

LARKIN WATERWORKS DISTRICT (\$15,000)

AQUIFER MONITORING WELL/WELLHEAD PROTECTION MEASURES CONTACT PERSON: WILMER RINGDAL

Larkin Waterworks is an improvement district dating back to 1928. The district serves 126 property holdings. Each holding can own a number of units of water and therefore there is a commitment to supply 245 units. The water supply for this district is groundwater and it must be insured that the aquifer and the infrastructure are adequate to meet the service commitment. The two oldest wells (wells 1 & 2) are in need of updating to current standards.

Both wellheads are being converted from underground concrete chamber access to an above ground weatherproof installation. This is an important safety upgrade. Well #1 will be used to monitor the variations in the level of the groundwater in the aquifer. It will have no pump. Well #2 will be rehabilitated and will be used as one of the primary water sources. Larkin Waterworks has received prices and timelines for the wellhead work and separate prices for the monitoring and electrical work. The District has found that the project is very much complicated by the fact that these wells are artesian and seem to be that way even in the driest time of year. This is a serious problem when working in frigid weather. It also requires extraordinary means to prevent the above ground wellhead from freezing during winter weather.

The fabrication of the wellhead towers is proceeding but it is later than would be required to meet the stated timeline only because of the onset of cold weather. The reason for the delay, so far, has been the fact that every segment of this industry has been under time pressures all year. Larkin Waterworks anticipates

that the project will be complete in February 2009, when the weather will be warm enough to install the above ground chambers.

