

PLEASE NOTIFY ACOG AT 234-2264 (TDD 234-2217) BY 5:00 P.M. SEPT 27  
IF YOU DESIRE A SIGN-LANGUAGE INTERPRETER AT THE MEETING



*association of central oklahoma governments  
Garber-Wellington Association*

Chair Marsha Jefferson  
Spencer Mayor

Vice-Chair Sandra Gragg Naifeh  
Edmond Mayor

Secretary/Treasurer John Brown  
Piedmont Councilmember

Executive Director  
Zach D. Taylor

## AGENDA

**GARBER-WELLINGTON ASSOCIATION  
POLICY COMMITTEE  
September 30, 2004 (Thursday) 2:30 P.M.  
(or immediately following the ACOG Board of Director's Meeting)**

ACOG CONFERENCE ROOM  
21 EAST MAIN, SUITE 100, OKLAHOMA CITY, OKLAHOMA

- I. CALL TO ORDER - Roll Call
- II. INTRODUCTION OF GUESTS
- III. APPROVAL OF MINUTES ([Attachment III](#))

**Action Requested:** Motion to approve minutes of the June 24, 2004 meeting.

IV. STAFF REPORT

A. Update on Stormwater Public Education Program for Phase II Communities -ACOG is making significant progress on a regional public education campaign for stormwater. A media program is scheduled to coincide with the rainy season in spring 2005. A brochure is being developed, along with a radio and television public service announcement. ([Attachment IV-A](#))

**Action Requested:** None. For information only.

B. Draft Report North Canadian TMDL Report – A draft TMDL has been sent to DEQ as a result of the summer 2003 pathogen sampling program. A short presentation of the report findings will be given. ([Attachment IV-B](#))

**Action Requested:** None. For information only.

V. PROGRESS REPORT ([Attachment V](#))

VI. NEW BUSINESS

VII. ADJOURNMENT

MINUTES

GARBER-WELLINGTON ASSOCIATION  
POLICY COMMITTEE MEETING

June 24, 2004

The fifth regularly scheduled meeting of the Garber-Wellington Association Policy Committee for the calendar year 2004 was convened on June 24, 2004 in the Association of Central Oklahoma Governments (ACOG) Board Room, 21 E. Main Street, Suite 100, Oklahoma City, Oklahoma. The meeting was held as indicated by advance notice filed with the Oklahoma County Clerk and by notice posted at the ACOG offices at least twenty-four hours prior to the meeting.

PRESIDING

CITY/AGENCY

Hon. Marsha Jefferson, Mayor

Spencer

POLICY COMMITTEE MEMBERS PRESENT

Hon. Grant Hedrick, Commissioner	Canadian County
Hon. Roger Malone, Councilmember	Choctaw
Hon. Paula Sanford, Councilmember	Edmond
Hon. Debbie Harrison, Councilmember	El Reno
Hon. Mark Sharpton, Commissioner	Logan County
Hon. Kathy Walker, Councilmember	Nichols Hills
Hon. David Hopper, Councilmember	Norman
Hon. Willa Johnson, Councilmember	Oklahoma City
Hon. John Brown, Councilmember	Piedmont
Hon. Ron Bledsoe, Mayor	Slaughterville
Hon. Larry Kesler, Councilmember	Union City
Hon. Scott Symes, Councilmember	The Village
Hon. Leslie Owens, Councilmember	Warr Acres

GUESTS PRESENT

Hon. Don Griffin, Mayor	Choctaw
Bill Knox, Special Projects Officer	Harrah
Heidi Centrella	Journal-Record
Mary Murphey, Administrative Assistant	Logan County
Joe-Guy Burkett, Town Clerk/Treasurer	Luther

ACOG STAFF PRESENT

POSITION

Zach D. Taylor	Executive Director
John M. Harrington	Division Director, Water Resources
Debbie Cook	Director of Finance and Budget
Don Bown	Consultant
John G. Johnson	Consultant
Doug Rex	Assistant to the Executive Director
Jerry Church	Special Projects Officer
Ellen Owens	Department Secretary, Water Resources

I. CALL TO ORDER

Chairperson Marsha Jefferson called the meeting to order at 3:07 p.m., noting that a quorum was present.

II. INTRODUCTION OF GUESTS

The aforementioned guests were present at the meeting.

III. APPROVAL OF MINUTES

Director Brown made a motion to approve the minutes of the May 27, 2004 meeting. The motion was seconded by Director Bledsoe and carried with the following vote:

AYE: Jefferson, Hedrick, Malone, Sanford, Harrison, Sharpton, Walker, Hopper, Johnson, Brown, Bledsoe, Kesler, Symes, and Owens

NAY: None

ABSTAIN: None

IV. STAFF REPORT

A. The Thunderhead Hills Resistivity Project

John Harrington discussed the upcoming project on salt-water contamination sites in northern Oklahoma County, which will be a joint project with the Groundwater Protection Council. He showed Committee Members a map of northern Oklahoma County, indicating the areas where there appears to be salt contamination in the Aquifer. He said this information has either been through water quality analysis or, in some cases, is anecdotal. The problem is finding where the salt is coming from and how extensive the

contamination is. The technology has started to accrue to where we can find that information. Mr. Harrington mentioned upgrading the resistivity unit to a dipole-dipole unit, which will give a view of a slice through the earth of the electrical properties of the rock including whether or not there is salt water in the ground. He pointed out Thunderhead Hills on Coltrane Rd. and Hwy. 66 where there are areas of unitized water floods, where water can be injected into an old oil and gas field in hopes of stimulating production. Thunderhead Hills is in the middle of a unitized water flood, about 160 acres. Mr. Harrington said that in 1999, he went with the Oklahoma Corporation Commission to that area and sampled a number of wells and found contamination. It is assumed that the source of the contamination is from somewhere to the north of that addition where there are no wells. John Brown asked if the contamination is actually in the Aquifer. Mr. Harrington replied that it is and said he thinks the contamination is a recent event.

Mr. Harrington showed the area of contamination on the map from an aerial point of view. He said the contaminated wells are domestic wells and that no municipal wells are involved.

Mr. Harrington said that the resistivity machine plots out a cross section of the electrical properties of the ground at a depth of about 150 feet deep plugging into various mathematical formulas of what the resistivity of the rocks is and what the resistivity of the salt water will be.

He showed the City of Edmond and northern Oklahoma County, as well as Lake Arcadia and Lake Hefner where there are oil and gas wells that were drilled before 1950. He said the west Edmond oilfield was drilled in 1943 when all the good metal was going to the war effort. He indicated that he expects a lot more development in the Thunderhead Hills area. He said the 319 Grant will allow us to start delineating some of these areas and also try to find sources of contamination. If a source is found, then some of those wells can be rehabilitated.

Leslie Owens asked about the ramifications of building in that area. Mr. Harrington said it could go a number of ways. The developer could be sued if they knew there was salt water there to begin with. He said sometimes a house goes up before the well gets drilled. There have been places where salt water injection wells were located after the addition went up and there was a leaky salt water injection system that contaminated it. Mr. Harrington said the municipalities in Thunderhead Hills are on the eastern edge of the City of Edmond's municipal well field and indicated that the City was actually looking at a piece of acreage which had salt water land on it. They may need some additional information to determine whether or not they will have salt water in their wells.

#### B. The Annual Summer Forecast

Mr. Harrington showed the Committee Members a graph of the five year average of the annual rainfall. He said the graph shows that drought years do not occur just once, but are clumped together. The last 20 years have had extremely wet conditions; however, this year has been an average rainfall year. Mr. Harrington commented that central Oklahoma is

around 73% of normal. He said we have not had a hard drought but there has been a steady less than 100% of what is normal over the last year or so. We had the second driest May on record, but precipitation over the summer will be normal.

Director Kesler commented that Mr. Harrington does a lot of work for Oklahoma County and asked about the other counties surrounding it. He said the Garber Wellington Aquifer goes into eastern Canadian County. Mr. Harrington replied that the Aquifer does not go into eastern Canadian County. He said the formation does, but the Aquifer does not, that it stops on the county line. Mr. Harrington said he has done some work in El Reno and has done some exploratory resistivity work by Union City.

V. Progress Report

There was no discussion of the Progress Report.

VI. New Business

No new business was discussed at the meeting.

VII. Adjournment

Director Bledsoe made a motion to adjourn the meeting. Director Brown seconded the motion and the meeting adjourned at 3:30 p.m.

## MEMORANDUM

**DATE:** September 23, 2004

**TO:** Garber-Wellington Policy Committee

**FROM:** Jerry Church, Special Programs Officer

**SUBJECT:** Update on Stormwater Public Education Program for Phase II Communities

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ACOG is making significant progress on materials that will comprise a regional public education campaign for stormwater. A media program is scheduled to coincide with the rainy season in spring 2005. A brochure is being developed, along with a radio and television public service announcement. All three items promote good discretionary habits that citizens can adopt to prevent stormwater pollution.

One of the primary minimum control measures that the Environmental Protection Agency requires regarding EPA Phase II municipal stormwater regulations is public education and outreach. With 21 Phase II communities in the Central Oklahoma region, ACOG is planning on developing a public education and outreach program that will fulfill this requirement. The regional approach will assist communities that may not have the time or resources to properly implement an effective program on their own.

Funding for the project comes from an EPA grant that is jointly shared by Indian Nations Council of Governments, the Oklahoma Department of Environmental Quality and ACOG. ACOG will serve as a project administrator for the Central Oklahoma region.

## MEMORANDUM

**DATE:** Thursday, September 23, 2004  
**TO:** Garber-Wellington Policy Committee  
**FROM:** John Harrington, Director, Water Resources  
**SUBJECT:** Draft Pathogen TMDL

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The North Canadian River is in violation of Oklahoma Water Quality Standards with respect to pathogens. Samples taken from eight stations during summer 2003 along a reach from El Reno to Dale, Oklahoma showed repeated violations with respect to §785:45-5-16. Primary Body Contact Recreation. This verifies the 303-(d) pathogen listing.

Calculations utilizing load-duration curves show that the assimilative capacity of the river has been exceeded, in some areas by two orders of magnitude. The calculations show a strong nonpoint source component.

Education is a huge priority – the population must understand the impact of nonpoint sources in the North Canadian River. The Phase II stormwater educational components can be a significant start to address this problem. The health issue must be made clear to the part of the population that uses this waterbody for recreation.

## MEMORANDUM

**DATE:** Thursday, September 23, 2004  
**TO:** Garber-Wellington Policy Committee  
**FROM:** John Harrington, Director, Water Resources  
**SUBJECT:** Progress Report

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Draft TMDL report was sent to the Oklahoma DEQ on August 31. Review and comments are being received.

Staff attended and made presentations at the Oklahoma Floodplain Manager's conference in Wagoner, OK. Staff also participated in the state H2O Festival in Foss, Oklahoma and made presentations to the American Society Of Mechanical Engineers.

Phase I arsenic study has completed cross-sections and several maps of the lower arsenic-rich Wellington Formation are being drafted.

A geochemical model for a North Canadian DO model is currently in preparation. Garber-Wellington databases are also being updated to reflect new oil and gas well information.