

MEETING NOTES

Cumberland Habitat Conservation Plan Steering Committee
Crossville City Hall, 4th Floor Training Room
392 N. Main Street Crossville, TN
September 19, 2013

ATTENDEES

Name		Affiliation
Steve	Alexander	US Fish and Wildlife Service
Clark	Annis	Crossville Wastewater Treatment Plant
Eric	Brady	City of Crossville
Dr. Chris	Burcher	CHCP Team (UT)
Karina	Bynum	Tennessee Dept. of Environment and Conservation
Kevin	Dean	City of Crossville
Barry	Field	Field Engineering
Mayor J. H.	Graham	Mayor of Crossville
Dr. Jerry	Hardin	Emory River Watershed
Pam	Harris	Field Engineering
Katherine	Medlock	The Nature Conservancy
Shelley	Miller	CHCP Team (UT)
Teresa	Payne	CHCP Team (UT)
Dr. Daniel	Reed	CHCP Team (UT)
David	Rutherford	City Manager of Crossville
Peggy	Shute	US Fish and Wildlife Service
Sarah	Sorenson	US Fish and Wildlife Service
Gay	Stewart	Home Builders Association of Cumberland County

MEETING GOALS

- Provide Steering Committee (SC) general updates on the CHCP
- Describe the CHCP Document Review Process
- Briefly review the CHCP and the Crossville Waste Water Treatment Plant (WWTP)
- Field Trip to the Crossville WWTP, by Clark Annis (*Veolia Water North America*)

WELCOME AND INTRODUCTIONS

- Teresa Payne (CHCP Team) welcomed all attendees and reviewed the purpose of the meeting.

General HCP Update

Presented by Teresa Payne, CHCP Project & Outreach Manager

Teresa Payne (CHCP Team) updated the Steering Committee regarding work that has been accomplished.

Highlights:

Outreach Update:

Teresa Payne provided a list and brief description of CHCP participation in recent Outreach Events within the community.

- Mayor's Sustainability Fair-3rd year
- Pleasant Hill Festival-2nd year
- Waterfest-2nd year
- Cumberland County Fair -2nd year

Project Progress Update:

Teresa Payne informed the committee that a number of chapters have been submitted to the local USFWS office. These chapters are undergoing varying levels of review to date:

- Introduction
- Background
- Purpose & Need
- Environmental Settings
- Covered Activities
- Covered Species
- Impact Assessment (Take)
- Cumulative Impacts
- Changed & Unforeseen Circumstances

She described that the following chapters are under construction by CHCP Staff:

- Adaptive Management
- Monitoring
- Meadow Park Dam Expansion
- Crossville WWTP coverage
- Mitigation

She continued to list the components of the CHCP that remain to be drafted. These include the following:

- Implementation Plan
- Funding Plan
- Deliverables to Applicants
 - Database for assessments
 - Environmental Manual

Document Review Process:

In an effort to describe the various steps taken by CHCP Staff during document drafting, Teresa Payne provided a graphic to illustrate the CHCP Document Review Process. The graphic described the stages of document development, integration of special committees, and review by the local USFWS office in Cookeville.

CHCP and the Crossville WWTP

Presented by Dr. Chris Burcher, CHCP Science Coordinator

Clark Annis, Project Manager, Veolia Water North America

Highlights:

In preparation for the field trip to the WWTP, Dr. Chris Burcher (CHCP Team) reminded committee members that the WWTP expansion is included as a Covered Activity under the CHCP. He explained that according to recent analyses that the “take” model predicted no take for this activity. Dr. Burcher discussed the monitoring and adaptive management approach for this activity and described that no additional conservation measures would be required for the WWTP.

Mayor Graham asked Dr. Burcher if he had considered installing a monitoring station downstream of the WWTP to assist with future adaptive management strategies. Dr. Burcher expressed an interest in exploring the possibility of adding a sampling site downstream of the WWTP in coordination with WWTP Staff. Clark Annis, WWTP Project Manager, suggested that the Plant may have existing infrastructure to utilize so as to minimize any costs associated with adding a monitoring station.

Dr. Burcher deferred to Clark Annis to provide a brief introduction to the WWTP prior to the field trip. Clark Annis described the importance of long-term planning for the WWTP and future growth of the community. He explained that although perceptions of WWTPs are generally negative, the WWTP staff serves to protect the whole community and balance environmental needs with industrial growth and recreational activities. He discussed the challenges of operating a WWTP, such as: always being on call, issues with power outages, seasonal flow and load changes, and profitability. Clark Annis continued to explain how the WWTP and coordinating industries go above and beyond requirements such as: WWTP water reuse system, UV disinfection system, vortex system to reduce odor, bio-solids program, and industrial pre-treatment programs.

Karina Bynum, of Tennessee Department of Environment and Conservation (TDEC), expressed her support of the upgrades and outputs of the Crossville WWTP.

Dr. Jerry Hardin, of the Emory River Watershed, thanked Clark Annis and the City of Crossville for their efforts to improve water quality outputs and its positive impact on the Emory River.

Mayor Graham reminded committee members that Crossville City Council successfully passed a policy to support industries wishing to pre-treat wastewater, such as land leases for pre-treatment facilities.

Clark Annis provided Flowers Bakery as an example of an industry utilizing this policy. He stated that the City of Crossville has granted the Bakery a 100-year lease for \$1 to pre-treat their waste and blend the biosolids with those of the WWTP.

At the end of the discussion, Teresa Payne thanked all attendees for coming to the meeting and asked that Clark Annis lead attendees to the WWTP for the field trip.

Field Trip to the WWTP:

Clark Annis, Project Manager, Veolia Water North America

Meeting attendees traveled from Crossville City Hall to the WWTP. Clark Annis provided a tour of the grounds from the headworks to the biological unit, and on to the settling units. He also displayed the UV disinfection system as part of the tour. Attendees walked from the main portion of the Plant to the area where biosolids from the Flower's Bakery and the WWTP are mixed together. The tour was concluded along the banks of the Obed River behind the WWTP where Clark Annis shared his motivation for providing the cleanest outputs possible.

ADJOURN

Future SC Meetings are TBD. Members will be notified by email regarding future meetings.