

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

October 22, 2009

1. **Call to Order:** Bob Schoenberger, Chairman, called the October 22, 2009 *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
Peter Marroletti
Dante W. Renzulli, Jr. Esquire
William H. Shirk
Vince Carosella

Authority Members Absent

Peter Knipe

Management and Staff Present

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

Solicitor

Vince Pompo, Esquire

2. **Meeting Minutes.** The minutes of the *Combined Session Meeting*, September 17, 2009 will be approved at next week's *Regular Session Meeting*.

3. **Chairman's Announcements.**

The Chairman had no announcements.

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

A. Monthly Activity Report: Mr. Watts said he would like to highlight a few items from his monthly report. From his correspondence received section Mr. Watts said we received a letter from PADEP that Mark Mueller of Vision Engineering is now trained as a Host Municipal Inspector for Caernarvon Township. Mr. Watts said we received notice from PADEP that a Public Hearing on our Area E Landfill Expansion will be held at 7:00 p.m. November 12th at the Caernarvon Fire Hall. Mr. Watts said he continues to receive requests for the tipping fees for 2010. Mr. Watts has told people to plan on a \$3.00 per ton increase and he hopes it is less than that.

Mr. Watts said he recently meet with Jim Dowd, the president of the local quarter midget racing club. The club again fears that they could lose their site in Honey Brook due to development pressures. They had approached CCSWA a few years ago but got a reprieve with the down turn in the economy. Mr. Watts said the only spot we have is on top of the IU site and he said they would try and find other locations for consideration. Mr. Watts reported that we had another successful Open House with an estimated 1,400 people in attendance. Mr. Watts said that on October 9th the Caernarvon Township Supervisors, their attorney and Mr. Schoenberger toured the landfill to see current operations and the location of the proposed Area E Landfill Expansion. Mr. Watts said it was a busy month for property management. We have two appointments this weekend to look at our only unrented property. We also have had purchase offers on the one house we have listed for sale and plan a counter offer tomorrow. The property on 1801 Reservoir Road was eligible for Property Value Guarantee Program (PVG), but elected to sell without signing up and the property recently sold. The owners of 1356 Reservoir Road have elected to exercise their rights under the PVGP and will have an auction on November 19th. Mr. Watts said he recently met with an Eagle Scout candidate and his parents to discuss locating a blue bird trail at Lanchester. Mr. Watts said it is possible that we will receive additional requests for extending the trail for Eagle Scout projects.

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: This section contains a copy of newspaper ads for the Supervisor's election in Honey Brook Township. There was another article of a small plasma arc waste processing plant in Calgary, Canada. There was also a recent letter to the editor complaining about the limitation on the number of trash cans allowed in West Chester Borough. In this section is a copy of a report by *PA Environmental Digest* predicting up to 300 lost positions at PADEP as a result of the budget cuts. A recent article said that Honey Brook Township is considering loaning the library money at a lower rate than they can borrow from a bank to save them money. The article went on to say the truck terminal on Reservoir Road would be more than doubling the number of trucks it can handle in the near future. This section also contained a copy of the *Tri County Record* article on the September 1st Area E Public Meeting. Mr. Watts included the first page of a long story from the *Philadelphia Inquirer* on the Susquehanna River and said he would be glad to provide members with the full story if they wanted it. Mr. Watts said Veolia's landfill in Mount Joy Township, Lancaster County was reported to receive PADEP approval of the Environmental Assessment. Mr. Watts said that CCSWA and Waste Management donated services to the Ryerss Farm fire in Warwick Township. There is an article on this section over the Kardon Park in Downingtown. Some of the Board Members confirmed that this was the site of a former dump.

D. PADEP Press Releases: This section contains a copy of a recent press release on the \$48,000 fine levied against Warwick Waterworks, Inc. for their work at St. Peter's Village.

E. SWANA Update: Mr. Watts said the first memo in this section is concerning the US EPA's proposal to require most landfills to report emissions next year.

F. PA Greenhouse Gas Report – Solid Waste: Mr. Watts said he only included two pages of this very long report but he had the entire report if anyone was interested in a copy. The report said that emissions from the waste sector only accounted for 1.3% of PA's gross emissions of greenhouse gases. The report went on to recommend more utilization of landfill gas for energy, increased use of waste to energy and recycling.

G. Thank You Letters: We received an invitation to accept Lancaster Farmland Trust's Amos H. Funk Spirit of Cooperation Award for 2009 along with Caernarvon Township. Mr. Watts said he and Mr. Schoenberger had prior commitments, but Mr. Myer was able to represent CCSWA last night at their annual dinner.

H. Computer Policy Update: The first part of this section has proposed changes to our current computer policy in red. The second part is an email retention policy recommended by the State of PA.

I. Second Amendment to Landfill Gas Rights & License of Landfill Agreement: Mr. Watts said this section contained Granger's markups to the agreement that we requested.

The Board adjourned to executive session to discuss a potential real estate acquisition. After the execution session, the Board resumed the public meeting.

5. Operations/Site Development Report:

A. Monthly Activity Report: Mr. Watts said he would give Mr. Myer's report today because he is on vacation. Mr. Watts said the landfill gas flow has been in the 2,900 cubic foot per minute range in September. Our rain gauge recorded 3.88" of rain for September. Mr. Watts said we started placing intermediate cover on the top of Area C and seeding it. We just finished rebuilding the transmission, pump and torque converter on our older compactor. We had four lambs born in September. Mr. Watts said there is a cost to cover waste report attached as well as PADEP and Caernarvon Township inspection reports.

6. Facility Engineer's Report:

A. Monthly Activity Report: The following items were included in the verbal report:

- The current Construction Service Contracts include: the Area D, Cell LFG System; the Area C LFG System Expansion; the 2009 Roadway Improvements Project; and the Cover System Repair near EW-312.
- Ludgate Engineering Corporation performed various surveys during this report period including: records drawing survey for the Area C LFG System Expansion; topographic survey of the existing Railroad Cut Stormwater Basin; and assistance with the 2009 Roadway Improvement Project.
- During this report period, SCS Engineers continued to provide Construction Phase Engineering (office support) Services on the 2009 Landfill Gas System Expansions.
- Work on the 2010 Capital Budget was initiated during this report period. The Capital Plan for Area C and Area D Landfill Projects dated September 30, 2005 was reviewed in order to determine the appropriate schedule for future closure construction of the active landfill cells and cover system removal on the Area B unit. Senior Staff discussed the content of the 2005 Capital Plan. It was agreed that the depletion rate and waste density assumptions from 2005 are now out of date and in need of revision. It was agreed that Table 1: Construction Staging Schedule Summary and Figure 1: Filling and Construction Schedule should be revised. A purchase order in the amount of \$6,850 was issued for ARM Group to make the necessary revisions.
- We are waiting for the submission of record drawings of the 2009 LFG System Expansions.
- Three written quotations were requested and obtained from geomembrane installers for the repairs to the final cover system near EW-312. The lowest price quote was received from Chesapeake Containment Systems, Inc. in the amount of \$7,000. A Purchase Order for the work was prepared and issued.
- The Application for the Minor Permit Modification for the relocation of the existing landfill gas flare station remains under PADEP review.
- A Pre-Construction Meeting for the 2009 Roadway Improvements Project was conducted on Thursday, October 15, 2009. Substantially Completion is to be achieved by November 13, 2009. The Authority Staff will be performing the field inspection and resident project representative function on this project.

B. Geosyntec Consultants – Status Report: A copy of the October 21, 2009 Project Status Report from Geosyntec Consultants was presented to the Board. Geosyntec is currently responding to local comments concerning the Area E Application for Permit Modification.

C. ARM – Status Report: The October 13, 2009 Status Report from the ARM Group Inc. was presented to the Board. The ARM Group is assisting with the Area E Permit Application, SRBC permitting, and updating the Area C and D Capital Plan.

D. EW-312 Final Report: The Executive Summary from the EW-312 Pyrolysis/Combustion Investigation and Abatement- Final Report was presented to the Board. The Report has been submitted to PADEP. A copy of the Form 37 Certification for LFG Wells A-1 to A-5 was also presented to the Board.

7. Water Management’s Report:

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

SEPTEMBER HIGHLIGHTS:

- September 2009 landfill leachate 1,099,804 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	291,592 gallons
Area B	102,692 gallons
Area D-1	204,952 gallons
Area D-2	407,545 gallons
Area D-3	59,472 gallons
Granger gas condensate	33,551 gallons

Year to date landfill leachate 5,277,925 gallons

- September 2008 landfill leachate 695,918 gallons
- September 2009 Rainfall 3.80”

LEACHATE INVENTORY UPDATE: (As of October 1, 2009)

T-101 Leachate Storage Tank	- 405,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 0 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 94,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 499,000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 27 %

LEACHATE COLLECTION SYSTEMS –

The Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 318,086 gallons was recirculated during the month of September 2009. Recirculation for the month was into both the leachate trenches and blankets.

Recirculation to date: 10/1/2009

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,318,357	1,888,720	
D	1,230,715	1,783,398	
E	1,367,401	2,631,930	
F	2,745,403	3,682,875	
G	2,875,105	5,066,750	
H	1,087,497	5,687,500	
Total	11,747,422 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 9,934,414 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	420,409	1,250,000
2	402,470	1,250,000
3	397,499	1,250,000
4	361,592	1,250,000
Total	1,581,970 (gal)	5,000,000 (gal)

UFRO Research and Development September 09

I have requested quotes from The EarthRes Group as well as Keystone Engineering Group for the compilation of the bid package as well as the project inspection and any correspondence that might be required with DEP. This quote will include an engineering estimate for the upgrade.

To date I have received the quote and estimate from Keystone and am waiting for the EarthRes group to respond.

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

- The UFRO Treatment System is currently operational and is performing well. The UF system is operating at an average of 6.4 gpm and the RO system is operating at an average flow rate of 7.5 gpm. The plant is averaging approximately **2,393 gpd** for the month of September 09.

The RO unit produced – **71,790** gallons of permeate during the month of September 2009

MONTHLY COST ESTIMATE	\$4,937.42	
Monthly Deprecation		\$8,294.27
Monthly Electric	\$1,842.00	
Total	\$6,779.42	
Cost Per Gallon	\$0.09	\$0.21

GROUND WATER INVENTORY UPDATE: 10/1/2009

Ground Water Storage Pond – 624,742 gallons 78 % of capacity

Total Ground Water received for September 2009 – 342,126 gallons

NPDES PERMIT COMPLIANCE –

NPDES PERMIT DMR PA 0082791 for Outfall 001 CONESTOGA RIVER dated December 2003 – The NPDES DMR Outfall 001, 100 and Outfall 101 for September 2009 will report full compliance with the new 2009 NPDES Permit. All Monitored Parameters were below required discharge limits.

8,664 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 333,462 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 301,126 gallons was discharged to the Conestoga River during September 2009.

8. Compliance Officer’s Report:

A. Monthly Activity Report: Ms. Devine mentioned there were no radiation alarms since the last meeting. Ms. Devine mentioned that she completed the quarterly perimeter gas monitoring and the water level measurements in the past month. Ms. Devine mentioned that she conducted bus tours during the Open House on Oct. 3rd. Ms. Devine also informed the Board that she attended “smoke school” for re-certification as a visible emissions evaluator as required by the facility’s Title V Permit. There were no questions for Ms. Devine and that concluded her report.

9. Recycling Coordinator’s Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of the meetings and events attended during the past month. Highlighted were the interviews by the Daily Local News and Mercury concerning Waste Watcher Awards, the Chamber’s choice of ING for the Green Business Award and a tour conducted to confirm the winning program. The New Garden Township HHW Event serviced 285 vehicles and collected 21,744 lbs. A meeting was held with Easttown Township to update their ordinance and bring it into compliance. Ms. Fromnick attended three HHW meetings concerning many questions associated with the RFP specs. Ms. Fromnick met with Phoenixville Area School District to review and correct recycling specs for future contracts. A tour was conducted at the BFI Recyclery for P & M participants, and the HHW Event was conducted at the GSC servicing at least 1200 cars. Ms. Fromnick toured the Longwood Gardens food waste composting site and met with Kendal-Crosslands Communities to discuss their interest in composting and possible application for PBR. Ms. Fromnick conducted a meeting of the P & M participants to discuss recycling costs and future options and she was an instructor for DEP’s Eastern PA Data Management training in Allentown.

B. Correspondence: In: Of special interest were the twenty-one 904 municipal applications received and reviewed and the 904 application submitted for the CCSWA. A DEP approval letter and \$5,147.82 cost reimbursement for the 2009 Electronics Collection Event were received.

Correspondence – Out: Noted were municipal composting surveys mailed to update records and confirm compliance and quarterly restaurant reports to municipalities.

C. Projects: Highlighted was the coordination of the Green Business Award. The Chester County Solid Waste Authority supported and provided master composter volunteers to conduct workshops and participate in community events.

10. Business Manager's Report.

A. September 2009 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for September 2009, indicating that the tonnage of 26,194.91 was 4.7% over budget and was higher than September 2008 by 1.5%.

B. September 2009 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding decreased from 33.23 days in August 2009 to 32.85 days in September 2009. Mr. Gorney stated that the decrease was due to faster payments from several accounts.

C. September 2009 Financial Statement: Mr. Gorney presented the Financials for September 2009 stating that we had a gain of \$323,233 for the month. Retained Earnings are at \$39,255,084. The funds invested totaled \$35,070,772.40 at month end. The interest earned in September 2009 was at a rate of 1.35% down from the 1.36% in August 2009. The rate decreased due to the rollover of funds to lower interest rates.

D. September 2009 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for September 2009 totaled \$562,614.35.

E. Large Dollar Check Approvals: Mr. Gorney presented the October 2009 Large Dollar invoices totaling \$338,261.20 consisting of the attached schedule 10E. Mr. Dilibero made a motion to accept the Large Dollar Invoices as presented; Mr. Shirk seconded the motion. The motion was carried by a unanimous vote.

F. Act 101 – 3rd Quarter 2009: Mr. Gorney presented the 3rd Quarter 2009 Act 101 Payment for October 2009 totaling \$825,876.38 consisting of the attached schedule 10F. Mr. Carosella made a motion to accept the 3rd quarter 2009 Act101 Payment for October 2009 as presented; Mr. Renzulli seconded the motion. The motion was carried by a unanimous vote.

G. Collateral Bond Rollover: Mr. Gorney presented the documents for the rollover of the \$2,628,000.00 U.S. Treasury Note. Mr. Dilibero made a motion to approve the Resolution as presented; Mr. Carosella seconded the motion. The motion was carried with a unanimous vote.

H. Investment Policy: The proposed Investment Policy was presented. Action on the policy was deferred to next week's meeting to allow for review.

There being no further business, the meeting was adjourned at 7:06 p.m.

Prepared by,

Peggy A. Cunius