

CHESTER COUNTY SOLID WASTE AUTHORITY

Combined Work Session & Regular Meeting — Lanchester

July 19, 2012

- 1. Call to Order:** Bob Schoenberger, Chairman, called the July 19, 2012 *Combined Work Session & Regular Meeting* of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Peter Knipe
Ramsey G. DiLibero
Vince Carosella
William H. Shirk
Carmen Battavio

Authority Members Absent

Peter Marroletti

Management and Staff Present

Robert A. Watts
David Lozenski
Owen Esterly
Gary Laird
Teresa A. Devine
Nancy Fromnick

Solicitor

Vincent M. Pompo, Esquire

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

The Chairman reminded the Board that this was the only meeting for the month.

- 3. Meeting Minutes:** The minutes of the June 21, 2012 *Work Session Meeting and the June 28, 2012 Regular Session Meeting* will be approved at next month's meeting.

4. **Executive Director's Report. (RAW)**

A. Monthly Activity Report: Mr. Watts said most correspondence and activities this month were routine. He did say there was another inquiry from a township on what the 2013 tipping fees would be and that Mr. Watts told them if they budget for a \$2.00 per ton increase they should be prepared. Mr. Watts said he did have a recent meeting with the Northwestern Chester County Municipal Authority representatives and their engineer to discuss the preparation of the Sewer Planning Module. Mr. Watts said he met with a company representative that is working on a pilot project to process waste to energy ash into an aggregate that could be used for daily cover. Mr. Watts told them we would be interested if it proves to be a viable project and the price is competitive with other options. Mr. Watts said that he and Ms. Fromnick recently toured the Rapid Recycling processing facility in Oaks and the L&S Demo Recycling facility in Conshohocken. Mr. Watts said that all but one of the houses CCSWA owns is rented. He said there had been a recent inquiry about the Area E Property Value Protection Plan, but other than that there has not been any activity with local real estate. Mr. Watts said we were able to auction off some of the old telephones and some leftover concrete pipes from the recent construction.

B. Senior Staff Memos: Mr. Watts said the Board members could read the Senior Staff Meeting Minutes contained in Section 4B at their leisure and contact him if they had any questions.

C. Solid Waste News: The first article in this Section was from *Tri County Record* concerning the Conestoga Landfill. Their daily tonnage is down since they lost the Philadelphia County business. They have decided to contract with a company to build a new leachate treatment plant rather than send their leachate to the Caernarvon, Berks County plant. Another article in this section was concerning PADEP's Waste Transportation Safety Program's Annual Report. The report said that fines are down and compliance is up.

D. IT Proposals: Mr. Battavio moved and Mr. Carosella seconded awarding IT Services to the lowest qualified proposer - the tech+wise (group) for a base rate of \$1,801 per month plus costs for each help desk call. This is for a one year agreement with a 60 day notice clause. The vote was unanimous.

E. Property Swap: The Board went into Executive Session at 6:40pm to discuss property swap and/or purchase. The Board returned to Regular Session at 6:50pm.

F. Act 73 Of 2012: Mr. Watts said this section contained a *Municipal Law Alert* from our Solicitor explaining that on August 26, 2012 this law goes into effect. The provision that affects CCSWA is that contributions to a nonprofit community organization or activities, in an amount not to exceed \$1,000, in-kind services, joint purchases and sharing of equipment during emergency operations. In this section was a

memo to the Board from Mr. Watts outlining his concerns with this change in the law. The Board directed Mr. Watts and the Solicitor to address these issues and bring them recommendations and information next month.

5. Operations/Site Development Report.

A. Monthly Activity Report: Mr. Watts said the landfill gas flow has been in the 3,200 cfm range. The rainfall recorded for the month was 3.54". Most of the activities this month were routine except we hired our hourly contractor to help us with two excavation and soil moving projects. Mr. Watts said the cost to cover waste was higher this month because we did not accept any alternate daily cover. Mr. Watts said there are a few possibilities for alternate daily cover next month, but nothing for sure.

6. Facility Engineer's Report. (ORE)

A. Monthly Activity Report: The Monthly Engineer's Report for July 2012 was presented to the Board. The following items were discussed.

- During the period the agreement forms for the Area E, Stage 1B Construction project were executed. On Monday, July 16, 2012 I sent a notice to proceed letter to Kinsley Construction. A pre-construction conference has been scheduled for Monday, July 23, 2012. The work is scheduled to begin on Monday, July 30, 2012.
- Square D reports that the three new 75 HP variable speed drives needed at the enclosed flare have been delivered. The installation of the new drives is scheduled for Wednesday, Thursday and Friday, July 25 to 27, 2012. Granger Energy has been notified about the replacement schedule.
- During this report period, quotations were received for the replacement of three faulty valves at the existing utility flare. The work was performed by Chesapeake Containment during the week of July 13, 2012.
- During this period Ludgate Engineering provided the following services:
 - Record drawing survey for the Area D, Cell 2 landfill gas system expansion;
 - Design phase survey for the Closure Turf™ Demonstration Project;
 - Update the topographic survey of the active landfill areas;
 - Completion of the Annual PADEP Report drawings;
 - Sewer system planning.
- A kick off meeting with the ARM Group was held on July 11, 2012 regarding the Area E, Stage 2 Design Phase. During the meeting the following items were discussed:
 - ARM indicated that a potential reduction in the quantity of geogrid reinforcement needed build the MSE wall may be feasible. If confirmed, a significant reduction in cost of geogrid materials will be realized. ARM agreed to provide a letter to outline the details of this potential change.
 - ARM also suggested that they are considering potential modifications to the MSE wall entrance ramp. In this case a reduction in the ramp size will result in a reduction of the structural fill quantity and construction cost. The potential for adding a new storm water pond immediately adjacent to the ramp was also discussed. I requested that ARM provide additional details

- concerning the feasibility of these changes and report the findings.
- ARM also asked if anchors for the placement of solar panels on the MSE wall face should be included in the design drawings. In response to this question ARM was asked to first compare the construction cost of the MSE wall anchors to the ballast.

B. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated July 17, 2012 was presented to the Board for review.

7. Water Management’s Report. (GAL)

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

JUNE HIGHLIGHTS:

- June 2012 landfill leachate 464,300 gallons (includes gas condensate)
 Leachate by area breakdown:
 Area C 136,105 gallons
 Area B 116,053 gallons
 Area D 191,823 gallons
 Granger gas condensate 20,319 gallons
- June 2011 landfill leachate 488,593 gallons
- June 2012 Rainfall 3.52”

LEACHATE INVENTORY UPDATE: (As of June 20, 2012)

T-101 Leachate Storage Tank	-	0 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	-	130,000 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	-	<u>60,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	-	190,000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 10 %

LEACHATE COLLECTION SYSTEM:

Currently the Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 278,000 gallons was recirculated during the month of June 2012. Recirculation for the month was into the leachate blankets.

Recirculation to date: 7/01/2012

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed

C	-----	-----	This Trench is closed
D	-----	-----	This Trench is closed
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)	

Remaining Trench Capacity – 7,472,834 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	249,744	1,250,000
2	244,217	1,250,000
3	245,460	1,250,000
4	200,622	1,250,000
Total	858,946 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

- The UFRO Treatment System is currently operational and ran well during the month of June. The plant produced 86,180 gallons of permeate, 3,917 gpd average.

Total operational costs for June 2012 – \$5,572.52

Cost per gallon processed - **\$0.06**

LEACHATE TREATMENT PLANT ELECTRICAL ISSUES

- Recent electrical storms have caused some damage to components at the treatment plant. One of the transformers on the main power supply was damaged and is scheduled to be replaced this Friday 7/20/2012. This caused fuses to blow throughout the treatment system as well as damaging a motor starter. In addition all three VFD drives for the blower system were damaged. Two of the VFD drives, fuses and motor starter have been replaced. The entire system is shut down until the transformer is replaced.

GROUND WATER INVENTORY UPDATE: 6/20/2012

- Ground Water Storage Pond – 665,000 gallons 83 % of capacity
- The Ground Water Storage Pond maintained a manageable level during June 2012 with a managed discharge to Outfall 001.
- Total Ground Water received for June 2012 – 67,303 gallons.

NPDES PERMIT COMPLIANCE:

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated June 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for January 2011 has reported full compliance with the 2009 NPDES Permit. All Monitored Parameters were below required discharge limits. 36,000 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 268,000 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 304,000 gallons was discharged to the Conestoga River (Outfall 001) during June 2012.

8. Compliance Officer's Report. (TAD)

A. Monthly Activity Report: Ms. Devine mentioned that we just received the 2011 Annual Ground Water report. We are also scheduling a meeting with Golder Associates to go over ground water results at Lanchester.

Ms. Devine also informed the Board that the 2nd quarter 2012 ground water monitoring data was submittal to DEP. The 3rd quarter sampling event will begin in a few weeks.

Ms. Devine stated that there was one radiation alarm since the last meeting. The load originated in West Chester and it set off the alarm at the Norristown transfer station. By the time the load was delivered to Lanchester it did not set off our alarms. The isotope was identified as TC-99 at the transfer station and it has a 6 hour half-life. The load was landfilled.

Ms. Devine also mentioned that storm water sample results were submitted via the DEP's eDMR website as required.

Ms. Devine also informed the Board that in the past month she had completed quarterly monitoring of the depth to water levels in on-site wells and the methane gas levels in the perimeter gas probes. She also submitted the Annual Operations Report to the DEP by June 30th.

9. Recycling Coordinator's Report (NJF)

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. Among the items listed she noted: Conducted a composting workshop for West Pikeland Township, attended the Regional HHW Meeting and worked on RFP updates, lead an EPA Pay As You Throw Conference call, conducted a hazardous waste and e-waste event at the Coatesville 9th and 10th grade Center, attended the Keep America Beautiful media event with Secretary Krancer and other dignitaries, was one of three presenters on an nationwide EPA Recycling Award webinar, and meet with newly mandated Honey Brook Township to discuss their ordinance and curbside collection requirements.

B. Correspondence: In - Among the items listed the following were noted: Signed Chester County HHW IGA's were received for distribution, municipal HHW commitments, E-waste rebates totaling \$881.15 and a master composting thank you

letter. **Out** – A list of correspondence was provided. Of particular note: A grant application was submitted on behalf of the Authority for the compost turner, a grant application on behalf of the County for a recycling truck and collection containers, a “No” Burning recycling ordinance packet to East Brandywine Township, July P & M pricing to participating municipalities and the September 7 E-waste registration to DEP.

C. Projects: Ms. Fromnick provided a list of projects.

10. Business Manager’s Report. (JMG)

A. June 2012 Monthly Tonnage Report: Mr. Lozenski presented the Tonnage Report for June 2012, indicating that the tonnage of 26,526.48 was 12.2% below budget and was lower than June 2011 tonnage received by 9.6%. Mr. Lozenski stated that there was one less day of activity in June of 2012 than in June of 2011 which attributed to a bigger difference in tonnage received. Mr. Lozenski stated that the difference was closer to 6.2% less tonnage in June of 2012 than June of 2011.

B. June 2012 Accounts Receivable: Mr. Lozenski stated that receivable days outstanding increased from 30.78 days in May 2012 to 34.28 days in June 2012.

C. June 2012 Financial Statement: Mr. Lozenski presented the Financials for June 2012 stating that we had a gain of \$335,749 for the month which was 11.2% below what was budgeted for the month. Retained Earnings at the end of June 2012 were at \$49,209,738. The funds invested totaled \$43,918,009 at month end. The interest earned in June 2012 was at a rate of 0.40% compared to 0.44% in May 2012. Mr. Battavio made a motion to accept the Financial Statements as presented per the schedules under section 10C; Mr. Carosella seconded the motion. The motion was passed by a unanimous vote.

D. June 2012 Vendor Check Register Report: The Vendor Check Register for June 2012 was presented to the Board. The checks totaled \$832,786.07. Mr. Battavio made a motion to accept the vendor checks as presented in the check register under section 10D; Mr. Shirk seconded the motion. The motion was passed by a unanimous vote.

E. Large Dollar Check Approvals: Mr. Lozenski presented the June 2012 Large Dollar invoices totaling \$380,326.22 per the attached schedule 10E. Mr. Carosella made a motion to accept the Large Dollar Invoices as presented; Mr. Battavio seconded the motion. The motion was carried by a unanimous vote.

F. Act 101 – 2nd Quarter 2012: Mr. Lozenski presented the 2nd Quarter, 2012 Act 101 fees to the Board which consisted of payments to the Environmental Stewardship Fund of \$342,316.77; Caernarvon Township - \$263,374.21; Honey Brook Township - \$41,785.33; Salisbury Township - \$11,396.00; and the PA Recycling Fund - \$158,473.58. Mr. Lozenski stated that the total 2nd Quarter 2012 Act 101 fees were \$817, 345.88 and asked the Board for a motion to approve payment of the fees. Mr. Carosella made a motion to accept the payment of the 2nd Quarter 2012 Act 101 Fees as presented per

section 10F; Mr. Shirk seconded the motion. The motion was passed by a unanimous vote.

The meeting was adjourned at 6:46.

Prepared by,
Peggy A. Cunius