

# CHESTER COUNTY SOLID WASTE AUTHORITY

## *Combined Work Session & Regular Meeting — Lanchester*

*May 24, 2012*

1. **Call to Order:** Bob Schoenberger, Chairman, called the May 24, 2012 *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 Marroletti  
Peter Knipe  
William H. Shirk  
Vince Carosella  
Ramsey G. DiLibero  
Carmen Battavio

Authority Members Absent

Management and Staff Present

Robert A. Watts  
Gary Laird  
Terry Devine  
James M. Gorney

Solicitor

Vincent M. Pompo, Esquire

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

The Chairman said this would be the only meeting this month. The Chairman said Joe DiFerdinando and Nick Rogers were here from Granger Energy to describe their updated maintenance program. The Board thanked them for coming to the meeting and explaining their new program. Mr. DiFerdinando also said they were proposing a better system of heating and cooling the variable speed drives at the ground flare that should minimize the dust entering the cabinets.

3. **Meeting Minutes:** Mr. DiLibero moved and Mr. Carosella seconded approving the minutes of the April 19, 2012 *Work Session Meeting* and the April 26, 2012 *Regular Session Meeting*. The vote was unanimous.

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

**A. Monthly Activity Report:** Mr. Watts said he had a few items on the first page of his report he would like to highlight. He said on April 26 he received an invoice from Northwestern Chester County Municipal Authority for \$650 for review of our sewer line extension plans by their engineer. Mr. Watts said we had deposited \$1,500 in escrow to cover the initial review, but anticipated being asked to add to that escrow soon. Mr. Watts said in his reading of trade journals he learned that there is a thriving business in some parts of the country making wood pellets for export to Europe or domestic use. Since CCSWA receives over 1,500 tons of hardwood pallets he thought this might be a possible business opportunity. After a leading manufacture's salesman told Mr. Watts the equipment would cost over a million dollars, Mr. Watts told the Board that he would continue to look for other options. Mr. Watts said he received a letter from an Enforcement Officer from Daulphin County concerning 5 tons of waste disposed at Lanchester in 2009. Mr. Watts said his research confirmed that the load was actually from Caernarvon Township and that one of the Weighmasters keyed in the wrong county code. Mr. Watts said the PADEP had approved the certification report for the relocation of the ground flare. Mr. Watts said he just received a request for disposal costs from Monroe County for the period 2015-2025. Mr. Watts said he was not planning to respond to their request – the Board agreed. Mr. Watts said we have had a lot of interest in our leaf compost this year. He said we are about to sell out of our 2010 batch and the 2011 batch should be ready in about a month. One of our customers was planning to do additional testing for an upcoming project that needed leaf compost that he was planning to bid on. Mr. Watts said he told them if they send us the results we will pay, but no results yet. Mr. Watts said he appreciated the Board sponsoring his trip to Niagara Falls, Canada, as an International Director to the SWANA mid-year meeting. Mr. Watts said he and the Chairman had a working lunch and site tour with their counterparts at the Southeastern Chester County Refuse Authority. Mr. Watts said they had a good visit and update; he said we plan to reciprocate in the fall. Mr. Watts said he meet with representatives of a Chester County municipality who is interesting in hosting a recycling transfer station. They suggested that Mr. Watts contact a business that was located on property they had previously owned to see if they would lease a portion to CCSWA. Mr. Watts said he talked to the site manager and they were not interested at this time. Mr. Watts said there were other properties the municipality owned, but were not ideal in his opinion. Mr. Watts said he will continue to look for good opportunities to manage waste and recyclables in other parts of the Lanchester Service Area. Mr. Watts said two of CCSWA's renters moved out and we are preparing for re-rental.

**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 the Dead Animal Recovery operation in Honey Brook. From the article it appears that they now have the Supervisors support for the loan to upgrade the facility. Another article was an update that Allentown was moving forward with its waste to energy project. Also in this section was an article concerning Palm Beach County Florida awarding a \$668 million dollar contract to build a new 3,000 ton per day waste to energy plant. Mr. Watts said that a local hauling company – Edie Waste was purchased by Republic Services who also own York Disposal and Allied Brandywine.

**D. PADEP Response To Lancaster CSWMA:** Mr. Watts said this section contained a copy of a response to a letter their Executive Director sent to the PADEP in January. Mr. Warner was asking for relief from some of the regulations so that the ash from Waste to Energy Facilities could be used as a product in construction. The PADEP requested more information on the proposed use.

**E. Unsolicited Waste Processing Proposal:** Mr. Watts said there was no information in this section, but that DEPI was planning a demonstration of some of their technology in the Hamberg area in June.

**F. Chester County Waste Destinations 1<sup>st</sup> Quarter 2012:** Mr. Watts said the total quantity of waste that was generated in 2012 from Chester County was down about 6% and the waste quantity disposed of at Lanchester was also down about the same percentage. Mr. Watts said it appears from the PADEP report that Lanchester and SECCRA received all of the MSW generated in the county except for some minor amounts. The Board directed the Solicitor to issue a NOV to the Pioneer Crossing Landfill and asked Mr. Watts to contact the others disposal facilities to explain the few loads they received during this period.

**G. RFP To IT Services Respondents:** Mr. Watts said his section contained a spread sheet of the names and some basic information on the 10 respondents that replied by the deadline last Friday. Mr. Watts said there was one respondent that came in on Monday and it was disposed of unopened. Mr. Watts said these are under review and he plans to have a recommendation in June for the Board.

## **5. Operations/Site Development Report.**

**A. Monthly Activity Report:** Mr. Watts said this was a fairly routine month. We recorded 2.65” of rain. The landfill gas flows had been around 3,200 cfm. Our wood processor is on site and should be finished tomorrow. We did receive our new Volvo off-road truck and have put it into service. We are preparing our old truck for auction. We started to find contamination in our diesel fuel in the last few weeks. We had it tested and the results indicated that the higher than normal quantity of water in it which lead to

the growth of algae and fungus. This was clogging our filters and taking equipment out of service. We hired a company to clean our tank and filter the fuel. We plan to be in full operation tomorrow. We are investigating the source of water, but this is the first problem we had with this tank in over 15 years. Our cost to cover waste was reduced in April because we were still receiving ash from Harrisburg and we received some diesel contaminated soil from West Chester that was approved for daily cover.

**6. Facility Engineer’s Report. (ORE)**

**A. Monthly Activity Report:** Mr. Watts said Mr. Esterly was on vacation so he would give his report. Mr. Watts said the Area E, Stage 1B public bidding notice has been advertised in the newspaper and on our website. The request for proposal to provide Resident Project Representative and Quality Assurance Services was also advertised. Mr. Watts said the replacement of the three variable speed drives for the ground flare was underway as a change order to the original Harden contract. Mr. Watts said our RPR engineer on the Area E, Stage 1A received a letter from the Harden Group that the work was substantially complete. Their review is ongoing. Mr. Watts said the Board could review the rest of the items in this section at their convenience and could contact him or Mr. Esterly if there were any questions.

**7. Water Management’s Report. (GAL)**

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

**APRIL HIGHLIGHTS:**

- April 2012 landfill leachate 497,900 gallons (includes gas condensate)
  - Leachate by area breakdown:
    - Area C 86,580 gallons
    - Area B 203,851 gallons
    - Area D 183,528 gallons
  - Granger gas condensate 15,000 gallons
- April 2011 landfill leachate 828,077 gallons
- April 2012 Rainfall 2.65”

**LEACHATE INVENTORY UPDATE: (As of May 23, 2012)**

T-101 Leachate Storage Tank	- 255,000 gallons	capacity – 850,000 gallons
T-115 Leachate Storage Tank	- 0 gallons	capacity – 850,000 gallons
<u>T-100 Equalization Tank</u>	<u>- 78,000 gallons</u>	<u>capacity – 110,000 gallons</u>
Total Leachate Inventory	- 514,500 gallons	capacity –1,810,000 gallons

Total percent of storage utilized - 18 %

**LEACHATE COLLECTION SYSTEM:**

Currently the Leachate collection system is 100% operational.

**RECIRCULATION SYSTEM**

- 210,000 gallons was recirculated during the month of April 2012. Recirculation for the month was into the Trenches and the leachate blankets.

**Recirculation to date: 5/01/2012**

<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	3,130,621	3,682,875	
G	3,263,425	5,066,750	
H	1,366,965	5,687,500	
<b>Total</b>	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	128,182	1,250,000
2	125,086	1,250,000
3	126,558	1,250,000
4	81,217	1,250,000
<b>Total</b>	<b>379,946 (gal)</b>	<b>5,000,000 (gal)</b>

**LEACHATE TREATMENT PLANT (UFRO SYSTEM)**

The UFRO Treatment System is currently operational and ran well but did experience some minor issues, during the month of April. The plant processed 105,726 gallons of permeate during the month of April 2012 with an average daily processed volume of 3,524 gallons. The RO Unit has been shutting down over night due to fouling of the RO cartridges. These cartridges are filters just before the RO membranes. Very fine silt is passing through both the Pre-Treatment filter cloth and the Ultra Filtration system. This has resulted in a daily shutdown of 8 – 12 hours per day (overnight). The amount of consumable cartridges used has added to the increased cost per gallon processed.

Once this issue is solved the process volume should be considerably increased and the cost per gallon processed should be reduced.

Total operational costs for April 2012 – \$8,868.68  
Cost per gallon processed - \$0.08

**GROUND WATER INVENTORY UPDATE: 5/23/2012**

- Ground Water Storage Pond – 540,000 gallons 68 % of capacity
- The Ground Water Storage Pond maintained a manageable level during April 2012 with a managed discharge to Outfall 001.
- Total Ground Water received for April 2012 – 281,872 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 has reported full compliance with the 2009 NPDES Permit. All Monitored Parameters were below required discharge limits. Zero gallons from the effluent equalization tank (Outfall 100) of treated permeate and 284,300 gallons of groundwater (Outfall 101) Ground Water Storage Pond, was discharged to (Outfall 001). A total of 284,300 gallons was discharged to the Conestoga River (Outfall 001) during April 2012.

**SRBC**

The first quarter of 2012 has reported full compliance with the permit conditions. The submitted consumptive water use of 1.587 mg resulted in payable quarterly CU payment of \$460.23.

- B. Caernarvon Township Sewer Support:** During the May meeting a letter signed by the Caernarvon Township Board of Supervisors was presented to the Chester County Solid Waste Authority Board of Supervisors, stating that Caernarvon Township, Lancaster County, Pa. had no issues with CCSWA (The Authority) connecting to the Honey Brook Borough, Chester County, Pa. Waste Water Treatment Facility.

**8. Compliance Officer's Report. (TAD)**

- A. Monthly Activity Report:** Ms. Devine mentioned that Golder Associates had submitted the draft Annual Report. Staff members had reviewed it and submitted comments and we are waiting for the final report.

Ms. Devine also informed the Board that the 2<sup>nd</sup> quarter 2012 ground water monitoring event was completed earlier this month.

Ms. Devine stated that there were two radiation alarms since the last meeting. They both originated at SECCRA. Both loads were from East Nottingham Township. The isotope was I-131 and both loads were landfilled.

Ms. Devine also mentioned that storm water samples were collected on May 15<sup>th</sup>.

Ms. Devine told the Board there had been 5 groups at Lanchester in the past month for

site tours. Ms. Devine stated she believes that school tour season is over for this year.

Ms. Devine informed that Board that she sent a letter to the DEP to notify them of a malfunction of the flare temperature and flow recorder. She reviewed a copy of the letter that was attached to her report.

Lastly, Ms. Devine informed the Board that John Pollock, DEP inspector conducted a site inspection on Friday May 18<sup>th</sup>. The inspection included walking some of the side slopes and benches of Area B and the Municipal site. A large erosion gully was identified on the eastern side of the Area B landfill and John directed the landfill to have it repaired within 7 days. Ms. Devine notified John on Monday May 21<sup>st</sup>, that the Operations staff had completed the repair to the bench.

**9. Recycling Coordinator's Report (NJF)**

**A. Monthly Activity Report:** Mr. Watts said Ms. Fromnick was excused tonight and he would give her report. Mr. Watts said there was an E-Waste collection at East Brandywine Township on April 27 and 269 vehicles were serviced. Mr. Watts said the Owen J. Roberts HHW event serviced 355 vehicles. Mr. Watts said the attached information from the CAT Pickering HHW and E-Waste Collection served over 1,000 vehicles. Mr. Watts also noted that most people learned of the event from websites.

**10. Business Manager's Report. (JMG)**

**A. April 2012 Monthly Tonnage Report:** Mr. Gorney presented the Tonnage Report for April 2012, indicating that the tonnage of 25,615.90 was 6.9% under budget and was lower than April 2011 by 0.5%.

**B. April 2012 Accounts Receivable:** Mr. Gorney stated that receivables day sales outstanding decreased from 38.26 days in March 2012 to 33.72 days in April 2012. Mr. Gorney stated that the decrease was due to faster payments from several larger accounts.

**C. April 2012 Financial Statement:** Mr. Gorney presented the Financials for April 2012 stating that we had a gain of \$441,653 for the month. Retained Earnings are at \$48,535,018. The funds invested totaled \$42,729,055.99 at month end. The interest earned in April 2012 was at a rate of 0.43% the same as the 0.43% in March 2012. Mr. Battavio made a motion to accept the April 2012 Financials as presented; Mr. Carosella seconded the motion. The motion was carried by a unanimous vote.

**D. April 2012 Vendor Check Register Report:** The Vendor Check Register was presented to the Board. The checks for April 2012 totaled \$2,798,944.09. Mr. Battavio made a motion to accept the April 2012 Check Register as presented; Mr. DiLibero seconded the motion. The motion was carried by a unanimous vote.

**E. Large Dollar Check Approvals:** Mr. Gorney presented the May 2011 Large Dollar invoices totaling \$1,173,507.62, consisting of the attached schedule 10E. Mr. Carosella 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. Collateral Bond Rollovers:** Mr. Gorney presented the rollovers for the \$3,444,000.00 @ 6/15/12 and \$48,000.00 @6/30/12 in U.S. Treasury Notes. Mr. Battavio made a motion to approve the Resolution as presented; Mr. DiLibero seconded the motion. The motion was carried with a unanimous vote.

**G. Future Funding For Cell Construction & Capping:** Mr. Gorney presented the subject Schedule 10G for board review and information.

The meeting was adjourned at 6:48.

Prepared by,  
Peggy A. Cunius