

Appendix A

APPENDIX A
EARLY ACTION CAPITAL IMPROVEMENT PROJECT

As an Early Action Capital Improvement Project, the City will implement a Sewer Treatment System Correction Action Plan for the South WWTP (STSCAP). The purpose of the STSCAP is to provide a plan for the construction of improvements.

The STSCAP will be submitted to EPA within twelve (12) Months after the Effective Date of the Consent Decree for review and approval. The Parties understand and agree that implementation of the STSCAP may have already begun upon the Effective Date. For aspects of the STSCAP that have not been completed upon the Effective Date, EPA will review the STSCAP to approve the remainder of the work. The rehabilitation phase of the STSCAP will be completed by forty-two (42) Months after the date of EPA's approval of the STSCAP.

The objectives of the STSCAP will be to:

1. Perform the following improvements for the South WWTP:
 - a. Replace sludge belt press and upgrades to associated electrical equipment.
 - b. Replace plant air blowers and perform upgrades and repairs to air distribution systems and associated electrical equipment, including installation of new diffusers, process dissolved oxygen meters and the addition of basic telemetry equipment.
 - c. Install new electrical generators and associated automatic transfer switches. Relocate an existing generator and upgrade associated electrical equipment.
 - d. Perform structural repairs to eliminate basin leakage and clean out equalization basin Number 4.
 - e. Replace two secondary clarifier mechanisms on the 3 MGD train; replace eight primary clarifier mechanisms on the 10 MGD train; add clarifier skimming systems on the 10 MGD train; and perform associated electrical upgrades.
2. Address all factors which limit or which could significantly limit the WWTP's operating efficiency and/or the ability to achieve NPDES Permit compliance.
3. Address the peak flow handling procedures and peak flow capacity of the WWTP.
4. Identify specific actions and schedules to correct each limiting factor, including capital improvements to the existing WWTP where appropriate.

5. Evaluate all appropriate alternatives and provide schedules for achieving compliance.

