

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

September 22, 2011

1. **Call to Order:** Bob Schoenberger, Chairman, called the September 22, 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
William H. Shirk
Vince Carosella
Carmen Battavio

Authority Members Absent

Peter Marroletti

Management and Staff Present

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

Solicitor

Mark Thompson, Esquire

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

The Chairman had no announcements.

3. **Meeting Minutes.** The minutes of the August 18, 2011 Combined *Work & Regular Meeting Session Meeting* will be approved at next week's *Regular Session*.

4. Executive Director's Report.

A. Monthly Activity Report: Mr. Watts said he wanted to remind the Board Members about the Open House next Saturday from 9am to 1pm. Mr. Watts also wanted to remind the Board Members that we are planning a trip to Waste Management's Alliance Landfill to look at their alternate final cap demonstration project. Mr. Watts said they have been growing trees on their final cap for about five years. Mr. Watts said most of the activities this month were routine. Mr. Watts said he has been contacted by several municipalities concerning pricing for tipping fees for next year. Mr. Watts said the Chairman and Mr. Laird have meet with Manaf Farhan, Ph.D., P.E. concerning his ideas to improve leachate treatment flow rates. We have also completed the second meeting with representatives of Reading Electric Renewables about locating solar panels on the Mountain Top Landfill. Mr. Watts thanked the Board for the opportunity to attend SWANA's 2011 annual meeting.

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 PADEP press release in this section was concerning their efforts to help clean up debris from the recent storms. The PADEP called and asked if we needed to extend our hours, but we told them we had not received requests from our customers so we did not need it this time. Mr. Watts said there was a September 15, 2011 article in this section from the *Intelligencer Journal* that discussed mandatory trash collection and cleaning up illegal dumps. Mr. Watts said Cleanup PA had contacted the Chester County Conservation District to start an illegal dump cleanup in Chester County. Mr. Watts said the he and the Executive Director at SECCRA have developed a plan to help the Conservation District in their cleanup efforts.

D. Letter to Roman Rolloff Inc. Mr. Watts said this section contained a letter sent by our attorney to them concerning a Motion to Mold Default Judgment.

E. Letter From Chester County Emergency Planning Coordinator: Was discussed and the Board asked Mr. Watts to ask them some questions concerning liability and payment.

F. Request For Donations: Mr. Watts said this section contained four recent requests for donations.

G. Compost Turner Purchase: Mr. Watts said as previously discussed our compost turner is getting old and not really up to the job of working in our tight space with the volume of material we receive. Mr. Watts said Vermeer has a compost turner specifically designed to work in tight spaces that is a 2009 model that they would like to take off of

demonstration. The turner has 244 hours and would have a full warranty at a discount off of the state contract of over 20%. Mr. DiLibero moved and Mr. Battavio seconded purchasing a Vermeer CT1010TX compost turner for \$316,000. The vote was unanimous.

H. Chester County Waste Destinations 2nd Quarter 2011 (Executive Session): This section a bar graph comparing the year to year tonnage disposed of at various facilities. Mr. Watts said there was a year to year increase and Lanchester received a greater percentage of the total waste disposed.

I. Host Agreement and Property Value Guarantee Agreement Carernarvon Township (Executive Session): Were discussed.

5. Operations/Site Development Report:

A. Monthly Activity Report: Mr. Watts said landfill gas is flowing at about 2,900 cfm. We received 10.86” of rain for August. Mr. Watts said most of the activities for the month were routine and the inspection report from PADEP is included in this section and was good.

6. Facility Engineer’s Report:

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

- A pre-construction conference for the Enclosed Flare Station Relocation Contract was held on August 29, 2011. Test pit excavations and a pre-construction survey were conducted on September 7, 2011. The pre-construction survey identified a mistake in the location of the concrete foundations furnished by Granger Energy and their contractor. This matter was discussed during the Progress Meeting conducted on September 14, 2011. Details concerning the discussion are found in the minutes of the Progress Meeting. The total contract price for this project is \$468,880.
- On or about September 12, 2011, Drillmore Construction submitted a new Certificate of Insurance. Since that time, Drillmore Construction has been assisting the operations staff with landfill gas collection system modifications needed to prepare Area B for overfilling. I have asked that Drillmore furnish a current progress report. The total proposed cost of the Cell D2 LFG system expansion is \$252,066.

- During this report period the agreement with the Harnden Group for the Area E, Stage 1A Construction was executed. A Notice to Proceed was issued on September 19, 2011. The effective date of the notice to proceed is October 1, 2011. A Pre-Construction Conference is scheduled for Wednesday, October 5, 2011 at 1:00 pm. The total contract price for this project is \$3,986,861.

- During this report period Ludgate Engineering performed a quality assurance survey to verify the locations of the Flare Station foundations constructed by Granger Energy and their contractor, RCO Construction. The survey confirmed that the pre-construction survey was valid and that the Granger survey was not.
- Comments and questions were exchanged with Barton & Loguidice (B&L) during this report period concerning the draft Request for Proposals for a potential Photovoltaic (PV) Project. The latest draft remains under review. During this report period B&L was interviewed for the inspection services needed for Area E, Stage 1A.

B. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated September 21, 2011 was presented to the Board for review. The PADEP Permit for the Closure Turf™ Demonstration Project was issued on September 19, 2011.

C. SCS Engineers – Monthly Status Report: A copy of Progress Report No. 15 from SCS dated September 20, 2011 concerning the Cell D2 LFG Collection System Expansion and the Flare Station Relocation was presented to the Board for review.

D. Enclosed Flare Station Relocation: A copy of the minutes of the September 14, 2011 progress meeting concerning the Enclosed Flare Relocation Project was presented to the Board for review. These minutes document discussion concerning the defective survey work that led to the incorrect placement of the new concrete foundations. A drawing of the foundation locations was attached.

E. Area E, Stage 1A, RPR & CQA Services: The Cost Proposal Summary Table for the Area E, Stage 1A, RPR Services was presented to the Board. B&L submitted the lowest cost proposal in the amount \$208,811. The selection of B&L was recommended. A motion to accept the B&L proposal was made by Carmen Battavio with a second by Ramsey DiLibero. The motion passed.

7. Water Management’s Report:

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

AUGUST HIGHLIGHTS:

- August 2011 landfill leachate 521,586 gallons (includes gas condensate)
Leachate by area breakdown:

Area C	144,860 gallons
Area B	127,367 gallons
Area D	249,359 gallons
Granger gas condensate	38,461 gallons
- August 2010 landfill leachate 541,702 gallons
- August 2011 Rainfall 10.98”

LEACHATE INVENTORY UPDATE: (As of September 21, 2011)

T-101 Leachate Storage Tank	- 540,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 500,000 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 100,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 1,140,000 gallons	capacity – 1,810,000 gallons

Total percent of storage utilized - 62 %

LEACHATE COLLECTION SYSTEMS

Currently the Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 228,600 gallons was recirculated during the month of August 2011. Recirculation for the month was into the leachate trenches on weekdays and blankets on weekends.

Recirculation to date: 9/1/2011

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,618,303	1,888,720	
D	1,547,589	1,783,398	
E	1,603,475	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	13,134,890 (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	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 7.3 gpm and the RO system is operating at an average flow rate of 10.6 gpm during the month of August. The plants 22 day average is approximately **3,495 gpd.**

The RO unit produced – **76,880** gallons of permeate during August 2011

MONTHLY COST ESTIMATE	\$3,648.05
Monthly Electric	\$1,798.00
Total	\$5,446.05
Cost Per Gallon	\$0.07

GROUND WATER INVENTORY UPDATE: 9/1/2011

- Ground Water Storage Pond – 700,000 gallons 87.5 % of capacity
- The Ground Water Storage Pond maintained a manageable level during August 2011 with a constant discharge to Outfall 001.
- Total Ground Water received for August 2011 – 132,306 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 July 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 211,100 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 211,100 gallons was discharged to the Conestoga River (Outfall 001) during August 2011.

8. Compliance Officer’s Report:

A. Monthly Activity Report: Ms. Devine reported that the annual calibration of the fixed radiation detectors was completed on August 23, 2011. There was one radiation alarm since the last meeting. The waste was commercial waste from Phoenixville that set off the alarms at the Norristown transfer station. It was checked when it came in to Lanchester and the isotope was confirmed as Tc-99m. The load was landfilled.

Ms. Devine mentioned that she met with Rob from Hafer Petroleum on August 31st for an UST inspection. The inspection is required every 3 years.

Ms. Devine also mentioned that John Spang from DEP was on-site to conduct an inspection of the residual waste files and the required Form 26R’s.

Ms. Devine also reported that she conducted the quarterly perimeter gas monitoring and there were no issues to report.

9. Recycling Coordinator’s Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. Ms. Fromnick commented on the two Regional HHW Meetings, Two e-scrap tours and the e-waste RFP. Ms. Fromnick reminded everyone that the last HHW event of the year is October 8. The September 10 New Garden event processed 257 vehicles. Material was accepted from a Delaware State resident with the understanding that Ms. Fromnick would be copied on his letter to his state representative suggesting cooperation with Chester County. Ms. Fromnick did receive that letter which she forwarded to State Representative Chris Ross.

B. Correspondence: Among the items listed, a NAHMMA Longstanding Program Excellence Award notification was received and with Ms. Fromnick's urging the DLN published two Arborganic Acres food waste composting articles in the regular newspaper and another in the Biz two days later. Ms. Fromnick submitted the Electronics/shredding Event Act 190 Application for Reimbursement on behalf of the CCSWA and also a three events and education Act 190 Application for Reimbursement on behalf of the County and the CCSWA. Chester County is hosting the Penn State Recycling 461 & 462 Certification classes in an effort to encourage local municipal attendance.

C. Projects: Ms. Fromnick provided a list of projects and commented that the 2010 annual recycling report has been completed. Clear Stream recycling containers were used at four listed community events. Recent grant awards, a thank you letter and the Arborganic Acres press releases were attached.

10. Business Manager's Report.

A. August 2011 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for August 2011, indicating that the tonnage of 29,511.29 was 15.2% over budget and was higher than August 2010 by 18.2%.

B. August 2011 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding decreased from 37.82 days in July 2011 to 35.29 days in August 2011. Mr. Gorney stated that the increase was due to faster payments from several larger accounts.

C. August 2011 Financial Statement: Mr. Gorney presented the Financials for August 2011 stating that we had a gain of \$520,333 for the month. Retained Earnings are at \$48,146,718. The funds invested totaled \$45,322,389.03 at month end. The interest earned in August 2011 was at a rate of 0.45% compared to 0.46% in June 2011.

D. August 2011 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for August 2011 totaled \$489,195.62

E. Large Dollar Check Approvals: Mr. Gorney presented the September 2011 Large Dollar invoices totaling \$388,646.17, consisting of 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.

There being no further business, the meeting was adjourned at 6:51 p.m.

Prepared by,

Peggy A. Cunius