

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

May 23, 2013

- 1. Call to Order:** Bob Schoenberger, Chairman, called the May 23, 2013 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Ramsey G. DiLibero
Vince Carosella
Peter Knipe
Joel Martin

Authority Members Absent

Peter Marroletti
Joe Viscuso

Management and Staff Present

Robert A. Watts
Jim Gorney
Owen R. Esterly
Gary Laird
Teresa A. Devine
Nancy Fromnick

Solicitor

Vincent M. Pompo, Esquire

- 2. Chairman's Announcements/Public Comments.**

The Chairman had no announcements.

- 3. Meeting Minutes.** The minutes of the April 18, 2013 *Combined Meeting Session* and the May 10, 2013 *Special Meeting* will be approved at next week's *Regular Session*.

4. Executive Director's Report.

A. Monthly Activity Report: Mr. Watts said he would like to discuss a few items from his report. He said we have received two small invoices from the Northwestern Chester County Municipal Authority for work done toward connecting to their sewer system. Mr. Watts said Mr. Shuler from the Honey Brook Water Authority had called for an update on the project. Mr. Watts said he was copied on a major permit application by Eldredge in West Chester. They are asking to increase their daily waste oil intake from 35,000 to 100,000 gallons. They are also asking to increase the daily tonnage limit of their transfer station from 17.5 tons per day to 100 tons per day. Mr. Watts said they have been looking for ways to improve operations and reduce costs at the compost area. One of the challenges we have is that many loads of leaves contain branches and other materials. Branches can cause damage to our windrow turner. We have been spending many hours with manual labor removing branches and other debris by hand from the truck loads of leaves. We have asked manufacturers of compost equipment for help with this problem. They have suggested grinding the loads of leaves with a horizontal grinder before windrowing. The grinder can have screens sized large enough that any wood chips could be removed with the final screening. We plan to demonstrate a grinder from a second manufacturer soon. Mr. Watts said he and the Chairman met with representatives of DEPI back on April 18th. DEPI is a local company that has proposed a pyrolysis plant to be sited at Lanchester. They said they should have the results of their engineering study soon. Mr. Watts said he has been meeting with a representative of American Ash Recycling on alternate daily cover products. Mr. Watts said he attended Waste Management's ribbon cutting ceremony for their CNG public fueling station in Bristol, Bucks County. Mr. Watts said the ARM Group has set up a meeting with Clean Energy Fuels next month to discuss the possibility of siting a CNG station at Lanchester. Mr. Watts said he has a section in the Board Book this month for "Landfill Free" disposal, and was expecting a proposal from Sustainable Waste Solutions on how they would work with the Chester County Solid Waste Management Plan, but has yet to receive any correspondence. Mr. Watts said he has in recent months spent a significant portion of his time as the President of the Professional Recyclers of Pennsylvania. He said between their office move to Harrisburg and personnel issues there have been many meetings and calls. Mr. Watts said last week he hosted the first meeting of the Citizens Advisory Committee on Final Landfill Capping. This committee was formed at the request of Caernarvon Township during the Area E permitting. The main focus of the committee right now is advising CCSWA on a final cap demonstration project that will include woody vegetation on the north and west slopes. Mr. Watts said the same consultants that presented information on woody vegetation at the Alliance Landfill almost two years ago gave a similar presentation to bring the committee up to speed.

Mr. Watts said he recently attended his first PADEP Solid Waste Advisory Committee Meeting since he was appointed to the Committee by the PADEP Secretary in March. Mr. Watts said he was elected Vice-Chair of the Committee and their next meeting is scheduled for August. Mr. Watts said earlier this week Todd Davlin of Granger Energy introduced him to the new Operations Manager (Jim Heller) they hired to oversee their projects at Lanchester and Conestoga Landfills. Mr. Watts said the owners of 1224 Reservoir Road have decided to sell their property under the Area D Property Value Protection Plan. Mr. Watts said the first house in the Area E Property Value Protection Plan area was sold in just over a year.

B. Senior Staff Memos: Mr. Watts said the Board members could read the Senior Staff Meeting Minutes contained in Section 4B at their leisure.

C. Solid Waste News: The first article in this section was about the state of Connecticut starting a paint take back program on July 1st. The second article was about a London, England landfill being converted into a nature reserve. There was an article concerning Clinton County approving a railroad spur project for almost a million dollars to come to their landfill. There were two articles in this section about Unilever and Bridgestone achieving “Landfill Free” status. There was an article about how the FBI was able to find evidence at a Massachusetts landfill from the Boston Marathon bombing. The PA Governor has appointed Chris Abruzzo as Interim DEP Secretary. There was an article in this section from the *Intelligencer Journal* concerning the Harrisburg Incinerator. Mr. Watts said there was a *Waste Age* article concerning Vadxx Energy’s plans to build a plant in Cleveland that will convert 20,000 tons of waste plastic annually into crude oil.

D. Landfill Free: Mr. Watts said this section contained a portion of page 15 from Waste Management’s Annual Report. This section of their report was referring to things outside of their control that could affect company performance. Waste Management says, “our landfill and waste-to-energy operations are affected by increasing preference for alternatives to landfill and waste-to-energy disposal.” The second page in this section was an email from a Chester County business to Sustainable Waste Solutions concerning “Landfill Free” disposal.

5. Operations/Site Development Report:

A. Monthly Activity Report: Mr. Watts said that most items in this section this month were routine, we recorded 2.68 inches of rain for April and the landfill gas flows remain at about 3,100 cfm. We gave away leaf compost to the public on April 6th. Our Caterpillar dealer was out to check equipment and said the compactor cleats were good for now and that the undercarriages of our D-6 dozer and track loader are predicted to last until we receive their replacements in July. Mr. Watts said cost to cover last month was reduced because of Harrisburg ash and contaminated soil from Hamburg that was approved as daily cover. There were not any violations from the April 24 PADEP inspection.

B. Recommendation For Hydroseeding: Mr. Watts said the incumbent, Land-Tech Enterprises was the only bidder and they raised their rate almost 15% over last year. Their rate last year was very low, probably to make sure they got the work.

6. Facility Engineer's Report:

A. Monthly Activity Report: The Monthly Engineer's Report for May 2013 was presented to the Board. The following items were discussed.

- Construction work on the Area E, Stage 1B contract remained in progress during the period.
- Survey tasks performed during this period included: topographic survey of the former compost area in order to help determine the limits of buried woody waste; and assisting with the proposed land swap. Ludgate reports that NCCMA's engineer is currently considering potential leachate quantity and quality impacts to the waste water treatment plant.
- SCS reports that the record drawings for the landfill gas collection system relocation work needed for the 2013 Area B cover system removal were prepared during this period.
- Landfill Gas Manager Management Suite™ services and services needed to prepare the Annual Leachate Recirculation Report remain in progress.
 - Bidding Phase:
- A list of all of the bidding phase correspondence concerning the Area E, Stage 2 & Cell D3 Alternative Cover project was listed in the Report. Copies of the listed correspondence were included in the Report as Agenda Item 6.E.
- On or about May 2, 2013 I prepared and sent a letter to the ARM Group regarding the Board's April 18, 2013 authorization of the Area E, Stage 2 & Cell D3 Alternative Cover Resident Project Representative and Construction Quality Control Services. During the period I prepared the Consulting Services Agreement and coordinated its execution.
- The Certification Report for the 2012 LFG Collection System Expansion Project remained in progress during this period.

B. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated May 15, 2013 was presented to the Board for review. The report indicates that during this period \$6,939 was billed on the basis of time and expenses for construction phase engineering services for Area E, Stage 1B. This amount was billed on the basis of time and expenses due to the construction contract time extension.

C. ARM Group – Out Of Scope Services: A copy of the May 16, 2013 memorandum from the ARM Group concerning out-of-scope bidding phase costs for the Area E, Stage 2 & Alternative Cover System was presented to the Board. Additional meeting attendance, correspondence, and bid review efforts were necessary. The cost of the extra services during this period was \$4,522.

D. Area E, Stage 1B – Construction Status Report: The Monthly Construction Progress Report dated May 16, 2013 concerning Area E, Stage 1B construction contract was presented to the Board. The work completed during this period by the contractor, Kinsley Construction was listed in the report. During this period, Kinsley submitted Payment Application No. 9 in the amount of \$325,158. Two photographs were attached to the report. One photograph showed the final grade of former Pond 4. The other photograph showed the installation of geosynthetic reinforced backfill within the excavation limits of the Mountain Top Landfill.

E. Area E, Stage 2 & Alternative Cover – Contract Award: Bid phase correspondence concerning the Area E, Stage 2 & Alternative Cover System Construction (Contract No. 13-418C-E2) was presented to the Board. The Board’s attention was specifically directed to the memorandum from Vincent M. Pomp, Esquire dated April 17, 2013 and the Bid Award recommendation letter from ARM dated April 30, 2013. It was recommended that the Board award the contract to Severson Environmental Services of PA (Severson) in the amount of \$14,337,627. Attorney Pompo advised the Board that they have only two options: reject all bids and rebid; or award to the lowest responsible bidder. A motion to award the contract to Severson was made by Vince Carosella with a second by Ramsey DiLibero. The motion passed.

7. Water Management’s Report:

Monthly Activity Report: The following is the report for Water Management.

APRIL HIGHLIGHTS:

- April 2013 landfill leachate 296,834 gallons (includes gas condensate)
Leachate by area breakdown:
 - Area C 37,879 gallons
 - Area B 98,339 gallons
 - Area D 143,848 gallons
- Granger gas condensate 16,768 gallons

- April 2012 landfill leachate 497,900 gallons
- April 2012 Rainfall 2.65”
- April 2013 Rainfall 2.55”

LEACHATE INVENTORY UPDATE: (As of May 20, 2013)

T-101 Leachate Storage Tank	- 217,500 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 212,500 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 110,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 540,000 gallons	capacity – 1,810,000 gallons

Total percent of storage utilized - 29 %

LEACHATE COLLECTION SYSTEM:

Currently the Leachate collection system is 100% operational. Monthly maintenance is being performed, cleaning strainers on pumps and paddle wheels on flow meters.

RECIRCULATION SYSTEM

- 168,000 gallons was recirculated into the recirculation blankets.

Recirculation to date: 5/1/2013

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>
E	1,793,912	2,631,930
F	3,130,621	3,682,875
G	3,263,425	5,066,750
H	1,366,965	5,687,500
Total	14,283,692 (gal)*	21,681,836 (gal)*

*Includes trenches that are not listed because they have reached capacity.

Remaining Trench Capacity – 7,472,834 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	135,000	1,250,000
2	135,320	1,250,000
3	144,050	1,250,000
4	142,430	1,250,000
Total	556,800 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

Two UF Modules and 10 RO membranes were replaced since last report. The UF modules are now showing a TSS value of <5. The old modules will be sent out for repair. The UFRO ran during the last week of April producing 26,620 gallons of permeate.

Manufactured Wetlands for Leachate Treatment Pilot Study. Eight companies responded to the RFQ. The submittals are being reviewed at the current time.

GROUND WATER INVENTORY UPDATE: 5/20/2013

- Ground Water Storage Pond – 610,500 gallons 76 % of capacity
- The Ground Water Storage Pond Outfall 101 maintained a manageable level during April 2013 with a managed discharge to Outfall 001.
- Total Ground Water received for April 2013 – 57,917 gallons.
- Contractors are using water from the groundwater storage pond for onsite dust control. There are currently no other options for water. This consumptive water usage will add to our consumptive water usage reported to the SRBC. The amount of water used, should not affect our quarterly cost very much.

NPDES PERMIT COMPLIANCE:

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated April 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for April 2011 has reported full compliance with the 2009 NPDES Permit. All Monitored Parameters were below required discharge limits. 0 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 166,500 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 166,500 gallons was discharged to the Conestoga River (Outfall 001) during April 2013.

8. Compliance Officer's Report:

A. Monthly Activity Report: Ms. Devine mentioned that ground water monitoring continues as required.

Ms. Devine reported that there were four radiation alarms since the last meeting. All four loads were residential waste and the isotope was I-131. All the loads were landfilled.

Ms. Devine informed that Board that there were numerous groups on-site for tours in the last month. There were cub scouts, high school students from Downingtown, 3rd graders from Honey Brook Elementary, and a local boy scout and his father from

Ms. Devine mentioned that she installed new batteries in the 4 AED's on site. The life span for the batteries is generally 4 years or more.

Ms. Devine also reported that she had phone conversations with DEP personnel regarding an NOV we received for radiological exceedences in the water sample at the Maintenance Building last September. It was listed as an outstanding NOV on eFacts and it was holding up a \$250,000 grant that Nancy had submitted for composting equipment. After speaking with Lynne Scheetz at DEP, Bureau of Drinking Water, and demonstrating we had two quarters of in compliance results since the exceedence, she made some changes to our status on eFacts and put us back in compliance. This should clear the way for the

grant to move forward. We do still need to have 4 quarters of in compliance results in order to have the NOV totally resolved.

Finally, Ms. Devine reported that she accompanied DEP inspector, John Pollock, around the site for an inspection on May 17th. There were no issues identified as needing attention during the inspection.

9. Recycling Coordinator's Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. The first Octorara HHW Event was conducted on April 20. Although a small turnout, Octorara has already invited us back to conduct an event next year and promises additional advertising. On April 25 Ms. Fromnick and PADEP Mary Alice Reisse met with East Marlborough Township. Mandated since the 2000 census, East Marlborough continues to “drag its’ feet” to come into compliance. The Kennett Square Borough 902 pre-application meeting was also conducted on April 25. They are applying, under two separate grants, for compost site development, special events containers, a truck, and chipper and updating their recycling ordinance. On April 30th Ms. Fromnick met with West Vincent Township. Although not yet mandated, they want to get a head start and be ready. On March 9 Ms. Fromnick hosted a municipal recycling coordinators meeting. The topics covered were: education requirements, the Process & Marketing Contract for Recyclables and Keep American Beautiful. The West Bradford Township 902 pre-application meeting was conducted on May 9. While their compost site services East Bradford, West Pikeland and East Caln Townships they are also looking to maximize recycling by incorporating incentive sticker recognition for good recycling and funding for a bobcat, storage garage, direct mail program and cameras to prevent illegal dumping. Commissioner Terrence Farrell attended the Recycling Contest Award presentation at St. Maximillian Kolb School. On May 18, a HHW/e-waste collection was conducted at Owen J. Roberts Middle School. Over 554 vehicles attended.

B. Correspondence: In -Among the items listed, Ms. Fromnick commented that she continues to review draft ordinances and annual reports. Records of operations and invoices were received from Clean Harbors for the CAT Pickering and Octorara events. The DEP/Chester County Act 101, 902 signed contract was received and well as the Octorara Facilities written commitment to host next years’ event. **Out** – A list of items was provided. Ms. Fromnick commented that she submitted the 2012 Recycling Coordinators grant application and individual 2012 municipal reports were sent for updates and corrections.

C. Projects: Ms. Fromnick provided a list of projects. Of particular note: 2012 Annual Report continues and Ms. Fromnick was able to resolve the DEP CCSWA Grant Contract Issue. The signed agreement should be expected in approximately 6 weeks.

10. Business Manager's Report.

A. April 2013 Monthly Tonnage Report: Mr. Gorney presented the Tonnage

Report for April 2013, indicating that the tonnage of 26,202.62 was 1.9% under budget and was higher than April 2012 by 2.3%.

B. April 2013 Accounts Receivable: Mr. Gorney stated that receivables day March outstanding decreased from 37.65 days in March 2013 to 33.17 days in April 2013. Mr. Gorney stated that there were no major problems to report.

C. April 2013 Financial Statement: Mr. Gorney presented the Financials for April 2013 stating that we had a gain of \$495,208 for the month. The YTD Income is higher than budget by 2.4%. Retained Earnings are at \$53,071,069. The funds invested totaled \$44,757,918.79 at month end. The interest earned in April 2013 was at a rate of 0.26%.

D. April 2013 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for March 2013 totaled \$1,701,747.86.

E. Large Dollar Check Approvals: Mr. Gorney presented the April 2013 Large Dollar invoices totaling \$311,013.43, consisting of the attached schedule 10E. Mr. Knipe made a motion to accept the Large Dollar Invoices as presented; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

There being no further business, the meeting was adjourned at 6:36 p.m.

Prepared by,

Peggy A. Cunius