

CHESTER COUNTY SOLID WASTE AUTHORITY

Combined Work Session & Regular Meeting — Lanchester

September 17, 2009

1. **Call to Order:** Bob Schoenberger, Chairman, called the September 17, 2009 Combined *Work Session & Regular Meeting* of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Peter Knipe
Dante W. Renzulli, Jr. Esquire
William H. Shirk
Peter Marroletti

Authority Members Absent

Ramsey G. DiLibero
Vince Carosella

Management and Staff Present

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

Solicitor

Vince Pompo, Esquire

2. **Meeting Minutes:** Mr. Shirk moved and Mr. Knipe seconded that the minutes of the August 20, 2009 *Work Session* and the August 27, 2009 *Regular Meeting Session* be approved. The vote was unanimous.
3. **Chairman's Announcements.** (BS)

The Chairman asked the two guests in the audience to introduce themselves. They were Joe Cutter - Caernarvon Township's Host Municipal Inspector and Tom Martin the attorney Caernarvon Township has hired to review the Area E Landfill Expansion.

4. **Executive Director's Report. (RAW)**

A. Monthly Activity Report: Mr. Watts said this year's Open House is planned for Saturday, October 3rd from 9:00 a.m. until 1:00 p.m. Mr. Watts said if the weather is good we are expecting over 1,000 guests again this year. Mr. Watts said he wanted to highlight a few items from his monthly report. Mr. Watts said there have been a few inquiries concerning possible price increases for 2010 recently. Mr. Watts said he has been advising people to budget for a \$3.00 per ton price increase, but we hope it will be less. Mr. Watts said Caernarvon's former Host Municipal Inspector has decided to join the military full-time so his firm is having another employee - Mark Mueller trained to replace him. Mr. Watts said the Caernarvon Board of Supervisors are planning a site visit on October 9th at 8:00 a.m. to review where the Area E Landfill Expansion is planned. Mr. Watts reviewed the status of the properties we have purchased and are likely to purchase this year.

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

C. News Clippings: Mr. Watts said the first article was on a recent startup waste business called Trash Talking Ladies that offer to pick up waste in garages and back yards. Mr. Watts said there were a number of advertisements in the *Tri County Record* this month concerning the upcoming Supervisor's race. An article from Washington State said they are proposing to utilize a closed landfill as a dog park and a park and ride lot. The six acre dog park has an estimated cost of \$200,000. Mr. Watts said the last article in this section was concerning Honey Brook Borough adding a part-time police officer.

D. PADEP News Clippings: Mr. Watts said this section contains a copy of the press release on the Governor's funding for renewable energy. The second press release was that the PADEP and Waste Management have agreed on a slightly modified closure plan after years of meetings. The last press release highlighted the new Governor's order on the Chesapeake Bay.

E. SWANA – Performance Standards – Clean Energy Act: Mr. Watts said this section contains a copy of a letter recently sent to the Honorable Barbara Boxer that SWANA and some of the consultants we use were co-signers. The Chairman said from today's news out of Washington this bill seems to be dead.

G. Granger Energy 2nd Amendment: Mr. Watts said this section contains spreadsheets from Granger Energy suggesting term on electrical sales in the 2nd Amendment. Mr. Watts said he countered with a higher number and is expecting a modified agreement to be reviewed at next month's meetings.

H. Chester County Waste Destinations 2nd Quarter: The information was recently available from the PADEP. Their information indicates the waste generated in the second quarter of 2009 decreased by over 25,000 tons when compared to 2008. Mr. Watts said this is most likely a result of the poor economy.

I. Policy Updates: Mr. Watts said this section contains copies of two proposed changes to current policies. The first one is an update to our Computer and Electronic Communications Systems and Internet Usage Policy. The second is a proposed new policy on Employee Disposal of Waste. Mr. Marroletti moved and Mr. Shirk approved the suggested Employee Disposal of Waste policy. The vote was unanimous. The Board Members tabled the other policy update until next month. They also asked for the proposed email disposal policy to be included in the Board Books next month.

J. Thank You Letter: Mr. Watts said this section contains a thank you letter from the Historic Poole Forge, Inc. as a result of our recent donation.

5. **Operations/Site Development Report. (GAM)**

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

Landfill Gas Collection/Odor Control

Mr. Myer reported the current gas flow is approximately 2800 SCFM. Approximately 150 SCFM of gas is coming from the new well recently install in Cell D-3.

Weather

We received 8.76” of rainfall in the month of August.

Compost Site

We are accepting leaves, skids, and vegetative wood waste.

Miscellaneous Site Work

Page 2 has a partial list of the routine work for the month.

Man-Hours

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

Equipment and Current Events

Eight wells have been drilled in area C and existing well 307 has been repaired. These wells were drilled as part of the fire investigation on the North Slope. The indication is there is no longer fire present in the area.

Ten new gas wells and one new leachate recirculation trench have been installed in cell D-3. The wells and trench are connected to the gas collection system and producing approximately 150 SCFM of gas.

Starting September 14, 2009 all waste will be placed in Cell D-2. Area C will be graded for positive drainage and daily cover placed.

Upcoming Projects/Activities

The new wells recently drilled in Area C will be connected to the gas collection system in the next couple of weeks. Intermediate cover and composted sludge will be placed and the area hydro-seed.

Landfill Inspections

John Pollock (PADEP) was on site August 18, 2009 for an inspection. A copy of his report is attached. Joe Cutter (Caernarvon Township Inspectors) was also on site several times during the month and a copy of his report is also attached.

6. Facility Engineer's Report. (ORE)

A. Monthly Activity Report: The Monthly Engineer's Report for September 2009 was presented to the Board. The following items were included in the Report:

- The current Construction Service Contracts include: Leachate Tank Replacements; Area D, Cell LFG System; Area C LFG System Expansion; and the 2009 Roadway Improvements.
- Ludgate Engineering Corporation performed various surveys during this report period including: records drawing survey for the Area D, Cell 3 LFG System; CADD assistance for the Pond Rehabilitation; and bidding assistance on the 2009 Roadway Improvement Project.
- During this report period, SCS Engineers continued to provide Construction Phase Engineering (office support) Services on the Cell D3 Landfill Gas System Expansion and the Area C LFG Well Additions.
- On September 2, 2009 I met with Mr. John Oren of PADEP regarding the PADEP's change in personnel. Mr. Tom Hanlon of PADP has been permanently been reassigned to PADEP's Air Quality Program. Mr. Ajaz Uddin was introduced at the meeting as the Waste Management Program Engineer now assigned to Lanchester. Mr. Uddin assignment will include the technical review of Area E Application for permit Modification.
- A preconstruction meeting was conducted on September 14, 2009 regarding the LFG header and lateral piping for the recently installed LFG well additions. The meeting was attended by Drillmore Construction, Granger Energy and Authority Staff. The construction work will begin this week. The Authority Staff will perform the field inspection and Construction Quality Assurance functions. Drillmore will perform the construction work.

- The Authority Staff performed field inspection and Construction Quality Assurance on the Cell D3 Landfill Gas System. The new LFG wells were connected to the LFG conveyance system. LFG is now being collected from Cell D3.
- A meeting was conducted on September 11, 2009 with Blazosky Associates Inc. concerning EW-312. The purpose of the meeting was to review the latest findings and discuss the contents of the final report.
- The Application for the Minor Permit Modification for the relocation of the existing landfill gas flare station remains under PADEP review.
- A letter approval of the proposed pond rehabilitation work was issued on September 3, 2009 by Mr. Joel Sipe of PADEP, Division of Dam Safety.
- On or about August 28, 2009 the letter of response was sent to Geosyntec regarding the PADEP 10-Year Rule. This letter was reviewed and discussed with the Board.

B. 279 Boot Jack Road – Pond Rehabilitation Letter: A copy of the September 3, 2009 letter from PADEP regarding the Jurisdiction Determination for Repairs to the existing pond at 279 Boot Jack Road was presented to the Board.

C. Geosyntec Consultants – Status Report: The September 14, 2009 Project Status Report from Geosyntec Consultants was presented to the Board. Local comments concerning the Area E Application for Permit Modification have been received. A draft response to the Phase II comments will be prepared by October 16, 2009.

D. ARM – Status Report: The September 11, 2009 Status Report from the ARM Group Inc. was presented to the Board. A response to the Phase I comments will be issued promptly.

E. Keystone Engineering Group – Status Report: The September 10, 2009 Monthly Progress Report from Keystone Engineering Group, Inc. was presented to the Board. Keystone reports that the Tank Replacement Project is ready for final payment. Attorney Pompo has indicated that the project close out documentation is acceptable. A copy of the Certificate of use and Occupancy was attached.

F. Blazosky Associates – Status Report: A draft Final Report concerning the EW-312 Investigation and Abatement was received today from Blazosky Associates, Inc. A copy of the draft Executive Summary was presented to the Board. The Report remains under review.

G. 2009 Roadway Improvements – Bid Results (Unchecked): The Bid Results (unchecked) were presented to the Board. The apparent low bidder was Burkholder Paving in the amount of \$108,956. Attorney Pompo has reviewed the Burkholder bid and has found it acceptable. It was recommended that the contract be awarded to Burkholder Paving subject to a satisfactory technical review and verification of references. A motion to approve the recommendation was made by Ramsey DiLibero with a second by Bill Shirk. The motion passed.

7. Water Management’s Report. (GAL)

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

AUGUST MINUTES:

- August 2009 landfill leachate 1,082,616 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	126,041 gallons
Area B	100,632 gallons
Area D-1	256,792 gallons
Area D-2	484,710 gallons
Area D-3	69,918 gallons
Granger gas condensate	44,343 gallons

Year to date landfill leachate 4,178,121 gallons

- August 2008 landfill leachate 390,184 gallons
- August 2009 Rainfall 8.55”

LEACHATE INVENTORY UPDATE: (As of September 1, 2009)

T-101 Leachate Storage Tank	- 540,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 0 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	- 640,000 gallons	capacity – 1,810,000 gallons

Total percent of storage utilized - 35 %

LEACHATE COLLECTION SYSTEMS –

The Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 383,200 gallons was recirculated during the month of August 2009. Recirculation for the month was into both the leachate trenches and blankets.

Recirculation to date: 9/1/2009

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,293,937	1,888,720	
D	1,203,715	1,783,398	
E	1,367,401	2,631,930	
F	2,733,803	3,682,875	
G	2,858,093	5,066,750	
H	1,059,457	5,687,500	
Total	11,640,350 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 10,093,286 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	370,209	1,250,000
2	352,531	1,250,000
3	349,004	1,250,000
4	328,492	1,250,000
Total	1,400,236 (gal)	5,000,000 (gal)

UFRO Research and Development August 09

A recommendation letter was received from Tom Pullar of the EarthRes Group. Recommendations included chlorination followed by de-chlorination and considered the use of a biocide.

I met with Tom on site 9/11/2009 to go over his initial design ideas. During this visit I interjected my thoughts. Together we came up with implementation ideas that would both conserve space as well as lower the project cost. I am currently awaiting a quote for the installation and start-up.

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 8.2gpm and the RO system is operating at an average flow rate of 8.5 gpm. The plant is averaging approximately **2,757 gpd** for the month of August 09.
- New UF membranes were installed in early July and this has increased the supply of filtrate to the RO unit by double. Consumable components, bag filters and RO cartridges have decreased from two change outs a week to about once every other week.

MONTHLY COST ESTIMATE	\$4,549.42	
Monthly Deprecation		\$8,294.27
Monthly Electric	\$1,795.00	
Total	\$6,344.42	
Cost Per Gallon	\$0.07	\$0.17

GROUND WATER INVENTORY UPDATE: 9/1/2009

Ground Water Storage Pond – 700,000 gallons 88% of capacity

Total Ground Water received for August 2009 – 268,913 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 August 2009 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 379,500 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 379,500 gallons was discharged to the Conestoga River during August 2009.

8. **Compliance Officer’s Report. (TAD)**

A. Monthly Activity Report: Ms. Devine mentioned there were two radiation alarms since the last meeting. Both loads were transfer trailers and in both cases the isotope was TC-99m. Ms. Devine mentioned she had a phone conversation with Mr. Acker of DEP Bureau of Radiation regarding calibration of our fixed detectors. Ms. Devine also had a phone conversation with Rick Millard of DEP Air Quality regarding capping some gas extraction wells and other air quality issues. Ms. Devine mentioned that NSPS and Title V reports were submitted to EPA and DEP in the last month. Ms. Devine also mentioned that a group from Little Mates in Morgantown had been here for a tour of the landfill.

9. **Recycling Coordinator’s Report (NJF)**

A. Monthly Activity Report: Ms. Fromnick provided a list of the meetings and events attended during the past month. Mike Brown, Honey Brook Twp., agreed to publicize our spring electronics collection in the township newsletter, saving CCSWA advertising funds. Ms. Fromnick met with Caln Township who is interested in improving their recycling program and Ms. Fromnick chaired the County Office Recycling Committee. A high potential food waste composting site was visited in North Coventry Township and a Commissioner’s Waste Watcher recognition was coordinated.

B. Correspondence: In: Of particular importance, were the 4 HHW RFP responses for review.

Correspondence – Out: It was noted that a research and data collection system was developed to retrieve the recycling information pertaining to the “Cash for Clunkers” program.

C. Projects: The 2008 Annual Recycling Report has been finalized. The recycling coordinator has spent a great deal of time providing Act 101 Section 904 Municipal Grant assistance.

The Reecie Recycle mascot has made appearances at two West Chester events, and educational and promotional items were provided to two township events.

10. **Business Manager’s Report. (JMG)**

A. August 2009 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for August 2009, indicating that the tonnage of 25,824.59 was 2.2% under budget and was higher than August 2008 by 1.0%.

B. August 2009 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding decreased from 33.51 days in July 2009 to 33.23 days in August 2009. Mr. Gorney stated that the decrease was due to faster payments from several accounts.

C. August 2009 Financial Statement: Mr. Gorney presented the Financials for August 2009 stating that we had a gain of \$355,889 for the month. Retained Earnings are at \$38,931,851. The funds invested totaled \$34,179,310.83 at month end. The interest earned in August 2009 was at a rate of 1.36% down from the 1.72% in June 2009. The rate decreased due to the rollover of funds to lower interest rates. Mr. Renzulli made a motion to accept the August 2009 Financials as presented; Mr. Knipe seconded the motion. The motion was carried by a unanimous vote.

D. August 2009 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for August 2009 totaled \$303,747.04. Mr. Knipe made a motion to accept the August 2009 Check Register as presented; Mr. Shirk seconded the motion. The motion was carried by a unanimous vote.

E. Large Dollar Check Approvals: Mr. Gorney presented the September 2009 Large Dollar invoices totaling \$434,522.40 consisting of the attached schedule 10E. Mr. Renzulli made a motion to accept the Large Dollar Invoices as presented; Mr. Marroletti seconded the motion. The motion was carried by a unanimous vote.

F. Collateral Bond Rollover: Mr. Gorney presented the documents for the rollover of the \$3,825,000.00 U.S. Treasury Note. Mr. Knipe made a motion to approve the Resolution as presented; Mr. Marroletti seconded the motion. The motion was carried with a unanimous vote.

G. Phase Payment Installment: Mr. Gorney presented the documents for the deposit of the 5th of 10 Phased Payments of \$822,000.00. The total amount of the phased payment bond is \$8,224,000.00. Mr. Knipe made a motion to approve the Resolution as presented; Mr. Marroletti seconded the motion. The motion was carried with a unanimous vote.

H. Investment Policy: The proposed Investment Policy was presented. Action on The policy was deferred to next month's meeting to allow for review.

The meeting was adjourned at 6:54.

Prepared by,
Peggy A. Cunius