

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

July 21, 2011

1. **Call to Order:** Bob Schoenberger, Chairman, called the July 21, 2011 *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
William H. Shirk
Carmen Battavio

Authority Members Absent

Peter Knipe
Peter Marroletti

Management and Staff Present

Robert A. Watts
James M. Gorney
Owen 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 June 30, 2011 Combined *Work & Regular Session Meeting* will be approved next week

4. **Executive Director's Report.**

A. Monthly Activity Report: Mr. Watts said there is no Section 5 this week due to Dawn Nichol's husband passing away earlier today. Warren Nichols was diagnosed with cancer only three weeks ago. Mr. Watts said our thoughts go out to Dawn and their family. Mr. Watts said he received confirmation from the Chester County Commissioners that Mr. DiLibero was reappointed to the Board in June for another five years. Mr. Watts said most of the correspondence this month was routine. Mr. Watts said he and staff had a conference call with Dell Secureworks to investigate another option for network security. Mr. Watts said Ms. Devine helped him recently with a tour of Lanchester by 70 YMCA campers. Mr. Watts met recently with Bob Struble of the Brandywine Valley Association to receive an update the projects we are funding in Honey Brook and to seek his opinion on possible improvements to unnamed tributaries that leave CCSWA property and enter Honey Brook and Salisbury Townships. Mr. Watts said our contractors recently completed installation of two drip irrigation based septic systems on Zook Drive and the houses are now ready for rental.

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. News Articles: There was an article in this section that Harrisburg had rejected the latest deal to finance their waste to energy plant's debt. Mr. Watts said Ms. Fromnick's Press Release generated a nice newspaper article in the *Daily Local News* recently on the improvements to our webpage. We have received even more questions since the article ran. There was a nice article in the *Tri County Record* recently concerning female heavy equipment operators from the Conestoga Landfill competing in the recent Landfill Road-E-O. Mr. Watts said one of our operators received second place in the bulldozer competition. Mr. Watts said there were two memos in this section from SWANA. The first dealt with the EPA is rewriting the definition of solid waste and the second they are deferring the regulation of carbon dioxide emissions from biogenic sources.

D. Request to Order Cat 836 Compactor: Mr. Watts said due to a six month backorder on this piece of equipment, he would like to order a new compactor now. Mr. Watts said he also anticipates the need for a new 30 ton off road truck next year, but that can go through the normal ordering process. Mr. Watts said he added this month to the wish list for equipment a compost turner that would allow us to operate much more efficiently in our tight space and produce better compost. Mr. Watts said he hopes to demonstrate the compost turner soon and possibly request to purchase this summer the demonstration model at a significant savings.

E. Draft Letter on Municipal Advisory Committee: Mr. Watts said with the Board's approval he would like to send this letter out asking for two volunteers from each of the following municipalities to serve on the Final Capping Advisory Committee: Caernarvon Township, Honey Brook Township, Salisbury Township, Honey Brook Borough and East Earl Township.

6. Facility Engineer's Report:

A. Monthly Activity Report: The Monthly Engineer's Report for July 2011 was presented to the Board. The following items were discussed.

- Bids for the Flare Station Relocation contract were received on Friday, July 15, 2011. The bids remain under review. For more details regarding the bids please refer to the unchecked Bid Result dated July 12, 2011.
- During this report period progress continued on the Area D, Cell 2 LFG Collection System Expansion, including the new LFG lateral and header pipes. Work on the LFG horizontal collection pipes and the leachate injections pipes still remain to be completed.
- Notice to Bidders for this project is to be published on Thursday, July 21, 2011 and Thursday, July 28, 2011. The bid documents will become available for distribution on Monday, July 25, 2011. Bids for this project are to be received on Wednesday, August 17, 2011.
- The surveying tasks completed by Ludgate Engineering during this period included: field verification survey of the Pond 3 spillway elevation and size; field location survey of the proposed culvert that will cross Churchtown Road. Work also continued on the preliminary pumping station design needed for the public sewer extension project.
- During this period SCS Engineers provided design phase services for the Flare Station Relocation Project and the Area D Cell 2 LFG System Expansion.
- During this period the ARM Group provided design phase services for Area E, Stage 1A. ARM also provided permitting services concerning the Closure Turf™ Demonstration project.
- A meeting with PADEP regarding the Township's request for Woody Vegetation Planning was held on July 11, 2011. The meeting was attended by Authority Staff and representatives from Barton & Loguidice and Kaufman Engineering.
- Sanborn Head and Associates continued to provide Landfill Gas Manager Management Suite™ software services during this period.
- On or about July 12, 2011 a conference call was conducted to discuss the correction of permit application drawings prepared by Geosyntec Consultants. Representatives from Geosyntec, ARM and the Authority participated in the call. Corrected drawings are to be delivered before the end of business on Wednesday, July 20, 2011.
- On June 23, 2011 I conducted the Pre-bid conference for the Flare Station Relocation, Public Contract. On July 15, 2011 I conducted the bid opening for the project. Copies of the three apparent low bids were sent out for legal and technical review. On Monday, July 18, 2011 I received a Freedom of Information Act request for the Harnden Group (HG) to review the three apparent low bids. On Tuesday, July 19, 2011 I oversaw the HG document review. The review of the bids remains in progress.

B. Area E Stage 1A – Notice to Bidders: A copy of the Notice to Bidders for the Area E, Stage 1A Construction Contract was presented to the Board.

C. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated July 18, 2011 was presented to the Board for review.

D. SCS Engineers – Monthly Status Report: A copy of Progress Report No. 13 from SCS dated July 19, 2011 concerning the Cell D2 LFG Collection System Expansion and the Flare Station Relocation was presented to the Board for review.

E. Flare Station Relocation – Unchecked Bid Results: A copy of the unchecked bid results for the Flare Station Relocation Contract was presented to the Board. Attorney Pompo explained that the bid submitted by Chesapeake Containment Systems has a material defect in the bonding. Accordingly the bid will need to be rejected. A recommendation for award will be made at the Board’s Regular Meeting.

F. Flare Station Relocation – Construction Phase Engineering & Inspection: The June 15, 2011 proposal from SCS Engineers regarding construction phase engineering and inspections services for the Flare Station Relocation was presented the Board. The cost proposal for the services is in the amount of \$24,700. The engineering services include shop drawing and submittal review. SCS has furnished favorable hourly rates when compared with other consultants.

7. Water Management’s Report:

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

JUNE HIGHLIGHTS:

- May 2011 landfill leachate 430,498 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	105,409 gallons
Area B	100,338 gallons
Area D-1	95,615 gallons
Area D-2	68,349 gallons
Area D-3	27,939 gallons
Granger gas condensate	32,848 gallons

- June 2010 landfill leachate 571,631 gallons
- June 2011 Rainfall 2.04”

LEACHATE INVENTORY UPDATE: (As of July 20, 2011)

T-101 Leachate Storage Tank	- 425,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 407,500 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 80,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 1,057,500 gallons	capacity – 1,810,000 gallons

Total percent of storage utilized - 49 %

LEACHATE COLLECTION SYSTEMS

Currently the Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 136,700 gallons was recirculated during the month of June 2011. Recirculation for the month was into the leachate trenches on weekdays and blankets on weekends.

Recirculation to date: 7/1/2011

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,599,578	1,888,720	
D	1,532,678	1,783,398	
E	1,582,230	2,631,930	
F	2,974,144	3,682,875	
G	3,066,915	5,066,750	
H	1,231,713	5,687,500	
Total	13,080,009 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 8,776,390 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	507,047	1,250,000
2	498,860	1,250,000
3	529,308	1,250,000
4	507,569	1,250,000
Total	1,971,324 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

- The UFRO Treatment System is currently operational. The UF system is operating at an average of 7.2 gpm and the RO system is operating at an average flow rate of 10.6 gpm during the month of June. The plants 23 day average is approximately **3,542 gpd.**

The RO unit produced – **106,270** gallons of permeate during June 2011

MONTHLY COST ESTIMATE	\$3,957.78
Monthly Electric	\$2,287.66
Total	\$6,245.44
Cost Per Gallon	\$0.06

GROUND WATER INVENTORY UPDATE: 7/1/2011

- Ground Water Storage Pond – 745,000 gallons 91 % of capacity
- The Ground Water Storage Pond maintained a manageable level during June 2011 with a constant discharge to Outfall 001.
- Total Ground Water received for June 2011 – 478,348 gallons.

NPDES PERMIT COMPLIANCE –

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated May 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for June 2011 will report 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 192,100 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 192,100 gallons was discharged to the Conestoga River (Outfall 001) during June 2011.

8. Compliance Officer's Report:

A. Monthly Activity Report: Ms. Devine mentioned the Golder Associates had conducted a field and a lab audit on ALS Environmental, the new water testing lab, and they have determined they have the personnel, equipment and expertise to do the work in accordance with our requirements.

Ms. Devine reported there was one radiation alarm since the last meeting. The load was household waste from East Goshen Township and the load was landfilled.

Ms. Devine mentioned she conducted a slide presentation for a group from Tel Hai Day Camp on June 24th. They were 5 – 12 year olds and an interesting group.

Ms. Devine also mentioned that she submitted the Annual Operations Report to DEP prior to the June 30th deadline.

Ms. Devine also mentioned that she accompanied John Pollock, the DEP inspector on a site inspection June 29th. There were no issues noted during the inspection.

Ms. Devine also mentioned that on June 30th she measured water levels in onsite wells in order to develop a water level map for the whole site.

Ms. Devine also informed that Board that she spoke to Ed Roski, DEP regarding the Rusmar Foam injection project. He expressed interest in the testing protocol and the results.

Ms. Devine also spoke with Bill Weaver, DEP regarding questions he had about the status of the Area E landfill construction project.

9. Recycling Coordinator's Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. Meetings highlighted: The meeting with C.C. Chamber President, Nancy Keefer to discuss the Green Business Award Program and restructuring of the Business Advisory Committee relationship with the Chamber; the Atglen Borough Council Meeting to discuss HHW Program participation.

B. Correspondence: Among the items listed, Ms. Fromnick commented on the Recycling Update mailing to municipal officials announcing newly mandated municipalities, the need to update ordinances and programs and announcement of two fall workshops on recycling enforcement and prosecution to be offered at the GSC.

C. Projects: Ms. Fromnick commented that work continues on the 2010 Annual Recycling Report which should be finalized and made available in August.

D. New Brochure, Grant Awards & HHW Event: Provided was an updated list of state and self- mandated municipalities, the 2008 904 awarded municipalities, a record of operations summary for the Owen J. Roberts HHW collection and results from the CAT Brandywine HHW collection survey.

10. Business Manager's Report.

A. June 2011 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for June 2011, indicating that the tonnage of 29,349.38 was 4.5% over budget and was lower than June 2010 by 4.4%.

B. June 2011 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding increased from 32.94 days in May 2011 to 34.00 days in June 2011. Mr. Gorney stated that the increase was due to slower payments from several larger accounts.

C. June 2011 Financial Statement: Mr. Gorney presented the Financials for June 2011 stating that we had a gain of \$501,330 for the month. Retained Earnings are at \$47,255,869. The funds invested totaled \$44,453,753.52 at month end. The interest earned in June 2011 was at a rate of 0.46% slightly higher than 0.42% in April 2011.

D. June 2011 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for June 2011 totaled \$680,962.15.

E. Large Dollar Check Approvals: Mr. Gorney presented the July 2011 Large Dollar invoices totaling \$549,345.69 and, consisting of the attached schedule 10E.

F. Act 101 – 2nd Quarter 2011: Mr. Gorney presented the 2nd Quarter 2011 Act 101 Payment for July 2011 totaling \$886,589.49 consisting of the attached schedule 10F. Mr. DiLibero made a motion to accept the July 2011 Large Dollar Checks and the 2nd quarter 2011 Act 101 payment for July 2011 as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.

There being no further business, the meeting was adjourned at 6:34 p.m.

Prepared by,

Peggy A. Cunius