

CITY OF THREE RIVERS, MICHIGAN
SPECIFICATIONS FOR BIDS
for
SEPTAGE RECEIVING SYSTEM UPDATES
PERFORMANCE BIDS

Three Rivers Septage Receiving Addendum No.1

All Items in this section (Addendum No.1) are in addition to Section B.4. of the original specifications.

1. Allen Bradley (AB) PLC shall be replaced with same Opto22 PAC-R1 controller used for New Septage Receiving System. PACDisplayPro will be used for HMI control of AB system. Integrator is responsible for all programming in Opto22 controller to replace AB. Existing main enclosure shall remain and additional enclosures shall be added to accommodate Opto22 I/O, printer and operator interface. Integrator will use interposing relays where necessary. Grit removal programmable relay will be removed and added to Opto22 System with ability in PACDisplay to change timer settings.
2. Integrator will keep a copy of customer database for local lookup in controller updated each time SQL Server database is changed
3. Integrator will keep a named .CSV copy of local weekly transactions accessible by login to controller via Ethernet as well as sending realtime transaction data to SQL Server
4. SQL Server will run on new supplied Dell PC system suitable for purpose with all necessary programming, operator screens and reports. A transaction file shall be provided to update Three River's accounting files.
5. Operator interface shall be local and driven from controller using keypad code entry for customer search and verified from remote database(SQL Server) if available or local search and verify if PC/Communications issues
6. Printer shall be local and capable of withstanding the environment.
7. The printer must print the date, time, company, driver, gallons discharged, and transaction number on the driver inserted "Trucked Waste Ticket", this ticket is the load origination form that the MDEQ requires the companies to maintain, it is a three part carbon copy.
8. Operator interface display and printer will be accessible from a NEMA 4 stainless steel enclosure behind sealed and latched door.
9. A pair of new Ethernet fiber/copper switches(same as used throughout plant) will be added to replace fiber to serial interfaces. A new local 8 port Ethernet switch shall be added in Septage receiving panel.
10. No conduit will enter the top of new enclosures.
11. A proximity/limit switch must be installed on the inside door of the cabinet and interlocked with the water supply line hose via an on/off solenoid. This will require that the cabinet door be shut before to enable use of the water hose.