

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

October 20, 2011

1. **Call to Order:** Bob Schoenberger, Chairman, called the October 20, 2011 *Work Session* 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
Carmen Battavio
William H. Shirk

Authority Members Absent

Peter Marroletti

Management and Staff Present

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

Solicitor

Vince Pompo, Esquire

2. **Chairman's Announcements/Public Comments.** The Chairman said he wanted to thank the staff, their spouses and relatives for making it another successful Open House.
3. **Meeting Minutes.** The minutes of the Work Session Meeting, September 22, 2011 and the Regular Session Meeting, September 29, 2011 will be approved at next week's Regular Session Meeting.
4. **Executive Director's Report.**

A. Monthly Activity Report: Mr. Watts said he would like to highlight a few items from his monthly report. Mr. Watts said he had some interesting questions on disposing of a tent camper and a helium tank. Mr. Watts said he believes he talked the people into recycling these items. Mr. Watts said he and Ms. Fromnick had been assisting the Honey Brook Borough Solicitor update their solid waste ordinance. Mr. Watts said the new owners of the Western Berks Landfill were confused if their facility was in the updated Chester County Plan as a backup facility. Mr. Watts confirmed that they were in the plan since 2009, but did not think we will be needing waste from the Lanchester Service Area to go to backup disposal facilities on a regular basis for at least the next two years. The Lanchester Landfill has an Allocation of 325,000 tons per year and we have been short of this the last few years. Mr. Watts said he, Ms. Nichols and Mr. Schoenberger; along with two of the Caernarvon Township Supervisors had a very informative visit to Waste Management's Alliance Landfill on the 6th to see how their woody vegetation final cap demonstration project was progressing.

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: Mr. Watts said the first article in this section was concerning the continued financial troubles at the Harrisburg incinerator causing the City to consider filing for bankruptcy. Keep Pennsylvania Beautiful in partnership with the Chester County Conservation District will start surveying the county for illegal dumps. CCSWA and SECCRA have offered to help with the cleanup. California has passed laws that have increased their recycling goal to 75%. SWANA has asked the US EPA to consider some of their suggestions to improve their biannual waste characterization study. There was an article in this section concerning Dallas, Texas becoming the largest city in the country to approve flow control. Also in this section was an article concerning the efforts in turning New York's 2,200 acre landfill into a park.

D. Letter From Delaware Valley Insurance Trust: Included in this section is a copy of the Certificate of Recognition they awarded CCSWA, "For exemplary achievement and leadership in minimizing workplace injuries and illness during 2010."

E. Thank You Letters: This section contains a copy of five recent letters. The first was from an attendee of the Open House. Two were from local schools - the Blue Ball Elementary School and the Garden Spot High School. A letter from Historic Poole Forge for our donation to their Heritage Day event. The last letter in this section was from the Delaware County Solid Waste Authority for our help with testing their leachate.

F. Request For Donations: This section contained a request for a donation to help defray energy costs for the Caernarvon Historical Society.

5. Operations/Site Development Report:

A. Monthly Activity Report: Mr. Watts said the landfill gas flow has been in the 3,000 cubic foot per minute range in September. Our rain gauge recorded 11.74" of rain for September. Mr. Watts said our contractor started processing wood during the end of September and finished up in early October. On October 12th Dawn Nichols spoke with

the Honey Brook Ladies Auxiliary about our Wildlife Habitat Program. This section included a copy of the handwritten inspection by PADEP that was completed on September 12th, there were no concerns noted.

6. Facility Engineer's Report:

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

- Work completed on the Enclosed Flare Station Relocation Contract during this report period included: the connection to the existing 18-inch diameter landfill gas header pipe; the installation of the power service line; and the disassembly of the existing control system shed, blower skid and flare stacks. On October 13 and 14, 2011 the existing control system shed, blower skid, flare stack were moved to the new location. Substantial completion is scheduled for Wednesday November 9, 2011.
- A Pre-Construction Conference for the Area E, Stage 1A Construction was conducted on Wednesday, October 5, 2011. The submittal and review process remains in progress. During this report period, work included: mobilization of equipment; construction surveying and land clearing near Sedimentation Pond No. 1. The total contract price for this project is \$3,986,861.
- As of October 19, 2011, Drillmore Construction reports that the installation of approximately 1,500 feet of perforated 6-inch horizontal collection pipe work remains to be completed. Drillmore also reports that all work should be completed in about 3 to 4 weeks. The total proposed cost of Cell D2 LFG system expansion is \$252,066.
- During this report period Ludgate Engineering surveyed the Area D, Cell landfill gas system expansion. Preliminary design phase work on the public sewer and water extensions included off-site wetlands survey. The Bog Turtle clearance was received during this period. Other environmental clearances are still pending.
- Construction photographs of the flare station relocation were attached to the report.

B. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated October 17, 2011 was presented to the Board for review. ARM's services during the period included: engineering services for the Area E, Stage 1A; design phase services for Area E, Stage 1B; and permitting phase services for Area E, minor permit application.

C. SCS Engineers – Monthly Status Report: A copy of Monthly Progress Report No. 16 from SCS dated October 19, 2011 was presented to the Board for review. SCS provided design and inspection services on the Flare Station Relocation project during this period.

D. Barton & Loguidice – Monthly Status Report: A copy of the Monthly Status Report from Barton & Loguidice dated October 18, 2011 was presented to the Board for

review. Barton & Loguidice provided inspection services on the Area E, Stage 1A Construction during this period. Services concerning potential photovoltaic and woody vegetation projects were also provided during this period.

7. Water Management’s Report:

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

SEPTEMBER HIGHLIGHTS:

- September 2011 landfill leachate 918,811 gallons (includes gas condensate)
 Leachate by area breakdown:

Area C	251,369 gallons
Area B	138,264 gallons
Area D	499,889 gallons
Granger gas condensate	29,289 gallons
- September 2010 landfill leachate 352,929 gallons
- September 2011 Rainfall 11.72”

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

T-101 Leachate Storage Tank	- 487,500 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 480,000 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 90,000 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 - 57 %

LEACHATE COLLECTION SYSTEMS

Currently the Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 458,400 gallons was recirculated during the month of September 2011. Recirculation for the month was into the leachate trenches.

Recirculation to date: 10/1/2011

Trench #	Recirculated (gal)	Maximum (gal)	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,774,103	1,888,720	
D	1,693,214	1,783,398	
E	1,760,450	2,631,930	
F	2,974,144	3,682,875	
G	3,066,915	5,066,750	
<u>H</u>	<u>1,231,713</u>	<u>5,687,500</u>	
Total	13,593,290 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 8,088,546 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	596,261	1,250,000
2	551,210	1,250,000
3	627,929	1,250,000
4	602,428	1,250,000
Total	2,306,368 (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 7.6 gpm and the RO system is operating at an average flow rate of 10.0 gpm during the month of September. The plants 30 day average is approximately **3,634 gpd**.

The RO unit produced – **87,223** gallons of permeate during September 2011

Monthly Cost Estimate	\$3,736.26
Monthly Electric	\$1,836.26
Total	\$5,572.52
Cost Per Gallon	\$0.06

- Ultra Filtration Upgrade Project – Currently waiting on Keystone Engineering Group to finalize the project agreement.

GROUND WATER INVENTORY UPDATE: 10/1/2011

- Ground Water Storage Pond – 683,400 gallons 85% of capacity
- The Ground Water Storage Pond maintained a manageable level during September 2011 with a constant discharge to Outfall 001.
- Total Ground Water received for September 2011 – 514,050 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 September 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 of 882,600 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 882,600 gallons was discharged to the Conestoga River (Outfall 001) during September 2011.

8. Compliance Officer's Report:

A. Monthly Activity Report: Ms. Devine mentioned that the third quarter groundwater results are expected before the end of the month.

Ms. Devine reported there were no radiation alarms since the last meeting. Ms. Devine also stated that required semi-annual storm water samples were collected on October 19th. Other sampling or monitoring that was completed in the past month included: collection

of required drinking water samples and measurement of depth to water levels in on-site wells. Ms. Devine also informed the Board that she had attended “smoke school” for re-certification as a visible emissions evaluator as required by our Title V Permit.

9. Recycling Coordinator’s Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. Of note: Ms. Fromnick chaired the Chamber Business Advisory Committee, which chose Longwood Gardens to be the recipient of this year’s Green Business Award; an early November tour is planned by the committee to confirm their accomplishments; the Regional HHW Committee Meeting reviewed the six responses to the e-waste RFP; the first waste audit training was conducted with all attendees agreeing to its success; the GSC HHW Event serviced over 2,033 households, the largest event in the history of the program; and Chester County hosted a well-attended PROP/Penn State Enforcement and Prosecution Workshops. Efforts will be made to encourage additional PROP workshops convenient for Chester County recycling officials.

B. Correspondence: Among the items listed; the P & M Contract Amendment and DEP notification of the 2010 903 Recycling Coordinators Grant Approval for reimbursement.

C. Projects: Ms. Fromnick provided a list of projects and commented that a compliance workshop is scheduled for newly mandated municipalities.

10. Business Manager’s Report.

A. September 2011 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for September 2011, indicating that the tonnage of 28,086.12 was 10.2% over budget and was higher than September 2010 by 17.0%.

B. September 2011 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding increased from 35.29 days in August 2011 to 39.65 days in September 2011. Mr. Gorney stated that the increase was due to faster payments from several larger accounts.

C. September 2011 Financial Statement: Mr. Gorney presented the Financials for September 2011 stating that we had a gain of \$476,393 for the month. Retained Earnings are at \$48,623,111. The funds invested totaled \$45,576,883.74 at month end. The interest earned in September 2011 was at a rate of 0.45% compared to 0.45% in August 2011.

D. September 2011 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for September 2011 totaled \$1,066,592.49.

E. Large Dollar Check Approvals: Mr. Gorney presented the October 2011 Large Dollar invoices totaling \$384,875.03, consisting of the attached schedule 10E. Mr.

Marroletti made a motion to accept the Large Dollar Invoices as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.

F. Act 101 – 3rd Quarter 2011: Mr. Gorney presented the 3rd Quarter 2011 Act 101 Payment for October 2011 totaling \$875,724.58 consisting of the attached schedule 10F. Mr. Carosella made a motion to accept the 2nd quarter 2011 Act 101 payment for July 2011 as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

G. National Bank of Malvern – CD Investment Opportunity: Mr. Gorney presented the financials for The National Bank of Malvern, recommending a \$250,000.00 deposit for 18 months at an interest rate of 1.0%. Mr. Battavio made a motion to accept the recommendation to invest the funds as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

There being no further business, the meeting was adjourned at 6:38 p.m.

Prepared by,

Peggy A. Cunius