

# CHESTER COUNTY SOLID WASTE AUTHORITY

## *Work Session — Lanchester*

*March 24, 2011*

1. **Call to Order:** Bob Schoenberger, Chairman, called the March 24, 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  
Peter Knipe  
Peter Marroletti  
Vince Carosella  
Carmen Battavio

*Authority Members Absent*

William H. Shirk

*Management and Staff Present*

Robert A. Watts  
James M. Gorney  
Gary A. Laird  
Owen R. Esterly  
Teresa A. Devine

*Solicitor*

Vincent M. Pompo, Esquire

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

The Chairman said we will start the meeting with the Auditor's report.

3. **Meeting Minutes.** Mr. Schoenberger said that the minutes of the February 17, 2011 *Work Session Meeting* and the February 24, 2011 *Regular Session Meeting* will be considered next week.

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

**A. Monthly Activity Report:** Mr. Watts said that on March 10<sup>th</sup> the letter from PADEP that fees for NPDES permits have increased. Mr. Watts said he believes that our new website makes it easier for people to find information on waste disposal and recycling and how to ask us questions. Mr. Watts said he also meet with a few residents from Friendship Drive that are planning to list their homes for sale soon.

**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:** The first article in this section was concerning the Mayor of New York City considering waste to energy disposal for the city. The section also contained a few articles on plasma arc and other alternative disposal technologies. There was an article concerning Penn Township's struggle to enact a burning ordinance. There was a *Reading Eagle* article concerning that the Conestoga landfill is considering fracking to solve some of their groundwater challenges. There were two articles about the Lancaster Solid Waste Management Authority offering the Harrisburg Authority \$45 million for their waste to energy facility. There was also an article concerning our co-sponsorship of the Chester County Green Business Awards and a recycling video contest.

**D. Legislation:** This section contained an article from SWANA concerning recent legislation that would strip EPA of their ability to regulate greenhouse gases. The second part of this section was a spreadsheet of state legislation of interest. HB 206 would allow Counties to charge up to \$4.00 per ton administrative fees.

**E. Geosyntec Letter:** This section contained the closeout agreement with Geosyntec engineers of their work on the Area E Landfill Expansion.

**F. Warning Notices:** The first item in this section is a copy of a letter our Solicitor sent notifying one of five disposal facilities that accepted Chester County Waste and are not permitted to do under the updated Chester County Plan and Ordinance. The second page in this section is a spreadsheet listing the facilities and the tonnage of waste that originated from Chester County in the 4<sup>th</sup> quarter of 2010.

**G. Chester County Waste Generation History:** This section contains a graph of the total quantity of waste generated by Chester County for the years 1989 through 2010 and the total quantity generated in Chester County that was disposed of at the Lanchester Landfill.

**H. Area E Property Value Guarantee Agreement:** This section contains a copy of a letter sent to the Caernarvon Township Board of Supervisors on March 2, 2011 and a copy of a draft Area E Property Value Guarantee Agreement.

## **5. Operations/Site Development Report:**

**A. Monthly Activity Report:** The quantity of landfill gas produced has remained constant at about 2,800cfm. The precipitation recorded in February amounted to 2.40 inches and was a fairly windy month. Most items were routine for the month. We were successful in continuing to obtain a significant quantity of alternate daily cover in February. There were no inspection reports available at this time.

## 6. Facility Engineer's Report:

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

- There was no activity to report on the Area D, Cell 2 LFG Collection System Expansion. We are still waiting for Drillmore Construction to submit a proposal and schedule.
- The surveying tasks completed by Ludgate Engineering during this period included: the 2010 volume and compaction calculations; and the Area E design phase surveying.
- During this period several documents and emails were exchanged with Granger Energy concerning their proposal to contribute new electrical equipment needed for the flare station relocation. I reviewed and responded to the documents.
- During this period I was asked to help revise the contract language for use on the 2011 Hydro-Seeding Contract. In response I prepared draft General and Supplementary Conditions and other bidding forms suitable for the public bidding.
- During this report period I responded to requests and questions from ARM concerning the Area E design phase data collection task.
- On February 28, 2011 I participated in the project kick-off meeting for the Woody Vegetation Plan. Available records and information were furnished to B&L at the meeting.
- On March 22, 2011 PADEP issued a letter to indicate that the permit application for the Closure Turf™ Demonstration Project was found to be administratively complete.
- On February 17, 2011 I received a telephone call from Mr. John Oren of PADEP. Mr. Oren indicated that PADEP is currently reviewing a new application to apply leachate at the working face. He asked for our thoughts and suggestions concerning our experience with this practice at Lanchester. Mr. Oren also asked if the Authority was concerned with the lack of a press release concerning the Area E permit modification. He also asked about our leachate storage and hauling practices, indicating that he still needs to respond to my earlier letter. I responded to each of these inquiries.

**B. Granger Energy – Contribution of Equipment:** A copy of the March 17, 2011 letter from Granger concerning the contribution of equipment towards the flare station relocation was presented to the Board and discussed. A Bill of Materials was attached to the letter.

**C. SCS Engineers – Monthly Progress Report:** A copy of Progress Report No. 9 from SCS dated March 21, 2011 concerning the Cell D2 LFG Collection System Expansion and the Flare Station Relocation was presented to the Board. The report included an updated progress schedule for the flare relocation. During this period SCS Engineers provided design phase services for the Flare Station Relocation Project.

**D. SCS Engineers – Bidding Phase Services:** A copy of the March 21, 2011 proposal letter from SCS Engineers was presented to the Board. The proposal was prepared in response to changes proposed by Granger Energy on the flare relocation project. The cost proposal also considers Bidding Phase Services. It was recommended that the Board authorize the proposed services in the amount of \$13,000. A motion was made by Peter Marroletti with a second by Vince Carosella. The motion passed.

**E. ARM Group Inc. – Monthly Status Report:** A copy of the Monthly Status Report from the ARM Group dated March 22, 2011 was presented to the Board for review. During this period the ARM Group provided permitting phase engineering services for the Closure Turf™ Demonstration Project and design phase services for Area E, Stage 1A and 1B.

**F. Barton & Loguidice, P.C. – Monthly Progress Report:** A copy of the March 22, 2011 monthly Progress Report from Barton & Loguidice was presented to the Board for review. During this period, Barton & Loguidice provided post closure planning phase services for woody vegetation.

**G. Sanborn Head and Associates – Monthly Progress Report:** A copy of the March 2011 Project Status report from Sanborn Head was presented to the Board for review. During this period Sanborn Head provided assistance with the 2010 Annual Leachate Recirculation Report and the Landfill Gas Management Suite™ database.

**7. Water Management’s Report:**

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

**FEBRUARY HIGHLIGHTS:**

- February 2011 landfill leachate 634,577 gallons (includes gas condensate)
  - Leachate by area breakdown:
  - Area C 214,666 gallons
  - Area B 148,327 gallons
  - Area D-1 164,067 gallons
  - Area D-2 25,130 gallons
  - Area D-3 74,764 gallons
  - Granger gas condensate 7,623 gallons
- February 2010 landfill leachate 661,927 gallons
- February 2011 Rainfall 2.70”

**LEACHATE INVENTORY UPDATE:** (As of March 18, 2011)

T-101 Leachate Storage Tank	- 450,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 442,000 gallons	capacity – 850,000 gallons
T-100 Equalization Tank	- 110,000 gallons	capacity – 110,000 gallons
<b>Total Leachate Inventory</b>	<b>- 1,00,2500 gallons</b>	<b>capacity –1,810,000 gallons</b>

Total percent of storage utilized - 56 %

**LEACHATE COLLECTION SYSTEMS**

Currently the Leachate collection system is 100% operational.

**RECIRCULATION SYSTEM**

- 568,100 gallons was recirculated during the month of February 2011. Recirculation for the month was into the leachate blankets and trenches. This does include recirculation on weekends.

**Recirculation to date: 3/1/2011**

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,548,762	1,888,720	
D	1,481,915	1,783,398	
E	1,525,632	2,631,930	
F	2,941,032	3,682,875	
G	3,045,512	5,066,750	
H	1,204,602	5,687,500	
<b>Total</b>	<b>12,905,446 (gal)</b>	<b>21,681,836 (gal)</b>	

Remaining Trench Capacity – 8,776,390 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	134,227	1,250,000
2	141,236	1,250,000
3	164,727	1,250,000
4	158,897	1,250,000
<b>Total</b>	<b>599,087 (gal)</b>	<b>5,000,000 (gal)</b>

**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 8.7 gpm and the RO system is operating at an average flow rate of 10.6 gpm during the month of February. The plants 28 day average is approximately **3,408 gpd.**

The RO unit produced – **95,430** gallons of permeate during February 2011

MONTHLY COST ESTIMATE	\$4,605.64
Monthly Electric	\$2,831.96
<b>Total</b>	<b>\$7,437.60</b>
<b>Cost Per Gallon</b>	<b>\$0.08</b>

- Proposals have been requested for Engineering Services associated with the 2011 UFRO upgrade. The upgrade will include two additional Ultra Filtration Membranes and two bag filter canisters.

**GROUND WATER INVENTORY UPDATE: 2/1/2011**

Ground Water Storage Pond – 560,000 gallons 70 % of capacity

The Ground Water Storage Pond maintained a manageable level during February 2011.

Total Ground Water received for February 2011 – 161,938 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 February 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 478,300 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 478,300 gallons was discharged to the Conestoga River (Outfall 001) during February 2011.

**8. Compliance Officer’s Report:**

**A. Monthly Activity Report:** Ms. Devine mentioned that Golder Assoc. has been assisting with technical specs for the Ground Water RFP. Ms. Devine said she hopes to release the RFP soon. Ms. Devine reported that there was one radiation alarm since the last meeting. It was a load rejected at SECCRA. By the time the load got to Lanchester it did not set off our alarms. Ms. Devine mentioned she checked the exterior of the truck and could not find an elevated reading. SECCRA had identified the isotope as Tc-99 which has a 6 hour half life. The load was landfilled.

Ms. Devine stated that she collected stormwater samples on March 10<sup>th</sup>. In the past month she also updated the site compliance history. Ms. Devine also reported that she had submitted a grant application to DVIT for a \$3000 grant for reimbursement of qualifying safety purchases.

Ms. Devine also reported that she accompanied DEP inspector John Pollock and HMI Andrew Gaul on a site inspection on March 4<sup>th</sup>. There were no areas of concern noted during the inspection.

Ms. Devine also mentioned that she conducted the quarterly checks of the perimeter gas probes on March 18<sup>th</sup> and there were no problem areas to report.

Mr. Knipe commented that Ms. Devine's written report read that she had checked the exterior of the truck for radiation and could find an elevated reading. Ms. Devine stated that was an error and the final sentence in that section should read "I checked the exterior of the truck and could **not** find an elevated reading."

**9. Recycling Coordinator's Report:**

**A. Monthly Activity Report:** Mr. Watts said he will highlight the website training Ms. Fromnick and her assistant received during this time. They also spent significant time reorganizing the recycling and hazardous waste sections of the new website.

**10. Business Manager's Report.**

**A. February 2011 Monthly Tonnage Report:** Mr. Gorney presented the Tonnage Report for February 2011, indicating that the tonnage of 19,575.92 was 1.6% over budget and was higher than February 2010 by 14.8%.

**B. February 2011 Accounts Receivable:** Mr. Gorney stated that receivables day sales outstanding increased from 34.78 days in February 2010 to 39.66 days in February 2011. Mr. Gorney stated that the increase was due to slower payments from several larger accounts.

**C. February 2011 Financial Statement:** Mr. Gorney present the Financials for February 2011 stating that we had a gain of \$242,899 for the month. Retained Earnings are at \$45,310,312. The funds invested totaled \$41,261,126 at month end. The interest earned in February 2011 was at a rate of 0.46% slightly under the 0.53% in January 2011.

**D. February 2011 Vendor Check Register Report:** The Vendor Check Register Was presented to the Board. The checks for February 2011 totaled \$279,167.15.

**E. Large Dollar Check Approvals:** Mr. Gorney presented the March 2011 Large Dollar invoices totaling \$357,527.72, consisting of the attached schedule 10E. Mr. DiLibero 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. 2010 Auditor's Report:** The December 31, 2010 and 2009 audit report along With comments to the Board was presented by Christina R. Chepel and David Lindquist of KPMG. Action on acceptance of the report was deferred to the regular meeting on March 31, 2011.

There being no further business, the meeting was adjourned at 7:12 p.m.

Prepared by,

Peggy A. Cunius