

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

February 18, 2010

1. **Call to Order:** Bob Schoenberger, Chairman, called the February 18, 2010 *Work Session Meeting* of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Peter Knipe
William H. Shirk
Ramsey G. DiLibero
Peter Marroletti
Vince Carosella

Authority Members Absent

Dante W. Renzulli, Jr. Esquire

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 *Work Session Meeting Session* of January 21, 2010 and the *Regular Session Meeting* of January 28, 2010 are in the Board Book for approval at the *Regular Session Meeting* next week.
3. **Chairman's Announcements.**

The Chairman had no announcements.

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

A. Monthly Activity Report: Mr. Watts said he would like to discuss a few items contained in his monthly report in Section 4A. Mr. Watts said he had one inquiry this month on our interest on anaerobic digestion of waste and one meeting to discuss gasification of waste. Mr. Watts told both parties that we are in the exploratory stage investigating all options to landfilling at Lanchester after the Area E Expansion is built. Mr. Watts said while we will discuss unsolicited proposals at this time we will most likely go through a formal proposal process to select an alternative technology/development partner in the future. Mr. Watts said there were no overweight trucks in January. Mr. Watts said he met with representatives of the Caernarvon Historical Society to discuss expansion plans of their building on Main Street.

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 this section contains a copy of news articles on landfill expansions proposed at two large landfills in the Scranton area. There were also articles in this section indicating waste volumes were down in Ohio and North Carolina. There was also a public notice in this section by the US EPA concerning the cleanup of the Strasburg Landfill Superfund site.

D. Chester County Annual Report: Mr. Watts said this section contains a copy of the information CCSWA sends to the County every year committing all of our remaining capacity to them.

E. Harrisburg Ash Bid Results: Mr. Watts said this section contains a spreadsheet of the results indicating we were the low bidder for this alternate daily cover. The final award will be made by the Harrisburg Authority on February 24th.

F. Thank You Letter: Mr. Watts said this section contained a copy of a letter from the Coatesville Area Public Library.

G. 70 Zook Drive: This section contained a copy of a page from the appraisal and a map of the property. Mr. Watts said this contiguous property owner came to us asking that we purchase the property. The Board said they would act on this next week.

H. CCSWA Projection: Mr. Watts said this section contains a copy of the report that is required as part of the Chester County Solid Waste Plan. Mr. Watts said he and Mr. Schoenberger put the report together.

5. Operations/Site Development Report:

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

Landfill Gas Collection/Odor Control

Mr. Myer reported the current gas flow is approximately 3,000 CFM through the plant. Customer demand has been higher during the work week so the engine has been running mostly on weekends. Construction continues on Granger's second engine but PADEP permitting remains a problem. Dart Container is installing two turbines which they hope to have on line by the end of 2010. Together they will use approximately 1,500 CFM.

Weather

We received 4.29" of rainfall in the month of January.

Miscellaneous Site Work

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

The rain cap is removed a section at a time as flooring continues in Area D-2. After a section is floored bulky waste is placed on top of it to raise the grade to the desired elevation. There is one more section of rain cap to be removed before the tie in to Cell D-3.

Man-Hours

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

Equipment and Current Events

We received 5 bids on the annual Heavy Equipment Rental two with operators and three without operators. The bids are currently under review by staff and the Authority Solicitor. I anticipate having a recommendation for your consideration at the Authority Meeting February 25, 2010.

Upcoming Projects/Activities

I plan to schedule W. D. Zwicky & Son in to grind wood waste at the compost site in mid March.

The operations group will install a 4" pipe in the 15' set back at the toe of trash in cell D-2 for gas collection and odor control. Soil will then be placed to the top of the berm. Drillmore will install the 12" gas header and a 2" leachate force main in the 15' set back 2' below the top of the cell berm. CCSWA will then place intermediate cover.

Landfill Inspections

John Pollock (PADEP) was on site January 19, 2010 for an inspection. A written report of that inspection is included in my report. Mark Mueller, Caernarvon Township Host Community was also on site January 19, 2010 no written report is available at this time. 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:

A. Monthly Activity Report: The Monthly Engineer's Report for February 2010 was presented to the Board. The following items were included in the verbal report.

- The currently listed Construction Services Contracts still includes the 2009 LFG System Expansion projects. All construction work is completed. We are waiting for the submission of the record drawings.
- The monthly survey tasks performed by Ludgate Engineering Corporation during this report period, included: Annual Report Plan Drawings; Annual Volume Report various gas well locations; and compilation of a utility drawing update.
- During this period, SCS Engineers prepared a draft letter concerning the proposed abandonment of the older enclosed flare.
- On January 29, 2010, PADEP issued a Phase 1 technical review letter regarding the Area E Application for permit modification. A response to this letter is being compiled by the ARM Group, Inc.
- The same technical review letter included several comments concerning those portions Phase 1 Application prepared by Geosyntec Consultants. Geosyntec is preparing responses to this portion of the comments.
- Blazosky Associates Inc. provided LFG monitoring services related to EW-312 during this report period.
- During this report period I received seven responses to the Request for Qualifications (RFQ) dated January 8, 2010 for Post Closure Solar Energy planning. The SOQs remain under review. A Request for Proposals (RFP) is being prepared. The RFP will be sent to all seven of the consulting teams.
- The remainder of the report is available for review at the Board's convenience.

B. Area E – PADEP Letter Dated January 29, 2010: A copy of the January 29, 2010 letter from PADEP regarding the Phase 1 Technical review was presented to the Board for review and informational purposes.

C. ARM – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated February 15, 2010 was presented to the Board for review. The report provides an update on the Area E PMA including a list major milestone dates and other monthly activities.

7. Water Management’s Report:

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

JANUARY HIGHLIGHTS:

- January 2010 landfill leachate 529,587 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	55,363 gallons
Area B	52,696 gallons
Area D-1	59,155 gallons
Area D-2	121,432 gallons
Area D-3	43,291 gallons
Granger gas condensate	12,309 gallons

2009 total leachate metered 8,065,436 gallons

2010 Year to date landfill leachate metered 529,587

- January 2009 landfill leachate 352,427 gallons
- January 2010 Rainfall 2.20”

LEACHATE INVENTORY UPDATE: (As of February 1, 2010)

T-101 Leachate Storage Tank	- 227,500 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 220,000 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 110,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 557,500 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 30 %

LEACHATE COLLECTION SYSTEMS –

Currently the Leachate collection system is 100% operational

RECIRCULATION SYSTEM

- 159,760 gallons was recirculated during the month of January 2010. Recirculation for the month was into both the leachate trenches and blankets.

Recirculation to date: 2/1/2010

Trench #	Recirculated (gal)	Maximum (gal)	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,389,782	1,888,720	
D	1,314,065	1,783,398	
E	1,410,525	2,631,930	
F	2,815,324	3,682,875	
G	2,908,394	5,066,750	
H	1,105,779	5,687,500	
Total	11,980,640 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 9,701,196 gallons

Blanket #	Recirculated (gal)	Maximum gallons/year
1	23,810	1,250,000
2	19,740	1,250,000
3	22,460	1,250,000
4	7,580	1,250,000
Total	73,590 (gal)	5,000,000 (gal)

UFRO Research and Development January 2010

The UFRO Treatment plant upgrade continues moving forward. See attached progress report from Keystone Engineering Group.

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 6.2 gpm and the RO system is operating at an average flow rate of 6.8 gpm. The plant is averaging approximately **2,608 gpd** for the month of January 2010.

The RO unit produced – **80,872** gallons of permeate during the month of January 2010.

Monthly Cost Estimate	\$4,877.42
Monthly Deprecation	
Monthly Electric	\$2,087.67
Total	\$6,965.09
Cost Per Gallon	\$0.09

GROUND WATER INVENTORY UPDATE: 1/1/2010

Ground Water Storage Pond – 800,000 gallons 100 % of capacity

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

Total Ground Water received for January 2010 – 772,416 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 January 2010 will report full compliance with the new 2009 NPDES Permit. All Monitored Parameters were below required discharge limits.

66,450 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 314,020 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 380,470 gallons was discharged to the Conestoga River during January 2010.

8. Compliance Officer's Report:

A. Monthly Activity Report: Ms. Devine stated that Golder is compiling the 2009 annual ground water report. First quarter 2010 sampling has been postponed due to snow. There was one radiation alarm since the last meeting. Ms. Devine mentioned that she has been working on Hazardous Waste Reports, NSPS and Title V reports that are all due on March 1, 2010.

9. Recycling Coordinator's Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and tours attended during the past month. A recycling program was conducted for all second graders at the West Bradford Elementary School and a recycling, composting, environmental shopping, alternative cleaning product presentation for a women's garden club.

B. Correspondence: In: Of particular note from the items listed was the County receipt of \$65,336.77. Funding was awarded through the Chester County Solid Waste Authority Act 190 application.

Correspondence – Out: From items listed, Ms. Fromnick noted that CCSWA submitted the 2010 HHW Collection application to DEP, created an original "Recycling In Hotels/Motels" flyer and sent it to all municipalities for distribution, and submitted an application to the American Forest & Paper Association on behalf of the County Office Recycling Committee.

C. Projects: Work continues on the collection of 2009 recycling data, 2008 municipal documentation assistance, and the County and Solid Waste Authority 902 grant disbursement application. It was also noted that Immaculata and West Chester Universities are competing in the national EPA Recycle Mania Contest.

A \$20 million DEP grant program was awarded statewide. Phoenixville Borough, Valley Township, West Bradford Township and West Brandywine Township and the CCCRA were awarded funds totaling \$1,868,659. A listing of items funded was provided.

9. Business Manager's Report.

A. January 2010 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for January 2010, indicating that the tonnage of 21,754.98 was 6.8% under budget and was lower than January 2009 by 0.8%.

B. January 2010 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding increased from 30.95 days in December 2009 to 34.73 days in January 2010. Mr. Gorney stated that there were no major problems.

C. January 2010 Financial Statement: Mr. Gorney presented the Financials for January 2010 stating that we had a gain of \$238,427 for the month. Retained Earnings are at \$40,280,657. The funds invested totaled \$35,706,329.61 at month end. The interest earned in January 2010 was at a rate of 0.87% down from the 1.00% in December 2009. The rate decreased due to the rollover of funds to lower interest rates.

D. January 2010 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for January 2010 totaled \$1,421,370.99.

E. Large Dollar Check Approvals: Mr. Gorney presented the February 2010 Large Dollar invoices totaling \$130,052.75 consisting of the attached schedule 10E. Mr. DiLibero 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. Collateral Bond Rollover: Mr. Gorney presented the rollover of the \$2,628,000.00 of Treasury Notes maturing on 3/31/10. Mr. Carosella made a motion to accept the Collateral Bond Rollover as presented; Mr. Knipe seconded the motion. The motion was carried with a unanimous vote.

G. Financial Plan for 2010: The Financial Plan for 2010 was presented. Mr. Gorney stated that the changes from the original budget submission were lower depreciation due to retiming of spending, lower Leachate transportation costs and lower projected diesel costs. Action on the budge was deferred until the February 25th Regular Meeting.

There being no further business, the meeting was adjourned at 6:50 p.m.

Prepared by,

Peggy A. Cunius