



TOWN OF COHASSET

Sewer Commission

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Sewer Commission Meeting Agenda

DATE: February 25, 2008
TIME: 6:00 p.m.
PLACE: Meeting Room 2B, Town Hall

Meeting called to order @ 6:06 pm.

Attendance: Dan Coughlin, Ray Kasperowicz, Sean Cunning, Dick Nye, Diane Hindley

1. **Office Business:**

Date of next meeting: March 24, 2008 @ 6:00 pm.

- 2008 Annual Town Meeting: Saturday, March 29, 2008 @ 9:00 AM, Sullivan Gymnasium
- Annual Town Election: Saturday, April 5, 2008
- Drain Layers License: McDougall Bros. Enterprises, signed
- Approval of minutes from September and October 2007: Approved

2. **Veolia Water:**

- a. Monthly Operating Report for December and January: Attached. Flows were low.
- b. WWTP: Noise / Odor / Light Complaints: None
- c. Collection System:
- d. Maintenance Fund: \$500. The pump that Sean approved for purchase has arrived and will be installed by a contractor. Pump runs wonderfully. One that operates beautifully and there is no fear of it malfunctioning. The channel grinder component should be delivered soon. It will cost approximately \$14,000.
- e. Overflow event on 2/13 and 2/14. Sean Cunning asks when the overflow started; Dick Nye responds that it was approximately between 8:00-8:30. The overflow ended at about 10:15 pm. The flow was coming over the anoxic tanks. Chlorine tablets were in the bottom of the 55 gallon containment vessel but not all the water that came out of the top of the anoxic tank went into that vessel. He reports that there is still sludge in the marsh, it was wet for a few days after the event and could not be pulled up by Rosano Davis due to freezing temps, and it is in the immediate vicinity of the plant. They will try again tomorrow. Dick believes that over 10 thousand gallons overflowed into the marsh. Sean continues that the abutters to the marsh are expected at this meeting to discuss protocol in the event of the overflow and ask questions as to why they were not contacted. Dick Nye points out that the current protocol states that the operator will contact concerned parties "as soon as time allows". Sean was called at 9:30 pm, Dick contends that his obligation as an operator is to respond to the overflow and try to control the overflow. There is a recommendation is to have two recorded messages, one that states an imminent overflow and the other is that we are in overflow. Dick admits that he knew based upon his experience that an overflow was imminent and that he was aware of this in

the afternoon. Cunning asks how we are doing on the I/I budget. Coughlin responds that originally we were planning to do a six month flow monitoring period, the meters were pulled just before the holiday in December; the full report will be available in approximately two weeks or so. The draft is complete; we originally promised the report by Annual Town Meeting. The data is not entirely conclusive to one specific area. Our next sequence is to do TV work and joint sealing. The data is pointing towards service connection and sump pumps being the primary source of I/I. The overflow was not tested for salinity, Dick Nye estimates that at one point the rate of the overflow was 1.7MGD, volume was unbelievable. To continue with the discussion on I/I Kasperowicz asks if there are high readings coming from Smith Place. Coughlin responds, yes and explains how the numbers are determined. The readings do vary station by station but Smith Place has piping that goes right underneath the railroad tracks. Meter readings are broken down and compared to wet and dry weather events. The Smith Place pump pumps it towards Pleasant Street. Can we TV just that small run? Dan replies yes and that there is plenty of money left for that work in the I/I article. Dick Nye would like to add that when he spoke with the DEP to report the overflow in Cohasset that the DEP responded to him that everyone up and down the coast experienced overflows. Dan Coughlin suggests that we continue to try and get into homes to inspect for sump pumps. Ray suggests that it be made part of the inspection that the fire department does when a property changes hands. Dick Nye apologizes for his delay in getting the report to the Commission. Sean requests to be notified when the extreme flow pipe is operational. Sean recaps the protocol process in the event of an overflow. The Commission would like to remind Dick to use the signs that he has for notification purposes to let the public know that there is an overflow. Cunning would like to go on record that we could've done a better job and we will do a better job.

3. **Enterprise Fund Report:**

Income Statement / Balance Sheet –January: Not available

4. **Connection Status February:**

- North – 269
- Central –810

5. **Correspondence/Communications:**

- ZBA Decision File #07-10-15b: Sewer Staging Area
- Veolia: Annual fee adjustment
- Town Manager: FY 2009 Budget message
- American Water: Sewer Billing Services/First Amendment for Contract Operations
- LeBaron Foundry Inc.
- Blake Martini: 336 Forest Avenue

The pumps are now accumulating heavy solids and grease. Diane will follow up with Dick and Rosano Davis as to what work has been performed.

6. **Old Business:**

- 12 Ridge Top Road-Cavanaro Consulting

John Cavanaro is here to represent Ms. Bailey. They are asking to use the current sewer connection for the lot adjacent to her lot so that her sibling can build a home there. Her lot is currently being serviced by a septic system. Ms. Bailey had previously applied for an exemption to the municipal sewer system and was granted that exemption. The

question from the last meeting was specifically about the current septic system. Cavanaro did some research with the owner, there is a copy of the betterment assessment, Title 5 inspection report completed in 2002 when she requested to be exempt from connecting to the sewer system, the as-built plan for the system and the design plan. The original Lot F, it was designed as part of a cul-de-sac with three lots. When the house was built the owner dissolved the cul-de-sac and merged the lots into one, now she would like to make it two lots and make use of the sewer stub. Dan Coughlin is asked for his opinion and says that he sees no problem and that it looks like the current system is working properly. Test pits were done in February, no groundwater was discovered. There is plenty of separation to groundwater; the water table runs at 13 feet below grade. Dan Coughlin points out that the Title 5 report just indicates failure or not. The reason it must go to the BOH is to certify that the system meets current code. If the Title 5 inspection report doesn't indicate any failures then there is no reason why it can't continue to work properly. The only limitation that is possible is that some of it is the 100 ft. buffer zone of a wetland area. Ray is worried about precedents, refers to Kupperstein and Sestito, we have allowed waivers and use of edu's without increasing our capacity. This will not change the edu count. This is in the area of the watershed and we do not want a system impacting that watershed. We need to verify with the BOH that it meets all of their criteria. Confirm according to the current criteria by the BOH. There is a motion made to approve pending approval from the Board of Health.

- 8 Pratt Court-Gruber

It was not part of the 27 lots that were identified. If Bob Egan identifies them as two separate buildable lots then we could consider him for a connection. It would be up to him to install the connection. If it is a legal lot the fee would be \$6066.99 plus the escalator and the cost of the service.

7. **New Business:**

- 429 King Street-sewer extension to guest cottage

More information is requested, a copy of the deed restriction should be given to them, drawing and sketch of connection.

- 3 Brook Street-change of use application

Concern is for the huge amount of grease that they can generate. DC recommends an outdoor grease trap. Whatever is in accordance with the BOH. 1000 gallons no seats and 1500 gallons if they are seats. This will go on the list for Dick as restaurants with Grease traps. Dick does quarterly inspections. Change of use fee is \$100. WWTP should be contacted prior to backfill.

- 29 Gammons Road- Motion is made to approve at his expense a second stub with a deed restriction. Unanimous vote. Seasonal use only. The BOH is requiring us a letter for him to go on a tight tank for the summer. It's a one bedroom.

8. **Coughlin Environmental Services:**

9. **Abatement Requests:**

- 155 Border Street-approved
- 1 Spindrift Lane-approved
- 39 Rustic Drive-approved
- 14 Summer Street-approved

- 93 Linden Drive-look into
- 4 Sankey Road-approved
- 318 Forest Avenue-no leak detected; willing to entertain an abatement but Ineed something concrete
- 38 Linden Drive-revisit this with the Water Department, get exact date of shut off from

10. Connection fees due:

- 35-39 South Main Street, Sawchuck: \$25,442.94 due on or before March 18, 2008
- 40 South Main Street, Watson: \$71,500.84 due on or before March 18, 2008-request for an extension, letter is submitted by the Watson's to request the extension for 120 days. This is the first request by the Watson's and an extension was granted to Sawchuck for 35-39 South Main Street so it seems only fair that the Watson's be granted the same courtesy. The Watson's state that a deal is in the works and it would make sense to have it go past the end of FY2008 so in the event they decide not to use the connection their monies could be abated without having to go to Town Meeting. Sean Cuning recommends that a one time extension for payment for the nine sewer connections is granted until July 18, 2008; motion is made, vote is unanimous.

11. Open Discussion:

- WWTP Overflow-February 13, 2008/Abutters 7:00 pm

Bill Griffin would like it to be noted that he will be at the Selectmen's meeting at 7 and cannot attend the portion where the abutters will be here.

Joe Coggins is here with pictures of the overflow at the plant. The marsh that existed in the past, there is the purpose of showing every single rain fall since then. There are pictures from 1978 and continue through the years depicting some of the major wet weather events. There is also a picture of the effluent in the driveway that is flowing. Joe Coggins points out that he is disconcerted with the fact that the protocol is still being "tweaked" and that he thinks the effort to put signs up to keep the public away is disappointing. The Commission replies that this is purely for public safety. Joe recounts the events of the evening of February 13, 2008. He was out in his backyard letting the dog out when he heard an incredible rushing of water; he immediately thought that with the rain, it was possible that there was another overflow event. He went to check the plant, he was told he was trespassing, he began to take pictures and asked Dick what time the overflow commenced, he said it was logged in at 7:45 pm. Dick replied that he had no time to notify anyone because they were too busy containing the overflow. Joe called Sean Cuning at 9:37 and spoke with his wife. Sean called him back and arrived at about 10:07 and began to implement the steps of the protocol. Joe points out that protocol was not followed. In Joe's opinion, the article in the Mariner hid the extent of the overflow. By the report written and provided by Dick Nye, he anticipated that there may have been a problem at 3 in the afternoon. Joe Coggins asks if the Commission was contacted at that time. The Commissioners were not notified. Ray took a walk with his dog and saw the foam in what he describes as not flowing. Joe asks why then were the abutters not informed. Ray replies it was a failure. Ray continues and says that the first responsibility on the part of the WWTP operator is to take care of the problem. Ray thought the bypass system had been installed. Joe Coggins would like to point out that there have been many meetings regarding proptocol and the danger of these overflow situations. The Stormwater issues are clearly understood and that it is also understood that the WWTP is not flooding the marsh but it is adding on top of already contaminated Stormwater. Sewage, untreated, partially

treated sewage that is flowing on that Stormwater into the abutters yards, where he let his dog out at 8:30 and no one informed him of the overflow. The dog comes back in the house and Joe is concerned has no idea what he is bringing into the house. Joe continues with concerns that a member of the Sewer Commission isn't aware if the overflow pipe is working. These are neighbors with kids and animals who are subjected to this 4 times in the past two years. Who do we trust? Who do we listen to? If there is foam coming out of the plant someone should pick up the phone and contact the abutters. How can anyone be pleased with an operation that is clearly not working? There have been four overflows in the past. The system cannot handle further connections. The Commission recognizes that there is a problem. It isn't that an effort has not been made and it isn't that money hasn't been spent. The Commission is not able to fix everything, there are financial constraints. Ray Kasperowicz continues that he is not a technical person and that part of the problem may be that we are relying on the technical advice of someone. As of right now the Commission is trying to fix the problems in pieces. If the Sewer Commission isn't aware that the pipe is connected, who does? This overflow pipe was supposed to be connected by the fall of 2007. When the levels hit a certain point why was the protocol not followed. This must violate the permit to getting the Little Harbor District connected. Dan Coughlin responds that prior to any homes being connected the extreme flow pipe must be in place and the upgrade of the plant must be complete. Dan continues that in regards to the extreme flow pipe, this portion was accelerated and was the primary focus of the contractor. Cathy Witkos is reminding the Board of the things that were promised and have not been fulfilled. Ray admits failure; he thought that things were working in the right direction. The promise was to expedite the extreme flow pipe so that it is to be ready by the spring; the work has started in the fall. Karen Quigley also recalls from the MEPA meeting that the extreme flow pipe would be in place by the fall. Joe Coggins would like to reiterate that the abutters are more informed than they have been but that they still have had to ask for updates. There is discussion of test results from the overflow and that even a small percentage of sewage contamination is unacceptable to the abutters. Sean Cunning replies that we are shooting for zero overflows. The test samples were taken from the overflow at the anoxic tank. The overflow is diluted into the marsh. Joe Coggins says that the most amazing thing is that everyone is so comfortable with this except that it is not in their back yard. Joe is very upset; he tells us that he was threatened with an arrest for trespassing. All he is asking for now is to be notified. RK responds that the abutters must make an assumption that there will be an overflow during wet weather events. He says that the abutters should be aware of the heavy rains and take precautions. Joe would like to know if the Commission is even looking into why the plant is overflowing and what the cause could possibly be. He continues with the inquiry regarding the I/I investigation and if the Commission has gotten with the Stormwater Committee. Joe would like to know at what time the concern will become real to the Commission, does the plant need to overflow seven times, he feels one time is enough to raise serious concern. Sean Cunning responds by saying that there are two separate issues. There is water that passes by the plant and water that comes into our plant. Sean gives an update on the I/I article. There are plans to do some major TV work through town and we have a game plan that will be implemented. In six weeks the extreme flow pipe will be hooked up. The public asks for a promise on that and Ray responds that it would be irresponsible to promise but that the effort is there based upon the representation from Dan Coughlin earlier in the meeting. Joe Coggins comments that it is sad now that the problem will be moved into the harbor, the Sailing Center, the Yacht Club, etc. When they fixed the flooding at the post office and it moved towards Elm Street. Now the Elm Street flooding will be fixed but at someone else's expense. Joe Coggins wants someone to stand up, a Town Official, and admit that there is a big problem that needs to be fixed. Ray

admits that the Commission is guilty of the misrepresentation that the extreme flow pipe was to be operational in the fall. Joe Coggins wants to know why the Sewer Commission, an engineer and an operator won't admit that this isn't working and isn't right. If it isn't working, why isn't it working and fix it before one more thing is done to it? Sean Cuning would like to address this issue and note that a lot of the inflow is coming from sump pumps or cracked pipes. This has been determined by testing the salinity at the overflows. Would the abutters allow us to go into their basements? They all unanimously agree. Sean Cuning discusses the possibilities of having the Fire Chief check for sump pumps and report to the Sewer Commission. The Sewer Commission, cannot, by law enter peoples home to inspect for sump pumps and the Board of Health is unwilling to do that as well. The homes around the marsh most likely have service connections that are leaking, as a non intrusive means we look at the cleanouts. The start would be in the basement from the main cleanout. All of that is clay pipe that tends to leak and crack. Summer Street never had water in two years. The whole Stormwater issue is important. If there are clay pipes that are porous, what reading can be trusted at the plant, if the pipes are in such bad condition? DC continues to explain the big increase in flow. If there is a clay pipe going from the foundation wall to the service in the street, in this case it is going out to the marsh, and the Sewer Commission does not have the authority to force someone to replace the pipe. Who will pay for the discoveries? Joe wants to know then why we are ordering more homes to be connected to a system that we do not have the authority to thoroughly investigate that cannot be fixed unless the whole town cooperates then why would the Commission even consider connecting more homes. Why is the Sewer Commission not considering other options? When the membranes are replaced, RK responds, we should be able to handle more capacity because we are only increasing the flows at the plant by 50% and the new membranes will be able to handle the increase in flows. Joe would like to point out that all the new homes will still be going through old pipes to get to the plant. It makes no sense to Joe Coggins that there are not other options. Sean explains that there are at least two years of operating the plant with the upgrades before anyone connects. Cathy Witkos would like to verify that the two year time table is correct. Sean refers this to Dan. Coughlin responds that the membranes will be installed by this summer. Theoretically after that, the Commission can issue connection permits. There has been discussion of issuing the permits in phases. Cathy Witkos doubts the validity of what is being said based upon past experience. If there are no changes there will be an overflow but it will go to the harbor now instead of the Jacobs Meadow abutters. The one thing the pipe will do is direct the flow to the UV chamber and it will be disinfected and treated before it goes out. Hopefully the solids will be minimal, the abutters question this and reiterate that there is no more room for "maybe's and hopefully". The abutters want more assurance. RK states that he has never been an advocate for the expansion but we are bound by the judgment. A reasonable approach would be to hook up this pipe, take one step at a time and watch the connections. RK is not leaving because of these issues, he suggests that take it one step at a time and if this thing "blows up" then the Sewer Commission would have to put a hiatus on connecting anyone. Joe Coggins feels that the extreme pipe is a band aid or a patch to the real issues and that no further homes should be connected until all of the issues regarding overflows are addressed. He continues on by suggesting that the Sewer Commission should be looking at other options like sending a portion of the Little Harbor district to Hull. Ray would like to define the steps to connect Little Harbor. Step A is the extreme flow pipe and Step B is the plant expansion. Sean Cuning says that he will be the first one to go to Hull and negotiate for more capacity if this plan isn't working. Cathy Witkos wants to know if anyone has realistically approached Hull. She would like to know if anyone has approached Hull officially. A member of the public would like to comment on the fact that approximately

3.5 million dollars has been appropriated for the upgrade at the plant and I/I investigations, it is his opinion that it would be a complete waste of money to abandon this and try to connect to Hull. Why not just let it "play out" he asks. Cathy Witkos would like to remind the public that nothing has been followed through from all of the promises that have been made. Septic systems that were under water 6 years ago are now getting sewer. Not a person here has said tear down the WWTP. Joe Coggins just wants a plant that doesn't dump a toilet in their back yard. Joe would like to hold off until there is confidence that issues have been resolved before connecting anyone. Joe Coggins explains that the abutters are asking for communication, updates, and to fix the I/I. Dick does a great job with the exception of the overflows. Joe would like assurance that no more homes will be connected until these issues are resolved. He continues to say that it is difficult to be patient when there is foam floating by his deck. There is 3.5 million dollars to be spent to fix some of these problems. Joe Coggins is clearly frustrated b/c he is constantly chasing boards to fix this problem.

Bill Bell speaks to the negotiations with Hull. He proposes to start informal negotiations with Hull in anticipation of needing capacity. Sean Cunning replies that he has explored this. This is an intermunicipal agreement that involves a lot more than just a handshake. What happens if we negotiate 300,000 additional capacity in Hull and we don't need it. What would be the consequence? IE: Cedamere and Avalon. Are we zoning by sewer? There are 810 homes connected now, there are approximately 400 homes in Central that took 3 years to connect. Ray Kasperowicz suggests that, A: Connect the overflow pipe, then B: Slowly connect the homes in the LH district. If we don't meet certain goals and objectives then maybe somehow we send some of the LH flow to Hull. Cathy Witkos needs a commitment. Cathy asks the question of how much time are you going to allow before we know that the system can handle that flow plus more. Karen Quigley comments on the progress of the I/I work and the Sewer Commission replies that an interim report will be available prior to Town Meeting. In response to the question, Ray Kasperowicz replies that TV camera work is very expensive, and are we even sure of what we are looking at? Karen Quigley would ask that there is be more communication between the Sewer Commission and the Stormwater Committee. Who is responsible to evaluate the ability of the plant to operate, who would determine the thresholds of success? Dan Coughlin responds that we will go through two months of testing time, measuring effluent quality, etc. When we go into a storm event or wet weather event we have to assess how the plant operates and handles the extreme flow. We will most likely have this fall to next spring to evaluate the plant performance and before we even contemplate connecting anyone. Ray suggests that the Sewer Commission should go to the DEP and ask them to allow us a rainy season before we connect anyone. Dan Coughlin doesn't have an issue with that since we have until 2012 to connect. Cathy Witkos refers to a discussion she had with someone at the DEP regarding connections. The DEP felt that a year is a sufficient amount of time to evaluate the operation of the plant. The abutters (CW) would like to request a full year of operation before connecting anyone. Cathy is requesting a commitment from the Sewer Commission that no new connections are made until the plant has run for a year after the upgrade is complete. Joe Coggins adds that in addition to a year of wait time to connect, he would like some thresholds defined in simple terms and to be kept informed as to what the goals are and what the time period for connections will be. We are bound by the Second Amended Final Judgment to connect the homes in the Little Harbor district by 2012. The abutters would like to know that we are getting the current and correct information. Is there any way the process of installing the membranes can be expedited. Wayne Sawchuck would like to say that the I/I is the main issue. Smith Place is a huge contributor to the problems. Wayne would like Dan Coughlin to come up with a plan to have the I/I work completed by this

summer. Dan should be able to tell where the I/I is coming from. How much money will it be to correct this problem? Identification is the biggest issue. Can we find other big problems? DC responds yes, but the only way to do it is by looking at the services. DC discusses all of the efforts that have been undertaken. If one pipe is fixed then the problem just goes to the next pipe. During June and July of this year a test and seal program is going to happen. What has happened between now and then, the services have been installed by private contractors, and a big part of it is taking a look at the service connections. If you ever took 50 sump pumps and turned them on at the same time the flow of water is incredible. Sump pumps are the biggest problem according to Dick Nye's opinion. A smoke test was done on Elm Street and only one sump pump was discovered. The I/I is all based on water and rainfall, the results of the flow monitoring target areas such as Smith Place to figure out where the flow is coming in. Joe Coggins requests a statement of some sort from the Commission with thresholds of success. The abutters, the Commission and the state should be aware of all of this and if we can't meet certain criteria then other options have to be explored, relatively soon. The statement should also include I/I issues, the flows and anything else that will determine the success of the upgrade and the operation of the plant. Wayne Sawchuck suggests a quarterly update included in the bills similar to the water update. Cathy Witkos would like a summary of this meeting, including what the Commission is committing to and she is seriously asking for a defined period from the membrane upgrade and when the connections will begin. Sean replies that this could be defined by how many wet weather events we go through. Cathy agrees, but would specifically like to request a year. Ray Kasperowicz feels that the Board is earnestly trying to accommodate the situation around the Meadow but agrees to commit to an approximate timetable. Ray thinks that we should be able to discuss a contingency plan with Hull, something to the effect of "what if..." then would they allow us to connect? This may work only as a contingency not as an Inter-municipal Agreement (IMA), not to make a full commitment. We currently have negotiated 80,000 per day with Hull. Dan Coughlin estimates that they have an additional million gallons per day in capacity. Ray wants to emphasize that our own plant is always a better option as far as cost savings and the life of the connection. Cathy Witkos asks about 2012 when there is a whole new Commission on board. Ray Kasperowicz thinks that we can hammer some sort of agreement between the Commission and the DEP in compliance with the judgment that we all understand. Dan Coughlin explains that the plan has always been to phase in connections. It's early for us to outline how we are phasing the connections; we may want to extend it. We are not ready to commit to a phased in schedule, but we should revisit this by midsummer. The I/I has to be solved so that the plant can run to the capacity that it is designed for. The plant can process over a million gallons of flow per day. We don't want to handle that amount because essentially that is clean water or Stormwater. DEP considers a certain % of flow specifically for that. Peak flow base should be a couple of hundred thousand. Cathy would like to see this plan that we are discussing orally, a draft that the abutters can look at and they should be able to tweak it as needed. Something should be put together now that has some loose joints that can be flexed, possibly go to DEP and explain that we may delay connecting LH for a year or so. The draft should have enough flexibility for all parties involved. Something in writing should be presented within the next four weeks. There are so many issues to address, particularly the SRF funding and our commitment to repay the loans and assess betterments. The need to satisfy so many, maybe we can allow two or three streets to connect and phase in the betterments. Deep Run Rust Way can be connected to Hull but it's not that simple to divert the flow for any other streets. The intent was to be able to switch some of the flow. A worst case scenario is proposed by Cathy Witkos. If our plant couldn't handle the flow, the DEP would put a moratorium on any new connections.

Joe Coggins asks “Is there anything in the past hour and 45 minutes that has been discussed impossible to do?” DC responds that anything is possible but we would have to construct a new pipeline, so theoretically it is possible just costly. Bill Bell continues discussing the possibility of changing the size of the pipes. DC explains the infrastructure of the piping between the different districts and what the pumps are designed to handle. The best solution is to solve the I/I. The interim report will be done before Town Meeting; it will be theory and identify some areas that are recommended for reconstruction, etc. The million dollars may or may not cover the cost of repairing the I/I, depending on how extensive the work is. To repair the I/I discoveries it could be fixed within 6 months during the summer, which is the most effective time to repair. The long term plan is written in the NPDES drafts. Wayne Sawchuck would like to add that the abutters should not stop with the Sewer Commission. Not all of the responsibility is the Sewer Commission, once again it is suggested that the Sewer Commission should get together with the Stormwater Committee. The goal is to prevent it from getting it to the Meadow in the first place. Draft of plan and protocol will be provided to a representative of the Jacobs Meadow abutters prior to the next meeting. Summary will be given as a draft on March 24 @ 6 pm. Minutes will be presented to Town Manager Bill Griffin and presented at the next meeting for Board approval.

Meeting adjourned @ 10:12 pm.