

WAYLAND WASTEWATER MANAGEMENT DISTRICT COMMISSION

MEETING OF OCTOBER 15, 2008

MINUTES

In attendance: David Schofield, Fred Knight, Gene Roberts, John Moynihan, Bill Prendergast

Guests: Bob Peirent, Tighe & Bond
Ian Catlow, Tighe & Bond
Prescott Baston, sewer user
Linda Segal, general public

Chairman David Schofield called the meeting to order at 7:03 PM.

Ian Catlow distributed copies of the Basis of Design Report as required by the contract for designing the new treatment plant. The report states that the plant designer, Tighe & Bond, selected two process technologies as alternatives for wastewater treatment at the Wayland facility. The technologies are the MBR Process and the Biomag Process.

As explained by Ian Catlow, in the MBR Process two screens are located in the influent stream to remove coarse solids and to protect the membranes from fouling and damage. Two screens provide redundancy with one screen in use and the other screen in standby. Components of the MBR Process include a flow equalization tank, sludge storage tank, anoxic basin, pre-aeration basin, MBR basin, and UV disinfection.

The Biomag Process, as explained by Ian Catlow, includes screens in the influent stream for the same purpose as the screens in the MBR Process. Components in the Biomag Process include an influent pump station, sludge storage tank, anoxic basin, aeration basin, clarifier, ballast addition tank, and UV disinfection. The Biomag Process includes the addition of a ballast material called magnetite to the aeration tank which becomes incorporated into the biological floc and dramatically enhances settling in the clarifier.

For the MBR Process, Tighe & Bond estimates the cost including design engineering and construction engineering to be \$5,268,200. For the Biomag Process, Tighe & Bond estimates the cost including design engineering construction engineering to be \$5,504,000. Both estimates exceed the approved budget of \$5,200,000 and do not include other costs. The 30-year life cycle cost for the MBR Process is \$8,034,157 and for the Biomag Process is \$8,061,921.

Tighe & Bond recommended the MBR Process for the new treatment plant. Tighe & Bond reported that Cambridge Water Technologies, supplier of the Biomag Process had given another town a substantial discount in the purchase of a Biomag Process. After some discussion, Fred Knight made a motion to request Tighe & Bond to request a discount from Cambridge Water Technologies and if the request resulted in a substantial discount, the Commission would meet with Tighe & Bond on October 29, 2008 to reconsider the choice of the process for the new treatment plant. The motion was seconded by David Schofield. The vote was 2 – 0 in favor of the motion.

The current discharge location for the treated wastewater is the wetlands of the Sudbury River. Tighe & Bond recommended relocation of the discharge to the Sudbury River at a

point adjacent to the Route 20 bridge. The cost of relocation is not included in the cost estimates. No action was taken on the recommendation.

The proposed site for the new plant was reviewed. Due to the shape of the parcel, there may be a problem with setbacks. David Schofield agreed to check the Town's requirements pertaining to setbacks.

The project schedule was discussed. Completion of the design is scheduled for March 9, 2009. Permitting will be completed on May 29, 2009. Bidding for construction will end on May 15, 2009 and construction will begin on May 15, 2009 and will be complete on June 10, 2010.

The subject of temporary power for the current plant was discussed. John Moynihan reported that he had obtained an emergency generator to provide electrical power until NSTAR completes the power line to the plant.. He reported that the Wayland Highway Department will not construct the temporary road as planned. John Moynihan will employ a contractor for the job. The cost of temporary power is not included in the cost estimates.

Public comment was delayed until the discussions with Tighe & Bond were complete. Prescott Baston made the following public comments:

1. Future EPA requirements should be considered when designing the plant.
2. Some sewer users could return to private septic systems if the cost of the new plant is excessive.
3. Twenty Wayland should pay for visual improvements.
4. Odor control should be paid for by Twenty Wayland because it benefits Town Center more than it benefits current users.

The following invoices were approved for payment:

AOS Operating Company (090801WAY) - \$12,839.95
Twenty Wayland (10-17-08) - \$2,423.70
Dave Starmer Disposal (9-16-08) - \$100.00
Dave Starmer Disposal (9-30-08) - \$100.00
Town of Wayland (water) - \$46.00
William R. Prendergast - \$275.00
AOS Operating Company (100801WAY) - \$10,575.50

There was no other business.

The meeting adjourned at 10:00 PM.

Respectfully submitted,

William R. Prendergast

Distribution:

David Schofield

Fred Knight

Board of Selectmen

File

