



Hungerford & Terry Utilizes Radium Removal Process To Clean Up Vineland, NJ Wells

Hungerford & Terry, Inc. was selected by the City of Vineland, New Jersey to design and supply equipment to remove radium from four municipal city wells during 2009 and 2010. All of the systems for the four designated wells are identical in specifications and design, and each one includes two 102" diameter (2.5909m) exchangers to remove radium.

With the growth of the Vineland, New Jersey area and new expansion of their municipal water system, it was essential to bring these wells into compliance in order to meet Vineland's growing demand for potable water.

According to the DailyJournal.com serving Vineland, Millville and Greater Cumberland Country, N.J., Joseph Isabella, director of Vineland Municipal Utilities said "The city is moving ahead with the work and doing its best to resolve the long-time issue. We'll be caught up. Whatever comes down the road we're going to provide clean water."

Prior to this radium removal process, the City of Vineland had been unable to utilize these wells because they exceeded the drinking water MCL for radium.

With the Hungerford & Terry process, the treated effluent from each well has less than 5 pCi/L combined radium 226 & 228. Dow RSC radium selective resin containing microcrystals of barium sulfate is used to trap the radium and hold it. Once a preset

number of gallons have been treated, the resin is removed from the exchanger and disposed of in a licensed landfill.

Hungerford & Terry, Inc. celebrates 100 years of water conditioning for a wide range of industrial, commercial and municipal operations throughout the world.

Since its inception in 1909, Hungerford & Terry has designed and manufactured thousands of systems that incorporate both conventional and unique water treatment technologies that include removal of iron, manganese, nitrate, arsenic, hydrogen sulfide as well as radium.

Today, Hungerford & Terry is a leading distributor of high-performance water filtration media, including GreensandPlus. Based in Clayton, NJ, USA, Hungerford & Terry has over 30 sales representative organizations throughout the United States, as well as representatives in Canada, Central America, Argentina, Chile, Ecuador, Mexico, Peru, Uruguay and Asia.

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Project Specifications

Well #2&3
Flow - 2,880 GPM Radium:
Pressure - 125 psi
Four (4) 102" dia contactors
Four (4) 228 ft³ beds of radium selective complexer

Well #5
Flow - 1,000 GPM Radium:
Pressure - 125 psi
Two (2) 102" dia contactors
Two (2) 228 ft³ beds of radium selective complexer

Well #6
Flow - 1,000 GPM Radium:
Pressure - 125 psi
Two (2) 102" dia contactors
Two (2) 228 ft³ beds of radium selective complexer

