

- Site reconnaissance revealed a 2,000-gallon fuel oil AST nearby. The ASD for a tank of this size and nature is 369.16 feet (ASDPPU). The actual distance calculated by the desk top tool was **2,087.14** feet. See photograph **0705_620_1.05-1.11_EA_AST1.pdf**. See location of the tank on Map **0705_620_1.05-1.11_AST1Map.pdf**. Upon measurement, the distance exceeded the necessary Acceptable Separation Distance (ASD). No further action necessary.

- Site reconnaissance revealed an AST nearby. The tank is a diked 1,000-gallon diesel fuel tank. The diked dimensions are 12 x 6 feet. See NJDEP Reconnaissance Report, **NEP0222_EastOrangeDPW_ReconReport_NEP_TO2009.pdf** in the Supporting Documentation folder. The ASD for a tank of this size and nature is 51.51 feet (ASDPNPD). The actual distance calculated by the desk top tool was **1,864.93** feet. The tank was not accessible to take a photograph during the site visit. See location of the tank on Map **0705_620_1.05-1.11_AST2Map.pdf**. Upon measurement, the distance exceeded the necessary Acceptable Separation Distance (ASD). No further action necessary.

- Desktop review and site reconnaissance revealed a facility with several ASTs within 1 mile of the potential HUD project. Site reconnaissance by DEP found that there were a total of three tanks that held a flammable or combustible substance. See NJDEP Reconnaissance Report, **NEP0222_PiersonJames_ReconReport_NEP_TO2009.pdf** in the Supporting Documentation folder.
 - AST 3: The tank appeared to be a diesel tank. It appeared to be approximately 1,500 gallons. The ASD for a tank of this size and nature is 327.46 feet (ASDPPU). The actual distance calculated by the desk top tool was **1,638.90** feet. See photograph **0705_620_1.05-1.11_EA_AST3-4.pdf**. See location of the tank on Map **0705_620_1.05-1.11_AST3-4Map.pdf**. Upon measurement, the distance exceeded the necessary Acceptable Separation Distance (ASD). No further action necessary.
 - AST 4: The tank appeared to be a gasoline tank. It appeared to be approximately 1,000 gallons. The ASD for a tank of this size and nature is 276.57 feet (ASDPPU). The actual distance calculated by the desk top tool was **1,638.90** feet. See photograph **0705_620_1.05-1.11_EA_AST3-4.pdf**. See location of the tank on Map **0705_620_1.05-1.11_AST3-4Map.pdf**. Upon measurement, the distance exceeded the necessary Acceptable Separation Distance (ASD). No further action necessary.
 - AST 5: The tank appeared to be a diked fuel oil tank. It appeared to be approximately 250,000 gallons. The diked dimensions are approximately 40 x 40 feet. The ASD for a tank of this size and nature is 188.29 feet (ASDPPU). The actual distance calculated by the desk top tool was **1,497.38** feet. See photograph **0705_620_1.05-1.11_EA_AST5.pdf**. See location of the tank on Map **0705_620_1.05-1.11_AST5Map.pdf**. Upon measurement, the distance exceeded the necessary Acceptable Separation Distance (ASD). No further action necessary.

- Site reconnaissance revealed an AST nearby. The tank appeared to be a diesel tank. It appeared to be approximately 15,000 gallons. The ASD for a tank of this size and nature is 854.59 feet (ASDPPU). The actual distance calculated by the desk top tool was **711.45** feet. See photograph **0705_620_1.05-1.11_EA_AST6.pdf**. See location of the tank on Map **0705_620_1.05-1.11_AST6Map.pdf**. Upon measurement, the distance DID NOT meet the necessary Acceptable Separation Distance (ASD). THIS PROJECT WILL NOT BE ELIGIBLE TO MOVE FORWARD UNLESS THE AST ISSUES MENTIONED ABOVE ARE MITIGATED. A licensed professional engineer should evaluate the tank, intervening development, and local topography to determine if it would sufficiently mitigate the hazard posed by the tank.