

Walnut Basin Advisory Committee

The Ridge Restaurant
3727 Quail Ridge Rd., Winfield, KS

5:30 p.m. for dinner; BAC meeting starts at 6:30 p.m.

DRAFT AGENDA

1. Welcome and Introductions
2. Agency Reports
3. Public Comments
4. BAC Business
 - a. Approval of October Meeting Notes
 - b. Member Constituency Report
 - c. Water Issues Forum Follow Up Discussion
5. Kansas Water Authority Update
 - a. Reservoir Roadmap
 - b. Chairs meeting report
 - c. Legislative visit tools – Annual Report, Status Report
 - d. Legislative contacts
6. Legislative Update
 - a. DWR Report
 - b. Post Audit
7. Regional Planning for Urbanization Discussion
 - a. Report from REAP
 - b. Natural Resource Inventory
8. Enhanced Stream Corridor Management and Wetland Protection for Reservoir Sustainability - Policy Implementation
9. Other Business
 - a. Messages to the Kansas Water Authority
 - b. Kansas Water Authority meeting: May 13, 14 – Wichita
 - c. Next BAC meeting – Between June 21 and July 2
10. Adjourn

Note underlined items are action items for BAC.



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NEWS RELEASE

FOR IMMEDIATE RELEASE

February 17, 2010

Walnut Basin Advisory Committee
6:30 p.m., Wednesday, March 3, 2010
(Dutch treat dinner at the Restaurant at 5:30 p.m.)
The Ridge Restaurant
3727 Quail Ridge Rd., Winfield, KS

The Walnut Basin Advisory Committee (BAC) will meet at 6:30 p.m. Wednesday, March 3, 2010 at the Ridge Restaurant, 3727 Quail Ridge Rd., in Winfield, Kansas. A Dutch treat meal is planned at 5:30 p.m. at the restaurant. Committee members will have the opportunity to discuss the current state of water resources in Kansas and the status of projects funded by the State Water Plan Fund. Copies of the Kansas Water Authority's "2010 Report to the Governor and Kansas Legislature" and the "2010 Status Report," available on the Kansas Water Office web site, will be the focal points of the discussion.

Walnut BAC committee members also will receive an update on 2010 water resource legislation before the Kansas Legislature and proposed changes to the Kansas Water Appropriation Act proposed by the Kansas Department of Agriculture's Division of Water Resources. The changes include adding water conservation as a beneficial use for holders of a water right and removal of water diversion as a necessary requirement to secure and retain a water right. The Water Appropriation Act provides the basic framework for water law in Kansas.

In 2008, the Walnut BAC identified priority water issues to be addressed in the Walnut River basin. They were incorporated into the *Kansas Water Plan* in 2009. The Walnut BAC priority issues include *Regional Planning for Urbanization*. The Regional Economic Area Partnership has partnered with the Kansas Water Office to retain a graduate student from the University of Kansas to develop a geographic information system database to provide information on the natural resources of the region. It is anticipated that this database will be useful in planning for future regional growth and development, especially related to public water supplies. An update will be provided on progress in developing the Regional Planning for Urbanization Geographic Information System database.

The Walnut BAC is one of 12 such river basin advisory groups in Kansas. They serve as a forum for water resource issues and provide advice to the Kansas Water Authority. The 24-member Kansas Water Authority and the Kansas Water Office work in concert to advise the Governor and the Kansas Legislature on water resource policy. Authority members include citizens who represent the state's diverse water resource interests and representatives of the state's water resource agencies who serve as ex officio members.

For an agenda or more information, please refer to the Kansas Water Office web page www.kwo.org or call (785) 296-3185 or toll-free at (888) KAN-WATER (526-9283). If accommodations are needed for persons with disabilities, please notify the Kansas Water Office at 901 S. Kansas Avenue, Topeka, KS 66612-1249 or call the numbers listed at least two days prior to the meeting.

STATE WATER PLAN CONTAMINATION REMEDIATION PROGRAM

PROGRAM INFORMATION

Walnut River Basin

INTRODUCTION

The State Water Plan Contamination Remediation Program (SWPCRP) provides funding for the evaluation, monitoring, and remediation of contaminated ground or surface water sites and contamination source areas in the State of Kansas, where the responsible party is unknown or is unable or unwilling to undertake the necessary action. The program also provides funding to supply alternate water sources as an emergency response action to residences with contaminated drinking water sources. The SWPCRP was developed with the specific objective of providing a mechanism to address sites which for one reason or another fall outside the parameters of other programs. These sites, referred to as orphan sites, generally do not have federal, state, or other funding sources available for investigation and cleanup activities. The program is designed as a mechanism to balance the need to hold parties accountable for the cost of investigation and remediation of contamination they have caused, while avoiding pointless delays and further environmental damage when no responsible party can be found, or when such parties are recalcitrant and uncooperative.

Upon the addition of a contaminated site to the program, SWPCRP staff review available information about the site and evaluate the problem to determine the existence of contamination, the presence of affected or potentially affected health and environmental receptors, the source of the pollution, and the priority of the contaminated site based on the site's score on the Contaminated Sites Ranking System. If no previous investigation has been conducted, investigation may be necessary to obtain enough information to rank the site. Depending on the level of threat the site poses to the public, the contaminated site may be placed in a long-term monitoring (LTM) program, or proceed through one or more investigative phases which may result in a remedial action. SWPCRP funds may be used to determine sources of contamination, identify responsible parties, take legal or administrative actions tied to sites where SWPCRP funds have been expended, seek cost recovery from responsible parties for funds expended by the program on a site, and for administration of the program.

PROGRAM ACCOMPLISHMENTS FOR 2009

Program efforts are focused on characterizing contamination problems, identifying PRPs, evaluating the risk to human health and the environment associated with the contamination, and remediation through cleanup or institutional controls. The majority of the program's sites are being addressed in response to groundwater impacts which have affected or threaten public and/or private drinking water wells. There are 82 sites currently in the program.

Sites within the program continue to make progress beyond investigative stages and toward remediation. Nine of the program's 82 sites are in some phase of remediation or are waiting on funding for these activities. Sites are prioritized with a scoring system based on health risk to identify sites requiring immediate attention. Further, the scoring system provides a financial management tool to ensure funds are available for continuing investigations and cleanup evaluations, while allowing funding for more cost-intensive cleanup activities. Due to funding limitations, there are a number of sites awaiting remedial action.

Additional investigation activities were conducted at several sites this year. The purpose of the site investigations was to:

- identify potential source areas,
- provide additional data to help delineate a plume,
- establish additional groundwater data to better characterize the hydrogeology of the

- aquifer, and/or
- define the vertical and horizontal extent of contamination to establish a waste volume for proposal of a cap design.

Additional investigation activities were conducted at the Bendena RWD #2 PWS Well #1, Cherokee Mining and Smelting, Garden City VOCs, HABIT, Kanotex Refinery, McPherson PWS #4, Paris Corp, Railroad Men's Refinery, Reliance Refining Company, Salina PWS Well #11, St. Louis Oil and Refining Company, Sunflower Refinery, and Uncle Sam Oil Refinery– Cherryvale sites.

Three new sites, Kent Loesch Property, McPherson PWS #4, and Selden Carbon Tetrachloride, were added to the program in 2009.

One site was removed from the program in 2009. The St. Louis Oil and Refining Company site was removed after a Phase II investigation identified an absence of significant contamination and risk.

Two sites were resolved from the program in 2009. The Avery Hydraulic Jack and Stewart Property sites were both adequately remediated by soil removal activities and subsequently removed from the SWPCRP program.

Railroad Men's Refinery, El Dorado, KS:

In July 2009 the SWPCRP conducted a Phase II FFRA site investigation. Soil, groundwater, sediment, and surface water samples were collected and analyzed for Polynuclear Aromatic Hydrocarbons (PAHs), Total Petroleum Hydrocarbons-Gasoline Range Organics (TPH-GRO), Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), metals, and/or Volatile Organic Compounds (VOCs). No contaminant impacts were identified in soil, sediment, or surface water samples. TPH-DRO was identified in one groundwater sample at a concentration exceeding the Risk Based Standards for Kansas (RSK) level. A groundwater sample collected from a nearby domestic well indicated a TPH-DRO concentration slightly below the KDHE RSK level. KDHE has proposed additional groundwater sampling to delineate the extent of TPH-DRO contamination. The additional groundwater investigation is planned for early 2010.

Reliance Refining Company, El Dorado, KS:

In July 2009 the SWPCRP conducted at Phase II FFRA site investigation. Extensive soil and groundwater sampling for PAHs, TPH-GRO, TPH-DRO, metals, and/or VOCs was conducted in an area now occupied by residential properties. TPH-GRO, TPH-DRO, PAHs, and metals were detected in groundwater at concentrations exceeding KDHE RSK levels. The Reliance Refining Company site is located downgradient of other refinery operations that may be contributing to the groundwater contamination. The SWPCRP is currently conducting research and investigation to determine if groundwater contamination is attributable to off-site sources, operations of the Former Reliance Refinery, or both.

Refineries

Several refineries across the state were identified in the fall of 2005 through historical reviews and reconnaissance activities. Historical records indicate these facilities generally operated between 1900 and 1940. KDHE delegated State Water Plan funds to assess site conditions and associated human health and environmental risks. In addition, assessment activities include owner/operator research to evaluate PRPs for any identified contamination.

Phase I FFRA's were completed in 2006 and 2007. Phase II assessment activities were recommended at several of the former refineries. In an effort to conduct Phase II FFRA's in a cost effective manner, KDHE plans to complete a limited number each year based on a ranked priority list developed by KDHE.

Site Name: Lakeside Refinery Company (Former)

Location: Augusta, Butler County

Potential Contamination: Refinery waste including polynuclear aromatic hydrocarbons

KDHE District: South Central, Wichita

Status: Investigation

December 2009 Update: Work was not conducted at the Former Lakeside Refinery Company site in 2009. A Phase II FFRA may be performed in 2010.

Site Name: Railroad Men's Refinery (Former)

(a.k.a. Tri-State Oil & Refining Company (Former))

Location: El Dorado, Butler County

Potential Contamination: Refinery waste including polynuclear aromatic hydrocarbons

KDHE District: South Central, Wichita

Status: Investigation

December 2009 Update: A Phase II FFRA site investigation was conducted at the Former Railroad Men's Refinery site in July 2009. TPH-DRO was detected in groundwater samples at concentrations exceeding KDHE RSK levels. KDHE has proposed additional groundwater sampling to delineate the extent of impact. The additional groundwater investigation is planned for early 2010.

Site Name: Reliance Refining Company (Former)

Location: El Dorado, Butler County

Potential Contamination: Refinery waste including polynuclear aromatic hydrocarbons

KDHE District: South Central, Wichita

Status: Investigation

December 2009 Update: A Phase II FFRA site investigation was conducted at the Former Reliance Refining Company site in July 2009. TPH-GRO, TPH-DRO, PAHs, and metals were detected in groundwater samples at concentrations exceeding KDHE RSK levels. KDHE is currently conducting an investigation to determine if groundwater contamination is attributable to off-site sources, operations of the Former Reliance Refinery, or both.

Site Name: St. Louis Oil and Refining (Former)

Location: El Dorado, Butler County

Potential Contamination: Refinery waste including polynuclear aromatic hydrocarbons

KDHE District: South Central, Wichita

Status: Removed

December 2009 Update: A Phase II FFRA site investigation was conducted at the Former St. Louis Oil and Refining site in July 2009. No contamination impacts were identified at the site. Therefore, in October 2009 the site was recommended for removal from the SWPCRP program. The recommendation was approved and the site was classified as resolved on November 12th, 2009.

Site Name: Walnut River Refinery (Former)

Location: Augusta, Butler County

Potential Contamination: Refinery waste including polynuclear aromatic hydrocarbons

KDHE District: South Central, Wichita

Status: Investigation

December 2009 Update: Work was not conducted at the Former Walnut River Refinery site in 2009. A Phase II FFRA may be performed in 2010.

LIST OF ACRONYMS

AST Aboveground Storage Tank
BER Bureau of Environmental Remediation
BOW Bureau of Water
BTEX Benzene, Toluene, Ethylbenzene, Xylene
CA Contamination Assessment
CAP Corrective Action Plan
CAS Corrective Action Study
1,1-DCE 1,1-dichloroethylene
1,2-DCA 1,2-dichloroethane
EUC Environmental Use Control
EDB Ethylene Dibromide
EPA U.S. Environmental Protection Agency
FFRA Focused Former Refinery Assessment
FFSA Focused Former Smelter Assessment
FMGP Former Manufactured Gas Plant
FUDS Formerly Utilized Defense Sites
KDHE Kansas Department of Health and Environment
KSBA Kansas Board of Agriculture
LTM Long-Term Monitoring
MCL Maximum Contaminant Level
PAHs Polynuclear Aromatic Hydrocarbons
PCE Tetrachloroethylene
ppb Parts per billion
ppm Parts per million
PRP Potentially Responsible Party
PSE Preliminary Site Evaluation
PWS Public Water Supply
RSK Risk Based Standards for Kansas
RWD Rural Water District
SI Supplemental Investigation
SMCL Secondary Maximum Contaminant Level
SSE Supplemental Sampling Event
SSI Supplemental Site Inspection
SVOCs Semi-Volatile Organic Chemicals
SWPCRP State Water Plan Contamination Remediation Program
TCE Trichloroethylene
TPH Total Petroleum Hydrocarbons
TPH-DRO Total Petroleum Hydrocarbons-Diesel Range Organics
TPH-GRO Total Petroleum Hydrocarbons-Gasoline Range Organics
USDA United States Department of Agriculture
USDA/CCC United States Department of Agriculture/Commodity Credit Corporation
UST Underground Storage Tank
VCPRP Voluntary Cleanup and Property Redevelopment Program
VOC Volatile Organic Compounds