

**BOARD ACTION/DISCUSSION ITEMS  
FEBRUARY 2011 – APRIL 2011**

<b>PRIORITY*</b>	<b>PROJECT/ISSUE</b>	<b>TYPE OF ACTION</b>	<b>TIMING**</b>
<i>AS NEEDED</i>			
<b>H</b>	Update on wastewater treatment capacity evaluation/steering committee	Status Report	As needed
<b>H</b>	Acquisition/Growth Strategy Activities	Status Report/ Discussion/Approval	As needed
<b>H</b>	Flow Equalization Basin	Status Report	As needed
<i>WITHIN 45 DAYS</i>			
<b>H</b>	Vera Cruz Public Sewer Project <i>Project Authorization Construction, Contract Awards</i>	Approval	February (B)
<b>H</b>	IT Master Plan <i>Project Authorization, Professional Service Authorization</i>	Approval	February (B)
<b>H</b>	Knowledge Management <i>Project Authorization, Professional Service Authorization</i>	Approval	February (B)
<b>H</b>	GIS Mobile Technology <i>Project Authorization, Professional Service Authorization</i>	Approval	February (B)
<b>H</b>	WLI Operational Optimization <i>Project Authorization Professional Service Authorization</i>	Approval	February (B)
<b>H</b>	Western Weisenberg WTP <i>Project Authorization Construction, Contract Awards</i>	Approval	March (W/B)
<i>WITHIN 75 DAYS</i>			
<b>H</b>	LCA/COA Interconnection, Phase 2 <i>Project Authorization Construction, Contract Awards</i>	Approval	April (W /B)

**Upcoming Meeting Dates:**

**02/28** February Board Meeting  
**03/14** March Workshop Meeting

\* **H – High**  
**M – Medium**  
**L – Low**

\*\* **(W) – Workshop**  
**(B) – Board**  
**(W/B) - Either**

**LEHIGH COUNTY AUTHORITY**  
**WORKSHOP AGENDA**  
**Monday, February 14, 2010 – 12:00 PM**

**INITIAL ITEMS** *(Collectively 5 Minutes)*

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1. **Identify items for February Board Meeting**
  - Review Board Discussion items, February 2010 –April 2011

**ACTION/DISCUSSION ITEMS**

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1. **WTP Biogas Usage Evaluation** *(Discussion)*

CET Consulting has completed Phase I of the Energy study including an economic evaluation of the LCA WTP excess biogas production. The completed study includes a comparison of selling the excess biogas to Kraft Foods or utilizing the biogas on-site at the WTP. A summary of the study will be sent under separate cover prior to the Workshop.
2. **Wastewater Service Summary** *(Discussion)*

We will discuss the attached outline (**gold**) and discuss how we will approach the issues in the coming months.

**INFORMATION ITEMS**

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1. **Education and Training**

Doug Young	GFOA Municipal Debt Session – 2/25/11	\$20
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**OTHER ITEMS**

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***None.***

## **2011 Wastewater Service Summary**

### Primary Issues

- Short-term Treatment Allocation
- Wet Weather Conveyance Capacity
- Long-term Treatment Capacity

### Short-term Treatment Capacity

Goal: Obtain (lease, purchase, reallocate) treatment capacity so that the LCA service area will have 1.5 mgd available for the next 5 years.

Status: LCA has .475 mgd available from earlier capacity purchases from Allentown and has recently reduced residential and small commercial allocations to reflect lower flows, recapturing .417 mgd.

#### Actions:

1. Negotiate lease or purchase of capacity from another Allentown Signatory (Salisbury, South Whitehall, Coplay-Whitehall are likely candidates).
2. Negotiate lease/release of capacity by Western Lehigh (WL) industrial user (Samuel Adams is primary candidate).

#### Risks:

1. Reluctance of capacity holders to release capacity absent a crisis.

## Wet Weather Conveyance Capacity

Goal: Complete investigative phase of LCA Infiltration and Inflow (I/I) program (aka SCARP)

Status: EPA has ordered all of the entities using the Allentown Treatment Plant to eliminate sanitary sewer overflows (SSOs) by 2014. DEP has restricted connections in parts of the WL interceptor service area (largely, Upper Macungie-Fogelsville area). New connection approvals are allowed only to the extent that new capacity (facilities) is added to the WL system or that I/I is removed from the interceptor or the municipal collection systems. Approved connections prior to 2009 are allowed to continue to connect and/or use unutilized allocations. LCA has structured and is guiding a program (SCARP) to address I/I in both the LCA and municipal sewer systems. Some work has been undertaken by Allentown and other Signatories but the level of effort is inconsistent and lags behind the LCA area efforts. Allentown is also planning improvements to the treatment plant to address wet weather bypasses and is seeking EPA acceptance of those plans.

### Actions:

1. Continue SCARP efforts; maintain schedule.
2. Assist/urge others to undertake/enhance I/I removal efforts.

### Risks:

1. Owing to lack of efforts by other entities, EPA imposes an area wide moratorium on new connections.
2. Allentown does not proceed with or is unable to finance the improvements or I/I work.

## Long-term Treatment Capacity

Goal: Select preferred future treatment approach so that that detailed planning, design and approvals can proceed.

Status: LCA has evaluated options to provide future treatment capacity beyond the 40 mgd capacity of Allentown's treatment plant (KITP). That analysis identified four options for further review including expanding KITP, upgrading the Pretreatment Plant (PTP) to full treatment (2 options) and land application. LCA empanelled a steering committee to educate the community and obtain feedback on the alternatives.

Based on discussions with the Delaware River Basin Commission (DRBC), LCA updated cost estimates for the PTP options and has been waiting since October for revised estimates from the City for the KITP option.

### Actions:

1. Finalize updated cost estimates.
2. Complete land application feasibility study and review it with DEP and DRBC; determine whether DEP or DRBC will require land application.
3. Complete detailed analysis of life cycle costs for alternatives (or short list)
4. Reach agreement with Allentown on preferred alternative.
5. Assess pipeline capacity needed to transport wastewater to Allentown

### Risks:

1. No agreement with Allentown due to inaction or outright opposition to non-Allentown alternatives.
2. Lack of action or participation by Allentown on issues requiring their input.