

CHESTER COUNTY SOLID WASTE AUTHORITY

Combined Work Session & Regular Meeting — Lanchester

April 17, 2014

- 1. Call to Order:** Bob Schoenberger, Chairman, called the April 17, 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
Peter Knipe
Vince Carosella
Peter Marroletti
E. Joel Martin

Authority Members Absent

Ramsey G. DiLibero

Management and Staff Present

Robert A. Watts
Mike Magrann
Owen Esterly
Gary Laird
Teresa A. Devine
Nancy Fromnick

Solicitor

Vince Pompo, Esquire

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

The Chairman reminded the Board Members that there is only one meeting this month.

- 3. Meeting Minutes:** Mr. Martin moved and Mr. Carosella seconded the approval of the minutes of the *Combined Meeting Session* of March 20, 2014. The vote was unanimous.

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

A. Monthly Activity Report: Mr. Watts said he received a call from Metropolitan Edison over a statement he was quoted in a local newspaper. Mr. Watts said the quote said the Lanchester Landfill was taking ash from them as alternate daily cover. Mr. Watts said what he actually said was that CCSWA was taking ash from a Reading area company as ADC and the reporter assumed it was Met-Ed – he understood and was fine with the explanation. Mr. Watts said we recently completed some routine maintenance on the telescope dome we own. Mr. Watts said he received a copy of a letter from the Chester County Commissioners thanking former Board Member Joe Viscuso for his service. Mr. Watts said he sent out letters as usual to haulers that had overweight trucks in March. Mr. Watts said one hauler called to complain that we are too strict and other landfills do not make trucks wait when they are overweight. Mr. Watts said he and Mr. Schoenberger have met with the developers that are trying to bring a landfill free operation to Chester County twice recently. Mr. Watts said he and the Chairman plan to see a portion of the proposed technology in operation in North Carolina later this month. Mr. Watts said he was invited to attend a meeting with the Pennsylvania Department of Environmental Protection's Secretary and other high level PADEP officials to discuss radiation issues at landfills recently. Mr. Watts said the last day of March we had another meeting of the Citizens Advisory Committee on lessening the visual impact the Lanchester Landfill to local residents. Mr. Watts said the next meeting is scheduled for early July and the Committee will be reviewing a draft plan of a combination of plantings that have been discussed – woody vegetation, crops and natural succession. Mr. Watts said he continues to talk with haulers and brokers on obtaining more alternate daily cover, but nothing confirmed yet. Mr. Watts said they have conducted a number of tours recently ranging from elementary school to college. Mr. Watts said he attended last week's Honey Brook Township Board of Supervisors meeting to give them an update on construction and other activities at Lanchester. Mr. Watts said there is still hope of running water and sewer lines to Lanchester, but we are not in Honey Brook Township's 537 Special Study plans yet. Mr. Watts said a house on Wertztown Road which was covered by the Area D Property Value Guarantee Program recently sold without the participation of the Authority. There has recently been a listing of a house covered by the Area E Property Value Guarantee Program. Mr. Watts said Mr. Magrann will discuss the rental properties in greater detail in his section.

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 Montgomery County Commissioners have decided to dissolve the Waste System Authority of Eastern Montgomery County at the end of the year. This was a result of them completing the 20 year contract with the Plymouth (Montgomery County) based waste to energy facility. The second article was concerning a SC Johnson owned facility in Brazil has achieved Zero Landfill Status. The next article was concerning the US EPA draft rule would allow C&D wood and other items to be recognized as non-waste fuels. The next article was concerning industry leader Waste Management has formed a Biogas to Energy venture with three other companies to build a demonstration facility. The last article in this section was concerning a western Pennsylvania landfill receiving a fine for more than \$1.2 million for operational violations.

D. Correspondence: Mr. Watts said this section contains a copy of the first two pages of a 60 page report prepared for Granger Energy, LLC by SCS Engineers on how they will integrate our blowers into their system to reduce the load on their blowers. Mr. Grant led a group of Granger Energy employees in answering questions. Mr. Watts said he had read the entire report and was satisfied with what is proposed.

E. Wood Recycling Update: Mr. Watts said he wanted to share the details of a deal proposed by Construction Demolition Solutions to reduce our cost of recycling wood. Mr. Watts said there are still some details to be worked out, but we are getting closer on an agreement.

F. Citizens Advisory Committee Update: Mr. Watts said this section contained some of the slides from the presentation to our Advisory Committee by our consultant – Kaufman Engineering

5. Operations/Site Development Report.

A. Monthly Activity Report: Mr. Watts said we recorded 2.53” of rain for the month, but our rain gauge was not accurate due to the high winds. The landfill gas flow has been averaging around 2,800 cfm. We did have some wood processed in March for recycling. The post cards from the leaf compost give away were distributed late, so we are extending the free compost through April. We hauled out about another 70 tons of HDPE plastic cap material for recycling in March. We used 18,800 gallons of water for dust control for the month. Mr. Watts said this month the cost to cover waste was reduced, in part, because we received over 3,000 tons of soil for free from a Chester County construction site in March. Mr. Watts said hours for contract labor were high in March due to the high winds. The gallons of fuel used per ton of waste received was similar to the previous months. Mr. Watts said this section also included the inspection reports from PADEP for March. Mr. Watts said there were no violations or areas of concern in the inspections. Mr. Watts said we will be back to full strength for the first time in months in April when the last of our employees that was on short term disability returns to work. One of our compactors has a rear differential out for repair in April. As budgeted we have installed four new tires on our loader.

6. Facility Engineer's Report. (ORE)

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

- During this period, the Contractor, Severson Environmental Services (SES) resumed work on Milestone #1, the Alternative Final Cover. Placement of the rip-rap within the drainage channels was completed during the period. SES's current target date for completion is April 18, 2014.
- On Monday, March 31, 2014, SES attempted the start-up of the new landfill gas header and collection system modifications. During the start-up, landfill gas flow to the Granger Energy Plant was dropped by nearly 50%. SES initially reported that the new condensate pump had failed. Corrective measures were attempted. Further investigation has revealed an obstruction in the new 12-inch diameter header, including an accumulation of condensate and water within the new pipes. In order to temporarily restore proper gas flow to Granger Energy, connections and operation of the old header system were restored. Proper gas flow was restored on Friday, April 4, 2014. SES has alleged that the failed start-up "appears to be a design issue", but no evidence to support this allegation has been provided. On April 8, 2014 a closed circuit inspection of the new 12-inch header pipe was performed. Rocks, stone, soil, and other debris were found within pipe. The video inspection was terminated when the equipment could no longer proceed due to an accumulation of water and condensate. A non-conforming work notice was issued to SES on April 9, 2014 for: failure to maintain temporary LFG controls; and failure to clean and protect the interior of the new LFG system. ARM has been asked to prepare a detailed report to document the facts and the negative consequences resulting from the failed start-up. The new condensate trap is equipped with a small clean-out that is not adequate for the removal of the obstruction discovered within the 12-inch header. A larger pipe clean-out for the 12-inch header was added this week. Cleaning of the 12-inch header is in progress. Construction work on the MSE wall resumed on or about March 31, 2014.
- During this period, Ludgate Engineering Corporation (LEC) provided planning and conceptual design phase services for the infiltration bed design. LEC also performed an as-built survey of the 2014 Supplemental LFG Header.
- On March 31, 2014, SCS Field Services started work on the 2014 Supplemental Header Addition. Work on the new header and well head connections were completed on April 4, 2014.
- During this period, Sanborn Head and Associates (SHA) began work on the Annual Leachate Recirculation Report for 2013.
- On Tuesday, April 8, 2014 I exchanged emails with Mr. Dan Zimmerman of Granger Energy regarding negative impacts as a result of SES's failed start-up of the new LFG system.
- The remainder of the report was presented for the Board's review at their convenience.

B. Area E, Stage 2 & Alternative Final Cover – Status Report: ARM’s Monthly Construction Progress Report dated April 14, 2014 concerning Area E, Stage 2 and the Alternative Cover System was presented to the Board. The report provides additional details regarding the work tasks performed by SES during that period. Payment Application #9 was submitted during this period in the amount \$775,690 with a balance to finish (including retainage) of \$6,968,840. This application includes stored materials in the amount of \$689,978. Photographs of construction progress during the period were attached. A graph showing the percent of work complete over time was also attached to the report. A copy of the April 15, 2014 letter from SES regarding Non-Conforming Work #5 was also attached to the Report.

C. ARM Group – Monthly Status Report: The Monthly Status Report from the ARM Group dated April 11, 2014 was presented to the Board for review. During this period most of ARM’s efforts were devoted to the inspection and CQA tasks.

D. SCS Engineers – Monthly Status Report: The Monthly Progress Report from SCS Engineers dated April 11, 2014 was presented to the Board for review. Services during this period included assistance with the supplemental header design and the 2014 LFG Collection System Expansion Design.

E. Area E, Stage 2 – Contractor Staffing Change: A copy of the letter dated April 8, 2014 from SES was presented to the Board. This letter identifies Mr. Kim Lickfield as an optional Project Manager. In the event that the current Project Manager becomes unavailable due to his medical condition, Mr. Lickfield will serve as his replacement.

F. Area E, Stage 2 – Contract Time Extension Request: A copy of the contract time extension request from SES dated March 17, 2014 was presented to the Board. Three additional weeks are requested for the completion of Milestone #2 due to abnormally cold weather and above average snowfall amounts. Action on this request was deferred.

7. Water Management’s Report. (GAL)

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

MARCH HIGHLIGHTS:

- March 2014 landfill leachate 1,012,000 gallons (includes gas condensate)

Leachate by area breakdown:

Area C	256,855 gallons
Area B	251,022 gallons
Area D	426,617 gallons
Uncapped municipal site	72,042 gallons (calculated)
Granger gas condensate	5,464 gallons

- March 2013 landfill leachate 447,037 gallons
- March 2013 Rainfall 2.54"
- March 2014 Rainfall 4.09"

LEACHATE STORAGE UPDATE: (As of April 15, 2014)

T-101 Leachate Storage Tank	-232,500 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	-222,500 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	- 565,000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 30 %

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

- 302,000 gallons was recirculated into the recirculation blankets during the month of March 2014.

Recirculation to date: 4/1/2014

<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	126,815	1,250,000
2	134,300	1,250,000
3	136,110	1,250,000
4	139,075	1,250,000
Total	536,300 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

The UFRO ran 23 days during March. The plant processed 54,120 gallons during this month. This was an average of 2,353gpd.

LEACHATE HAULING to off-site POTW

A total of 1,382,000 gallons were hauled off site for disposal during the month of March 2014.

GROUND WATER INFLOW/STORAGE UPDATE: 4/14/2014

- Ground Water Storage Pond – 680,000 gallons 85 % of capacity.
- The Ground Water Storage Pond Outfall 101 maintained a manageable level during March 2014. 733,382 gallons discharged during March. However discharge from the pond began in March.
- Total Ground Water received for March 2013 – 339,766 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 November 2011 has reported full compliance with the 2009 NPDES Permit. All Monitored Parameters were below required discharge limits. 24,018 gallons from the effluent equalization tank (Outfall 100) of treated permeate and 733,382 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 757,400 gallons was discharged to the Conestoga River (Outfall 001) during March 2013.

8. Compliance Officer's Report. (TAD)

A. Monthly Activity Report: Ms. Devine reported that the first quarter ground water monitoring had been completed and the results were currently being reviewed and files prepared for submittal to DEP.

Ms. Devine reported that there was one radiation alarm in the past month. The load originated at the Waste Management Norristown transfer station. The isotope was confirmed as I-131 and the load was landfilled.

Ms. Devine also reported that a draft of the Title V renewal permit was received and reviewed by staff and SCS Engineers. Comments on the draft permit were submitted to DEP. DEP had responded back and the permit should be finalized shortly.

Ms. Devine reported there were no complaints received since the last meeting.

Ms. Devine also reported the flare was operated for 35.5 hours since the last meeting and the utility flare was also operated for 6 hours on March 31st while there was tie in work being done on Area E.

DEP continues to review the information submitted regarding the delisting the IU site leachate.

Ms. Devine also reported that she and Owen took DEP inspector, John Pollock on a site inspection on March 21, 2014. The report was attached in Section 5 of the Board books.

Ms. Devine also mentioned that she conducted quarterly perimeter gas monitoring and the report was attached.

B. PA Safe Drinking Water – Notice of Violation: Ms. Devine reported that we received a Notice of Violation of our Public Water Supply Permit on March 31, 2014 for not collecting distribution samples for asbestos monitoring in the sample period 2011 – 2013. Samples were collected for asbestos at the entry point EP-101 and EP-102; however the distribution samples were missed. Ms. Devine explained that the monitoring schedules the DEP sent out did not list the requirement for distribution samples. She spoke with Rick Chapman, the DEP Sanitarian, and he stated that the Department was blindsided by the requirement which is why it wasn't listed in the monitoring schedule. He stated they in fact had sent out 600 NOV's for that same requirement. He instructed me to submit an application for a waiver of that distribution sampling requirement. The waiver application was submitted on April 7, 2014.

9. Recycling Coordinator's Report (NJF)

A. Monthly Activity Report: A list of meetings and events attended during the past month was provided. Of the items listed Ms. Fromnick commented that 49 students completed the master composting classes, she attended a meeting with County Water Resources Executive Director Jan Bowers and Conservation District Dan Miloser to discuss a reorganization of the County Office Recycling Committee. The CCSWA conducted a shredding event in conjunction with the compost give-away program. Only 23 vehicles participated, a very poor turnout because post cards were 1-2 weeks late. In an effort to find a cost effective destination for e-waste, Ms. Fromnick met with representatives of Ecovanta and Creative Recycling. Ms. Fromnick ran the CAT Pickering HHW/E-waste event. Data will be available next month.

B. Correspondence: In – Ms. Fromnick provided a list of major pieces received. **Out –** A list of major items was provided: Ms. Fromnick submitted the Act 101 Section 903 Recycling Coordinators Grant Application and reminders were sent to the 28 municipalities who had not yet furnished their annual recycling reports due in February. That number is now at 10. Quarterly restaurant reports were sent to municipalities and an Octorara HHW press release entitled "No Wait-No Lines" was distributed.

C. Projects: Ms. Fromnick provided a list of projects.

D. Attachments: Ms. Fromnick provided 6 attachments: a P & M Contract municipal memo, Honey Brook Township recycling ordinance announcement, Cub Scout thank you, West Chester Borough e-waste collection press release, County HHW/E-waste press release, and an EPA report press release indicating light-weighting of recyclables.

10. Business Manager's Report. (JMG)

A. March 2014 Monthly Tonnage Report: Mr. Magrann presented the Tonnage Report for March 2014, indicating that the tonnage of 22,595.27 was 6.2% under budget and was lower than March 2013 tonnage received by 0.8%. Mr. Magrann stated that the March 2014 Y-T-D tonnage received was 4.1% lower than the March 2014 Y-T-D budgeted tonnage and 4.3% lower than the March 2013 Y-T-D actual tonnage.

B. March 2014 Accounts Receivable: Mr. Magrann stated that receivable days outstanding decreased from 41.47 days in February 2014 to 30.85 days in March 2014.

C. March 2014 Financial Statement: Mr. Magrann presented the Financials for March 2014 stating that we had Net Income of \$433,813 for the month which was 5.6% below what was budgeted for the month. Retained Earnings at the end of March 2014 were at \$58,667,460. The funds invested totaled \$42,426,615.50 at month end. The interest earned in March 2014 was at a rate of 0.14% compared to 0.14% in February 2014. Mr. Marroletti made a motion to accept the Financial Statements as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.

D. March 2014 Vendor Check Register Report: The Vendor Check Register for March 2014 was presented to the Board. The checks totaled \$1,310,562.13. 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 April 2014 Large Dollar Invoices (thru April 17, 2014) totaling \$1,384,961.94 per the attached schedule 10E. 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, with the understanding that the Severson check in the amount of \$775,689.84 would not be released until the proper paperwork was presented to and accepted by Own Esterly.

F. Act 101 – 1st Quarter 2014: Mr. Magrann presented a request to approve Mandated and Non-Mandated 1st Quarter Act 101 Fees totaling \$882,154.65. Mr. Marroletti 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.

G. Rental Properties Snapshot: Mr. Magrann presented an informational snapshot review on the current status of the rental properties owned by the Chester County Solid Waste Authority.

Follow-Up Item: Mr. Magrann to obtain a Dun & Bradstreet report on Severson Environmental.

The Board adjourned into Executive Session at 7:58 p.m. to discuss a possible property purchase and returned to Regular Session and there being no further business, the meeting was adjourned for the night at 8:05 p.m.

Prepared by,
Peggy A. Cunius