



TOWN OF WINCHESTER

INCORPORATED JULY 2ND 1753

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Wastewater Treatment Plant Upgrades Meeting with Board of Selectmen

January 30, 2007 1:30PM

Town Hall

Present: Chuck Terry-Aquarion, DJ Uhrlich-Aquarion, John Stetser-Town Manager, Paul Sirois-Tata & Howard Engineering, Jack O'Connell-Tata & Howard, members of the Board of Selectmen- Gus Ruth, Ted Whippie, Sue Newell, and Jerry Hastings.

Meeting called to order without Tata & Howard members 1:40PM by **Gus Ruth**.

Chuck Terry stated that our new EPA/DES Discharge Permit requires the Town to submit annual reports on Inflow and Infiltration to our wastewater collection system to the NH DES. It will have to identify the areas of I/I and create a plan to abate these areas in a fiscally possible fashion over the coming years and then make the repairs and document. If we have 6 areas to fix we should get estimates to do the work on each and prioritize which ones to do first, usually the bigger volumes first.

Much discussion about past I/I studies and what should be done until Sirois and O'Connell arrive at 2:18PM.

Paul Sirois immediately asks "What will the new plant design capacity be that we need to plan for? We have submitted the draft report for .460mgd(460,000galperday). We can design more or less. Reducing I/I will help attain the desired flow."

Ted Whippie and **Sue Newell** initiate discussion about how the system will not grow in number of users like the State has predicted for population as the sewer system is not Town wide, but only a sewer village, with much of our population growth coming in non-sewered areas. Any growth would probably from new businesses.

Jack O'Connell states that the Feds are moving toward strict phosphorus limits and Keene and Swanzey have them now. This can make the costs rise rapidly. **Whippie** avers that we should worry about that when it happens.

Stetser remarks that we need to tell the Engineers where the plant capacity will be to do their work . If we go up 20% of our current permit of .284mgd then that would be .340mgd. **Ruth** said we should go to .500mgd to handle potential industry.

Terry asks **Sirois** about the clarifiers. He doesn't feel the two old clarifiers are worth rehabbing unless we build a larger new one and use them a back-ups. Discussion winds up with some agreement that this is better than building a third clarifier like the ones we have.

Sirois says that if we build a system to treat .500mgd we will need a third influent pump because two pumps will have to be running and we need a redundant pump at this plant. We can set up piping to receive a third pump but not install it until we need to. **O'Connell** states that building in preparation for the larger capacity up front can save a lot of money down the road.

Newell wants to know what are the options ? Where's the big break in cost as we move up the treatment capacities? We aren't going to need a lot more plant capacity.

O'Connell states that the biggest issue at this plant is how to get the solids out daily and how to handle the solids during heavy flow to prevent discharge. They recommend using a centrifuge to dewater the TSS(Total Suspended Solids), but again it doesn't have to be installed in the first year and will be located at the plant in an out of the way spot. It will save all the trucking costs of moving 2% solids in liquid form. The existing holding tank would be used to feed the centrifuge at the operators choice instead of the other option- a belt press, which can only get to 14% solids, a centrifuge can get up to 24% solids from the same amount of liquid sludge.

Terry asks Tata & Howard about Dissolved Oxygen(DO) at the plant and the need for being able to 1). add chemicals to the clarifiers for Ph control and 2). control the ditch's rotor speeds which add oxygen to the mix in the ditch by adding VFD's to motors.

Septage receiving was all around agreed that we do not want to plan for taking it, due to many inherent problems and costs. We will hear about it on more time when we ask for loans as the State will offer a 5% forgiveness if we accept septage, stated **Sirois**.

Whippie responds to the question when do we meet again with: "Come back when you have several proposals with costs for different levels of treatment capacity!" It was agreed that Tata & Howard would do that and respond in about two weeks with a more clear statement of the project options for cost and capacity.

*Since this was an informational meeting with the Board of Selectmen present to understand the project and to render input to help decide on increases and improvements to our system that will take the plant another 20 years+ there was no motions made and no vote taken , except "motion to adjourn" by **Newell** and second by **Whippie** at 4:35PM. Motion carried.*

Jhs1/31/07