

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

October 23, 2014

1. **Call to Order:** Bob Schoenberger, Chairman, called the October 23, 2014 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Ramsey G. DiLibero
E. Joel Martin
Peter Marroletti
Peter Knipe

Authority Members Absent

Vince Carosella
Kim Venzie

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 CCSWA had received a certificate again this year for leadership in minimizing workplace injuries for 2013 from the Delaware Valley Workers' Compensation Trust. Mr. Watts said that in spite of the weather we again had a well-attended Open House. We also received two emails complementing Ms. Devine and the food at the Open House. Mr. Watts and Mr. Schoenberger continue to have discussions with vendors that would like to divert waste from the Lanchester Landfill to a new conversion project they are proposing to serve Chester County. The discussions continue to be non-binding.

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 on the front page of the Lancaster Newspaper. The article was concerning the largest sources of greenhouse gases in Lancaster County. The largest source was the Lancaster Authority's Waste to Energy Plant. Their Frey Farm Landfill was fourth on the list. The Lanchester Landfill was third on the list. Mr. Watts said he was glad he was quoted clarifying that about 95% of our landfill gas is either used on-site to generate power or piped to end users in Lancaster County. The second article was a letter to the editor from Covanta rebutting that the Lancaster waste to energy plant is the leading greenhouse gas producer in the county. The next article is concerning a section of Los Angeles to get a \$50 million MRF that is a mixed waste processing facility, similar to the one Mr. Watts visited in Montgomery, AL this summer. The governor has appointed Dana Aunkst as Acting Secretary of the PADEP. There was a long article in this section concerning Allentown's decision to kill their conversion technology deal with Delta Thermo Energy. There was an article concerning solar cells on a Massachusetts landfill.

D. Correspondence: Mr. Watts said this section contained a copy of an email from John Goodall, Western Area Manager for the Brandywine Conservancy. They are working to preserve the Martin farm that is across Route 322 from the main entrance of the Lanchester Landfill. They have found much of the funding they need to preserve the farm, but are \$63,000 short. He is asking if CCSWA would make up this gap in funding.

E. Covanta Petition Update: Covanta is arranging to make the required payment to Chester County so they can add their Plymouth facility to the Chester County Solid Waste Plan. CCSWA will then make the minor modification to the plan to add their facility as a by-pass.

F. Response To Joel Martin MW-7A: Mr. Watts said he planned to discuss this section at next week's meeting.

G. West Fallowfield Township Update: Mr. Watts said he talked to someone at the township office who said they have a transfer station at their old landfill that is open every Saturday. It is serviced by a hauler who is under contract until July 1, 2015. They were interested in changing to the SECCRA Service area because the SECCRA landfill is much closer to the township than is Lanchester. Mr. Watts said he has not heard anything official from the West Fallowfield Board of Supervisors.

5. Operations/Site Development Report:

A. Monthly Activity Report: Mr. Watts said we recorded 1.51” of rain in September. The landfill gas flows had been around 3,100 cfm with the addition of the new wells. We did use 307,900 gallons of water for dust control last month. Odors have been minimal during this period – we used 1,375 gallons of odor neutralizer last month. One of our major projects this month with the help of Lyons and Hohl was to complete almost 10 acres of intermediate cover. The prepared intermediate cover areas were hydroseeded and the grass has started growing. 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 over 100 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 October 2014 was presented to the Board for review at the Board’s convenience.

B. Area E, Stage 2 – Nonconforming Work Notice #12: Nonconforming Work Notice No. 12 (NWN #12) was presented to the Board by Mr. Daniel Fellon, P.E. of the ARM Group. Mr. Fellon reviewed the Notice and provided the Board with an update concerning the investigation into the extent of the damage caused by Severson Environmental Services (SES) to the Geosynthetic Clay Liner (GCL).

C. Area E, Stage 2 – Letter From Severson Dated October 14, 2014: The following four letters were presented to the Board for review:

- October 14, 2014 – SES’s request for a “clarification” on how SES is to proceed with the installation of the force main and concrete channel.
- October 16, 2014 – CCSWA’s response to the above letter to explain that SES’s request for clarification is untimely and that SES’s placement of the geogrid in conflict with the force main and the concrete channel is the result of SES’s actions and failure to act in accordance with the contract documents.
- October 20, 2014 - SES’s notification of a change of contract price and time for geogrid placement.
- October 22, 2014- CCSWA’s response to the above letter to explain that the above notification does not identify any changes in the work that would justify SES’s notification.

The following additional correspondence was discussed with the Board;

- October 20, 2014- SES's email to submit a Design Modification for concrete channel installation.
- October 21, 2014 – CCSWA's email to request 48 hours for the Engineer's review of SES's proposed design modification.
- October 21, 2014 – SES's letter response to the email above indicating that a 48 hour review time is unacceptable.
- October 22, 2014 – ARM's email indicating that SES's proposed design modifications to the geogrid placement are "Approved as Noted".
- October 22, 2014 – CCSWA's letter to explain that SES's design modification submittal is properly treated as a Contractor Proposed Substitute.
- October 22, 2014 – SES's letter taking exception with the "Approved as Noted" designation and indicating that SES will be self-performing the geogrid placement.
- October 22, 2014 – CCSWA's email explaining that SES is not qualified to self-perform the geogrid installation because the CQA plan specifies that the geogrid will be installed by a specialty MSE Berm Installer.
- October 23, 2014 – SES's email indicating that Terra Structures will be performing the geogrid installation, not SES.

D. Area E, Stage 2 – Monthly Construction Progress Report: ARM's Monthly Construction Progress Report dated October 15, 2014 concerning Area E, Stage 2 was presented to the Board by Mr. Daniel Fellon. Mr. Fellon presented those portions of the Report not previously discussed including: a list of the work completed during the period; the contract budget status; the September 2014 partial payment application; and three construction photographs.

E. 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 the contract completion dates have passed and that SES's billings to date are approximately 87%. The CQA and inspection budget for ARM may need to be considered next month due to the contractor's delay.

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 October was presented to the Board. During this period SCS provided the Authority with assistance on the close-out of 2014 LFG Collection and Leachate Recirculation System Expansions.

H. PADEP Correspondence – Piezometer #2: A copy of the letter to PADEP dated September 17, 2014 concerning the installation depth of Piezometer P-2 was presented to the Board. SCS’s letter dated September 16, 2014 was included as an attachment to the PADEP letter.

7. Water Management’s Report:

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

SEPTEMBER HIGHLIGHTS:

- September 2014 landfill leachate 643,246 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	122,344 gallons
Area B	168,977 gallons
Area D	322,523 gallons
Granger Energy Condensate	14,994 gallons

- September 2013 landfill leachate 407,065 gallons
- September 2013 Rainfall 2.08”
- September 2014 Rainfall 2.75” (6 days of measurable rainfall)

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

T-101 Leachate Storage Tank	-167,500 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	-162,500 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 65,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Storage	-395,000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 21 %

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.
- 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

- 105,500 gallons was recirculated into the recirculation blankets during the month of September 2014.

Recirculation to date: 10/1/2014

Trench #	Recirculated (gal)	Maximum (gal)
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

Blanket #	Recirculated (gal)	Maximum gallons/year
1	373,697	1,250,000
2	378,780	1,250,000
3	378,100	1,250,000
4	361,231	1,250,000
Total	1,492,318(gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

The UFRO ran 14 days during September. The plant processed 30,900 gallons during this month. This was an average of 2,207gpd.

LEACHATE HAULING to off-site POTW

A total of 455,500 gallons were hauled off site for disposal during the month of September 2014.

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

- Ground Water Storage Pond (Holding Pond) – 502,000 gallons 63 % of capacity.
- The Ground Water Storage Pond Outfall 101 maintained a manageable level during September 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 September 2014 – 66,734 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 September 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 0gallons 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 September 2014.

8. Compliance Officer's Report:

A. Monthly Activity Report: Mr. Watts said there was one radiation alarm since the last meeting. This was a load from the SECCRA landfill that contained Iodine-131 at a level that we could landfill. Ms. Devine collected stormwater samples on October 15th. Section 8B included exceedances in the groundwater monitoring wells using the US EPA maximum contaminate levels for drinking water (MCL). Section 8C included the 3rd quarter perimeter gas monitoring results.

9. Recycling Coordinator's Report:

A. Monthly Activity Report: Mr. Watts said if the Board had any question on Ms. Fromnick's report they could ask him or contact Ms. Fromnick directly.

10. Business Manager's Report.

A. September 2014 Financial Statement: Mr. Magrann presented the Financials for September 2014 to the Board.

B. September 2014 Accounts Receivable: Mr. Magrann stated that receivable days outstanding decreased from 42.17 days in August 2014 to 34.05 days in September 2014. In addition, Rental Property Collections was higher than Expected Net Rentals Due by \$565 in September 2014.

C. September 2014 Tonnage/Customer Information: Mr. Magrann presented the Tonnage Report for September 2014 of 26,358 tons which was 4.63% above budget for the month and was 8.04% higher than the September 2013 tonnage received. The September 2014 Y-T-D tonnage received was 0.55% higher than the September 2014 Y-T-D budgeted tonnage and 0.97% higher than the September 2013 Y-T-D actual tonnage.

D. September 2014 Vendor Check Register Report: The Vendor Check Register for September 2014 was presented to the Board. The checks totaled \$1,436,539.45

E. Large Dollar Check Approvals (Until 10/23/2014): Mr. Magrann presented the Large Dollar Invoices (from September 19, 2014 to October 23, 2014) totaling \$2,396,316.91. Mr. Marroletti made a motion to accept the Large Dollar Invoices as presented, except for the \$920,481.23 Severson check not being released until letter received from Solicitor (Vince Pompo); Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

F. Act 101 – 3rd Quarter 2014: Mr. Magrann presented a request to approve Mandated and Non-Mandated 3rd Quarter Act 101 Fees totaling \$1,086,765.93. Mr. Marroletti made a motion to accept the Act 101 Fee Summary as presented; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

G. Request For Bond Purchas: Mr. Magrann presented a request to approve (4) DEP Collateral Bond Replacement in the amounts of \$2,325,000 / \$7,395,000 / \$4,757,000 / \$2,947,000 (total of \$17,424,000). Mr. Marroletti made a motion to accept the DEP Collateral Bond Replacement as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

H. 2015 Budget: Mr. Magrann presented the 2015 Budget. The highlights of the Budget were:

- The reduction of Net Income from the 2014 Projection of \$6,073,186 to a 2015 Budget of \$5,824,338.
- A 2015 Positive Cash Flow of \$167,000, with a 2015 Capital Budget of \$7,633,324 and a \$1,400,000 return of Retainage to Severson.
- Tonnage comparable to 2014 levels, with a \$2 rate increase for most volume types.

The meeting was adjourned at 7:25 p.m. to Executive Session to discuss property purchase, the meeting returned to Regular Session at 7:43 and adjourned.

Prepared by,

Peggy A. Cunius