

# CHESTER COUNTY SOLID WASTE AUTHORITY

## *Work Session — Lanchester*

*January 20, 2011*

- 1. Call to Order:** Bob Schoenberger, Chairman, called the January 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  
Peter Marroletti  
William H. Shirk  
Vince Carosella

*Authority Members Absent*

Ramsey G. DiLibero  
Carmen Battavio

*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. The Chairman said the first order of business was the election of Officers to the Authority Board for 2011. Mr. Pompo was appointed temporary Chairman for the vote for Chairman. Mr. Shirk moved and Mr. Carosella seconded keeping all other officers the same for 2011 as in 2010. The vote was unanimous.

- 3. Meeting Minutes.** The minutes of the *Combined Meeting Session* of December 16, 2010 are in the Board Book for approval at the *Regular Session Meeting* next week.

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

**A. Monthly Activity Report:** Mr. Watts said he wanted to highlight a few items in his report. Mr. Watts said he recently received an email from Senator Mike Brubacker that he has been named the Finance Committee Chairman and also the Chairman of the Chesapeake Bay Commission. Mr. Watts said he also started receiving this month copies of information exchanged between the Southeast Region PADEP Office and applicants that are applying for or modifying solid waste permits (the Chester County Health Department will still receive copies of applications from CCSWA or SECCRA). Mr. Watts reminded the Board the County Health Department asked the Authority to take over this responsibility and the Commissioners approved it last month. Mr. Watts said he recently met with the Eagle Scout candidate and his parents to give approval of the trail project he completed on Authority's property this fall.

**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:** Mr. Watts said the lead article in this section was concerning a 4.2MW solar facility planned for the top of a landfill in Massachusetts. Mr. Watts said the economics of the solar projects are better in Massachusetts because of their higher electric rate and state incentives. There was an article in this section concerning of the award of a \$5.3 million dollar project to move soil for the Frey Farm Landfill in Lancaster County expansion.

**D. Thank You Letters:** Mr. Watts said this section contains seven thank you letters we received for recent donations.

**E. SWANA National Update:** Mr. Watts said this section contains litigation SWANA is tracking on Greenhouse Gases and Flow Control.

**F. Health Department Email to Waste Management:** This section contains a January 10<sup>th</sup> email from Chester County's Health Department explaining why Waste Management's GROWS North Landfill was not included in the 2009 Plan Update.

**G. Proposed New Job Descriptions:** The first page of this section contains CCSWA's operational organizational chart before and after the retirement of the Operations Superintendent. Mr. Watts said he is suggesting shifting duties from Superintendent to his two assistants and changing their titles and Job Descriptions. Copies of the old and new Job Descriptions are in this section as well.

**H. Property Value Guarantee Policy:** Mr. Watts said this is the same policy the Board reviewed last month with a few minor revisions is included in this month's book.

**I. Area E Host Municipality Benefits Agreement:** Mr. Watts pointed out the changes that were proposed from the Area D Agreement are included in this draft for the Board's review.

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

**A. Monthly Activity Report:** Mr. Watts said most of the activities for the month were routine. He said we recorded 2.89" of rain for the month and 45.09" for the year. The landfill gas flow has been averaging about 2,900 CFM and they have been running one or no engines depending upon the customers demand for landfill gas. New water and fuel trucks have been ordered and we will be demonstrating a sweeper for the Small Load Facility next week.

**6. Facility Engineer's Report:**

**A. Monthly Activity Report:** The Monthly Engineer's Report for January 2011 was presented to the Board. The following items were presented in the verbal report.

- There is currently no construction activity to report.
- During this report period the aerial photography of the landfill was completed and the large scale photograph was delivered. Other survey tasks performed during this report period are listed in the Report under Ludgate Engineering's Assignments.
- During this report period the ARM Group, Sanborn Head and Associates, and Weston Solutions were preparing proposals for the *Area E, Stages 1A, 1B and 2 Design Phase Services* was prepared. During the period I responded to questions from the prospective consultants and issued clarifications as appropriate. The date for the receipt of proposals was extended to January 19, 2011. A summary of the cost proposals is provided in Section 6. F.
- On January 11, 2011 I met with Peter Eisenbrown, P.E. of Ludgate Engineering Corporation concerning the Area E design phase survey. The survey remains in progress.
- Three proposals for the preparation of an update to the Authority's Landfill Landscape and Woody Vegetation Plan were received On January 14, 2011. A summary of the cost proposals is provided in Section 6. E.
- During this report period I reviewed a draft Permit Modification Application (PMA) prepared by the ARM Group. Comments concerning the PMA were compiled and sent to the ARM Group during the week of January 10. Revisions to the drawings are in progress.
- During this report period draft design documents of the Public Sewer and Water System Extensions were reviewed and comments were compiled. The comments were sent to Ludgate Engineering Corporation on December 24, 2010.
- The draft design documents for Cell D2 LFG Collection System Expansion was received from SCS Engineers on December 30, 2010. The documents have been forwarded to Granger Energy for their review and comment.

**B. SCS Engineers – Monthly Progress Report:** A copy of Progress Report No. 7 from SCS dated January 17, 2011 concerning the Cell D2 LFG Collection System Expansion and the Flare Station Relocation was presented to the Board for review.

**C. ARM Group Inc. – Monthly Status Report:** A copy of the Monthly Status Report from the ARM Group dated January 18, 2011 was presented to the Board for review. ARM reports that the final Area E permit modification is expected before the end of the week.

**D. Geosyntec Consultants – Project Status Report:** A copy of the Project Status Report from Geosyntec Consultants dated December 13, 2010 was presented to the Board for review. Geosyntec reports that they responded to final comments from PADEP on December 21, 2010.

**E. Woody Vegetation and Landfill Landscape Plan: Proposals:** A copy of the Cost Proposal Summary for Woody vegetation and Landfill Landscape Planning was presented to the Board. Proposals were received from ARM, Barton and Loguidice, and SCS Engineers. A copy of the proposal from Barton and Loguidice was attached for the Board's review.

**F. Area E, Stages 1A, 1B and 2 Design Phase Services: Proposals:** A copy of the Cost Proposal Summary for the Area E Stages 1A, 1B and 2, Design Phase Engineering Services was presented to the Board. There was a large spread in the costs and the proposed levels of effort. A clarification will be requested from the ARM Group.

**7. Water Management's Report:**

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

**DECEMBER HIGHLIGHTS:**

- December 2010 landfill leachate 543,264 gallons (includes gas condensate)  
Leachate by area breakdown:

Area C	110,972 gallons
Area B	94,251 gallons
Area D-1	122,366 gallons
Area D-2	173,166 gallons
Area D-3	29,459 gallons
Granger gas condensate	13,040 gallons
- December 2009 landfill leachate 1,507,376 gallons
- December 2010 Rainfall 3.00"

**LEACHATE INVENTORY UPDATE:** (As of January 1, 2011)

T-101 Leachate Storage Tank	- 465,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 400,000 gallons	capacity – 850,000 gallons
T-100 Equalization Tank	- 91,000 gallons	capacity – 110,000 gallons
Total Leachate Inventory	- 956,000 gallons	capacity – 1,810,000 gallons

Total percent of storage utilized - 52 %

The total collected landfill leachate for 2010 was **8,327,484** gallons

The total precipitation for 2010 was **44.13** inches

**LEACHATE COLLECTION SYSTEMS**

Currently the Leachate collection system is 100% operational.

**RECIRCULATION SYSTEM**

- 438,000 gallons was recirculated during the month of December 2010. Recirculation for the month was into the leachate blankets and trenches.

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

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,506,151	1,888,720	
D	1,450,322	1,783,398	
E	1,490,754	2,631,930	
F	2,899,041	3,682,875	
G	3,001,172	5,066,750	
H	1,204,602	5,687,500	
<b>Total</b>	<b>12,710,033 (gal)</b>	<b>21,681,836 (gal)</b>	

Remaining Trench Capacity – 8,971,803 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	447,501	1,250,000
2	441,915	1,250,000
3	452,739	1,250,000
4	481,029	1,250,000
<b>Total</b>	<b>1,823,184 (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 8.9 gpm and the RO system is operating at an average flow rate of 8.5 gpm. The plants 31 day average is approximately **3,839 gpd.**

The RO unit produced – **118,997** gallons of permeate during December 2010

MONTHLY COST ESTIMATE      \$4,742.64

Monthly Electric                      \$3,125.25

**Total**                                      **\$7,867.89**

**Cost Per Gallon**                      **\$0.07**

### GROUND WATER INVENTORY UPDATE: 1/1/2011

Ground Water Storage Pond – 710,000 gallons 88.75 % of capacity

The Ground Water Storage Pond maintained a manageable level during December 2010.

Total Ground Water received for December 2010 – 124,845 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 October 2010 will report full compliance with the new 2009 NPDES Permit. All Monitored Parameters were below required discharge limits. 0 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 278,400 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 278,400 gallons was discharged to the Conestoga River (Outfall 001) during December 2010.

## 8. Compliance Officer's Report:

**A. Monthly Activity Report:** Ms. Devine reported that there was one radiation alarm since the last meeting. The load was household waste from West Goshen Township, the isotope was identified as I-131 and the load was landfilled.

Ms. Devine mentioned that the Authority had signed up for DEP's electronic reporting for the water quality DMR's. The first stormwater eDMR was filed on January 14, 2011. Future reports will be required in July and January for the previous six month period.

Ms. Devine mentioned that she had the IU sumps pumped for off-site disposal, and she conducted quarterly gas monitoring and water level measurements in the past month.

**B. RCRA Corrective Action Permit:** Ms. Devine also attached a copy of the EPA's RCRA Corrective Action Permit that was issued to CCSWA on December 23, 2010. The permit basically states that protection of human health and the environment has been achieved as long as the facility is operated in accordance with the PADEP Post Closure Permit that was issued August 29, 2008.

**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 Lincoln University tour and technical assistance with Facility Director Kevin Draper, the meeting with COAD representatives for controlled substance collection in cooperation with our HHW and/or electronics/shredding events.

**B. Correspondence:** Among the items listed, Ms. Fromnick commented that, although it will never be mandated by Act 101, we received a copy of the Birmingham Township newly developed recycling ordinance. We have also received many Act 101 recycling reports from haulers and processors as part of our easy reporting program. Also among the items listed: Ms. Fromnick submitted applications for the 2010 5-event HHW reimbursement and the CCSWA electronics collection event, a CCIU application to use the CAT Brandywine site, improved P & M pricing to municipalities, contest sponsorship acknowledgments, middle and high school contest packets and the offer of technical assistance to Birmingham Township homeowners associations. Several have already responded with inquires.

**C. Ongoing Projects:** Work continues on the 2010 Annual Recycling Report, the 2011 HHW Collection Program, Master Composting Classes and other projects listed. Vince Carosella has offered to host the Green Business Award Winner at the Chamber Dinner. Ms. Fromnick coordinated all arrangements for that event in preparation for her absence.

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

**A. December 2010 Monthly Tonnage Report:** Mr. Gorney presented the Tonnage Report for December 2010, indicating that the tonnage of 23,966.00 was 3.7% under budget and was lower than December 2009 by 2.8%.

**B. December 2010 Accounts Receivable:** Mr. Gorney stated that receivables day sales outstanding decreased from 34.40 days in November 2010 to 32.39 days in December 2010. Mr. Gorney stated that the decrease was due to higher payments from several accounts.

**C. December 2010 Financial Statement:** Mr. Gorney presented the Financials for December 2010 stating that we had a gain of \$1,027,594 for the month. Retained Earnings are at \$44,719,744. The funds invested totaled \$41,068,755 at month end. The interest earned in December 2010 was at a rate of .055% slightly under the 0.56% in November 2010.

**D. December 2010 Check Register Report:** The Vendor Check Register was presented to the Board. The checks for December 2010 totaled \$984,227.96.

**E. Large Dollar Check Approvals:** Mr. Gorney presented the December 2010 Large Dollar invoices totaling \$570,199.39 consisting of the attached schedule 10E. Mr. Knipe made a motion to accept the Large Dollar Invoices 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 6:38 p.m.

Prepared by,

Peggy A. Cunius