

CHESTER COUNTY SOLID WASTE AUTHORITY

Combined Work Session & Regular Meeting — Lanchester

December 19, 2013

1. **Call to Order:** Bob Schoenberger, Chairman, called the December 19, 2013 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

Authority Members Absent

Vince Carosella
Peter Knipe
Joe Viscuso

Management and Staff Present

Robert A. Watts
Jim Gorney
Owen Esterly
Gary Laird
Nancy Fromnick
Teresa A. Devine

Solicitor

James McErlane, Esquire

2. **Chairman's Announcements/Public Comments:** The Chairman said the 2013 year end celebration would be January 7th.
3. **Meeting Minutes:** Mr. DiLibero moved and Mr. Martin seconded that minutes of the November 21, 2013 *Combined Session Meeting* be approved. The vote was unanimous.
4. **Executive Director's Report.** (RAW)

A. Monthly Activity Report: Mr. Watts said he had a few things he wanted to discuss with the Board before he started his monthly report. Mr. Watts said he wanted to give the Board the latest update on the fire that occurred in the engine room of Granger Energy's building. He said the fire occurred at approximately 6pm on December 7th. The building did not have employees working in the building at that time. The automatic systems appear to have functioned as designed by shutting down the plant. The Honey Brook Fire Company arrived with a foam truck and quickly put the fire out. The damage appears to be limited to the one engine and possibly the structural steel and insulation in the ceiling. They were able to start sending landfill gas to their customers by the afternoon of the 10th by the pipeline. Granger's insurance company has sent out two teams of investigators and Granger is expecting the manufacturer of the engine (Caterpillar) to conduct their own investigation. The Board asked Mr. Watts to obtain copies of the investigations.

Mr. Watts said the Chester County Implementation Committee met on December 17th for the first time since September 2011. The reason for the meeting was that in May 2014 it will have been seven years since Chester County's Municipal Waste Plan had a major update. By year seven Act 101 requires a County to start planning for the next ten year update. Mr. Watts said besides himself, Ms. Fromnick, Mr. Schoenberger and Mr. Pompo were in attendance for CCSWA. There were two representatives from the Chester County Health Department, two from Southeastern Chester County Refuse Authority and one from Chester County Department of Emergency Services. It was agreed that the team would work together to write the Plan Update and prepare a RFP for services they were not expert in or did not have the time to complete with their current workload. The consultant will help with determining if the county should flow control construction and demolition waste and/or require C&D recycling; siting a Household Hazardous Waste & Electronic Waste Permanent Collection Facility; a waste characterization study; Debris Management Plan; Flow Control of Recyclables – Material Recovery Facility and advertising for backup disposal facilities.

Mr. Watts said we did receive two complaints in mid-November concerning dump trucks that were hauling in structural fill for the MSE berm were speeding as they were heading west on RT 322. Mr. Watts said we had our contractor address this issue with his subcontractor and drivers. Mr. Watts said the job is now shut down for the winter - just a few days after receiving these complaints. Mr. Watts said we signed a new three year agreement with the Downingtown waste water treatment plant for the disposal of their sludge. They mostly land apply the sludge, but we are a backup. We hope to have an update next month on the Northeaster Chester County Municipal Authority and their ability to dispose of our leachate. Mr. Watts said the Chairman has been reappointed to the CCSWA Board for another five years. Mr. Watts said he and the Chairman had met with representatives of Harteland Resources, LLC – a Chester County based developer of alternate waste disposal systems. The Authority plans to sign a non-binding letter of intent to consider their systems at Lanchester. Mr. Watts said one of our Consultants arranged a tour of our construction projects by the Executive Director of the Lancaster County Authority and the new Secretary of the Pennsylvania Department of Environmental Protection. The Secretary said the tour was very informative and was impressed with our facility. Mr. Watts said he had been working with our Solicitor to prepare information for Professional Recyclers of Pennsylvania in their response to a Commonwealth Court case with the City of Reading and Recycling Fees. This case will now be appealed to the State Supreme Court. This case could stop many municipalities from collecting fees for collecting recyclables. Mr. Watts said he met with representatives of Infinitus Energy out of Florida. They are another company that would like to locate their conversion processing system at Lanchester. They claim they can recycle 85% of the waste stream. Mr. Watts said all the properties are rented and we will be purchasing later this month a property on Reservoir Road, Honey Brook under the terms of the Area D Property Value Protection Plan.

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 also the first article on Google's list of landfill related articles for December 16. This story was published in the *Lancaster New Era*". The article was concerning the disabled veteran hunt hosted at Lanchester this year. All the veterans were successful in bagging a doe inside the fence at Lanchester. We plan to expand this program next year because we have too many deer and the veterans had a great time – some getting their first deer. There were two articles in this section concerning Dart Container and their battles with New York City in trying to prevent their products from being banned there. Also in this section was another article by the Lancaster based newspaper, but this one was on the Lancaster Solid Waste Authority plans to buy the Harrisburg Incinerator on December 23rd. The Lancaster Authority was in another article in this section because they are expanding the electronic waste they accept at their facility on Harrisburg Pike.

D. Horry County Flow Control Ruling: There was a copy in this section of an evaluation by SWANA's Attorney of this South Carolina ruling that upheld flow control.

F. CCSWA Charter Amendment: Mr. Watts said this Section contains a copy of a letter from our Solicitor to the Chief Operating Officer of Chester County that the CCSWA Board has requested Charter Changes to be acted on as quickly as possible by the Chester County Commissioners to allow for donations to local non-profits beyond what is currently allowed by Act 73.

G. Donation Recommendations: Mr. Marroletti moved and Mr. DiLibero seconded approving donations as presented in this Section. The vote was unanimous.

5. Operations/Site Development Report.

A. Monthly Activity Report: Mr. Watts said most items in this section this month were routine, we recorded 2.50 inches of rain for November. The landfill gas flow was in the 2,900 cfm range. We used 184,500 gallons of water for dust control for the month. We used 275 gallons of odor neutralizer for the month. The cost to cover waste was reduced again this month due to the Harrisburg ash, but this is likely the last month we will receive the ash due to the purchase by the Lancaster County Authority. The Caernarvon Host Municipal inspection for October 29th is included in this section. Mr. Watts said the PADEP inspection report from November 15th was included in this section and did not note any concerns.

6. Facility Engineer's Report. (ORE)

A. Monthly Activity Report: The Monthly Engineer's Report for December 2013 was presented to the Board. The following items were discussed.

- On December 11, 2013 Construction Certification Report for the Area E, Stage 1B project was finalized and submitted to PADEP. The Report remains under PADEP's review.
- Construction work on Area E, Stage 2 and Cell D3 Alternative Cover remained in progress during this period. As of Monday, December 2, 2013, work was halted on the MSE wall due to winter weather and frozen soil. Work is scheduled to restart in March 2014. Complaints about the trucks hauling stone from Silver Hill Quarry on Saturday, November 23, 2013 were received. The complaints were about speeding and other potential traffic violations. I notified Severson about the complaints and requested their cooperation. I also asked Severson to notify the quarry and to warn all truck drivers that speeding and other traffic violations will not be tolerated on this project. Severson confirmed that the appropriate warnings were issued.
- During this period, Ludgate staked the locations for new "edge of liner" signs along portions of the landfill perimeter. Ludgate is waiting for a return phone call from Ed Spayed concerning the anticipated schedule for NCCMA's NPDES renewal and the Authority's sewer plan approval.
- On Monday, November 18, 2013 I met with Thomas Ludgate and Ed Nordall of Ludgate Engineering to observe the channelized flow conditions downstream of Ponds 10 and 11 and adjacent to Bill Shirk's home. Based on these observations, the construction of a storm water infiltration bed was suggested. A small clearing located on the Authority's property near toe of the wooded slope is available. Further site investigation work is necessary to determine the suitability of the soils. Test pit excavations and perk testing will be scheduled in the near future. The permitting and design tasks will follow the soils investigation.
- During this period, ARM's monthly fee for Construction Phase Engineering Services was \$5,149. The cumulative total for this task is now \$66,529. This task is being paid on the basis of time expenses.
- On November 26, 2013 I told SCS that we would like to include several new leachate recirculation beds into the design, bidding and construction of the next landfill gas system expansion. SCS will first determine the number of beds that can be included.

B. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated December 11, 2013 was presented to the Board for review. During this period most of ARM's efforts were predominantly devoted to the inspection and CQA tasks.

C. Area E, Stage 2 & Alternative Cover – Construction Status: The Monthly Construction Progress Report dated December 12, 2013 concerning Area E, Stage 2 and the Alternative Cover System was presented to the Board. The work completed by the contractor for the period was listed in the report. On December 9, 2013, Severson submitted a request to ARM for issuance of a Substantial Completion Certificate for Milestone #1 of the Contract (Closure Turf™ construction), effective November 27, 2013. However, work is still ongoing. Severson is hopeful that final completion is achieved by December 19, 2013. The Contract includes language for the Authority to recover damages due to the Contractor's delay. Several photographs showing construction progress were attached to the report.

D. SCS Engineers – Monthly Status Report: The Progress Report from SCS Engineers dated December 9, 2013 was presented to the Board. The design of the next Landfill Gas Collection System Expansion remains in progress. Four leachate recirculation blankets have been added to SCS's scope of services. An updated bidding schedule was included in the Report. The services remain within budget.

E. 2014 Surveying Service – Proposal: The proposal from Ludgate Engineering Corporation dated December 9, 2013 for 2014 Surveying Services was presented to the Board. Three quotes for the required aerial photography task were obtained. It was recommended that the Authority accept the proposal in the amount of \$23,345. A motion to accept the proposal was made by Ramsey DiLibero with a second by Joel Martin. The motion passed.

7. Water Management's Report. (GAL)

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

NOVEMBER HIGHLIGHTS:

- November 2013 landfill leachate 444,062 gallons (includes gas condensate)
Leachate by area breakdown:
 - Area C 121,776 gallons
 - Area B 163,691 gallons
 - Area D 151,925 gallons
 - Granger gas condensate 6,670 gallons
- November 2012 landfill leachate 499,524 gallons
- November 2012 Rainfall 1.06"
- November 2013 Rainfall 2.48"

LEACHATE STORAGE UPDATE: (As of December 12, 2013)

T-101 Leachate Storage Tank - 227,500 gallons capacity – 850,000 gallons

T-115 Leachate Storage Tank - 202,500 gallons capacity – 850,000 gallons

T-100 Equalization Tank - 110,000 gallons capacity – 110,000 gallons

Total Leachate STORAGE - 540,000 gallons capacity – 1,810,000 gallons

Total percent of storage utilized - 29 %

LEACHATE STORAGE BALANCE

November 1st 2013 leachate in storage 445,000

November 2013 landfill leachate +444,062

Total 889,062

November 2013 leachate hauled - 437,000

Total 452,062

November 2013 treated leachate - 42,140

Total 409,922

November 2013 ending leachate storage 445,000

Difference 35,078

LEACHATE HAULING

Hauling of leachate to Exeter WWTP continued through the month of November 2013. A total of 437,000 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 November 2013. No recirculation due to an investigation of a seep. This investigation continues.

Recirculation to date: 12/12/2013

Trench # Recirculated (gal) Maximum (gal)

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
Total	14,283,692 (gal)	21,681,836 (gal)
Remaining Trench Capacity – 7,472,834 gallons		

Blanket # Recirculated (gal) Maximum gallons/year

1	389,440	1,250,000
2	403,332	1,250,000
3	378,599	1,250,000
4	383,734	1,250,000
Total	1,544,600 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

The UFRO ran 13 days during November. The beginning of the month was spent troubleshooting PLC malfunctions and replacing a pump seal. The plant processed 42,140 gallons during November. This was an average of 3,241 gpm.

GROUND WATER INFLOW/STORAGE UPDATE: 11/15/2013

- Ground Water Storage Pond – 660,000 gallons 82 % of capacity
- The Ground Water Storage Pond Outfall 101 maintained a manageable level during November 2013 no discharge to Outfall 001.
- Total Ground Water received for November 2013 – 49,591 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 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 November 2013.

Corrected from October Report

LEACHATE STORAGE BALANCE

October 1 st 2013 leachate in storage	540,000
October 2013 landfill leachate	<u>+627,342</u>
Total	1,167,342
October 2013 leachate hauled	<u>- 690,000</u>
Total	477,342
October 2013 treated leachate	<u>- 21,640</u>
Total	455,702
Recirculated leachate	<u>-56,000</u>
Total	399,702
October 2013 ending leachate storage	<u>445,000</u>
Difference	45,298

8. Compliance Officer’s Report. (TAD)

A. Monthly Activity Report: Ms. Devine mentioned that there was one radiation alarm in the past month. The isotope was I-131 and the load was landfilled.

Ms. Devine reported that storm water samples were collected and that results had just been received. DMR’s will be submitted soon.

Ms. Devine also reported that the Title V renewal permit application remains under technical review by the PADEP. She also reported that the application to extend the Air Plan Approval for the Area E landfill was approved and now expires June 30, 2015. The Area E landfill should be constructed and operational by that time.

Ms. Devine reported that there were no odor complaints received in the past month.

Ms. Devine reported that she applied for a safety grant through DVWCT. She had just received an email earlier in the day that it had been approved and that the Chester County Solid Waste Authority should receive a \$3,000 check in mid-January. The safety items that were eligible for the grant were portable speed humps purchased for the small load facility area and some hi visibility Gore-Tex rain gear for some workers.

Ms. Devine also told the Board that Neil Peters from ARM was running the DRAS model for looking into delisting the IU site leachate. Discussions had taken place regarding the initial findings. She stated she hoped to have additional information next month.

9. Recycling Coordinator's Report (NJF)

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. Ms. Fromnick attended the Regional HHW Meeting also attended by Clean Harbors. During the meeting controversial issues were addressed and Ms. Fromnick is confident that the 2014 program will run more smoothly. Ms. Fromnick also participated in a surveillance of Coastal Hauling in southwestern Chester County. Coastal Hauling has been observed mixing trash with recyclables. Trash destinations in Chester County are not consistent and the destination of recyclables is unknown. Ms. Fromnick, interviewed by the Chester County Press, shared the article exposing Coastal Hauling.

B. Correspondence: In – From the list provided it was noted that the 2012 Recycling Coordinators reimbursement check was received.

Out – A list of items was provided: Ms. Fromnick submitted the Act 190 HHW Reimbursement Grant Application for the last 2 HHW events and the Act 190 HHW 2014 Application for Registration. Approval was received today and copies of the 2014 schedule were distributed to board members. Memos were sent to all East Marlborough supervisors indicating that the township has been out of compliance for almost 13 years and the DEP is holding back funds. DEP will release the funds as soon as compliance is achieved. The memo has resulted in a scheduled January meeting with the township to resolve this issue. Customized Act 101 Annual Reporting packets are being mailed for 2013 reporting.

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

D. Attachments: A copy of the HHW municipal totals and survey results were provided as well as collection costs and amount of materials collected in each category. It was noted that results showed costs of \$21.77 per vehicle or \$.24 per pound, 64% of the material collected was e-waste collected at no cost, 4.5 Tons of lead-acid batteries collected at no cost and 30% of the HHW collected (excluding e-waste) was oil based paint. The 2014 master composting schedule was also provided.

Ms. Fromnick asked the Board to consider reimbursing Lanchester municipalities for 25% of their 2011 HHW bill at a cost of \$28,587.07 in January. The motion was made by Peter Marroletti, seconded by Joel Martin and approved by all.

10. Business Manager's Report. (JMG)

A. November 2013 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for November 2013, indicating that the tonnage of 23,990.82 was 15.7% under budget and was lower than November 2012 by 13.8%.

B. November 2013 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding decreased from 34.14 days in October 2013 to 37.24 days in November 2013. Mr. Gorney stated that the increase was due to slower payments from several accounts.

C. November 2013 Financial Statement: Mr. Gorney presented the Financials for November 2013 stating that we had a gain of \$483,325 for the month. Retained Earnings are at \$56,886,158. The funds invested totaled \$44,707,984.43 at month end. The interest earned in November 2013 was at a rate of 0.13% equal to 0.13% in October 2013. Mr. Marroletti made a motion to accept the November 2013 Financials as presented; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

D. November 2013 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for November 2013 totaled \$1,798,970.50. Mr. Martin made a motion to accept the Check Register Report as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

E. Large Dollar Check Approvals: Mr. Gorney presented the December 2013 Large Dollar invoices totaling \$3,030,713.25, consisting of the attached schedule 10E. Mr. Marroletti made a motion to accept the Large Dollar Invoices as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

F. Defined Contribution Plan: Mr. Gorney presented the historical payouts to the plan. Mr. Marroletti made a motion to continue the 12.0% for the second half of 2013; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

G. Insurance Policy Renewals for 2014: Mr. Gorney presented Schedule 10G showing the insurance quote for 2014 in the amount of \$116,863. The rates are increasing by 14.8% from 2012 levels primarily due to the Commercial Inland Marine policy caused by an increase in the value of covered equipment and a rate classification change. In addition, Limits were raised on the Commercial Crime Policy and the Public Officials Liability & Employment Practices Liability Policy. Mr. Marroletti made a motion to adopt the insurance as presented; Mr. Martin seconded the motion. The motion was carried by a unanimous vote.

H. Resolution To Transfer From Area E Construction Fund To Revenue: The resolution for the funds transfer to cover the construction expenditures of phase 2 Area E in the amount of \$3,513,828 to the Revenue Fund was presented to the Board. Mr. DiLibero made a motion to approve the Resolution as presented; Mr. Martin seconded the resolution. The motion was carried by a unanimous vote.

I. Board Resolutions – Bank: Mr. Gorney presented the amendment to the commercial signature card for the Wells Fargo accounts. Mr. Marroletti made a motion to approve the Resolution to be effective January 1, 2014 as presented; Mr. DiLibero seconded the resolution. The motion was carried by a unanimous vote. Mr. Gorney presented the amendment to the US Bank Resolution. Mr. DiLibero made a motion to approve the US Bank Resolution to be effective January 1, 2014 as presented; Mr. Martin seconded the resolution. The motion was carried by a unanimous vote.

The meeting was adjourned at 7:53.

Prepared by,
Peggy A. Cunius