

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

January 19, 2012

1. **Call to Order:** Bob Schoenberger, Chairman, called the January 19, 2012 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Peter Knipe
Peter Marroletti
William H. Shirk
Vince Carosella

Authority Members Absent

Ramsey G. DiLibero
Carmen Battavio

Management and Staff Present

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

Solicitor

Vincent M. Pompo, Esquire

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

The Chairman said the first order of business was the election of Officers to the Authority Board for 2012. Mr. Pompo was appointed temporary Chairman for the vote for Chairman. Mr. Carosella moved and Mr. Marroletti seconded keeping all other officers the same for 2012 as in 2011. The vote was unanimous.

3. **Meeting Minutes.** The minutes of the *Combined Meeting Session* of December 22, 2011 are in the Board Book for approval at the *Regular Session Meeting* next week.

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

A. Monthly Activity Report: Mr. Watts said he wanted to highlight a few items in his report. Mr. Watts said the Northern Tier Solid Waste Authority hired one of their long time Board Members as their new Executive Director. Mr. Watts said Ms. Devine and Ms. Fromnick helped with the first tour of the year this week. The tour was for about a dozen seniors from Henderson High School who were taking an environmental class. Mr. Watts said our contractor finished the maintenance work on the dam at 279 Bootjack Road in December. Mr. Watts said this work should provide for the dam and pond to be in place for years to come. Mr. Watts said that we are purchasing 569 Friendship Drive tomorrow and have been busy preparing other recent purchases for rental. We will soon have 21 rental units. Mr. Watts said we again sold off some unused equipment using Public Surplus' web auction. We recently collected \$5,551.50 for items sold.

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 lead article in this section was concerning that landfills only contribute 3.6% of the total greenhouse gas emissions for large facilities across the country. The second article in this section was from the *Intelligencer Journal* on January 18, 2012 and indicated that the largest source of greenhouse gas in the area are coal fired power plants. The article went on to say that for Lancaster County the largest source was the waste to energy plant. An article in this section was concerning Atlantic County New Jersey's landfill is losing \$1 million a month due to a large hauler transferring waste out of state.

D. Thank You Letters: Mr. Watts said this section contains nine thank you letters we received for recent donations.

E. Chester County Disposal Capacity Agreement Update: Mr. Watts said this section contains a copy of the letter we received from the Chester County Health Department and our response. We committed 325,000 tons of capacity to the county for 2012.

F. Compactor Depreciation: Mr. Watts said he contacted the two largest companies in the US that own landfills and they said they depreciate their compactors straight line to zero over five years.

G. Solar RFP Results: The two proposals are still under review, but it looks positive for a solar project.

H. Computer Policy Update: Mr. Watts said this section contains an updated policy for review. Mr. Watts said he would be ready to compare to the old policy at the next meeting.

I. Advisory Committee For Trees On Final Capped Areas: Mr. Watts included in this draft of a proposed letter for the Board's review.

5. Operations/Site Development Report:

A. Monthly Activity Report: Mr. Watts said most of the activities for the month were routine. He said we recorded 4.09" of rain for the month and 60.02" for the year. We put our new landfill compactor into service this week. The landfill gas flow has been averaging about 3,200 CFM and they have been running both engines to generate electricity. There has been a request to replace some equipment in the shrouded flare blower system by Granger and we have hired someone to evaluate the equipment. We had our contractor in to grind over 700 tons of wood in December. We continue to work with the USDA Wildlife Services to discourage birds from the landfill in the winter. We have contacted the Conestoga Landfill and they have indicated they may want to work with us to approach the birds on a regional basis. The cost to cover waste was up in December because the alternate daily cover soil jobs finished up for 2011 in November. We have given prices to some potential alternate daily cover soil jobs, but nothing is confirmed at this time. We just learned today that we will pay for 6,000 cubic yards of free soil to be hauled from Church Farm School to make way for their solar project, probably starting next week. A copy of the December 6, 2011 PADEP inspection was the last thing in this section. The only thing noted on the report was an onsite odor that we are investigating.

6. Facility Engineer's Report:

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

- Work on the Flare Station Relocation project was determined to be substantially complete as of Friday, November 18, 2011. Work during this period was limited to the completion of final punch list items and preparation of record drawings. The current contract price for this project (excluding the incentive payment) is \$531,189. I am expecting a partial payment application in the amount of \$44,436 for January. This payment includes the \$30,000 incentive for early completion and a partial release of retainage. A remaining balance of \$10,624 is being held until the receipt and acceptance of the final project documentation.

- Work progress continued on the Area E, Stage 1A Construction Project. Work during this period included: excavation of Sedimentation Pond No. 1 and onsite stockpiling. Work was also performed on the relocation of fiber optic communications lines and the installation of new groundwater monitoring wells. The total contract price for this project is \$3,986,861. The monthly application for progress payment in the amount of

\$405,990 was received and found acceptable. The current balance to finish including retainage is \$3,194,603. As of December 31, 2011 approximately 22% of the work has been completed and 44% percent of the contract time has passed. During the report period the Harnden Group (HG) verbally reported that they now expect less (non-rippable) rock excavation than estimated in the bid quantity. Chuck Harnden acknowledged his understanding that a large portion of the (rippable) rock will therefore need to be removed from the site. I understand that Harnden Group has identified two off-site properties for the disposal of clean fill.

- During this period I asked Drillmore Construction to submit the record drawings and other project records for the Area D, Cell 2 LFG Collection System Expansion. I asked that these records be submitted before the end of January. These records are needed in order for me to complete the requisite PADEP Certification Report.
- Ludgate Engineering report progress on the following activities: topographic field survey the Annual PADEP Report; topographic survey drawing needed for the Annual PADEP Report; 2012 aerial photography; large aerial photograph; and the digital version of the aerial photograph. The DRAFT Design Report for the sewer and water system extensions has been submitted to the sewer and water authority engineers for review.

B. ARM Group – Monthly Status Report: A copy of the Monthly Status Report from the ARM Group dated January 17, 2012 was presented to the Board for review.

C. SCS Engineers – Monthly Status Report: A copy of Monthly Progress Report No. 19 from SCS dated January 17, 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 January 17, 2012 was presented to the Board for review.

7. Water Management's Report:

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

DECEMBER HIGHLIGHTS:

- December 2011 landfill leachate 773,419 gallons (includes gas condensate)
Leachate by area breakdown:

Area C	90,329 gallons
Area B	188,125 gallons
Area D	481,515 gallons
Granger gas condensate	13,450 gallons
- December 2010 landfill leachate 1,507,376 gallons

- December 2011 Rainfall 4.64”

LEACHATE INVENTORY UPDATE: (As of January 4, 2011)

T-101 Leachate Storage Tank	-390,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 375,000 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	- 875000 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 47 %

LEACHATE COLLECTION SYSTEM:

Currently the Leachate collection system is 100% operational. During the month of December 2011 water operations had one pump failure at the C-1 wet well. This pump was replaced and sent out for repair.

RECIRCULATION SYSTEM

- 212,500 gallons was recirculated during the month of December 2011. Recirculation for the month was into the leachate blankets.

Recirculation to date: 1/01/2012

<u>Trench #</u>	<u>Recirculated (gal)</u>	<u>Maximum (gal)</u>	
A	-----	-----	This Trench is closed
B	-----	-----	This Trench is closed
C	1,825,985	1,888,720	
D	1,754,229	1,783,398	
E	1,760,450	2,631,930	
F	3,008,765	3,682,875	
G	3,141,402	5,066,750	
<u>H</u>	<u>1,273,133</u>	<u>5,687,500</u>	
Total	13,856,715 (gal)	21,681,836 (gal)	

Remaining Trench Capacity – 8,088,546 gallons

<u>Blanket #</u>	<u>Recirculated (gal)</u>	<u>Maximum gallons/year</u>
1	741,581	1,250,000
2	689,567	1,250,000
3	769,168	1,250,000
4	751,387	1,250,000
Total	2,880,243 (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 7.6 gpm and the RO system is operating at an average flow rate of 7.8 gpm during the month of December. The plants 21 day average is approximately

3,109 gpd. The plant was experiencing PLC and CPU issues. Causing shutdowns. This caused the monthly total to be lower than expected. The issues were resolved and the plant is operating normally.

- New RO Membranes were installed the first week of January 2012.

The RO unit produced – **74,611** gallons of permeate during December 2011

MONTHLY COST ESTIMATE \$3,227.23

Monthly Electric \$1,978.00

Total **\$5,205.23**

Cost Per Gallon **\$0.07**

- Ultra Filtration Upgrade Project – A pre-construction meeting was held 12/12/2011. Eastern has requested a 30 day contract extension due to the membrane manufacturer lead time for the product. The project is expected to be complete by February 28th. The change order request follows this report.

GROUND WATER INVENTORY UPDATE: 1/1/2012

- Ground Water Storage Pond – 694,500 gallons 87 % of capacity
- The Ground Water Storage Pond maintained a manageable level during December 2011 with a constant discharge to Outfall 001.
- Total Ground Water received for December 2011 – 504,985 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 December 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 1,085,600 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 1,085,600 gallons was discharged to the Conestoga River (Outfall 001) during December 2011.

SRBC COMPLIANCE:

CCSWA was in full compliance with SRBC source limits for the 4th quarter for 2011. CCSWA did incur a consumptive water use for the 4th quarter 2011 of 2.3774 mg, at a fee rate of \$0.29/1000gallons. The consumptive water use bill for the 4th quarter was \$689.35.

B. Eastern Environmental Contractors Inc. – Change Order: The Board approved a change order request submitted by Eastern Environmental Contractors Inc.

This change order was needed due to the lead time from the manufacturer for delivery of the Ultra Filtration Membranes.

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 the 4th quarter data has been received, reviewed and should be submitted to the DEP in the next day or two. Ms. Devine reported there no radiation alarms since the last meeting.

Ms. Devine mentioned that she measured water levels in on-site wells on 12/23/11 and that levels in all wells were dramatically higher than in the 3rd quarter.

Ms. Devine also mentioned that the DEP is requiring landfills to submit monthly reports of TENORM waste accepted at the landfill in order to track quantities. This is waste related to Marcellus shale drilling and we currently are not accepting any of these wastes at Lanchester.

Ms. Devine also informed the Board that the DEP inspector was here and conducted an inspection on January 6, 2012. He noted no deficiencies; however we have not yet received a report of his inspection.

Ms. Devine also mentioned that she had a phone conversation with Bill Weaver of DEP Air Quality regarding the Area E air plan approval. It has an expiration date of June 30, 2012 and we will most likely need to file an application for an extension, since the Area E landfill will not be built by then.

Mr. Marroletti asked how hard it is to get the extension. Ms. Devine replied it is a matter of submitting a DEP form requesting the extension. It should be a formality.

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 invited Longwood Gardens to visit the Great Valley School District Styrofoam Densifier Pilot Program. Other school districts and colleges will be informed of the program.

B. Correspondence: In: Among the items listed the following were noted: The Highland Township HHW commitment was received. Seventy-two (72) of 73 municipalities now participate in the program. Ms. Fromnick will continue to encourage Atglen Township to participate. The Penn Township ordinance review revealed that it allowed burning instead of the required "no" burning rule. Penn continues to work on their Act 101 requirements. It was noted that a shredding event will take place on March 24 here at the CCSWA in conjunction with the "Mulch Give Away Event". Many hauler, commercial and processor reports have been received as work continues on the 2011 Annual Recycling Report required by DEP. **Out** – Ms. Fromnick submitted the County's Act 190 Application for Reimbursement for the second half of 2011.

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

that although P & M participants enjoyed payment for recyclables the last quarter of 2011, this year shows a volatile market with surpluses and weak demand from China. The contract, however, has a floor price of “0”. Participants will never pay to unload recyclables during the length of this contract. The Green Business Award Winner, Longwood Gardens, will receive their award at the Chamber Dinner on January 26.

- Attachments:**
1. 2009 Performance Grants to Date
 2. Coatesville article mentioning the resident who has been communicating with Ms. Fromnick and raising questions concerning their recycling program
 3. The Draft 2012 Tentative HHW Schedule
 4. The Master Composting schedule press release

10. Business Manager’s Report.

A. December 2011 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for December 2011, indicating that the tonnage of 26,401.77 was 2.8% over budget and was higher than December 2010 by 10.2%.

B. December 2011 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding decreased from 39.80 days in November 2011 to 39.07 days in December 2011.

C. December 2011 Financial Statement: Mr. Gorney presented the Financials for December 2011 stating that we had a loss of \$2,217,667 for the month. The loss was directly attributable to an upward cost revision in the Closure/Post Closure Expense estimates for the Financial Assurance required by the PADEP in the amount of \$2,995,000.00. Retained Earnings are at \$47,186,164. The funds invested totaled \$45,641,407.11 at month end. The interest earned in December 2011 was at a rate of 0.42% compared to 0.44% in November 2011.

D. December 2011 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for December 2011 totaled \$1,223,315.54.

E. Large Dollar Check Approvals: Mr. Gorney presented the December 2011 Large Dollar invoices totaling \$1,834,796.46, consisting of the attached schedule 10E. 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. Act 101 – 4th Quarter 2011: Mr. Gorney presented the 4th Quarter 2011 Act 101 Payment made January 2012 totaling \$818,943.30 consisting of the attached schedule 10F. Mr. Knipe made a motion to accept the 4th quarter 2011 Act 101 payment for January 2012 as presented; Mr. Shirk seconded the motion. The motion was carried by a unanimous vote.

G. Additional Collateral Bond – Based On Higher Cost: Mr. Gorney presented the documents for the additional Bond of the \$2,995,000.00 U.S. Treasury Note. The deposit is being made to cover the additional Financial Assurance requirements caused by the higher cost estimates. Mr. Carosella made a motion to approve the Resolution as presented; Mr. Marroletti seconded the motion. The motion was carried with a unanimous vote.

There being no further business, the meeting was adjourned at 6:44 p.m.

Prepared by,

Peggy A. Cunius