

CHESTER COUNTY SOLID WASTE AUTHORITY

Combined Work Session & Regular Meeting — Lanchester

January 22, 2015

1. **Call to Order:** Bob Schoenberger, Chairman, called the January 22, 2015 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
E. Joel Martin
Vince Carosella
Kim Venzie

Authority Members Absent

Ramsey G. DiLibero
Peter Marroletti

Management and Staff Present

Robert A. Watts
Gary Laird
Mike Magrann
Owen Esterly
Terry Devine

Solicitor

Vincent M. Pompo, Esquire

2. **Reorganization:** Mr. Pompo was designated as temporary Chairman to accept nominations for Chairman. Mr. Knipe moved and Mr. Martin seconded nominating Mr. Schoenberger as Chairman. The vote was unanimous. Mr. Carosella moved and Mr. Knipe seconded keeping the remaining slate of Officers the same as 2014. The vote was unanimous.

Chairman's Announcements: The Chairman said this would be the only meeting for the month.

3. **Meeting Minutes:** The minutes from the December Combined Session Meeting will be approved next month.

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

A. Monthly Activity Report: Mr. Watts said he was reappointed to the Pennsylvania Department of Environmental Protection's Solid Waste Advisory Board (SWAB) for another two year term. As part of the SWAB annual reorganization Mr. Watts was again elected Vice-Chairman. Mr. Watts said Schuylkill County is looking for disposal capacity and he told their consultant that CCSWA was not interested in responding. Mr. Watts said we received the final approval from PADEP of the modifications to the landfill gas piping from the flare to the Granger Building. These modifications were made at the request of and by Granger Energy. Mr. Watts said he met earlier this month with the developers of a gasification project and he plans to look at new site location later this month that they are considering. Mr. Watts said one of the Caernarvon Township Supervisors was out for a tour last Friday and they had a good meeting. Mr. Watts said 958 Churchtown Road sold recently to a 3rd party at a price slightly under the Fair Market Value as established in accordance with the Property Value Guarantee Agreement. Mr. Watts said a check for the difference plus 7% is included in the large dollar checks tonight.

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 about a local resident that was arrested for stealing mail out of the CCSWA mailbox on a Saturday. Mr. Watts said we have purchased a large lockable mailbox that will be installed soon. There was articles on the State of Maryland's Executive Order on Zero Waste and Continental Tire has achieved Zero Landfill status. New York City has banned expanded polystyrene from use. York County Solid Waste Authority is planning to spend up to \$62 million on improvements starting this spring. Plasco Energy Group that operates a plasma arc plant in Ottawa has missed another deadline, their future is uncertain. There was also an article in this section on 187 towns in Maine that are considering gasification technology to replace the waste to energy plant they are currently using for disposal of their solid waste.

D. Correspondence: Mr. Watts said the only item in this section was an announcement by the Pennsylvania Municipal Authorities Association of their 2015 Board Member Training dates and locations.

E. Groundwater & Stormwater Memo: The first memo in this section was a January 7th memo to Mr. Martin answering his questions on water management and other operational issues at the Lanchester Landfill. The second memo in this section included responses to Mr. Martin's January 8, 2015 memo to Mr. Watts on Suggested Changes in Monthly Reporting Formats. The third memo in this section was a January 19, 2015 memo from Mr. Watts to Mr. Martin. This memo was a response to Mr. Martin's request for more information on daily cover and alternate daily cover use at the Lanchester Landfill.

F. George A. Weaver, Inc. – Property Rental: Mr. Watts said included in this section was a copy of the Sheriff's Return of Service that indicated that Weaver Group Services, LLC was served our complaint on January 5, 2015.

G. ISO-14001 – 2016 Budget: Mr. Watts said this section contained a rough budget for the Board's information. The Board indicated they were not in favor of becoming ISO-14001 certified at this time.

5. Operations/Site Development Report.

A. Monthly Activity Report: Mr. Watts said we recorded 2.08" of rain in December. CDS processed almost 100 tons of wood during this period. We did not use any water for dust control in December and we did not run any of the odor neutralizers. 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 included in this section were graphs of cost of daily cover, diesel fuel use, contracted labor and average overtime hours by month per operation's employee. Mr. Watts said the cost of cover was up this month mostly due to very little alternate daily cover was accepted in December. This month this section included a graph indicating the amount of landfill gas used by Granger Energy for the entire month and if it was used for electrical production or sent down the pipeline.

6. Facility Engineer's Report. (ORE)

A. Monthly Activity Report: The Monthly Engineer's Report for January 2015 was presented to the Board. The following items were discussed.

- Severson's current target date for substantial completion of the Area E, Stage 2 Construction is tomorrow, January 23, 2015. Additional details can be found in ARM's Monthly Construction Progress Report dated January 15, 2015.
- During this period, Granger Energy received a proposal from SCS Field Services (SCS-FS) to replace about 215 linear feet of defective 12-inch landfill gas header that was originally installed by SES. The replacement header will improve the LFG flow rate to the Granger Plant and will serve to correct SES's defective work on the existing header. The defective work constructed by SES is ineligible for payment under the terms of the Agreement with Severson. Further, the Authority is eligible to recover the cost to correct SES's defective work. In addition to the corrective work, condensate drainage improvements will also be performed by Granger and SCS-FS.
- On or about January 8, 2015 the ARM Group submitted a draft of the Construction Certification Report for the Cell D3 Alternative Final Cover Construction. The draft Report has been under review but should be finalized in the next few days.

- During this period, Ludgate Engineering Corporation (LEC) assisted with the following tasks: annual aerial photography; delivery of the annual aerial photograph; topographic survey of the active landfill areas; and preparation of an updated drawing of the groundwater monitoring wells. On or about December 30, 2014, LEC furnished a proposal for the 2015 Surveying Services.
- The remainder of the Report was presented for review at the Board's convenience.

B. Area E, Stage 2 – Monthly Construction Progress Report: ARM's Monthly Construction Progress Report dated January 14, 2015 concerning Area E; Stage 2 was presented to the Board by Mr. Daniel Fellon P.E., of the ARM Group. The report included: a list of the work performed during the period; the monthly budget status; status of the December partial payment application; and construction photographs.

C. ARM Group – Monthly Status Report: ARM's Monthly Status Report dated January 12, 2015 was presented to the Board. The Report listed ARM's invoicing for the period. Engineering fees that are considered recoverable due to contractor delay and non-conforming work are also listed in the Report.

D. SCS Engineers – Monthly Status Report: The Monthly Progress Report from SCS Engineers (SCS) dated January 15, 2015 was presented to the Board. During the period, SCS provided design phase engineering services for the 2015 Landfill Gas Collections System Modifications.

E. Ludgate Engineering Services – Proposal: The proposal from Ludgate Engineering Corp. for 2015 Surveying Services was presented to the Board for review. It was recommended that the Board accept the proposal in the amount of \$24,580. A motion to accept the proposal was made by Mr. Vince Carosella with a second by Mr. Joel Martin. The motion passed.

F. Settlement Accommodation Plan: Mr. Daniel Fellon, P.E. from ARM furnished the Board with a presentation concerning the PADEP's new policy guidelines for Settlement Accommodation Plans. The policy permits filling above the final permit grades and increasing side slopes on a temporary basis to accommodate future waste consolidation and settlement. The potential benefit to the Authority is an estimated two to three years of additional capacity. ARM's proposal to provide permitting phase engineering services in the amount of \$44,915 was presented to the Board. A motion to accept the proposal was made by Mr. Martin with a second by Ms. Venzie. The motion passed.

7. Water Management’s Report. (GAL)

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

DECEMBER HIGHLIGHTS:

- December 2014 landfill leachate 1,002,111 gallons (includes gas condensate) Granger Energy Condensate 7,253 gallons
- December 2013 landfill leachate 1,100,808 gallons
- December 2013 Rainfall 4.00”
- December 2014 Rainfall 2.02” (9 days of measurable rainfall)

LEACHATE STORAGE UPDATE: (As of January 15, 2015)

T-101 Leachate Storage Tank	-315,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	-285,000 gallons	capacity – 850,000 gallons
T-100 Equalization Tank	-110,000 gallons	capacity – 110,000 gallons
Total Leachate Storage	-715,000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 38 %

Storage tank 101 was cleaned 12/2/2014

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.

RECIRCULATION SYSTEM

- 125,400 gallons was recirculated into the recirculation blankets during the month of December 2014.

Recirculation to date: 12/31/2014

<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		

Area C Blankets	Recirculated (gal)	Maximum gallons/year
1	373,697	1,250,000 valve problem
2	517,180	1,250,000
3	507,210	1,250,000
4	470,921	1,250,000
Total	1,588,718(gal)	5,000,000 (gal)

Area D Blankets	Recirculated(gal)	Maximum gallons/year
1	10,200	.. 1,250,000
2	21,000	to be determined
3	0	to be determined
Total	31,200	to be determined

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

The UFRO ran 19 days during December. The plant processed 42,910 gallons during this month. This was an average of 2,258 gpd.

LEACHATE HAULING to off-site POTW

A total of 615,000 gallons were hauled off site for disposal during the month of December 2014.

GROUND WATER INFLOW/STORAGE UPDATE: 12/31/2014

- Ground Water Storage Pond (Holding Pond) – 675,500 gallons 84 % of capacity.
- The Ground Water Storage Pond Outfall 101 maintained a manageable level during December 2014 with a discharge of 160,200 gallons. Water from this Groundwater Holding Pond is available for Contractors as well as CCSWA staff for dust control.
- Total Ground Water received for December 2014 – 97,500 gallons.

NPDES PERMIT COMPLIANCE:

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated December 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for December 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 160,200 gallons of groundwater (Outfall 101) Ground Water Holding Pond, was discharged to (Outfall 001). A total of 160,200 gallons was discharged to the Conestoga River (Outfall 001) during December 2014.

8. Compliance Officer's Report. (TAD)

A. Monthly Activity Report: Ms. Devine reported that she put out a request for proposals for hydrogeological services in early December and that we had received 12 responses. A tabulation and recommendation for award would be later in her report.

Ms. Devine reported that 4th quarter ground water results were received and had been submitted to DEP earlier in the week.

Ms. Devine reported that there was one radiation alarm since the last meeting. It was household waste from Willistown Township and it was landfilled.

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

Ms. Devine also reported the flare was not operated since November 21st when a test was run and it was discovered there was a crack in the flame arrestor. A new flame arrestor was installed on 1/15/2015.

Ms. Devine reported that a meeting was held at Lanchester on December 18th with Chester County Solid Waste Authority staff, DEP and Neil Peters from ARM Group to discuss the sampling plan for the IU site leachate delisting.

Ms. Devine also informed the Board that she accompanied DEP inspector and host municipal inspectors around the site for inspections on December 19th and 22nd respectively.

B. Ground Water Hydrogeological Services-Contract #15-430-HYDRO-Recommendations Of Award: This was a recommendation to award contract # 15-430-HYDRO to ARM Group, Inc. in the amount of \$ 14,600. The motion was made by Mr. Martin and seconded by Mr. Carosella. The motion carried.

C. 4th Quarter Perimeter Gas Monitoring Report: The report for the 4th quarter perimeter gas monitoring. There were no problem areas to report.

D. Mercury Detections In Monitoring Wells: This section was on information regarding mercury detected at low levels in two off-site neighbors wells. There was a summary table of results of some on-site wells and some off-site wells that were tested for mercury. There were also some trend plots for some of the on-site wells. A discussion ensued. It was reported that the wells will be re-checked in the near future.

9. Recycling Coordinator's Report (NJF)

A. Monthly Activity Report: Mr. Watts said Ms. Fromnick was on vacation and he would answer any questions on her report.

- 10. A. December 2014 Financial Statement:** Mr. Magrann presented the Financials for December 2014 stating that Net Income was \$522,123 for the month, which was 12.4% above the budgeted amount for the month. Retained Earnings at the end of December 2014 were at \$63,621,139. The funds invested totaled \$40,593,645 at month end. Mr. Knipe made a motion to accept the Financial Statements as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote. One additional noted item was that the presented Balance Sheet will be subject to a series of final year-end adjustments, thus this is not the Final Balance Sheet.
- B. December 2014 Accounts Receivable:** Mr. Magrann stated that receivable days outstanding decreased from 45.76 days in November 2014 to 36.16 days in December 2014. In addition, Rental Property Collections was higher than Expected Net Rentals Due by \$3,420 in December 2014.
- C. December 2014 Tonnage/Customer Information:** Mr. Magrann presented the Tonnage Report for December 2014 of 27,223 tons which was 9.80% above budget for the month and was 8.41% higher than the December 2013 tonnage received. The December 2014 Y-T-D tonnage received was 0.83% higher than the December 2014 Y-T-D budgeted tonnage and 1.77% higher than the December 2013 Y-T-D actual tonnage.
- D. December 2014 Check Register Report:** The Vendor Check Register for December 2014 was presented to the Board by Mr. Magrann. The checks totaled \$1,005,711.05. Mr. Knipe 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 (Until 1/22/2015):** Mr. Magrann presented the Large Dollar Invoices (from December 19, 2014 to January 22, 2015) totaling \$671,029.28. Mr. Knipe made a motion to accept the Large Dollar Invoices as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.
- F. 2014 Auditor Engagement Approval:** Mr. Magrann presented the 2014 Audit Engagement Letter from the current auditors BDO. The proposed fee for the audit was \$46,000, which is the same as the prior year. Mr. Knipe made a motion to retain the Auditors for 2014 as presented; Mr. Carosella seconded the motion. The motion was carried with a unanimous vote.
- G. PADEP Quarterly Payment Summary:** Mr. Magrann presented a request to approve Mandated and Non-Mandated 4th Quarter Act 101 Fees totaling \$1,055,708.71. Mr. Knipe 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.

H. Severson Payment Issue 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.

The meeting was adjourned at 7:40.

Prepared by,
Peggy A. Cunius