

CHESTER COUNTY SOLID WASTE AUTHORITY

Work Session — Lanchester

January 21, 2010

1. **Call to Order:** Bob Schoenberger, Chairman, called the January 21, 2010 *Work Session* Meeting of the Chester County Solid Waste Authority to order at 5:30 p.m.

Authority Members Present

Bob Schoenberger
Dante W. Renzulli, Jr. Esquire
William H. Shirk
Peter Marroletti

Authority Members Absent

Ramsey G. DiLibero
Peter Knipe
Vince Carosella

Management and Staff Present

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

Solicitor

Vincent M. Pompo, Esquire

2. **Meeting Minutes.** The minutes of the *Combined Meeting Session* of November 19, 2009 and the minutes of the *Combined Meeting Session* of December 17, 2009 are in the Board Book for approval at the *Regular Session Meeting* next week.
3. **Chairman's Announcements.**

The Chairman had no announcements. The Chairman said the first order of business was the election of Officers to the Authority Board for 2010. Mr. Pompo was appointed temporary Chairman for the vote for Chairman. Mr. Marroletti moved and Mr. Shirk seconded keeping all other officers the same for 2010 as in 2009. The vote was unanimous.

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 he was contacted late last year by a solar developer looking for 50 acres to place panels. Mr. Watts responded that we do not have 50 acres of non-landfill property that would be suitable. They have not called back. Mr. Watts said he and Dawn Nichols meet with the Director of Chester County Parks & Recreation to get his input on obtaining certification for the Wildlife Habitat Council's Wildlife at Work Program. Mr. Watts said he had some good suggestions and is willing to help us. Mr. Watts said he attended Honey Brook Township's Board of Supervisor's meeting to discuss extending the sewer planning are to include Lanchester.

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. News Articles: Mr. Watts said the first article in this section was concerning the recent Honey Brook Township Board of Supervisors Meeting. The last article in this section was concerning the recent award a landfill in Texas received for their use of an exposed landfill cap that contained solar panels.

D. PADEP Press Releases: Mr. Watts said this section contains notices on a number of federal or state programs promoting the use of solar panels and energy efficiency.

E. SWANA's Comments on EPA's Tailoring Rule: Mr. Watts said this section contains a copy of a letter SWANA recently sent to the EPA on the Greenhouse gas rules. Their concerns are that the threshold level is too low and that the industry should be involved in determining what is the best available technology to reduce the emissions.

F. Thank You Letters: Mr. Watts said this section contains a number of thank you letters we recently received from our year end donations.

G. C & D Disposal Trends: This section contained a graph indicating the quantity of C&D waste disposed of in Chester County landfills has been decreasing since 2005 and the out of county C&D disposal has increased.

H. Granger Second Amendment: The Board advised Mr. Watts they would sign the amendment if Section 8.13 was removed.

5. Operations/Site Development Report:

A. Monthly Activity Report: The following is the report for Operations/Site Development.

Landfill Gas Collection/Odor Control

Mr. Myer reported the current gas flow is approximately 3100 SCFM through the plant. Customer demand has been higher so the engine has not been running. The flare louvers were modified which helped when running the flare over the holidays.

Weather

We received 5.84" of rainfall in the month of December. Total rainfall for 2009 is 49.55". The end of December was windy with wind gust over 50 mph.

Compost Site

We are accepting leaves, skids, and vegetative wood waste.

Miscellaneous Site Work

Page 2 has a partial list of the routine work for the month. I will comment on two of the items.

We continue to remove keyway soil from Cell B-1 before trash placement. The soil is either used as cover or stockpiled for future use.

The rain cap is removed a section at a time as flooring continues in Area D-2. After a section is floored bulky waste is placed on top of it to raise the grade to the desired elevation.

Man-Hours

Page 3 shows how the man hours were spent for the month.

Equipment and Current Events

Rebuild 973C Track Loader undercarriage

Install new tips on the 836H landfill compactor

Information continues to be gathered concerning Lanchester Landfill becoming a certified Wildlife Habitat Site.

Upcoming Projects/Activities

I plan to schedule W. D. Zwicky & Son in to grind wood waste at the compost site in mid March.

The operations group will install a 4" pipe in the 15' set back at the toe of trash in cell D-2 for gas collection and odor control.

Landfill Inspections

John Pollock (PADEP) was on site December 22, 2009 for an inspection. A written report of that inspection is included in my report. Mark Mueller, Caernarvon Township Host Community was also on site December 22, 2009 no written report is available at this time. Joe Cutter (Caernarvon Township Inspectors) was also on site several times during the month and a copy of his report is also attached.

6. Facility Engineer's Report:

A. Monthly Activity Report: The Monthly Engineer's Report for January 2010 was presented to the Board. The following items were included in the verbal report.

- The current Construction Services Contracts are listed in the written report. All construction work is completed.
- The Report listed the survey tasks performed by Ludgate Engineering Corporation during this report period, including the annual aerial photograph. The aerial photograph was displayed.
- During this period, SCS Engineers inquired with PADEP Air Quality about the potential to abandon the older enclosed flare. PADEP's verbal response has been favorable
- During this period, PADEP issued a permit application review letter concerning the Area E Harms-Benefits analysis. The ARM Group Inc. is preparing a response to this letter.
- Blazosky Associates Inc. provided LFG monitoring services related to EW-312 during this report period.
- A kick-off meeting was held on January 20, 2010 regarding the public sewer and water system expansions. The meeting was attended by representatives from Keystone Engineering.
- Drillmore Construction indicates that the final Record Drawings will be delivered before the end of this week. Once received the Certification Report can be completed and sent to PADEP.

- The Certification Report for the cover system repair work near EW-312 remains under PADEP review.
- The final payment application and the requisite close-out documentation for the 2009 Roadway Improvement Project were received during this period. The documentation was reviewed and found to be acceptable.
- During this report period I prepared a Request for Qualifications (RFQ) concerning a post closure solar power demonstration project. The RFQ is intended to identify qualified consultants interested in providing consulting assistance for the development of a solar power installation on a closed portion of the landfill. A Preliminary Engineering Study for a demonstration project is envisioned. The RFQ was sent to ARM, BAI, B&L, CDM; SHA; Shaw; and SCS. Responses are due on Friday, January 29, 2010.

B. Area E – PADEP Letter: A copy of the January 14, 2010 letter from PADEP requesting additional traffic information was presented to the Board.

C. Area D – Filling Sequence Drawings: The January 18, 2010 proposal from the ARM Group Inc. regarding the Landfill Filling Sequence Drawings was presented to the Board. These drawings will help to assure the effective control of storm water, landfill gas and minimize leachate generation. It was recommended that the Board authorize these services in the amount of \$27,920. The motion to authorize these services was made by Peter Marroletti with a second by Bill Shirk. The motion passed.

7. Water Management’s Report:

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

DECEMBER HIGHLIGHTS:

- December 2009 landfill leachate 1,507,376 gallons (includes gas condensate)

Leachate by area breakdown:

| | |
|------------------------|-----------------|
| Area C | 182,243 gallons |
| Area B | 437,181 gallons |
| Area D-1 | 262,878 gallons |
| Area D-2 | 354,521 gallons |
| Area D-3 | 72,486 gallons |
| Granger gas condensate | 17,867 gallons |

Year to date landfill leachate 8,065,436 gallons

- December 2008 landfill leachate 981,143 gallons
- December 2009 Rainfall 5.79”

LEACHATE INVENTORY UPDATE: (As of January 1, 2010)

| | | |
|--------------------------------|-------------------------|-----------------------------------|
| T-101 Leachate Storage Tank | - 432,500 gallons | capacity – 850,000 gallons |
| T-115 Leachate Storage Tank | - 420,000 gallons | capacity – 850,000 gallons |
| <u>T-100 Equalization Tank</u> | <u>- 70,000 gallons</u> | <u>capacity – 110,000 gallons</u> |
| Total Leachate Inventory | - 922,500 gallons | capacity – 1,810,000 gallons |

Total percent of storage utilized - 50 %

LEACHATE COLLECTION SYSTEMS –

Currently the Leachate collection system is 100% operational

RECIRCULATION SYSTEM

- 180,200 gallons was recirculated during the month of December 2009. Recirculation for the month was into both the leachate trenches and blankets.

Recirculation to date: 1/1/2010

| <u>Trench #</u> | <u>Recirculated (gal)</u> | <u>Maximum (gal)</u> | |
|-----------------|---------------------------|-------------------------|-----------------------|
| A | ----- | ----- | This Trench is closed |
| B | ----- | ----- | This Trench is closed |
| C | 1,370,262 | 1,888,720 | |
| D | 1,289,075 | 1,783,398 | |
| E | 1,410,525 | 2,631,930 | |
| F | 2,788,694 | 3,682,875 | |
| G | 2,902,204 | 5,066,750 | |
| H | 1,096,936 | 5,687,500 | |
| Total | 11,980,640 (gal) | 21,681,836 (gal) | |

Remaining Trench Capacity – 9,701,196 gallons

| <u>Blanket #</u> | <u>Recirculated (gal)</u> | <u>Maximum gallons/year</u> |
|------------------|---------------------------|-----------------------------|
| 1 | 542,468 | 1,250,000 |
| 2 | 520,281 | 1,250,000 |
| 3 | 472,146 | 1,250,000 |
| 4 | 421,377 | 1,250,000 |
| Total | 1,956,272 (gal) | 5,000,000 (gal) |

UFRO Research and Development December 09

The UFRO Treatment plant upgrade is moving forward. See attached progress report from Keystone Engineering Group.

LEACHATE TREATMENT PLANT (UFRO SYSTEM)

- The UFRO Treatment System is currently operational and is performing well. The UF system is operating at an average of 6.4 gpm and the RO system is operating at an average flow rate of 7.5 gpm. The plant is averaging approximately **2,376 gpd** for the month of December 09.

The RO unit produced – **73,652** gallons of permeate during the month of December 2009

MONTHLY COST

| | | |
|------------------------|-------------------|---------------|
| ESTIMATE | \$4,441.41 | |
| Monthly Deprecation | | \$8294.27 |
| Monthly Electric | \$1,976.42 | |
| Total | \$6,417.84 | |
| Cost Per Gallon | \$0.09 | \$0.20 |

GROUND WATER INVENTORY UPDATE: 1/1/2010

Ground Water Storage Pond – 800,000 gallons 100 % of capacity

The Ground Water Storage Pond was full due to the large inflow during the month of December. Several loads had to be hauled off site to help maintain a manageable level.

Total Ground Water received for December 2009 – 772,416 gallons

NPDES PERMIT COMPLIANCE –

NPDES PERMIT DMR PA 0082791 for Outfall 001 CONESTOGA RIVER dated December 2003 – The NPDES DMR Outfall 001, 100 and Outfall 101 for December 2009 will report full compliance with the new 2009 NPDES Permit. All Monitored Parameters were below required discharge limits.

Zero gallons from the effluent equalization tank (Outfall 100) of treated permeate and 254,400 gallons of groundwater (Outfall 101) was discharged to (Outfall 001). A total of 254,400 gallons was discharged to the Conestoga River during December 2009.

8. Compliance Officer’s Report:

A. Monthly Activity Report: Ms. Devine stated that the quarterly ground water monitoring for 2009 is complete and Golder is reviewing the data in order to complete the annual report. First quarter 2010 sampling will be conducted in February. There were four radiation alarms since the last meeting. Isotopes were all medical , three being I-131 and one being Tc-99. All loads were landfilled. Storm water samples were collected on November 24th DMR’s are ready to be submitted to DEP. Ms. Devine mentioned she accompanied DEP inspector on site inspection on Dec. 22nd. Odors were noted at D-2 manholes but no other issues were noted. Ms. Devine mentioned she had conducted quarterly perimeter gas monitoring and water level measurements since the last meeting.

9. Recycling Coordinator’s Report:

A. Monthly Activity Report: Ms. Fromnick provided a list of meetings and tours attended during the past month. Ms. Fromnick commented that Sikorsky Helicopter is a possible Green Business Award candidate, Ms. Fromnick chaired the County Office Recycling Committee and the Chamber Recycling Subcommittee, attended the Regional HHW Meeting and met with representatives from Republic/Allied to discuss the P & M contract.

B. Correspondence: In: Sixty-nine municipalities have signed on to the HHW program thus far. Atglen is a definite “no” and we are awaiting responses from South Coatesville, Highland and Wallace Townships. **Correspondence – Out:** Ms. Fromnick is encouraging municipal attendance at the February 25 and 26 classes conveniently located at the Penn State Great Valley Campus. Board Directors Bob Schoenberger and Peter Marroletti expressed interest in attending.

C. Projects: Of particular note are the CCSWA Electronics/Shredding Event planned for May 8 and data collection for the 2009 Annual Report.

10. Business Manager’s Report.

A. December 2009 Monthly Tonnage Report: Mr. Gorney presented the Tonnage Report for December 2009, indicating that the tonnage of 26,666.80 was 4.3% under budget and was lower than December 2008 by 7.2%.

B. December 2009 Accounts Receivable: Mr. Gorney stated that receivables day sales outstanding increased from 29.85 days in October 2009 to 30.95 days in December 2009. Mr. Gorney stated that there were no major problems.

C. December 2009 Financial Statement: Mr. Gorney presented the Financials for December 2009 stating that we had a gain of \$388,711 for the month. Retained Earnings are at \$40,006,984. The funds invested totaled \$35,781,849.84 at month end. The interest earned in December 2009 was at a rate of 1.00% down from the 1.11% in November 2009. The rate decreased due to the rollover of funds to lower interest rates.

D. December 2009 Vendor Check Register Report: The Vendor Check Register was presented to the Board. The checks for December 2009 totaled \$1,358,014.84.

E. Large Dollar Check Approvals: Mr. Gorney presented the October 2009 Large Dollar invoices totaling \$484,151.63 consisting of the attached schedule 10E. Mr. Renzulli made a motion to accept the Large Dollar Invoices as presented; Mr. Shirk seconded the motion. The motion was carried by a unanimous vote.

F. Act 101 – 4th Quarter 2009: Mr. Gorney presented the 4th Quarter 2009 Act 101 Payment for January 2010 totaling \$717,740.56 consisting of the attached schedule 10F. Mr. Shirk made a motion to accept the 4th quarter 2009 Act 101 Payment for January 2010 as presented; Mr. Renzulli seconded the motion. The motion was carried by a unanimous vote.

G. Financial Plan for 2010: The Financial Plan for 2010 was presented. Mr. Gorney stated that the changes from the original budget submission were lower depreciation due to retiming of spending, lower Leachate transportation costs and lower projected diesel costs. Action on the budget was deferred until the January 28th Regular Meeting.

H. Engagement Letter for Audit 2009: Mr. Gorney presented the Engagement Letter for the 2009 Audit, stating that the cost of the audit for 2009 will be \$54,000.00. The price is the same as 2008. Mr. Marroletti made a motion to retain the Auditors for 2009 as presented; Mr. Shirk seconded the motion. The motion was carried with a unanimous vote.

There being no further business, the meeting was adjourned at 7:19 p.m.

Prepared by,

Peggy A. Cunius