

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

March 22, 2012

1. **Call to Order:** Bob Schoenberger, Chairman, called the March 22, 2012 *Work Session Meeting* of the Chester County Solid Waste Authority to order at 5:35 p.m.

Authority Members Present

Bob Schoenberger
William H. Shirk
Peter Knipe
Peter Marroletti
Carmen Battavio

Authority Members Absent

Ramsey G. DiLibero
Vince Carosella

Management and Staff Present

Robert A. Watts
James M. Gorney
Gary A. Laird
Owen R. Esterly
Teresa A. Devine
Nancy Fromnick

Solicitor

James McErlane, Esquire

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

The Chairman said we will start the meeting with comments from anyone of the ten members of the public that wanted to speak. The first member of the public complained that they knew nothing of the Area E Landfill Expansion until they recently received a certified letter from the Authority. The Chairman apologized for the neighbor not being informed, but said the Authority has made every effort to keep local residents informed as to expansion plans. Another neighbor asked why the Assessment Fee was half the percentage of the Area D Assessment Fee. The Chairman said the Lancaster County assessment has increased by about 30% since the Area D Assessment Fee. The Chairman said the change in percentage was to keep the amount of money paid out to be similar to what was paid out in the Area D Assessment Fees. Another member of the public said his only issue was he would like the Authority Board to consider changing the implementation date of the Property Value Guarantee Agreement. He said since construction has started he thought the Property Value Guarantee Program should also start. The Chairman said they would consider his request. Another neighbor asked if it was fair that some people in their neighborhood received Assessment Fee and others did not. Mr. Watts said the problem is if we extended to house outside of the half mile radius other neighborhoods would want the same treatment.

3. **Meeting Minutes.** Mr. Schoenberger said that the minutes of the February 16, 2012 *Work Session Meeting* and the February 23, 2012 *Regular Session Meeting* will be considered next week.

4. **Executive Director's Report.**

A. Monthly Activity Report: Mr. Watts said that on February 16th letter from the Harrisburg Authority asking us to bid on their landfill's Interim Grading Project. Mr. Watts said the Harrisburg Authority has given the contractors that have the current disposal contract notice that the contract is ending. We have been taking their ash for alternate daily cover on and off for the last two years. The ash will stop in about two weeks unless one of the three bidders we have given prices to are successful in obtaining a contract for this new work. Mr. Watts said he met with a consultant and members of the City of Coatesville government again to discuss property they own that they would like the Authority to site a Processing Facility on. Mr. Watts said he would discuss this in greater detail later in his report. Mr. Watts said we recently hired a contractor to truck about 14,000 cubic yards of topsoil that was given to us by Church Farm School. The topsoil was in the way of their solar project. In this same area, Chester County Parks are developing a trail head and will also have heavy truck traffic over the same West Whiteland Township Road. Mr. Watts said the trucks created some potholes in the Township Road and he meet with representative of the school, township, county parks and contractor to discuss. Mr. Watts said we will be paying to fix the potholes in the township road. Mr. Watts said he recently gave our financial auditors a tour of the facility. Mr. Watts said he had a second meeting today with some local businessmen who are asking us to consider leasing them land to site a fuel processing operation and possibly a pyrolysis to energy facility. Mr. Watts said he would have more on their proposal later in his report. Mr. Watts said he had met with the solar developers selected by the Board last month and expected a draft agreement this week.

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: The first article in this section was concerning West Whiteland Township increasing the cost of disposal of a bag of waste from \$2 to \$3. The second article was a SWANA email and Fact Sheet on the federal Responsible Electronics Recycling Act. Mr. Watts said the next article was concerning the possible construction of a waste to energy facility at the former Fresh Kills Landfill in Staten

Island. A *New Era* article was concerning the possible construction of a \$59 million dollar facility in Conoy Township Lancaster County on 57 acres next to Lancaster County's waste to energy facility. This would be a Perdue AgriBusiness food processing plant that one of the byproducts could make biofuel. Caln Township is considering buying more trash toters and charging residents \$50 per year for each extra toter. There were two articles in this section about local residents concerns with the Area E Landfill Expansion at the last Caernarvon Township Supervisor's Meeting. Local waste hauler Ernie Barkman died recently and an article concerning his passing is also in this section. News from Allentown indicates that the City Council reversed its self and awarded a 35 year contract with Delta Thermo Energy to build a \$35 million dollar waste to energy facility. There were two articles in this section about the ongoing troubles at the Harrisburg waste to energy plant. There was an email from SWANA concerning that in the EPA Draft 2012 Greenhouse Gas inventory landfills accounted for 1.6% and waste to energy facilities 0.2% of the gases reported.

D. Thank You Letters: This section contained thank you letters from the Garden Spot Spartan Lacrosse Club and the Honey Brook Community Library.

E. Area E Permitting Closeout With Geosyntec: This section contained a copy of the letter they sent advising they are accepting the write-off of their last \$40,000 invoiced based on Mr. Watts' letter last month.

F. Unsolicited Waste Processing Proposal: This section contains a copy of a six page unsolicited proposal. They would like to utilize our scale and billing system to accept waste 350 tons of waste a day to process. We would need to supply land for their 30,000 foot square building and related equipment. They are also interested in purchasing landfill gas and electricity from Granger Energy. They also would produce leachate that would need treatment. They would also like us to consider co-locating a pyrolysis plant that would generate electricity.

G. Chester County Waste Destinations 4th Quarter 2011: This section contains a graph of the total quantity of waste generated by Chester County in the fourth quarter of 2011 and compared it 2010.

H. Coatesville Processing Center (Executive Session): This section contains a copy of an outline for a Phase I investigation. The Board advised Mr. Watts to collect as much background information as he could on his own before proceeding further. Mr. Watts said he had already eliminated one of the properties based on his review of the wetland, flood plain maps and his visit to the site.

5. Operations/Site Development Report:

A. Monthly Activity Report: The quantity of landfill gas produced has remained constant at about 3,200cfm. The precipitation recorded in February amounted to 2.26 inches and was a warm and dry month. Most items were routine for the month. We have been processing leaf compost to get ready for the giveaway day on Saturday and

contractors have been placing large orders getting ready for spring. Mr. Watts said the cost to cover waste was down this month due to increased receipt of Harrisburg ash. There were no inspection reports available.

B. 2012 Lawn Care: Mr. Watts said we received bids from eight vendors. Mr. Marroletti moved and Mr. Battavio seconded accepting the low bid of Your Estate Services, Inc. to complete this work for 2012 at an estimated price of \$9,286.00. The vote was unanimous.

6. Facility Engineer's Report:

A. Monthly Activity Report: The Monthly Engineer's Report for March 2012 was presented to the Board. The following items were discussed.

- Granger Energy has advised us that all three of the 75 HP variable speed drives (VFD) at the enclosed flare are in need replacement soon. Three quotations for the equipment and start-up have been obtained. The quotations range in cost from \$41,775 to \$47,028. This work is considered integral to the intent of the Flare Station Relocation project. Adding this work to the current contract will provide the Authority with the most expeditious delivery system available. Pursuing this work as an entirely new and separate project will result in added engineering and administrative time and cost. The general contractor, Harnden Group has agreed to subcontract this additional work to the Authority's selected sub-contractor as a contract change order. Under the terms of the contract, Handen Group's fee is limited to 5% of the cost of subcontracted work. Maintenance of existing VFDs was discussed. Going forward the Board requested Granger Energy follow a more rigorous maintenance schedule and program.
- Progress continued on the Area E, Stage 1A project. Work included: excavation of Sedimentation Pond No. 1; storm water culverts and structures; excavation and grading of Sedimentation Pond No. 3; on-site and off-site disposal stockpiling tasks. The total contract price for this project is \$3,986,861. A monthly progress payment application in the amount of \$759,373 has been submitted and remains under review. The substantial completion date for the work is April 27, 2012. As of February 29, 2012. Based on current survey data and volume estimates a favorable excavation quantity adjustment is anticipated. The final value of this adjustment remains subject the final survey but may be in the \$300,000 range. If realized the adjustment will result in a 7.5% decrease in the total contract price.
- There was no progress to report concerning the Area D, Cell 2 LFG Collection System Expansion. I am still awaiting the record drawings needed for the PADEP Certification Report. I have requested a status update from Drillmore Construction, but have not yet received a response.
- In order to improve vacuum in Areas D and B, a new 12" diameter header extension was constructed during this period. Three quotations were obtained on the basis of a conceptual design drawing. Quotations were obtained from SCS Field Services, Harnden Group and Chesapeake Containment. The lowest price was offered by Chesapeake Containment in the amount of \$13,343. The Harnden Group quote was in the amount of \$14,705. The SCS Field Services quote was in the amount of \$17,600. The new header addition will allow gas flow to by-pass a limiting section of existing

8" header.

- Ludgate Engineering reported progress on the following activities: construction phase surveying for the Area D LFG header addition; field location of the southern Area D anchor trench; field survey of the Area C and Area D settlement pins; and preparation of the IU Landfill Site map in response to EPA's request. On March 14, 2012 we met with Thom Ludgate regarding the requisite planning approvals needed for the public sewer and water extensions.
- During this period we received a DRAFT letter prepared by HRG, the engineer for the Northwestern Chester County Municipal Authority (NCCMA). The DRAFT was received in response to the submittal of the Authority's Preliminary Design Report for the proposed public sewer extension. Copies of NCCMA's standard requirements for sewer extensions were attached to the HRG letter. On March 14, 2012 I forwarded a copy of the NCCMA letter to Attorney Pompo concerning an appropriate strategy for pursuing the planning approval of the project. An initial meeting with Solid Waste and Water Quality Regulators at PADEP's South-central Regional Office is under consideration.
- During this period, I compiled four quotations for the material and equipment needed to complete the primary power service line to the new enclosed flare location. A comparison table of the quotes was attached. On the basis of the four quotations, Colonial Electric was selected to furnish Manual Transfer Switch. United Electric was selected to furnish the Conduit & Conductor Materials and the Miscellaneous Materials. Installation of the MTS and the extension of the conduits and conductors will be performed by Lenni Electric who previously performed all electrical work at the new flare location as a subcontractor to the Harnden Group. This task was excluded from the original flare contract because the relocated power supply lines were not in place at that time. Power to the new flare location is currently supplied via the secondary power supply from the Granger building.

B. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated March 19, 2012 was presented to the Board for review.

C. SCS Engineers – Monthly Status Report: A copy of Monthly Progress Report No. 21 from SCS dated March 20, 2012 was presented to the Board for review.

D. Barton & Loguidice – Monthly Status Report: A copy of the Monthly Status Report from Barton & Loguidice dated March 19, 2012 was presented to the Board for review.

E. Flare Station – Variable Frequency Drives: A copy of the quotation from Schneider Electric dated March 13, 2012 to replace the existing 75 HP VFDs was presented to the Board.

F. Public Sewer & Water Extensions – Planning Approval: A copy of the DRAFT letter dated March 7, 2012 from HRG on behalf of the NCCMA was presented to the Board.

7. Water Management's Report:

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

FEBRUARY HIGHLIGHTS:

- February 2011 landfill leachate 307,921 gallons (includes gas condensate)
 Leachate by area breakdown:
 - Area C 41,557 gallons
 - Area B 55,389 gallons
 - Area D 203,202 gallons
- Granger gas condensate 7,776 gallons
- February 2011 landfill leachate 661,927 gallons
- February 2012 Rainfall 2.29"

LEACHATE INVENTORY UPDATE: (As of March 22, 2012)

T-101 Leachate Storage Tank	- 245,000 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 Inventory	- 577,500 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 31 %

LEACHATE COLLECTION SYSTEM:

Currently the Leachate collection system is 100% operational.

RECIRCULATION SYSTEM

- 234,000 gallons was recirculated during the month of February 2012.
 Recirculation for the month was into the Trenches and the leachate blankets.

Recirculation to date: 3/01/2012

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	-----	-----	This Trench is closed
D	-----	-----	This Trench is closed
E	1,793,912	2,631,930	
F	3,068,060	3,682,875	
G	3,207,803	5,066,750	
H	1,304,353	5,687,500	
Total	14,103,079 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 8,088,546 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
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1	69,082	1,250,000
2	63,206	1,250,000
3	61,691	1,250,000
4	50,657	1,250,000
Total	244,636 (gal)	5,000,000 (gal)

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

- The UFRO Treatment System is currently operational. The UF system is operating at an average of 7.7 gpm and the RO system is operating at an average flow rate of 9.4 gpm during the month of February. The plants 10 day average is approximately **3,302 gpd**.

The RO unit produced – 33,020 gallons of permeate during February 2012

Monthly Cost Estimate	\$1,942.40
Monthly Electric	\$ 932.20
<u>Total</u>	<u>\$5,663.04</u>
Cost Per Gallon	\$0.08

Ultra Filtration Upgrade Project – Eastern Environmental Contractors Has completed the Ultra Filter Upgrade. Final payment request has been received and will be presented to the Board for approval next week at the regular meeting.

The initial start-up after the upgrade is being delayed due to the UF feed pump being rebuilt. The main seal was failing and needed to be replaced.

GROUND WATER INVENTORY UPDATE: 3/20/2012

- Ground Water Storage Pond – 597,000 gallons 75 % of capacity
- The Ground Water Storage Pond maintained a manageable level during February 2012 with a constant discharge to Outfall 001.
- Total Ground Water received for February 2012 – 764,770 gallons.

NPDES PERMIT COMPLIANCE:

NPDES PERMIT DMR PA 0082791 for Outfall 001,100, and 101 CONESTOGA RIVER dated May 27, 2009 – The NPDES DMR Outfall 001, 100 and Outfall 101 for January 2011 will report 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 603,700 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 603,700 gallons was discharged to the Conestoga River (Outfall 001) during February 2012.

8. Compliance Officer's Report:

A. Monthly Activity Report: Ms. Devine mentioned that the first two items were related to the ongoing ground water monitoring project, and that Golder Associates is compiling the annual ground water report. And that ALSI has completed the first quarter sampling event.

Ms. Devine stated that there were no radiation alarms since the last meeting.

Ms. Devine mentioned that in the past month she submitted numerous reports related to air quality; the AIMS forms, NSPS report and semi-annual Title V report were all submitted since the last meeting.

Ms. Devine also informed the Board that Charlene Sauls, the DEP hydrogeologist, was here on March 6 for a site tour and to take a look at the locations of the newly installed Area E water monitoring wells.

Ms. Devine also reported that Sanborn Head had developed an update to their web based LFGMS. Terry sat in on a presentation explain the new program on March 7th. Ms. Devine included a map of methane concentrations in the gas extraction wells as an example of some of the aspects of the program.

Ms. Devine also informed the Board that in the past month she had completed the quarterly perimeter gas monitoring.

9. Recycling Coordinator's Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and events attended during the past month. Ms. Fromnick mentioned that monthly HHW meetings also serve as regional DEP meetings. After visiting the CCSWA, Henderson High School students conducted a school waste audit which was attended by the principal and superintendent and televised on Channel 6 Action News that evening. Data revealed that kitchen cafeteria workers did an excellent recycling job, but student and faculty performance left much room for improvement. Sixty (60) students completed Master Composting training classes including one retired public health director who will be returning to India to set up a large scale village composting program and a Cameroon orphanage director who will teach the children composting to improve their garden performance.

B. Correspondence: In - Among the items listed it was noted: The compliance system notifying DEP and Ms. Fromnick appears to be working well. Municipalities are sending compliance/enforcement letters to those not recycling. Ms. Fromnick was notified that final 2011 HHW municipal payments have been received from the 72 participants. **Out –** Of the items listed, Ms. Fromnick mentioned providing technical assistance to West Whiteland Township, providing the technical assistance study to New Garden Township and urging newly mandated municipalities to apply for free technical assistance.

C. Projects: Ms. Fromnick provided a list of projects. Ms. Fromnick commented that work continues on the 2011 Annual Report and she will start working on a 902 grant application on behalf of the County and the CCSWA.

10. Business Manager's Report.

A. February 2012 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for February 2012, indicating that the tonnage of 22,301.42 was 14.2% over budget and was higher than February 2011 by 13.9%.

B. February 2012 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding increased from 36.31 days in January 2012 to 38.26 days in February 2012. Mr. Gorney stated that the increase was due to slower payments from several larger accounts.

C. February 2012 Financial Statement: Mr. Gorney presented the Financials for February 2012 stating that we had a gain of \$197,083 for the month. Retained Earnings are at \$47,886,515. The funds invested totaled \$44,310,017.41 at month end. The interest earned in February 2012 was at a rate of 0.41% slightly under the 0.42% in January 2012.

D. February 2012 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for February 2012 totaled \$843,015.30.

E. Large Dollar Check Approvals: Mr. Gorney presented the February 2012 Large Dollar invoices totaling \$443,382.37, consisting of the attached schedule 10E. Mr. Carosella made a motion to accept the Large Dollar Invoices as presented; Mr. Knipe seconded the motion. Mr. William Shirk abstained from voting due to his interest as a contiguous property owner. The motion was carried by a majority vote.

F. Audit 2011: Mr. Gorney presented the Audit wrap-up notes to the Board for the 2011 Audit. The representatives from the CPA Firm BDO will review the report with the Board at the March 29, Meeting

There being no further business, the meeting was adjourned at 7:46 p.m.

Prepared by,

Peggy A. Cunius