pipehunter/Harben/SECA Sewer Jet Preventive Maintenance Schedule**

- 10.2.1 Check hydraulic oil reservoir level
- 10.2.2 Check oil level in water pump crankcase
- 10.2.3 Check water inlet suction strainer
- 10.2.4 Check oil level in auxiliary engine (see note 2)
- 10.2.5 Check coolant level in auxiliary engine (see note 2)
- 10.2.6 Check intake air cleaner maintenance indicator
- 10.2.7 Check belts on auxiliary engine and water pump drive (see note 2)
- 10.2.8 Drain intercooler condensation and oil
- 10.2.9 Inspect for leaks, loose nuts, bolts, hoses, and fittings
- 10.2.10 Lubricate hose reel rotary union
- 10.2.11 Lubricate front hydrostatic pump driveline
- 10.2.12 Lubricate auxiliary engine water pump drive bearings (see note 2)
- 10.2.13 Lubricate hose reel bearings
- 10.2.14 Lubricate hose reel pivot pin
- 10.2.15 Lubricate hose reel chain
- 10.2.16 Lubricate level wind guide roller
- 10.2.17 Repair any worn or damaged hoses or fittings**
- 10.2.18 Replace hydraulic filter at heat exchanger (see note 1)
- 10.2.19 Change oil in auxiliary engine (see note 2)
- 10.2.20 Change oil filter in auxiliary engine (see note 2)