



# Progressive Water Treatment, Inc.

Building relationships first, and equipment that lasts.

## PRESS RELEASE

### PROGRESSIVE WATER TREATMENT RETROFITS ION EXCHANGE INTERNAL DISTRIBUTION FOR INDUSTRIAL PLANT IN TEXAS

Progressive Water, in 2009, was awarded a project, which involved replacing the internal distribution system (Figure 1) for a 10' diameter Softener vessel for a long time customer in Texas. The problem was aging internals were causing loss of resin (Figure 2).

The solution (Figure 3) was to fabricate a new distribution system at Progressive Water, and ship the parts loose for reassembly into the existing Softener vessel on site. The materials used were 316L SS for all piping and support pieces.

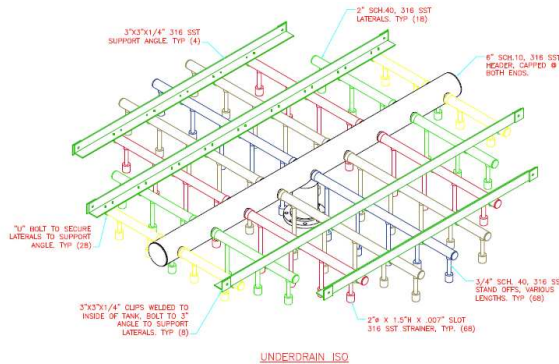


Figure 1: CAD drawing of replacement under drains

Progressive has provided quite a number of newly fabricated distribution systems such as this over the years for a number of different clients, from refineries to power plants, as well as other industrial applications. Please give us a call if you need assistance with a retrofit project of this nature.

Sincerely,

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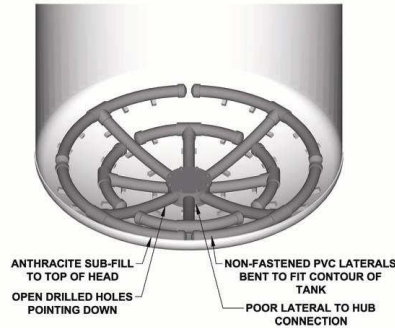


Figure 2

## The Problem...

Poorly designed and/or aging under-drains cause expensive resin/media loss and costly downtime when they fail. Under-drain systems that use gravel or other types of support media waste valuable space. This space could be utilized to hold **more resin**, thus increasing the capacity of the vessel. A typical 10 ft. diameter vessel could hold up to 54 cf. of additional resin!

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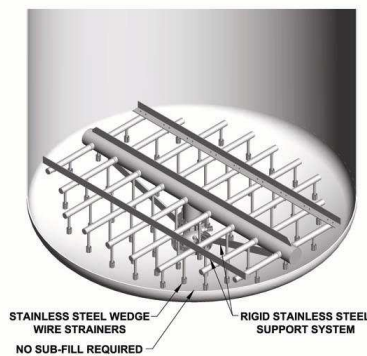


Figure 3

## The Solution...

Upgrade your under-drain to a PWT designed system. Our “Header-Lateral-Drop Strainer” (*HLDS*) system can be retro-fitted into many different tank systems, including systems with no existing under-drain support mechanism. With the *PWT HLDS* system, support media is no longer required. *PWT HLDS* system reduces regeneration time and frequency, which reduces water consumption.

*PWT HLDS* systems result in substantial cost savings, and short term return on investment.

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*Request a consultation from your local PWT representative or contact us direct.*