

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

June 17, 2010

1. **Call to Order:** Bob Schoenberger, Chairman, called the June 17, 2010 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Peter Marroletti
Ramsey G. DiLibero
William H. Shirk

Authority Members Absent

Peter Knipe
Vince Carosella
Dante W. Renzulli, Jr. Esquire

Management and Staff Present

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

Solicitor

Vincent M. Pompo, Esquire

2. **Meeting Minutes.** The minutes will be approved at next week's *Regular Session Meeting*.
3. **Chairman's Announcements.**

The Chairman said that he, Mr. Knipe, Mr. Renzulli and Mr. Watts attended the awarding of the Charles Moody Education Scholarship at the Owen J. Roberts High School.

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

A. Monthly Activity Report: Mr. Watts first congratulated Mr. Myer on his many years of service to the Authority. Mr. Watts said this will be Mr. Myer's last Board meeting since he is planning to retire at the end of the month. There are no immediate plans to replace Mr. Myer; Mr. Watts and staff plan to take over Mr. Myer's duties for now. Mr. Watts said he would like to discuss a few items contained in his monthly report in Section 4A. We had requested and received approval for up to 2,500 tons per day through the end of June due to the demolition of two dorms at West Chester University. Mr. Watts said there has been a meeting with an Eagle Scout candidate and his family concerning the construction of a nature trail on the landfill's property. Mr. Watts said he worked with Conestoga Landfill to host the 2010 SWANA's Mid-Atlantic Regional Road-E-O for trucks and heavy equipment. Mr. Watts said the event was a success with record attendance. Mr. Watts said one of our operators took overall first place and first place for the bulldozer. We had another operator take first place on the landfill compactor.

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 first article in this section was the first page of the May edition of Brandywine Valley Association Newsletter. The lead article highlighted their Red Streams Blue Program will start the construction phase this fall. CCSWA, the city of Wilmington and the Federal government were mentioned as the funding sources for this project. Mr. Watts said the New York legislature approved a tough electronic manufacturer take back program. The last article in this section was concerning Lancaster County Solid Waste Management Authority's efforts to support the third in a series of developers of the property that is adjacent to their waste to energy plant.

D. Chester County Municipal Waste Management Plan: Mr. Watts said this section contains a copy of a letter from PADEP making comments on the plan update.

E. SRBC Notice: Mr. Watts said this section contained the notice of last Friday's Meeting. Mr. Laird said everything at the meeting went as expected and we are now members.

F. Lancaster County Conservancy: Mr. Watts said this section contained a copy of the thank you letter they sent to him for meeting with them last Friday.

G. NOV Letters Waste Management: The Board directed Mr. Watts and Mr. Pompo to send a letter to PADEP informing them that Waste Management has not been responsive to our notices.

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

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

Landfill Gas Collection/Odor Control

Mr. Myer reported the current gas flow is approximately 2,900 CFM. The engine is running most of the time burning approximately 420 CFM and the balance is sent to the customers. A second engine has been delivered and they hope to have it online soon.

Weather

We received 2.42” of rainfall in the month May.

Miscellaneous Site Work

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

We continue to remove soil from the cell D-3 and area B as filling in cell D-2 continues. A portion of the excavated soil is being placed in the 15’ set back on North side of cell D-2.

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.

The contractor for the fuel island and steel loading rack (William P. Kachel Jr.) has been notified of the contract award and is in the process of acquiring the necessary permits.

Upcoming Projects/Activities

Mow landfill benches to allow easier access to the gas wells for testing and maintenance as needed.

Intermediate cover mixed with composted leaves continues to be placed on the north slope of cell D-2. The area will be hydro seeded after the cover has been placed.

Landfill Inspections

John Pollock (PADEP) was on site May 10, 2010 for an inspection. A written report of that inspection is included in my report. (pages 2 and 4 were not sent by PADEP) Mark Mueller, Caernarvon Township Host Community was also on site May 10, 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 June 2010 was presented to the Board. The following items were included in the verbal report.

- The current list of construction service contracts includes the Disinfection Modification Project and the 2010 Entrance Paving Repairs.
- During this report period Ludgate Engineering Corporation completed the record drawing for leachate recirculation force main to Cell D3. Ludgate also assisted with bidding phase engineering services concerning 2010 Entrance Paving project.
- A kick off meeting for the Flare Relocation Design Phase was conducted on June 10, 2010. The meeting was attended by SCS Engineers, Granger Energy and CCSWA staff.
- The request to abandon the older enclosed flare remains under review by PADEP's Bureau of Air Quality.
- Blazosky Associates Inc. continued to provide LFG monitoring services related to EW-312 during this period.
- On or about May 28, 2010, Sanborn Head and Associates delivered the Annual Leachate Recirculation Monitoring Report for 2009.
- A meeting with the ARM Group Inc. was conducted on May 26, 2010 to review the status of the Waste Filling Sequence Drawings. Changes to the drawings were requested at this meeting. Revisions to the drawings remain in progress.
- The Form 37 Certification Report was completed. The Report was sent to PADEP on or May 24, 2010.
- On or about June 7, 2010, Barton & Loguidice delivered, the draft feasibility study (30% complete milestone) concerning the Alternative Energy Study. The draft was reviewed and comments were issued. Completion of the Study remains in progress.
- Bids were received on June 10, 2010 for the 2010 Entrance Paving Improvements. The apparent low bidder is Reading Site Contractors in the amount of \$31,461.13.
- Updates of the Closure Plan Implementation and the Closure Construction Progress Table were prepared during this period. Comments concerning the survey drawings were compiled at the June 8, 2010 staff meeting. The comments were sent to Ludgate Engineering for revision.
- A pre-construction meeting for the Disinfection Modifications was held on June 3, 2010. The meeting was attended by Shure-Line Construction, Keystone Engineering and CCSWA staff.
- A pre-application meeting concerning an exposed geomembrane cover system was held at PADEP's South Central Regional Office on June 9, 2010. The meeting was attended by PADEP, the ARM Group and the CCSWA staff.

B. ARM Group Inc. – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated June 14, 2010 was presented to the Board for review. The report provides an update on the progress of the Area E PMA and other assignments.

C. Keystone Engineering Group – Monthly Status Report: A copy of the Monthly Progress Report from Keystone Engineering Group dated June 15, 2010 was presented to the Board for review. The report provides an update on the progress of the Wastewater Disinfection project and the Public Water and Wastewater Evaluation. The preliminary opinions of cost for the water and wastewater systems are \$920,000 and \$1.9MM respectively.

D. Barton & Loguidice, P.C. – Progress Report: A copy of the Progress Report from Barton & Loguidice dated June 14, 2010 was presented to the Board for review. The report provides an update concerning the suggested PEDDA Grant Application and a potential private partnership with UGI Energy Services.

E. 2010 Entrance Paving Repairs – Bid Results (unchecked): A copy of the unchecked bid results for the 2010 Entrance Paving Repairs was presented to the Board. The Bids were received on June 10, 2010. A copy of Attorney Pompo’s June 14, 2010 memorandum was attached.

7. Water Management’s Report:

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

MAY HIGHLIGHTS:

- May 2010 landfill leachate 486,671 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	197,871 gallons
Area B	76,348 gallons
Area D-1	97,510 gallons
Area D-2	72,382 gallons
Area D-3	12,853 gallons
Granger gas condensate	29,707 gallons

2010 Year to date landfill leachate metered 3,762,123

- May 2009 landfill leachate 631,392 gallons
- May 2010 Rainfall 1.96”

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

T-101 Leachate Storage Tank	- 222,500 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 220,000 gallons	capacity – 850,000 gallons
T-100 Equalization Tank	- 85,000 gallons	capacity – 110,000 gallons
Total Leachate Inventory	- 527,500 gallons	capacity – 1,810,000 gallons

Total percent of storage utilized - 29 %

LEACHATE COLLECTION SYSTEMS –

Currently the Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 174,800 gallons was recirculated during the month of May 2010. Recirculation for the month was into the leachate blankets.

Recirculation to date: 6/1/2010

Trench #	Recirculated (gal)	Maximum (gal)	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,426,152	1,888,720	
D	1,345,845	1,783,398	
E	1,443,945	2,631,930	
F	2,843,519	3,682,875	
G	2,937,274	5,066,750	
H	1,149,679	5,687,500	
Total	12,264,205 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 9,417,631 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	167,183	1,250,000
2	152,320	1,250,000
3	152,980	1,250,000
4	136,927	1,250,000
Total	609,410 (gal)	5,000,000 (gal)

UFRO Research and Development May 2010

The UFRO Treatment plant upgrade continues moving forward. ShureLine Construction has been on site the past week beginning the electrical work running conduit and making control panel modifications. Treatment plant staff has removed the existing PolyBlend polymer make down system to be replaced with the chlorine meter pump and system. 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 6.0 gpm and the RO system is operating at an average flow rate of 6.5 gpm. The plant is averaging approximately **2,079 gpd** for the month of May 2010.

The RO unit produced – **64,437** gallons of permeate during the month of May 2010.

MONTHLY COST ESTIMATE	\$4,871.19
Monthly Electric	\$1,048.36
Total	\$5,919.55
Cost Per Gallon	\$0.09

New RO membranes were installed this week and the plant was brought back online. The RO permeate throughput is slightly above 10.6 gpm as expected with new membranes.

GROUND WATER INVENTORY UPDATE: 6/1/2010

Ground Water Storage Pond – 600,000 gallons 75 % of capacity

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

Spray irrigation was required to keep the Ground Water Pond at a manageable level.

Total Ground Water received for May 2010 – 207,985 gallons.

- The outfall 101 piping was cleaned using a sewer jet pump truck. The discharge piping was 90% clogged. The discharge/recirculation pump was cleaned and rebuilt. This system is now capable of pumping 38 gpm. This pumping system should now be able to keep the pond at a manageable level. Spray irrigation will now be discontinued but will remain an option for pond management.

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 May 2010 will report full compliance with the new 2009 NPDES Permit. All Monitored Parameters were below required discharge limits.

66,240 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 28,160 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 94,400 gallons was discharged to the Conestoga River during May 2010.

Meeting Attended: On May 11, 2010 I attended the SRBC Commission Meeting and Public Hearing. During this meeting the CCSWA projects were scheduled for action. With recommendation for approval from the Commission, both the consumptive water use project as well as the water diversion into the Susquehanna Basin was unanimously approved.

8. Compliance Officer's Report:

A. Monthly Activity Report: Ms. Devine stated that there was one radiation alarm since the last meeting. The isotope was identified as radium-226, which is not a medical isotope. The PADEP directed us to unload the truck and identify the source. CCSWA contracted with Elk Environmental to provide a Health Physicist to identify the source. The truck was unloaded and the source was identified as a rock from Owen J. Roberts School District. PADEP retrieved the rock for proper disposal. Ms. Devine attached copies of the reports regarding the incident to her report for the Board's information. Ms. Devine also attached a printout of the email notification generated by the new landfill gas management system for the Board's information.

9. Recycling Coordinator's Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings attended During the past month especially those with municipal officials. With funding pressure from DEP, more municipalities are interested in meeting their Act 101 compliance requirements, updating ordinances and recycling programs. An additional HHW site in southwest Chester County is being researched for the 2011 schedule.

B. Correspondence: Of the items listed, Ms. Fromnick noted the DEP grant approval of \$68,394.12 for the County office recycling program containers and reimbursement for the CCSWA recycling drop-off containers. Ms. Fromnick also reminded everyone of the upcoming HHW event and mentioned the continuous refusal of Recycling Services, Pottstown to report their tonnage to the North Coventry Township or the County.

C. Projects: Work continues on the Act 101 2009 Annual Report. Ms. Fromnick also commented on the valuable work conducted by the volunteer master composters.

9. Business Manager's Report.

A. May 2010 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for May 2010, indicating that the tonnage of 32,032.42 was 15.3% over budget and was higher than May 2009 by 23.2%.

B. May 2010 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding decreased from 32.52 days in April 2010 to 31.36 days in May 2010. Mr. Gorney stated that there were no major problems.

C. May 2010 Financial Statement: Mr. Gorney presented the Financials for May 2010 stating that we had a loss of \$97,697 for the month. The loss was entirely due to the Granger payment. Retained Earnings are at \$40,979,745. The funds invested totaled \$37,065,195.50 at month end. The interest earned in April 2010 was at a rate of 0.60% down from the 0.74% in March 2010. The rate decreased continues due to the rollover of funds to lower interest rates.

D. May 2010 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for April 2010 totaled \$767,309.62.

E. Large Dollar Check Approvals: Mr. Gorney presented the May 2010 Large Dollar invoices totaling \$130,284.43 consisting of the attached schedule 10E. Mr. DiLibero made a motion to accept the Large Dollar Invoices as presented; Mr. Shirk seconded the motion. The motion was carried by a unanimous vote.

F. Defined Contribution Plan– 1st Half 2010: The Board was asked to determine the pension payout rate for the first half of 2010. A rate of 8% was recommended, which was the same as prior years.

There being no further business, the meeting was adjourned at 6:48 p.m.

Prepared by,

Peggy A. Cunius