

# CHESTER COUNTY SOLID WASTE AUTHORITY

## *Work Session — Lanchester*

*July 23, 2015*

1. **Call to Order:** Bob Schoenberger, Chairman, called the July 23, 2015 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:30 p.m.

*Authority Members Present*

Bob Schoenberger  
Peter Marroletti  
Vince Carosella  
E. Joel Martin

*Authority Members Absent*

Kim Venzie  
Peter Knipe  
Ramsey G. DiLibero

*Management and Staff Present*

Robert A. Watts  
Owen Esterly  
Mike Magrann  
Gary Laird

*Solicitor*

Vincent M. Pompo, Esquire

2. **Chairman's Announcements/Public Comments.**

The Chairman had no announcements.

3. **Meeting Minutes.** Mr. Schoenberger said the minutes will be acted on at next week's meeting.

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

**A. Monthly Activity Report:** Mr. Watts said under the Correspondence Out Section of his report that he has contacted the companies that had overweight trucks in May and June concerning their overweight trucks. Mr. Watts said we had two tours here in June – PA Council of Professional Geologists and Garden Spot Retirement Community. We are continuing to develop our mobile application. Mr. Watts said he met with the developers of an Energy Park in Coatesville for discussions about anaerobic digestion. Mr. Watts said the property at 1131 Elwood St. sold on June 17, 2015 for \$192,900.

**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. Solid Waste News:** Mr. Watts said the first article in this section was an article on the expansion of a Northampton County landfill. There were several articles in this section concerning Zero Waste. There was also an article in this section citing a study by GBB indicating that recycling rates could be substantially improved with advances in processing technologies including mixed waste processing.

**D. Correspondence:** Mr. Watts said the first letter in this section was from our annual Risk Control Survey. They recommended that we update our Drug & Alcohol Policy and consider adopting a Lone Operator Policy. We are working on both. The next letter was from the Honey Brook Borough Police Department thanking us for our recent donation. The last letter in this section was from the Honey Brook Community Library thanking us for repairing their sidewalk and installing a new pavilion.

**E. Groundwater & Stormwater Memo:** This section contained an updated spreadsheet of private wells that were tested for mercury. There were no new exceedences. This section also contained a copy of a June 10, 2015 letter from Charlene Sauls of the PADEP. This section also contained a copy of today's letter from Ms. Devine responding to Ms. Sauls letter of June 10th. This section also included a July 20, 2015 letter from the ARM Group addressing Caernarvon Township Board of Supervisors concern on the metals analysis from groundwater testing results from PS-41. Mr. Watts also included in this section graphs from sampling Sedimentation Ponds 6 and 11 for lead, arsenic and mercury. Mr. Watts said there was not any mercury detected in either Sedimentation Pond. Mr. Watts said we are required to sample the ponds twice a year when there is water discharging. Sedimentation Pond 1 was sampled earlier in the year and Sedimentation Pond 10 has not discharged yet this year.

**F. George A. Weaver, Inc. – Property Rental (Executive Session):**

**G. Property Purchase (Executive Session):**

The Board left Regular Session to enter Executive Session at 6:02 p.m. and returned to Regular Session at 6:09 p.m.

**H. Mission Statement:** Mr. Watts said he added back into this section this month a third version of a mission statement that he has developed. He also included the information Mr. Martin provided him at the last Board Meeting.

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

**A. Monthly Activity Report:** Mr. Watts said we recorded 8.9” of rain in June, and so far this month July continues to be wet. There were 15 tires removed from the working face during June. We also used 409 gallons of odor neutralizer in June. The engine that had failed last month on one of our landfill compactors was rebuilt and reinstalled. Our new compactor is now in service with the GPS system installed. Our newest and largest bulldozer has also developed engine problems. The Cat Maintenance Manager complemented our operator with detecting this problem before any of the computers or instruments did. If he had not shut down the dozer, the cost to Cat to repair this dozer under warranty would have been higher. The inspection report from the Caernarvon Township Host Inspector and the comment section of the inspection report from PADEP is included in this section and had no violations or major concerns. Mr. Watts said included in this section were graphs of rainfall by month, cost of daily cover, contracted labor, daily landfill gas flow, fuel usage, average overtime hours by month per operation’s employee, truck cycle time average and equipment utilization. Mr. Watts said our cost to cover waste was significantly reduced this month because we had alternate daily cover jobs during the month. Mr. Watts said he added the monthly average rainfall from Avondale to the graph this month. Mr. Watts said NOAA has over 30 years of data at this monitoring site and it should provide a measure of what the average rainfall in the area is by month.

## **6. Facility Engineer’s Report:**

**A. Monthly Activity Report:** The Monthly Engineer’s Report for the July 2015 Board Meeting was presented to the Board. The following items were discussed.

- Waste placement within the project area remains in progress. A kick-off meeting has been scheduled for July 30, 2015. An updated project schedule will be considered at that meeting.
- The Construction Certification Report for the Area E, Stage 2 Construction including the required PADEP Form 37 was submitted to PADEP on July 14, 2015. The operation of Area E, Cell 2 remains subject to PADEP’s approval of the Report and the Form 37.
- Monthly monitoring of the Cell D3 Alternative Final Cover demonstration facility remains in progress.
- During this period, LEC provided surveying services in an attempt to locate two old residential water wells near Bill Shirk’s property. An update concerning the public water supply planning is found in the status report from LEC dated July 13, 2015.

- The ARM Group completed the Permit Modification Application (PMA) for the Settlement Accommodation Plan (SAP) on or about July 22, 2015. The PMA was submitted to PADEP. On July 9, 2015 I asked that ARM/Enertech furnish a cost proposal for a brief planning study to develop the SCADA project. Preparation of the proposal is in progress. During the period the ARM Group compiled invoices resulting from Severson's project delays and nonconforming work. Additional details concerning ARM's current activities and assignments are found in ARM's monthly status report dated July 16, 2015.
- During the period BAI delivered the final 2015 Bonding Update and the Sinking Fund Analysis. The documents were submitted to PADEP on or about June 30, 2015 as part of the Authority's 2014 PADEP Operations Report.
- On July 8, 2015 I requested that Earth Res furnish the Authority with an update concerning the Authority's membrane evaluation project. On July 10, 2015 Earth Res furnished a response to my inquiry and included copies of vendor email correspondence. Please refer to the Earth Res email dated July 10, 2015 for details concerning the status of the membrane replacement project. On July 15, 2015 Earth Res delivered a draft sampling plan for the membrane evaluation. The draft sampling plan remains under staff review. The membranes were delivered to the leachate treatment plant this week.
- During the period I assisted with the response to Attorney Pettit's July 2, 2015 email request for copies of all of ARM's invoices in support of the Authority's claim against Severson for extra Engineering and CQA Expenses.

**B. Public Water Supply Planning – Status Report:** A copy of LEC's July 13, 2015 Status Report concerning the Public Water Supply Planning Study was presented to the Board. The remaining steps needed to complete the Planning Study are found at the bottom of page 2 of the Status Report. LEC has been asked to prepare a cost proposal to complete the remaining steps.

**C. ARM Group – Status Report:** The Monthly Status Report from the ARM Group dated July 16, 2015 was presented to the Board. The cumulative cost of extra engineering and CQA services resulting from Contractor delays and non-conforming work totals \$354,062.

**D. Area E Cell 1 Certification Report – Letter To PADEP:** A copy of the July 14, 2015 transmittal letter from the ARM Group to PADEP concerning the Area E, Stage 2 Construction Certification Report was presented to the Board. PADEP's review of the Report is anticipated to take about 90 days.

**E. UF Membrane Evaluation – Status Report:** A copy of the July 10, 2015 email from the Earth Res Group regarding the status of the ultra-filtration membrane evaluation was presented to the Board. An updated project schedule was included in the email. The new target date for completing the evaluation is the end of December 2015.

**7. Water Management's Report:**

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

**Leachate Storage Balance**

	<u>Month of June 2015</u>	<u>Gallons</u>
<b>Beginning of Month Leachate in Storage</b>		<b>532,500</b>
Metered Leachate Flow from Landfill		881,250
System / Meter Variance for Month (calculated)		(31,576)
<b>subtotal of Gallons Available for Disposal</b>		<b>1,382,174</b>
Leachate Hauled Offsite		691,996
Leachate Treated		55,230
Leachate Recirculated to Landfill		89,948
<b>End of Month Leachate in Storage</b>		<b>545,000</b>
	% Meter Variance 3.6	

LEACHATE STORAGE UPDATE: (As of June 31, 2015)

T-101 Leachate Storage Tank	-245,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	-190,000 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>-110,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Storage	-545,000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 29 %

**LEACHATE COLLECTION SYSTEM:**

- Currently the Leachate collection system is 100% operational. Monthly maintenance is being performed, cleaning strainers and impellers on pumps and paddle wheels on flow meters.
- Data including leachate levels, pumping rates, and flow totalizer numbers are collected Daily Monday through Friday.

**RECIRCULATION SYSTEM**

- Recirculated into the Area C and D recirculation blankets during the month of June 2015.
- Area D Recirculation system was put into service in May.

**Recirculation to date: 5/31/2015**

<u>Trench</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>
E	1,793,912	2,631,930
F	3,130,621	3,682,875
G	3,263,425	5,066,750
<u>H</u>	<u>1,366,965</u>	<u>5,687,500</u>
<b>Total</b>	14,283,692 (gal)	21,681,836 (gal)

Remaining Trench Capacity – 7,472,834 gallons

**Recirculation Blankets:**

- 42,310 gallons recirculated into the area C blankets

<u>Area C Blankets</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
2	254,362	1,250,000
3	206,539	1,250,000
4	219,265	1,250,000
<b>Total</b>	<b>595,611(gal)</b>	<b>3,750,000 (gal)</b>

- 47,638 gallons recirculated into the area D blankets

<u>Area D Blankets</u>	<u>Recirculated(gal)</u>	<u>Maximum gallons/year</u>
1	54,500	1,250,000
2	46,103	950,000
3	88,539	825,000
<b>Total</b>	<b>189,142</b>	<b>3,025,000</b>

**LEACHATE TREATMENT PLANT (UFRO SYSTEM)**

The UFRO ran 24 days during June. The plant processed 55,230 gallons this month averaging 2,301gpd.

**GROUND WATER INFLOW/STORAGE UPDATE: 6/30/2015**

- Ground Water Holding Pond – 520,000 gallons 65 % of capacity.
- The Ground Water Holding Pond Outfall 101 maintained a manageable level during June 2015 with no discharge.
- Analytical testing for arsenic and lead was preformed this month and results came back non-detect. Analytical is attached.
- Water from this Groundwater Holding Pond is available for Contractors as well as CCSWA staff for dust control.
- Total Ground Water received for June 2015 – 87,244 gallons.
- No Arsenic or Lead detected for June 2015. (corrected 7/24/2015)

**NPDES PERMIT:**

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated June 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for June 2015 has reported full compliance with the 2009 NPDES Permit. All Monitored Parameters were below required discharge limits. 0 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 327,500 gallons of groundwater (Outfall 101) Ground Water Holding Pond, was discharged to (Outfall 001). A total of 327,500 gallons was discharged to the Conestoga River (Outfall 001) during June 2015.

**8. Compliance Officer's Report:**

**A. Monthly Activity Report:** Mr. Watts said the ARM Group had started work on the groundwater assessment on mercury that the PADEP has requested. There were three radiation alarms in June for I-131 and all loads were landfilled. Mr. Watts said the enclosed flare ran four times in June for a total of 10.25 hours. Mr. Watts said he wanted to inform the Board that on July 6, 2015 the automatic valve did not close properly after the flare was run. Enclosed in this section is a July 10, 2015 letter from Ms. Devine to PADEP on this incident. Also included in this section is an Incident Emissions calculation that the ARM Group had prepared for us. From Ms. Devine talking to PADEP we believe this malfunction does not rise to the level that could result in a notice of violation. Granger Energy does not plan to run this flare until the valve seats are replaced. Mr. Watts also said we did get an odor complaint from Zook Drive on July 15, 2015 in the morning. We were relocating old waste and due to weather conditions we decided to postpone the relocation project to another day. The IU Site's leachate sampling plan has been approved and is the next step in delisting this leachate. This section also included a copy of the second quarter's Exceedence Report for on-site monitoring wells.

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

**A. Monthly Activity Report:** Mr. Watts said he would answer any questions the Board had on Ms. Fromnick's report.

**10. Business Manager's Report.**

**A. June 2015 Financial Statement:** Mr. Magrann presented the Financials for June 2015 stating that Net Income was \$531,423, which was 17.3% (\$111,137) below the Budgeted amount for the month, and 21.0% (\$610,078) below Budget for the year. Retained Earnings at the end of June 2015 were at \$65,911,280. The funds invested totaled \$43,094,469 at month end.

**B. June 2015 Accounts Receivable:** Mr. Magrann stated that receivable days outstanding decreased from 32.52 days in May 2015 to 32.01 days in June 2015. In addition, Rental Property Collections was lower than Expected Net Rentals Due by \$1,171 in June 2015.

**C. June 2015 Tonnage/Customer Information:** Mr. Magrann presented the Tonnage Report for June 2015 of 25,345 tons which was 9.39% below budget for the month and was 4.60% lower than the June 2014 tonnage received. The June 2015 Y-T-D tonnage received was 5.91% lower than the June 2015 Y-T-D budgeted tonnage and 5.02% lower than the June 2014 Y-T-D actual tonnage.

**D. June 2015 Check Register Report:** The Vendor Check Register for July 2015 was presented to the Board by Mr. Magrann. The checks totaled \$633,398.990.

**E. Large Dollar Check Approvals (6/26/2015 To 7/23/2015):** Mr. Magrann presented the Large Dollar Invoices (from June 26, 2015 to July 23, 2015) totaling \$2,574,688.76. Mr. Marroletti made a motion to accept the Large Dollar Invoices as presented; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

**F. Severson Contract Status Snapshot:** Mr. Magrann presented an informational snapshot review on the current status of payments made / potential damages which could be assessed under the Severson Contract.

**G. Investment Procedure For Closure/Post Closure Collateral:** Mr. Magrann presented the Procedure for Investing the PA DEP Closure / Post Closure Funds, which included the establishment of the Trade Execution account, and a monthly Investment Summation Report for the Board's approval. In addition, a Supplement to the Procedure was presented which detailed the designated Finance Committee members, PA DEP listing of Acceptable Investments, and Acceptable Risk Rating for the Investments. Mr. Carosella made a motion to accept the Investment Procedure, as well as the Supplement, as presented, Mr. Marroletti seconded the motion. The motion was carried by a unanimous vote.

**H. PA DEP Quarterly Payment Summary:** Mr. Magrann presented a request to approve Mandated and Non-Mandated 2nd Quarter, 2015 Act 101 Fees totaling \$1,042,803.410. Mr. Martin made a motion to accept the Act 101 Fee Summary as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.

There being no further business, the meeting was adjourned at 7:27 p.m.

Prepared by,

Peggy A. Cunius