

# CHESTER COUNTY SOLID WASTE AUTHORITY

## *Work Session — Lanchester*

*January 22, 2009*

1. **Call to Order:** Bob Schoenberger, Chairman, called the January 22, 2009 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:35 p.m.

*Authority Members Present*

Bob Schoenberger  
Peter Knipe Joined the meeting at 5:50 p.m.  
William H. Shirk  
Vince Carosella

*Authority Members Absent*

Ramsey G. DiLibero  
Dante W. Renzulli, Jr. Esquire  
Peter Marroletti

*Management and Staff Present*

Robert A. Watts  
James M. Gorney  
Gerald A. Myer  
Owen Esterly  
Gary Laird  
Teresa A. Devine  
Nancy Fromnick

*Solicitor*

Vincent M. Pompo, Esquire

2. **Meeting Minutes.** The minutes of the *Combined Meeting Session* of December 18, 2008 are in the Board Book for approval at the *Regular Session Meeting* next week.
3. **Chairman's Announcements.**

The Chairman had no announcements. After Mr. Watts' report at 6:05 p.m. the Chairman said the first order of business was the election of Officers to the Authority Board for 2009. 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 2009 as in 2008. The vote was unanimous.

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

**A. Monthly Activity Report:** Mr. Watts said we recently received PADEP approval to accept ash from the Harrisburg Waste to Energy facility as daily cover. Mr. Watts said he met last week with Mr. Lausch who is now in charge of the management of ash and he was happy that we can help them dispose of their ash. Mr. Watts said he recently met with Mr. Pompo, Ms. Rivello and Mr. Whiteman concerning that changes that are need to bring Chester County's Flow Control Ordinance up to date.

**B. Senior Staff Meeting Memo's:** Mr. Watts said the Board members could read the Senior Staff Meeting Minutes contained in Section 4B at their leisure.

**C. Newspaper Articles:** Mr. Watts said this section contains a copy of a recent newspaper article concerning two Chester County women that have started a waste pickup company based on service at the back door. Mr. Watts said also in this section are a couple of articles indicating some of the changes in Honey Brook Township have resulted in a community watch dog group reactivating. The recent *Intelligencer Journal* concerning the last meeting of the Caernarvon Township Board of Directors was also discussed.

**D. Email Lebanon Authority & PADEP:** Mr. Watts said this section contains a copy of an email to the Executive Director of the Lebanon Authority. Mr. Watts said his email was in response to their question concerning why we disposed of 19.74 tons of MSW from Lebanon County in the third quarter of 2008. Mr. Watts' email explained that 16.35 tons was a load of foundry sand that was misclassified as MSW. The balance was two loads of C&D and that the hauler and CCSWA were unaware that Lebanon County also flow controls C&D waste. We informed both parties that we have adopted the policy of not accepting MSW or C&D waste from Lebanon County. The new policy satisfied both parties.

**E. Landfill Gas Update:** Mr. Watts said this section contains two copies of recent articles concerning Granger Energy and the Conestoga Landfill receiving Project of the Year Award by the US EPA. This section also contained a copy of an email from Walter Kulakowski (who is a consultant who has been giving Mr. Watts unsolicited advice on landfill gas tax and legislative issues) who has advised us not to install the extra equipment necessary in Area D Cell 3 to qualify for "early action" carbon credits. The California based exchange has recently changed their rules and we would no longer qualify even though we are planning to collect landfill gas almost four years before we are required to. The last memo in this section was from SWANA indicating there has been some draft federal legislation that might help landfill gas projects that generate electricity.

**F. Letter From the Chairman:** Mr. Watts said this section includes a copy of a December 31<sup>st</sup> letter the Chairman sent to the Chester County Commissioners.

**G. 2008 Lanchester Tonnage Origin Report:** This section contained a copy of a spreadsheet that indicates that approximately 85% of the waste disposed at Lanchester in 2008 was from Chester County. Berks County was the second largest user of Lanchester followed by Lancaster County with about 11% and 3% respectively.

**H. Wildlife Habitat Council Information:** Mr. Watts said this section contains a copy of a letter from their Director of Programs indicating we might qualify for a *Wildlife at Work* designation after about a two year evaluation.

**I. Donation Thank You and Request:** Mr. Watts said this section contained an email from the Principal of the Honey Brook Elementary Center thanking us for making Payment in Lieu of Taxes to the Twin Valley School District that have been used for projects at her school. The second part of this section is a letter from the Chester County Dental Center requesting a donation to support the charitable work they do in Chester County for under privileged children.

**J. Property Purchase:** Mr. Watts said this section contains a plot plan of a nearby property that will be discussed in Executive Session at the Regular Meeting next week.

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

**A. Monthly Activity Report:** The following is the report for Operations/Site Development.

**Landfill Gas Collection/Odor Control**

Mr. Myer reported the gas flow is approximately 3000 SCFM. Granger Energy is in startup mode with gas from Conestoga Landfill. The combined gas flow exceeds customer demand at time and the onsite engine and/or flare are utilized during these times.

**Weather**

We received 5.22" of rainfall in the month of December. Total rainfall for 2008 was 46.06". December was a windy month gusts over 30MPH were common and 4 days had gusts over 50 MPH.

**Compost Site**

We are accepting leaves, skids, and vegetative wood waste. 287.99 tons of leaves were hauled from the site by Deamer Trucking and Zwicky Processing and Recycling hauled 20.81 tons of telephone pole to be recycled.

**Miscellaneous Site Work**

Page 2 has a partial list of the routine work for the month. We spent 137.25 man/machine hours assisting Coatesville Police with an ongoing investigation.

**Man-Hours**

Page 3 shows how the man hours were spent for the month.

**Equipment and Current Events**

We will be preparing a dozer and two wheel loaders for sale in 2009. Resume assisting Coatesville Police with an investigation.

**Upcoming Projects/Activities**

Prepare Cell D-2 for waste placement scheduled for early 2009. Install leachate recirculation lines in Cell D-3

### **Landfill Inspections**

John Pollock (PADEP) was on site December 23, 2008 for an inspection. A copy of John's report is included. Joe Cutter and Joe Roche (Caernarvon Township Inspectors) was also on site several times during the month. A copy of both their reports are included.

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

**A. Monthly Activity Report:** The Monthly Engineer's Report for January 2009 was presented to the Board. The list of in-house engineering tasks was reviewed with the Board, including the following:

- The aerial photograph was delivered during this report period and will be sent out for mounting.
- The "draft" Permit Modification Application drawings submitted by Geosyntec Consultants on January 15, 2009 are under review. These drawings intended to represent the 90% complete milestone.
- Portions of the SRBC Permit Application were reviewed during this period. Comments were issued to ARM. A meeting to review the work progress was conducted on January 14, 2009.
- Payment Application No. 3 for the Leachate Storage Tank was reviewed during this period. The application included a request for payment of materials stored on site but not yet incorporated into the work. An assignment and release was prepared and executed.
- On January 12, 2009 I spoke to Mr. Tom Hanlon of the PADEP concerning the intent of the 25% rule during the Tank Replacement Project. Mr. Hanlon understands that the 25% limitation pertains only to routine flow equalization, not storage. Mr. Hanlon understands that during the replacement period the Authority will be managing leachate by off site treatment, recirculation and storage.
- During this period the Five Year Capital Plan was reviewed and comments issued to ARM .

**B. Geosyntec Consultants – Status Report:** The January 20, 2009 Project Status Report from Geosyntec Consultants was presented to the Board. All assignments remain within budget.

**C. ARM – Status Report:** The January 8, 2009 Status Report from the ARM Group Inc. was presented to the Board. All assignments remain within budget.

**D. SCS – Status Report:** Progress Report No. 21 from SCS Engineers, PC dated January 19, 2009 was presented to the Board.

**E. Keystone Engineering Group – Status Report:** The January 20, 2009 Progress Report from Keystone Engineering Group, Inc. was presented to the Board. Progress photographs of the Tank Replacement construction work were attached.

**F. Five Year Capital Plan:** The Five Year Capital Plan for Area E dated December 31, 2008 was presented to the Board. This plan was based on the long term average waste density achieved in Area C.

**G. 2008 Financial Assurance Update – Summary Table:** The final table from the 2008 Financial Assurance Update was presented to the Board. This table compares the 2005 and the 2008 bonding calculations. The net difference is an increase in the amount of \$203,816.

**H. Cell D3 LFG System Expansion – Construction Cost Estimate:** The January 20, 2009 proposal from Drillmore Construction for the Cell D3 Landfill Gas System Expansion was presented to the Board. In the past, gas system expansions such as this have been constructed under the agreement between the Authority and Granger.

**I. Cell D3 LFG System Expansion – Construction Phase Engineering:** The proposal from SCS Engineers dated January 21, 2009 was presented to the Board. This proposal is for Construction Phase Engineering and Inspection services needed for the Cell D3 Landfill gas System Expansion. The proposal remains under review.

**7. Water Management’s Report:**

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

**DECEMBER HIGHLIGHTS:**

- December 2008 landfill leachate 981,143 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	215,114 gallons
Area B	321,627 gallons
Area D-1	329,144 gallons
Area D-3	95,953 gallons
Granger gas condensate	19,305 gallons

- Year to date landfill leachate 6,522,094 gallons
- December 2007 landfill leachate 1,014,664 gallons
- December 2008 Rainfall 5.15”

**LEACHATE INVENTORY UPDATE: (As of January 1, 2009)**

T-101 Leachate Storage Tank	-	0 gallons	capacity – 650,000 gallons
T-115 Leachate Storage Tank	-	262,500 gallons	capacity – 650,000 gallons
<u>T-100 Equalization Tank</u>	-	<u>110,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	-	272,500 gallons	capacity – 1,410,000 gallons

Total percent of storage utilized - 49%

**LEACHATE COLLECTION SYSTEMS –**

The Leachate collection system is 100% operational.

**RECIRCULATION SYSTEM**

- 69,143 gallons was recirculated during the month of December 2008. Recirculation for the month of December was into the leachate blankets.

**Recirculation to date: 12/1/2008**

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	267,144	313,236	
C	1,227,379	1,888,720	
D	1,128,921	1,783,398	
E	1,300,484	2,631,930	
F	2,700,591	3,682,875	
G	2,858,093	5,066,750	
<u>H</u>	<u>1,040,838</u>	<u>5,687,500</u>	
<b>Total</b>	<b>11,334,576 (gal)</b>	<b>21,681,836 (gal)</b>	

Remaining Trench Capacity – 10,347,260 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	232,896	1,250,000
2	232,135	1,250,000
3	224,981	1,250,000
4	200,147	1,250,000
<b>Total</b>	<b>690,571 (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 6.0 gpm and the RO system is operating at an average flow rate of 9.7 gpm. The plant is averaging approximately **1,914 gpd**.

The RO unit produced – **57,430** gallons of permeate during the month of December 2008

MONTHLY COST ESTIMATE	\$3,707.03	
Monthly Depreciation		\$8,294.27
Monthly Electric	\$2,100.00	
<b>Total</b>	<b>\$5,807.03</b>	
<b>Cost Per Gallon</b>	<b>\$0.10</b>	<b>\$0.25</b>

**GROUND WATER INVENTORY UPDATE: 10/1/2008**

Ground Water Storage Pond – 612,870 gallons 77 % of capacity

Total Ground Water received for December 2008 – 316,592 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 December 2008 will report full compliance with 2003 NPDES Permit. All Monitored Parameters were below required discharge limits.

0 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 306,000 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 306,000 gallons was discharged to the Conestoga River during December 2008.

**SRBC APPLICATION PROCESS** – The ARM Group is expecting to have CCSWA’s application ready for staff review by February 2, 2009 with the expectation of getting on the SRBC March agenda.

**8. Compliance Officer’s Report:**

**A. Monthly Activity Report:** Ms. Devine mentioned that the annual groundwater report is being prepared by Golder Associates. Ms. Devine mentioned that the Authority received a draft Title V permit on December 31, 2008. There were two radiation alarms since the last meeting. Both loads were household trash and both isotopes were identified as I-131 and the loads were landfilled. Ms. Devine also mentioned that water supply samples collected in the administration building for lead/copper testing did not pass for copper. Retests will need to be done in the near future.

**B. Landfill Gas Related Regulatory Support Services – Contract #09-393-LFGSERV:** A compilation of costs received for the landfill gas services contract. At December’s meeting the Board had directed Ms. Devine to get competitive prices for the work. Ms. Devine stated she would be ready with a recommendation at the regular meeting next week.

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

**A. Monthly Activity Report:** Ms. Fromnick mentioned the highlights of the

meetings and events attended during the past month. There were 3 recycling program meetings with Phoenixville Hospital personnel and companies that manage businesses on land owned by the hospital. The Regional Household Hazardous Waste Committee discussed the highly publicized Supreme Recycling “computers to China” controversy. Supreme has been the processor for the 5 County computer collection program. Work began on the 2009 schedule as well as the new contract specs and IGA’s.

**B. Correspondence: In:** The CCSWA received a \$1,622.32 DEP grant reimbursement for the spring electronics collection and HHW participation agreements were received from Modena and Honey Brook Borough. **Out:** In addition to a master composting press release and normal correspondence, Ms. Fromnick submitted the 2009 County HHW registration application, informed municipalities of the trash/recycling collection survey results and provided them a sample citation to be used when trash and recyclables are mixed by haulers. The 2008 customized reporting packets were created and mailed to municipalities, haulers, processors,

**C. Projects:** Ms. Fromnick wrote an article for the Daily Local News, began working on the 2009 and last state funded compost bin distribution program and data were input into the new DEP tracking systems for 2006 and 2007.

#### 10. Business Manager’s Report.

**A. December 2008 Monthly Tonnage Report:** Mr. Gorney presented the Tonnage Report for December 2008, indicating that the tonnage of 26,576.79 was 7.2% over budget, and was 10.3% higher than December 2007.

**B. December 2008 Accounts Receivable:** Mr. Gorney stated that receivables day sales outstanding decreased from 37.79 days in November 2008 to 35.29 days in December 2008. Mr. Gorney stated that the decrease was due to higher payments from several large accounts.

**C. December 2008 Financial Statement:** Mr. Gorney presented the Financials for December 2008 stating that we had a loss of \$(1,400,150) for the month. Retained Earnings are at \$36,134,671. Mr. Gorney stated the December 2008 earnings were unfavorable due to required adjustments to the Closure / Post Closure reserve of \$2,270,880.72, the write-off of the dwelling on 279 Bootjack road \$153,034.96 and the write-off of costs of \$48,818.16 related to the purchase of the Baldwin Electric site which did not occur. The dwelling at 279 Bootjack Road was donated to the local fire company for training purposes and will be burned down. The dwelling was in poor condition and would have been too costly to restore to building code conditions. The funds invested totaled \$31,363,285.59 at month end. The interest earned in December 2008 was at a rate of 2.82% down from the 2.94% in November 2008.

**D. December 2008 Vendor Check Register Report:** The Vendor Check Register was presented to the Board. The checks for December 2008 totaled \$1,333,836.40.

**E. Large Dollar Check Approvals:** Mr. Gorney presented the January 2009 Large Dollar invoices totaling \$1,145,448.82 consisting of the attached schedule 10E. Mr. Shirk 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- 4<sup>th</sup> Qtr. 2008:** Mr. Gorney presented the 4<sup>th</sup> Quarter 2008 Act 101 Payment for January 2008 totaling \$738,510.91 consisting of the attached schedule 10F. Mr. Carosella made a motion to accept the Large Dollar Invoices as presented; Mr. Shirk seconded the motion. The motion was carried by a unanimous vote.

**G. Investment Policy:** Mr. Gorney presented the memo from counsel and the PMAA section #5611 – Investment of Authority Funds for the Boards review and direction.

**H. Collateral Bond Rollovers:** Mr. Gorney presented the rollover of the \$1,885,000.00 of Treasury Notes maturing on 1/31/08. Mr. Knipe made a motion to accept the Collateral Bond Rollover as presented; Mr. Shirk seconded the motion. The motion was carried with a unanimous vote. Mr. Gorney presented the rollover of the \$1,650,000.00 of Treasury Notes maturing on 2/28/08. Mr. Shirk made a motion to accept the Collateral Bond Rollover as presented; Mr. Carosella seconded the motion. The motion was carried with a unanimous vote.

There being no further business, the meeting was adjourned at 6:57 p.m.

Prepared by,

Peggy A. Cunius