

# CHESTER COUNTY SOLID WASTE AUTHORITY

## *Combined Work Session & Regular Meeting — Lanchester*

*January 30, 2014*

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

Authority Members Present

Bob Schoenberger  
Ramsey G. DiLibero  
Peter Marroletti  
Joel Martin  
Vince Carosella  
Peter Knipe

Authority Members Absent

Joe Viscuso

Management and Staff Present

Mike Magrann  
Owen Esterly  
Gary Laird  
Teresa A. Devine

Solicitor

Vince Pompo

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

The Chairman had no announcements. Also at the meeting were Frank Fracassi, Dave Santarossa and Matt McCarthy from Severson.

**Reorganization:**

Mr. Martin moved to nominate the following slate of officers for 2014: Dr. Schoenberger, Chairman; Mr. DiLibero, Vice Chairman; Mr. Knipe, Treasurer; and Mr. Marroletti, Secretary. The motion was seconded by Mr. Carosella and passed by a unanimous vote.

The Board voted to reappoint Lamb McErlane Solicitor.

- 3. Meeting Minutes:** Mr. Marroletti moved and Mr. Carosella seconded that the minutes of the December 19, 2013 *Combined Work Session and Regular Meeting* be approved. The vote was unanimous.

**4. Executive Director's Report. (RAW)**

**A. Monthly Activity Report:** The Chairman referred the Board to the written report, senior staff meeting minutes and recent articles of interest.

**D. HRG – NCCMA Act 537 Task Activity Report:** On behalf of the Executive Director, Mr. Esterly presented the January 17, 2014 written proposal from HRG for consulting services to include in Honey Brook Township's Act 537 Special Study a landfill leachate discharge component with respect to connection to the Northwestern Chester County Municipal Authority's public sewage collection and treatment facilities. Mr. Esterly explained that the proposal resulted from longstanding discussions with NCCMA for connection to the public sewer. The Special Study is to address the potential for upgrading and expanding the NCCMA sewage facilities to accommodate a portion of the Lanchester Landfill's treated leachate. Mr. Marroletti moved and Mr. DiLibero Seconded to approve the HRG proposal for lump sum amount of \$12,000. The motion passed unanimously.

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

**A. Monthly Activity Report:** The Chairman referred the Board to the written report.

**6. Facility Engineer's Report. (ORE)**

**A. Monthly Activity Report:** The Monthly Engineer's Report for January 2014 was presented to the Board. The following items were discussed.

- The Construction Certification Report for Area E, Stage 1B Construction was sent to PADEP for review and approval on or about December 11, 2013. The Report remains under PADEP's review.
- Construction work on Area E, Stage 2 and the MSE wall remained in a winter weather shutdown during the period. Additional details are available in the Project Status Report prepared by ARM, dated January 23, 2014.
- Details concerning the status of the Cell D3 Alternative Final Cover can be found in the following attached documents:

6B- CCSWA letter to Severson dated January 2, 2014, Re: Notice of Contractor Delay;

6C- Estimate of Damages due to Delay;

6G- ARM letter to Severson dated December 31, 2013 Re: Substantial Completion;

6E- The response letter from Severson dated January 21, 2014.

- The survey tasks performed by Ludgate Engineering Corporation (LEC) during the period were listed. The tasks included: The aerial flight and photography of the active landfill area; CQA surveying on the Area E, Stage 2 & Cell D3 Alternative Final Cover; survey of the test pit excavations next to the Shirk property. Work was started on the 2013 Annual PADEP Report drawings. LEC also participated in the January 10, 2014 meeting with representatives of HRG concerning the NCCMA sewer plan.

- On or about December 19, 2013, SCS's work on the design of the 2014 Landfill Gas Collection System Expansion was halted due to filling sequence changes on the landfill. These changes were required in order to provide Severson with an extended period of construction access to the Cell D3 Alternative Final Cover. This situation rendered the initial design topography obsolete. Accordingly, a new landfill gas collection system design will be needed. Reimbursement for SCS's invoices during November and December 2013 has been requested. These invoices total \$7,157. Design work will restart as soon as updated topography becomes available.

**B. Alternative Final Cover – Notice of Contractor Delay:** A copy of the Notice of Contractor Delay sent to Severson on January 2, 2014 was presented to the Board. Work on the Alternative Final Cover (Milestone #1) was not completed within the specified contract time. Severson was notified that the final completion date of December 17, 2013 has lapsed and the Authority will suffer financial damages.

**C. Alternative Final Cover – List Of Damages Due To Delay:** An Estimate of Damages Due to Delay, dated January 23, 2014 was presented to the Board. The list of damages includes fees for: engineering and inspection; additional litter collection; obsolete landfill gas system design; and special handling of waste.

**D. Alternative Final Cover – Severson Response Letter:** A copy of the Severson letter dated January 28, 2014 to the Authority dated January 28, 2014 was presented to the Board. Representatives from Severson were in attendance: Dave Santarosa, Project Manager; Frank Fracassi, General Superintendent; and Matt McCarthy. A discussion about the Severson letter and the Milestone #1 delay ensued. Vince Carosella asked: what caused the delay? Mr. McCarthy of Severson attempted to respond but was unable to communicate a succinct response. Mr. Fracassie provided assurances that this project has the full attention of Severson's senior management, including a commitment to provide adequate labor and equipment. Peter Knipe asked: how is the quality of the work? Mr. Esterly reported that the ARM Group has issued three non-conforming work notices thus far. The most recent notice appears as Agenda Item 6H. The two previous notices have been resolved to the satisfaction of the CQA Consultant, the ARM Group. The quality of the work continues to be monitored in accordance with the approved CQA Plan. Mr. Esterly expressed concern about some of the handling of geosynthetic materials adjacent to the lower anchor trench due to snow, ice and freezing weather. The condition and acceptability of these materials will be considered when the weather improves in the spring. Severson offered assurances that the Alternative Cover System will be completed on or before April 15, 2014. There should be no need to pursue liquidated damages, provided Severson reimburses the Authority's actual damages incurred due to the delay and appropriately completes the work in accordance with the project requirements. Severson is already bonded in accordance with contract requirements.

**E. Area E, Stage 2 & Alternative Final Cover – Contractor’s Staffing Changes:** A copy of the Severson letter dated January 21, 2014 regarding recent staffing changes on the Area E, Stage 2 and Cell D3 Alternative Final Cover contract. Going forward, Severson’s Corporate Headquarters in Niagara Falls, NY will oversee the contract. The new Project Manager is Dave Santarosa. A copy of Mr. Santarosa’s resume was attached to the letter.

**F. Area E, Stage 2 & Alternative Final Cover – Construction Progress Report:** ARM’s Monthly Construction Progress Report dated January 23, 2014 concerning Area E, Stage 2 and the Alternative Cover System was presented to the Board. The work completed by the contractor on for the period was listed in the report. The report included briefings concerning: completion of the Closure Turf™ construction milestone; Area E, Erosion and Sedimentation Control, including the investigation into damage to Temporary Culvert #4; contract budget status; and the December 2013 Partial Payment Application. Photographs of construction progress during the period were attached.

**G. Alternative Final Cover – Substantial Completion Letter:** ARM’s letter to Severson dated December 31, 2013 regarding Substantial Completion was presented to the Board.

**H. Area E, Stage 2 Construction Area – Erosion & Sedimentation Controls:** A copy of Nonconforming Work Notice #3 was presented to the Board. The Notice includes photographs and explanations of currently nonconforming work. Some improvements are in progress, but work still remains.

**I. ARM Group – Monthly Status Report:** Monthly Status Report from the ARM Group dated January 23, 2014 was presented to the Board for review. During this period most of ARM’s efforts were predominantly devoted to the inspection and CQA tasks.

**7. Water Management’s Report. (GAL)**

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

**DECEMBER HIGHLIGHTS:**

- December 2014 landfill leachate 1,100,808 gallons (includes gas condensate)  
Leachate by area breakdown:
  - Area C 207,831 gallons
  - Area B 288,240 gallons
  - Area D 597,957 gallons
- Granger gas condensate 6,780 gallons
- December 2012 landfill leachate 577,816 gallons
- December 2012 Rainfall 3.62”
- December 2013 Rainfall 4.00”

The landfill also received 1.58” of rainfall the last few days of November. This added to the December leachate totals.

**LEACHATE STORAGE UPDATE:** (As of January 15, 2014)

T-101 Leachate Storage Tank	- 405,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 365,000 gallons	capacity – 850,000 gallons
T-100 Equalization Tank	- 110,000 gallons	capacity – 110,000 gallons
<b>Total Leachate Storage</b>	<b>- 880,000 gallons</b>	<b>capacity –1,810,000 gallons</b>

Total percent of storage utilized - 48 %

**LEACHATE HAULING**

Hauling of leachate to Exeter WWTP continued through the month of December 2013. A total of 606,500 gallons were hauled off site for treatment.

**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.

**RECIRCULATION SYSTEM**

- 0 gallons was recirculated into the recirculation blankets during the month of December 2013. No recirculation due to an investigation of a seep. This investigation continues.

**Recirculation to date: 1/15/2014**

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>
A	This trench has reached capacity	
B	This trench has reached capacity	
C	This trench has reached capacity	
D	This trench has reached capacity	
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
<b>Total</b>	<b>14,283,692 (gal)</b>	<b>21,681,836 (gal)</b>

Remaining Trench Capacity – 7,472,834 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	389,440	1,250,000
2	403,332	1,250,000
3	378,599	1,250,000
4	383,734	1,250,000
<b>Total</b>	<b>1,544,600 (gal)</b>	<b>5,000,000 (gal)</b>

### **LEACHATE TREATMENT PLANT (UFRO SYSTEM)**

The UFRO ran 13 days during December. The plant processed 40,600 gallons during November. This was an average of 3,123 gpm.

### **GROUND WATER INFLOW/STORAGE UPDATE: 1/15/2014**

- Ground Water Storage Pond – 695,000 gallons 87 % of capacity.
- The Ground Water Storage Pond Outfall 101 maintained a manageable level during December 2013. 383,827 gallons discharged during December.
- Total Ground Water received for December 2013 – 312,980 gallons.
- Contractors use water from the groundwater storage pond during the month of November for onsite dust control.

### **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 November 2011 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 383,827 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 383,827 gallons was discharged to the Conestoga River (Outfall 001) during December 2013.

**B. Leachate Treatment System Feasibility Study Proposals:** Mr. Carosella moved and Mr. Marroletti seconded to approve EarthRes Group's proposal for a technical feasibility analysis for improvements to the leachate treatment plant in an amount not to exceed the amount of \$7,650.00 proposed by the second lowest proposer, Keystone Engineering Group, and in the event EarthRes Group do not agree to the not to exceed amount, alternatively to approve the Keystone Engineering Group proposal. The motion passed unanimously.

## **8. Compliance Officer's Report. (TAD)**

**A. Monthly Activity Report:** Ms. Devine reported that there were two radiation alarms in the past month. Both were I-131 and were landfilled.

Ms. Devine reported that storm water samples were collected and the DMR's were completed and submitted to DEP on January 13, 2014. She mentioned there are no discharge limits for the ponds they are monitor and report only.

Ms. Devine also reported that the Title V renewal permit application remains under technical review by the PADEP.

Ms. Devine reported that there were two instances in the past month where DEP had called because they received odor complaints. Both instances were checked into and in the first case the odor may have been manure that had been recently spread on fields. There were no odors coming from the landfill during the two days and the weather station information indicated the wind was not blowing in the correct direction for the caller to be noticing odors from the landfill.

Ms. Devine also reported that she completed the quarterly check of the perimeter gas probes and measured depth to water levels in the on-site wells on December 26<sup>th</sup> and 27<sup>th</sup>. Ms. Devine mentioned there were no issues noted during the gas monitoring.

Ms. Devine also mentioned that Sharon Krock, Caernarvon Twp. HMI and John Pollock, DEP inspector were both on site on December 31<sup>st</sup> for an inspection. There were no issues raised by either inspector.

Ms. Devine also reported that she had submitted a minor permit modification application to accept and use wood bottom ash for ADC.

**B. ALSI – Water Monitoring Contract Extension:** Recommendation to extend the ground water monitoring services contract with ALSI for an additional three years at the 2013 unit prices. There was some discussion and a motion was made by Mr. Marroletti and seconded by Mr. Carosella to approve the three year extension of the contract for a total cost of \$233,829.

**9. Recycling Coordinator’s Report (NJF)**

**A. Monthly Activity Report:** The Chairman referred the Board to the written report.

**10. Business Manager’s Report. (MG)**

**A. December 2013 Monthly Tonnage Report:** Mr. Magrann presented the Tonnage Report for December 2013, indicating that the tonnage of 25,110.96 was 1.1% under budget and was higher than December 2012 tonnage received by 8.7%. Mr. Magrann stated that the December 2013 Y-T-D tonnage received was 4.4% lower than the December 2013 Y-T-D budgeted tonnage and 3.0% lower than the December 2012 Y-T-D actual tonnage.

**B. December 2013 Accounts Receivable:** Mr. Magrann stated that receivable days outstanding decreased from 37.24 days in November 2013 to 35.75 days in December 2013.

**C. December 2013 Financial Statement:** Mr. Magrann presented the Financials for December 2013 stating that we had Net Income of \$639,599 for the month which was 73.8% above what was budgeted for the month. Retained Earnings at the end of December 2013 were at \$57,525,757. The funds invested totaled \$42,669,519.37 at month end. The interest earned in December 2013 was at a rate of 0.14% compared to 0.13% in November 2013. Mr. Marroletti made a motion to accept the December 2013 Financials as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

**D. December 2013 Vendor Check Register Report:** The Vendor Check Register for December 2013 was presented to the Board. The checks totaled \$3,157,919.41. Mr. DiLibero made a motion to accept the Check Register Report as presented; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

**E. Large Dollar Check Approvals:** Mr. Magrann presented the January 2014 Large Dollar invoices totaling \$884,559.39 per the attached schedule 10E. 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. Act 101 – 4<sup>th</sup> Quarter 2013:** Mr. Magrann presented the Fourth Quarter 2013 Act 100 Fees of \$753,509.24, along with payments of \$16,800 to Caernarvon Township, a \$7,375 Offset Tipping Fee to Honey Brook Borough, and a \$38,803.88 Act 101 Match Fee to Honey Brook Borough. Mr. Carosella made a motion to accept the Fourth Quarter 2013 Act 101 Statutory Payments, along with the Host Community Payments as presented; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

**G. Collateral Bond Rollover:** Mr. Magrann presented a request to approve a DEP Collateral Bond Replacement in the amount of \$1,944,000. Mr. Carosella made a motion to accept the DEP Collateral Bond Replacement as presented; Mr. Marroletti seconded the motion. The motion was carried by a unanimous vote.

The meeting was adjourned at 7:35.

Prepared by,  
Peggy A. Cunius