

**TOWN OF BOURNE
BOARD OF HEALTH
24 Perry Avenue
Buzzards Bay, MA 02532
Phone (508) 759-0615 x1
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Cynthia A. Coffin,
Health Agent

**MINUTES
NOVEMBER 9, 2011**

**Members in attendance: Don Uitti; Galon Barlow; Carol Tinkham
Absent Members: Kathy Peterson, Chairman; Stanley Andrews, Vice Chair**

**Support Staff in attendance: Cynthia Coffin, Health Agent; Melissa Chase, Secretary
Absent Support Staff: Carrie Furtek, Health Inspector**

Meeting was called to order at 7 PM by Galon Barlow

1) 1077 County Rd: Rose Kazaryn: 1st time horse license: Discuss and vote on pending application for a barn license

In attendance for this item were Rose Kazaryn, homeowner and her family.

Ms. Coffin explained that the process was started because an application for a barn for a horse was turned in to the Building Dept. As the application was routed around to departments, Ms. Coffin didn't approve it through the Board of Health. She wanted to make sure that the home owner was aware that a first time barn needed a hearing before the Board for licensure approval. Because of difficulties in the past with abutters to horse barns, the Board made the policy to have new barns come before the Board for a hearing and that all abutters to the property would be notified of what was going on. She wanted to make Ms. Kazaryn aware that it was a Board policy, not just for her. Ms. Coffin said that she could tell from the provided plan that there is a lot of land. She did state that her father is an abutter, but she doesn't live at home, so it's not a problem. It appears that the barn meets the zoning setbacks. The corral has been drawn in on the plan. No variances to the horse regulations were required. Ms. Kazaryn has provided the Board with a manure management plan, stating that manure will be removed by Ronnie Busningo and flies will be controlled via Fly Predators. Ms. Coffin questioned what "fly predators" is. The home owner explained that "fly predators" are actually a bug that controls the fly population by eating the fly larva in the manure. They live on the manure, and are non-biting, non-stinging insects. Ms. Coffin asked if the fly predators themselves are a nuisance. The home owner said no; they are tiny and don't bite; they just eat the larva. (side note: further information on "fly predators" can be found at <http://www.thebeneficialinsectco.com/fly-predators.htm>) Ms. Coffin stated she was not familiar with the person they have planned to remove the manure. She did reiterate that things will be OK as long as there are no complaints and that the pasture and stable are picked up once a day; there will sometimes be limits placed on the amount of manure that can be on the property at one time, but to just be aware of the amount of manure on the property at any one time, and have it removed periodically. Mr. Barlow stated that if the horses become a nuisance to neighbors, then the Board has to step in and address it. It's much better for everyone if the issue is just kept under control. The home owner agreed.

Mr. Uitti made a motion to approve the application for barn license for 1077 County Road, with an initial limit of 2 horses. Ms. Tinkham seconded the motion. The motion carried unanimously.

2) Dan Barrett : ISWM Update

In attendance for this item was Dan Barrett, General Manager ISWM

Mr. Barrett forwarded a written update to the Board. (scanned below and also attached at end)



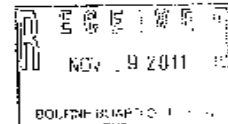
Meeting:
20 Perry Avenue
Brazzards Bay MA
02542

TOWN OF BOURNE Department of Integrated Solid Waste Management



Location:
201 MacArthur Blvd
Bourne MA 02532
Rev: 1/2011 PGC

TO: Bourne Board of Health
FROM: Dan Barrett, General Manager
Town of Bourne, ISWM Department
DATE: November 9, 2011
RE: Landfill Update.



Phase IV Liner Project

The contractor ET&L is on site and preparing to begin work. They would like to begin by relocating the gas collection well piping in Phase 1 ABC that will be covered over by the Phase IV Liner. There are 8 wells on the southwest slope of Phase 1 ABC that will be impacted. This will require excavation into the trash and create the potential for offsite odor migration. We propose to use the "Vertical Gas Well Installation/Excavation Project, Daily Check List" (See attached) as previously approved by the Board and used successfully on the last two gas system expansion projects. ET&L was the contractor on the last expansion project and they were very successful at preventing and controlling of site odor during that project. They were reminded of the sensitivity of the potential odor issue at the preconstruction meeting.

Phase 2A/3A Stage 2 Well installation Project

ISWM received approval at the October 17, 2011 Special Town Meeting to remove funds from the existing closure account necessary to complete installation of eight, permanent, vertical gas collection wells in Phase 2A/3A Stage 2. This area is the last area in the active landfill to receive permanent collection capability. We are in the process of developing a Major Modification Application to submit to Massachusetts Department of Environmental Protection seeking approval to proceed. The Stage 2 area is currently at finish grade and we are applying intermediate cover. We anticipate well installation will occur shortly after the first of the year.

Request for Discussion of Acceptance of Fly Ash

As you are aware the Town has been in discussions with Covanta regarding expanding our current business relationship. Covanta has proposed the possibility of disposing limited amounts of fly ash at the Bourne Landfill. Recognizing that in the past there have been concerns regarding this option, I wanted to open up discussions and see what the Board's concerns are. If the Board were interested Covanta has offered to have one of their engineers familiar with the characteristics of fly ash appear before the Board to answer questions, much like we did when we proposed accepting bottom ash.

Mr Barrett explained that they are utilizing a daily check list before doing any digging, based upon weather conditions. This check list has been useful on the past couple of projects in helping to reduce the potential for odors. Mr. Barrett anticipates that this phase (Phase 1 ABC) of the project will take a couple weeks to complete. They have a product that is sprayed directly on the

trash and the trench to eliminate odor should there be a problem. It is basically a disinfectant and bleach that takes care of odors until the trenches can be covered up. He moved on to the next item, the Phase 2A/3A Stage 2 Well installation project. He explained that this is the last area in the active landfill that does not have gas collection. There is a marginally effective mid-trench in there. It is currently at finish grade, and there is now intermediate coverage on it. The past couple of weekends there were some odor issues, but they were due primarily to mechanical failures. The variable frequency on the main blower motor went. It failed on a Friday afternoon; they were able to get it running over night at diminished capacity. The company was out there first thing Saturday morning and fixed it. A couple neighbors did call with concerns about the odor. The relocation of the pipes on Phase 1 ABC will help tremendously, and they are hoping for good weather to continue so that the vertical pipes can be installed. There have been some complaints about the entrance road; the front section is all torn up, and it will be an issue for the better part of the next 8 months. However, the section that has been torn up will be blacktopped within the next 2 weeks to make it more passable for the winter. They were going to hold off until the septic was installed for the new scale house, but the contractor wanted to hold off on that for a bit. Ms. Coffin asked who the septic installer was; Mr. Barrett was unsure at this point, but will let the office know as soon as he does. An unnamed audience member asked what the large hole area dug out is. Mr. Barrett explained that was the Phase 1D landfill excavation. It had been mandated by DEP to dig out the landfill left over from the 60's /70's and this will be the location of the next cell. He felt it was about 2 weeks from completion of that project. Mr Barrett was asked where the material goes when excavated. Mr. Barrett explained that it was screened. The recyclables are picked out (mostly metal); the waste material is dumped up in the landfill, and the left over sand and mixed material is tested every 5000 yards against ground water standards. The material that passes can be used around the site to build roads; most of it is being piled down in the hole at Phase 4 is going to reconstruct the slope. Audience member Mort Twomey (with the Selectman's Task Force on Local Pollution and Storm Water management project board) asked how the bleach product was applied to the material to diminish odor. Mr.Barrett explained that it was spray applicated on the landfill. Mr. Twomey asked what the formula was; Mr. Barrett said it was done by a contractor that works for the landfill; this same contractor operates the wet scrubber on the gas flare. Mr. Twomey made a suggestion of a gas that is added to the stream to eliminate all odors at the plant before the material is brought to the landfill. Mr. Barrett explained to Mr. Twomey that particular application wouldn't work in this circumstance because it is treating existing material that is being exposed by digging the trenches; the spraying is done for immediate spot treating. Mr. Twomey asked about material coming in; Mr. Barrett said that the material coming in is treated before coming in. Mr. Twomey asked about the groundwater at the landfill, specifically the sediment dry rate. Mr. Barrett said it was about 20% moisture. Mr. Twomey asked how it was dried(particularly the fly ash), ie: by centrifuge. Mr. Barrett was unsure of the process of how the ash got dried, but knew that it was about 20% moisture when it came in. Mr. Barlow pointed out to Mr. Twomey that the pollution task force has not, in the past, been involved in the landfill, but rather in storm water pollution and issues like that around town. He felt the Board was kind of surprised to have him there, not that he was unwelcome, but was just surprised. Mr. Barrett invited Mr. Twomey to come and visit the landfill anytime. Mr. Twomey asked what type of flow of volume was coming into the landfill (solids vs. liquid). Mr. Barrett said it was all solids (municipal solid waste). 90% of what comes in is municipal solid waste (curbside trash); they are prohibited by law from taking liquid waste/sludge. There were lagoons years ago, but they no longer exist, and sewerage sludge is not taken anymore. Mr. Twomey asked about leachate water; Mr. Barrett said it is shipped out to SEMASS and some to Middleboro, as well as a couple other locations. Mr. Barlow pointed out that the leachate has diminished significantly since the landfill was capped. Mr. Barrett agreed. Discussion moved on to the topic of fly ash. Mr. Barrett said that the Town is in discussions with Covanta regarding expanding the relationship with them. He explained that right now, the landfill is taking processed

bottom ash (PBA) for cover and disposal. Covanta would like to discuss the possibility of disposing fly ash as well. Mr. Barrett recognizes that there are concerns regarding fly ash. Mr. Barrett worked for SEMASS in the mid 80's when the incinerators were first out into use, and there was a great deal of concern about what was in the fly ash. DEP and the US Federal Government required them to test the ash quarterly, which they did for about 10 years. Nationwide, nothing showed up, so the state and federal government stopped requiring testing. Semass still does the testing, and there are reams of information stored there about it. In Mr. Barrett's opinion, the landfill can handle the fly ash. There operational issues involved with fly ash that are not involved in handling PBA. It tends to be stickier and tends to stick to the trucks. If the landfill is to take fly ash, they would more than likely hook up a wheel wash for the trucks. It is in the capital budget to install a wheel wash. They wanted to put the idea out to the Board for discussion and questioning. If questions are generated, Covanta could be asked to come in and answer those questions. Mr. Barlow stated that the full Board was not in attendance at the meeting, but he would relay his recollection of the PBA /fly ash situation with a site assignment situation is Sagamore. He knew there was a lot of discussion, but the Board decided to let DEP tell the Board what to do. Ms. Coffin stated that the Board gave final approval on what they asked for, restricting it to what was asked for. Mr. Barlow said that DEP would be consulted before approval of the fly ash expansion with Covanta. He stated that he would be more comfortable with a full Board in posing questions to Mr. Barrett in regards to the issue. Mr. Twomey asked if it was a DEP/EPA regulation that every vehicle that comes with a load be washed before leaving. Mr. Barrett was not aware of that being a regulation. Mr. Twomey asked what would be done with the waste water from that washing; Mr. Barrett said that it would most likely be hauled off. He explained to Mr. Twomey that those kinds of decisions were far off at this point. Mr. Twomey asked where the fly ash would be coming from; Mr. Barrett said that it would mostly come from Covanta/SEMASS in West Wareham. Ms. Coffin asked, for scheduling purposes, if Mr. Barrett was looking towards the new year for a timeframe. Mr. Barrett said he was just trying to keep the ball rolling, so he was open for any time the Board wanted. Mr. Twomey asked what kind of volume of fly ash (on a weekly basis) they would be looking at. Mr. Barrett said they are not at that point yet; it is all at a negotiation stage at the moment. He was just there to see if the Board had any questions/discussion about it. He felt it would be a small amount of ash, something like 10,000 tons in the course of a year. Ms. Coffin asked Mr. Barlow if he thought it would be worthwhile to have someone from Covanta come in during the December 14th meeting to discuss fly ash. Mr. Barlow felt he should defer that question to the Ms. Peterson for a decision. Ms. Coffin said that Ms. Peterson had sent her an email, stating that she'd like the Board to have some background information before being asked to take a formal vote. Ms. Coffin felt that if even just a basic presentation on what fly ash is would give the Board some of the information they would need for developing questions. If that was done in December, the Board would be in a better position for making a decision in January or February. Mr. Barrett agreed. Mr. Barlow stated that the only thing he wanted to bring up was that, while the road isn't too bad, people are getting flat tires from nails that fall out of the trucks. Mr. Barrett stated that it is gone over with a magnet and followed up with a sweeper. Mr. Barrett is aware that it is an issue, and feels that it will be better once the road is repaved. Ms. Coffin asked if there would be well drilling over the Thanksgiving holiday. Mr. Barrett said that the trenches will be closed up for the holiday. Diane Barth (reporter from the Enterprise) asked what, in terms of the wells, necessitated the relocation. Mr. Barrett explained it was due to the installation of the Phase 4 liner. There were no further questions for Mr. Barrett. Mr. Barlow suggested that perhaps DEP should be notified about a fly ash presentation so they can provide information from their side as well. Ms. Coffin and Mr. Barrett both said they would call to inform both Covanta and DEP about a presentation.

3) Approval of the October 26, 2011 Minutes

Ms. Tinkham made a motion to approve the minutes of October 26, 2011.

Mr. Uitti seconded the motion.

The motion passed unanimously.

Mr. Uitti made a motion to adjourn. Ms. Tinkham seconded the motion. The motion passed unanimously. The meeting adjourned at 7:35 pm.

Respectfully submitted,

Melissa A. Chase
Secretary

Kathleen Peterson_____

Stanley Andrews_____

Galon Barlow_____

Don Uitti_____

Carol Tinkham_____

cc Board of Selectmen/Town Clerk