

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

September 18, 2014

1. **Call to Order:** Bob Schoenberger, Chairman, called the September 18, 2014 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:40 p.m.

Authority Members Present

Bob Schoenberger
Vince Carosella
Peter Marroletti
Peter Knipe
Kim Venzie

Authority Members Absent

Ramsey G. DiLibero
E. Joel Martin

Management and Staff Present

Robert A. Watts
Gary Laird
Mike Magrann
Owen Esterly

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.**

Mr. Watts said Ms. Devine and Ms. Fromnick were excused from tonight's meeting and that he will answer any questions the Board might have on their sections or have the answers at next week's meeting.

A. Monthly Activity Report: Mr. Watts said he has been asked by a number of Chester County municipalities as to what the tipping fees will be for 2015. Mr. Watts has been telling them that the tipping fees have not been set yet, but to plan on \$2.00 per ton increase. Mr. Watts said he received a request from Caernarvon Historical Society for a donation to help with their estimated \$1,500 cost to waterproof their building. Mr. Watts said he and the Chairman had met with Chester County Commissioner's Chief of Staff to discuss the status of plans with Harteland Resources on siting a conversion technology based facility to serve Chester County. Mr. Watts said we assured the County that we have not committed to anything at this time. Mr. Watts said he also visited the County property with Harteland and in his opinion is not suitable for such a facility. Mr. Watts said he had a Cub Scout Den from Downingtown for a tour the end of August and they had a good time and he received thank you notes today. Mr. Watts thanked the Board for the opportunity to go to SWANA's WASTECON again this year where he picked up some new ideas. Mr. Watts said he and the Chairman toured a materials recovery facility that is serving Montgomery Alabama. Mr. Watts said this is a new facility that is sorting curbside waste. They are currently processing about 35 tons per hour in two shifts. They are currently exceeding the contractual obligation to recycle 60% of what they receive. The Montgomery facility will be starting Phase 2 which is adding an anaerobic digester and should increase their diversion rate to about 75%. Phase 3 is adding a refuse derived fuel process that will increase the diversion to about 90%. Mr. Watts said 591 Friendship Dr. property is scheduled to sell to a third party by the end of the month. CCSWA will making up the difference between the fair market value and the sale price as well as other seller incentives. The property at 557 Friendship Dr. is on the market and CCSWA has agreed to make up the difference up to \$25,000 and other incentives at this time.

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 concerning the federal government (DEA) is implementing the final rule of the Secure and Responsible Drug Disposal Act of 2010. The next article was concerning how Sweden claims to reuse 99% of its waste – 50% by incineration. The next article was concerning the new system in Montgomery, AL that Mr. Watts and the Chairman recently visited. California has passed a statewide plastic bag ban, but it has not been signed by the Governor yet.

D. Correspondence: Mr. Watts said this section contained a copy of an August 28, 2014 letter Dave Santarosa of Severson Environmental Services sent him. Mr. Watts said this Section also contains his September 3, 2014 response.

E. Covanta Petition: As required by the Chester County Solid Waste Plan Covanta has submitted a petition to add their Plymouth Facility to the Chester County Plan as a backup facility. This is a follow up to the information they sent earlier this summer.

F. Alternate Final Cap Conceptual Design: This section contains pictures that were sent recently shared with the Citizens Advisory Committee and will be discussed later this month with them.

G. Chester County Solid Waste Plan Update: This section includes the names of the seven firms that responded to the RFP.

5. Operations/Site Development Report:

A. Monthly Activity Report: Mr. Watts said we recorded 3.72” of rain in July. The landfill gas flows had been around 3,200 cfm with the addition of the new wells. Mr. Watts said the flow has been as high as 3,400 CFM and might stabilize close to this as the wells are tuned. We did use 391,600 gallons of water for dust control last month. Odors have been minimal during this period – we used 2,170 gallons of odor neutralizer last month. In this section are the inspection reports from PADEP and Vision Engineering for Caernarvon Township. Both inspection reports had no violations or concerns. Mr. Watts said our wood processor removed almost 200 tons of wood for the month from our compost area. Mr. Watts said included in this section were graphs of cost of daily cover, contracted labor, fuel usage and average overtime hours by month per operation’s employee.

6. Facility Engineer’s Report:

A. Monthly Activity Report: The Monthly Engineer’s Report for September 2014 was presented to the Board. Concerning the investigation of the Piezometer No. 2 installation, PADEP has agreed that no further action is required provided the witness zone flow rates for Cell D2 remain within historical ranges.

B. Area E, Stage 2 – Monthly Status Report: ARM’s Monthly Construction Progress Report dated September 11, 2014 concerning Area E, Stage 2 was presented to the Board. The work completed by Severson during the report period is listed in the Report. On September 5, 2014, the ARM Group issued Nonconforming Work Notice No. 11 (NWN #11) due to Severson’s failure to provide and maintain pumping and drainage within the work area. As a result of Severson’s failure to protect the work, previously prepared subbase located within the new Cell E1 was damaged due to erosion. The damage occurred below previously installed secondary geomembrane and geocomposite materials. Repairs required cutting the previously completed geosynthetic materials to expose the subbase material. Repairs were made to subbase. Seaming the geomembrane and repairs to the geocomposite are still in progress but may be completed this evening. The Report included an update concerning the budget and Payment Application No. 14. The Report also included: construction photographs (including two photographs taken just before today’s meeting); and a Nonconforming Work Tabulation.

C. Area E, Stage 2 – Benchmark Graph: An updated benchmark graph showing the Construction and CQA expenditures was presented to the Board. The graph indicates that about 117% of the contract time has expired. Sevenson’s billings during this time period are identified as about 80%.

D. Area E, Stage 2 – Nonconforming Work Notice No. 11: A copy of NWN #11 dated September 2, 2014 was presented to the Board. Attachments to the Notice included: pictures of the damaged work area; and a copy of the CQA Daily Inspection Log.

E. Area E, Stage 2 – Contract Time Extension Request: A copy of Sevenson’s time extension request letter dated September 8, 2014 was presented to the Board. The letter claims that an abnormal weather event caused the damage to the previously installed subbase. A contract time extension of three days is requested.

A copy of the letter from Mr. Owen Esterly in response to Sevenson’s three day time extension request was presented to the Board. The letter indicates that a three day contract time extension cannot be recommended due to the circumstances described therein.

F. ARM Group – Monthly Status Report: ARM’s Monthly Status Report dated September 11, 2014 was presented to the Board. The Report listed ARM’s invoicing for the report period. Engineering fees that are considered recoverable due to contractor delay and non-conforming work are also listed in the Report.

G. SCS Engineers – Monthly Status Report: SCS’s Monthly Progress Report for September was presented to the Board. During this period SCS provided the Authority with construction phase engineering services on the 2014 LFG Collection and Leachate Collection System Expansions. These services included assistance with the investigation concerning Piezometer No. 2.

7. Water Management’s Report:

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

AUGUST HIGHLIGHTS:

- August 2014 landfill leachate 677,300 gallons (includes gas condensate)

Leachate by area breakdown:

Area C 162,936 gallons

Area B 176,502 gallons

Area D 322,720 gallons

Granger Energy Condensate 15,142 gallons

- August 2013 landfill leachate 731,600 gallons
- August 2013 Rainfall 6.20”
- August 2014 Rainfall 2.51” (7 days of measurable rainfall)

LEACHATE STORAGE UPDATE: (As of September 1, 2014)

T-101 Leachate Storage Tank	-170,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 80,000 gallons	capacity – 850,000 gallons
T-100 Equalization Tank	- 55,000 gallons	capacity – 110,000 gallons
Total Leachate Storage	-305,000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 16 %

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. We are noticing faster sludge build up around the pumps in both the slope risers and wet wells. This is most likely due to recirculation.
- Data including leachate levels, pumping rates, and flow totalizer numbers are collected Daily Monday through Friday.
- Bi-annual Preventative Maintenance is performed by Lee Supply Company Field Technician. All pumps are pulled, cleaned and reinstalled. Readings are taken such as volts and amperage under load. A report of findings is supplied.

RECIRCULATION SYSTEM

- 133,580 gallons was recirculated into the recirculation blankets during the month of August 2014.

Recirculation to date: 9/1/2014

<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
H	1,366,965	5,687,500
Total	14,283,692 (gal)	21,681,836 (gal)
Remaining Trench Capacity – 7,472,834 gallons		

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	337,597	1,250,000
2	344,480	1,250,000
3	343,710	1,250,000
4	361,231	1,250,000
Total	1,387,018 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

The UFRO ran 19 days during August. The plant processed 44,720 gallons during this month. This was an average of 2,354gpd.

LEACHATE HAULING to off-site POTW

A total of 712,000 gallons were hauled off site for disposal during the month of August 2014.

GROUND WATER INFLOW/STORAGE UPDATE: 9/16/2014

- Ground Water Storage Pond – 502,000 gallons 63 % of capacity.
- The Ground Water Storage Pond Outfall 101 maintained a manageable level during August 2014 with no discharge 0 gallons. Contractors as well as CCSWA staff continue to use water from this source for dust control.
- Total Ground Water received for August 2014 – 110,606 gallons.

NPDES PERMIT COMPLIANCE:

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated November 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for August 2014 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 0 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 0 gallons was discharged to the Conestoga River (Outfall 001) during August 2014.

8. Compliance Officer’s Report:

A. Monthly Activity Report: Ms. Devine’s report was given by Mr. Watts.

9. Recycling Coordinator’s Report:

A. Monthly Activity Report: Ms. Fromnick’s report was given by Mr. Watts.

10. Business Manager’s Report.

A. August 2014 Monthly Tonnage Report: Mr. Magrann presented the Tonnage Report for August 2014 of 25,575 tons which was 6.16% under budget for the month and was 0.86% lower than the August 2013 tonnage received. Mr. Magrann stated that the August 2014 Y-T-D tonnage received was 0.04% higher than the August 2014 Y-T-D budgeted tonnage and 0.11% higher than the August 2013 Y-T-D actual tonnage.

B. August 2014 Accounts Receivable: Mr. Magrann stated that receivable days outstanding increased from 35.33 days in July 2014 to 42.17 days in August 2014. In addition, Rental Property Collections was higher than Expected Net Rentals Due by \$729 in August 2014. It was noted that the new property manager, Stout Associates began July 1, 2014.

C. August 2014 Financial Statement: Mr. Magrann presented the Financials for August 2014 stating that Net Income was \$588,109 for the month, which was 1.5% above the budgeted amount for the month. Retained Earnings at the end of August 2014 were at \$61,600,208. The funds invested totaled \$39,827,508 at month end.

Future Board Financial Reports: Mr. Magrann presented a series of schedules to replace the current Financial Reports indexed 10A thru 10C at the August and September 2014 meetings. It was agreed that these new schedules (with any agreed upon changes) would begin to be the sole financial schedules presented to the Board, beginning with the October 2014 Board Meeting.

D. August 2014 Vendor Check Register Report: The Vendor Check Register for August 2014 was presented to the Board. The checks totaled \$2,282,201.29. Mr. Marroletti made a motion to accept the Check Register as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.

E. Large Dollar Check Approvals: Mr. Magrann presented the Large Dollar Invoices (from August 22, 2014 to September 18, 2014) totaling \$1,008,467.87. Mr. Marroletti made a motion to accept the Large Dollar Invoices 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 6:57 p.m.

Prepared by,

Peggy A. Cunius