

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

March 18, 2010

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

Authority Members Absent

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

Management and Staff Present

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

Solicitor

Michael Niemiec, Esquire

- 2. Meeting Minutes.** Mr. Schoenberger said that the minutes of the February 18, 2010 *Work Session Meeting* and the February 25, 2010 *Regular Session Meeting* will be considered next week.

- 3. Chairman's Announcements.**

The Chairman had no announcements.

- 4. Executive Director's Report.**

A. Monthly Activity Report: Mr. Watts said he and the Chairman toured the Plasma Arc facility in Madison, PA on February 23rd. Mr. Watts said Waste Management and others are saying they will be building one of these facilities. The plasma arc uses electricity to create high temperatures where waste can be converted into slag and a plasma gas. They are currently testing turning the gas produced into ethanol. We received a proposal from the owner of the facility to build a system to handle the same quantity of waste each day that Lanchester receives. Mr. Watts said there were two problems with this proposal - they have only built these facilities so far to handle a small fraction of the waste generated by Chester County (in Japan) and secondly the price tag is near a half billion dollars

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 contained a recent article on Easttown Township waste collection. Ms. Fromnick confirmed that Waste Management will be their new hauler starting July 1st. There were two articles in this section on coal power plants. The first is that they are adding biomass to some plants to reduce emissions and develop a market for renewable resources. The second article was concerning Exelon running their two coal plants for a year longer than they had planned (2012).

D. SWANA Greenhouse Gas Regulations: Mr. Watts said this section contains a copy of a memo from SWANA stating that the US EPA is relaxing some of the rules on greenhouse gas reporting.

E. Health Department Letter to Waste Management: This section contained a copy of a letter explaining the status of disposal facilities application to be included in Chester County's Solid Waste Plan.

F. Thank You Letter: This section contained a copy of a letter from Chester County Community Dental Center for our recent donation.

G. Response to PADEP NOV: Mr. Watts said this section contains a copy of the letter sent to us by our State Inspector and our response. We have not heard any response but hope this is the end, since we self reported the mistake in paperwork.

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 current gas flow is approximately 2,950 CFM. Pumps have been pulled from nonworking dewatering wells. 300 to 2,000 gallons of leachate is being removed per day from the seven wells with pumps.

Weather

We received 1.67" of rainfall in the month February.

Miscellaneous Site Work

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

The last section of rain cap installed during Cell D-2 construction has been removed. We expect to tie in to Cell D-3 by the end of March.

Man-Hours

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

Equipment and Current Events

We continue to gather information to have Lanchester Landfill certified as a Wildlife Habitat Site.

Upcoming Projects/Activities

I plan to release a bid to furnish and install a fuel loading arm to improve safety when loading our fuel truck. I plan to have a recommendation to award the bid for the April 29, 2010 meeting.

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 February 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 February 19, 2010 his report is also included in my report. 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 March 2010 was presented to the Board. The following items were included in the verbal report.

- There are no changes in the status of the 2009 LFG System Expansion projects. We are still waiting for the submission of the final record drawings.
- During this report period Ludgate Engineering Corporation performed the following survey tasks: Annual Report Plan Drawings; and a compilation of a comprehensive utility plan drawing.
- Blazosky Associates Inc. continued to provide LFG monitoring services related to EW-312 during this period.
- The Certification Report for the cover system repair was approved by the PADEP during this period.
- A Request for Proposals (RFP) for a Preliminary Engineering Study for a Post Closure Alternative Energy Project was sent to all the consulting firms that responded to the earlier Request for Qualifications. The proposals are due on Friday, March 19, 2010.
- A response to PADEP's Phase 1 Technical Review Letter dated January 29, 2010 remains in progress. A draft response has been reviewed.

- A proposal was requested from the ARM Group to perform the groundwater evaluation services necessary to make an informed decision concerning PADEP's request for quarterly sampling of private water supply wells. The proposal was received in the amount of \$5,250 and a purchase order was issued.

The remainder of the report remained available for review at the Board's convenience.

B. PADEP Approval Letter: Cover System Repair at EW-312: A copy of the February 26, 2010 approval letter from PADEP regarding the Cover System repair at EW-312 was presented to the Board.

C. ARM Group Inc. Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated March 10, 2010 was presented to the Board for review. The report provides an update on the progress of the Area E PMA and other assignments.

D. Notice to Bidders Disinfection Modifications: A copy of the Notice to Bidders for the Disinfection Modification Project was presented to the Board. Bids for this work are to be received on April 14, 2010.

E. Exposed Geomembrane Cover System (EGCS): Information and preliminary details concerning exposed geomembrane cover systems was presented to the Board for review and consideration. The obvious advantage to this type of cover system is the elimination of the cover soil layer.

F. Proposal EGCS Feasibility Study: The proposal dated March 8, 2010 from the ARM Group for a Preliminary Feasibility Study for Exposed Geomembrane Cover System on a 6.6 acre portion of Cell D3 was presented to the Board. The estimated cost of these services is \$13,660. The Board was requested to consider this proposal at next week's Regular Meeting.

7. Water Management's Report:

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

FEBRUARY HIGHLIGHTS:

- February 2010 landfill leachate 661,927 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	151,030 gallons
Area B	79,885 gallons
Area D-1	145,947 gallons
Area D-2	231,844 gallons
Area D-3	37,344 gallons
Granger gas condensate	15,877 gallons

2010 Year to date landfill leachate metered 1,191,514

- February 2009 landfill leachate 271,129 gallons
- February 2010 Rainfall 1.61”

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

T-101 Leachate Storage Tank	- 220,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 202,500 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 93,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 515,500 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 28 %

LEACHATE COLLECTION SYSTEMS –

Currently the Leachate collection system is 100% operational

RECIRCULATION SYSTEM

- 134,010 gallons was recirculated during the month of February 2010. Recirculation for the month was into both the leachate trenches and blankets.

Recirculation to date: 3/1/2010

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,402,732	1,888,720	
D	1,320,535	1,783,398	
E	1,425,955	2,631,930	
F	2,823,564	3,682,875	
G	2,908,394	5,066,750	
<u>H</u>	<u>1,115,669</u>	<u>5,687,500</u>	
Total	12,114,650 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 9,567,186 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	48,870	1,250,000
2	32,250	1,250,000
3	34,690	1,250,000
4	22,390	1,250,000
Total	138,200 (gal)	5,000,000 (gal)

UFRO Research and Development February 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 5.4 gpm and the RO system is operating at an average flow rate of 6.8 gpm. The plant is averaging approximately **2,113 gpd** for the month of February 2010.

The RO unit produced – **59,168** gallons of permeate during the month of February 2010.

MONTHLY COST ESTIMATE	\$4,727.19
Monthly Electric	\$1,187.52
Total	\$5,914.71
Cost Per Gallon	\$0.10

GROUND WATER INVENTORY UPDATE: 1/1/2010

Ground Water Storage Pond – 729,000 gallons 91 % of capacity

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

Total Ground Water received for February 2010 – 421,901 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 February 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 299,200 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 299,200 gallons was discharged to the Conestoga River during February 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 was conducted in early March. There were two radiation alarms since the last meeting. Ms. Devine mentioned that she accompanied the DEP and Caernarvon Township inspectors on a site inspection on February 19th. Ms. Devine also stated she had a phone conversation with personnel at North Coventry Sewer regarding radiation alarms in their sludge loads. That concluded her report.

9. Recycling Coordinator's Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings attended during the past month. The Thornbury Township draft recycling ordinance was reviewed.

B. Correspondence: In: Among the items listed were the shredding and electronics event service provider agreements and a P & M price proposal by Allied Waste Industries. A meeting is scheduled on March 25 to review the proposal and discuss options.

Correspondence – Out: Ms. Fromnick noted that 3 press releases were submitted to the media list and P & M recycling confirmation letters and residual reports were sent to all participants. Ms. Fromnick submitted the Act 101 Section 902 SAP Document #4100043714 Disbursement Request on behalf of the County and the Chester County Solid Waste Authority. The CCSWA Residential/Small Business Electronics Recycling application for registration was also submitted. A survey was sent to haulers and municipalities to determine potential interest in mattress recycling.

C. Projects: Work continues on the collection of 2009 recycling data and recycling facility and site information. The master composting classes began this week and the Arborganics compost site should receive DEP approval by the end of the month.

10. Business Manager's Report.

A. February 2010 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for February 2010, indicating that the tonnage of 17,055.51 was 13.9% under budget and was lower than February 2009 by 11.3%.

B. February 2010 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding increased from 34.73 days in January 2010 to 37.59 days in February 2010. Mr. Gorney stated that there were no major problems.

C. February 2010 Financial Statement: Mr. Gorney presented the Financials for February 2010 stating that we had a gain of \$38,159 for the month. Retained Earnings are at \$40,318,816. The funds invested totaled \$36,055,831.15 at month end. The interest earned in February 2010 was at a rate of 0.84% down from the .87% in January 2010. The rate decreased due to the rollover of funds to lower interest rates.

D. February 2010 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for February 2010 totaled \$762,035.28.

E. Large Dollar Check Approvals: Mr. Gorney presented the March 2010 Large Dollar invoices totaling \$359,889.54 consisting of the attached schedule 10E. Mr. Carosella made a motion to accept the Large Dollar Invoices as presented; Mr. Knipe seconded the motion. The motion was carried by a unanimous vote.

F. Resolution for Authorized Signatures at US Bank: Authorized Signatures for

US Bank was presented to the Board for approval. Mr. Marroletti made a motion to approve the Resolution as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.

G. 2009 Auditor's Report: The subject report for the year 2009 was presented by Ms. Christina Chepel explaining the findings of the audit. The report was issued with an Opinion which stated, "In our opinion, the financial statements to above present fairly, in all material aspects, the financial position of the Chester County Solid Waste Authority as of December 31, 2009 and 2008, and the changes in its financial position and its cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America". Acceptance of the report was scheduled for the Regular Meeting on March 25, 2010.

There being no further business, the meeting was adjourned at 6:59 p.m.

Prepared by,

Peggy A. Cunius