



*association of central oklahoma governments  
Garber-Wellington Association*

Chair John Brown  
Piedmont Councilmember

Vice-Chair Jim Pumphrey  
Nicoma Park Councilmember

Secretary/Treasurer Russell Smith  
Midwest City Mayor

Executive Director  
John G. Johnson

## AGENDA

**GARBER-WELLINGTON ASSOCIATION  
POLICY COMMITTEE  
June 26, 2008 (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 April 24, 2008 meeting.

IV. STAFF REPORT

**A. Update on State Water Plan and the Garber-Wellington yield study.**

Staff will give a quick update on the progress of these OWRB projects.

**Action Requested:** None, for information only.

**B. Update on Legislative Actions.**

Staff will give a quick update on the status of water legislation in the 2008 legislative session.

**Action Requested:** None, for information only.

**C. Update on Canadian River Project.**

Staff will give a quick update on the status of the Canadian River wasteload allocation project.

**Action Requested:** None, for information only.

**D. Update on Drought Status in Oklahoma**

Staff will give a quick update on the summer ahead.

**Action Requested:** None, for information only.

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

VI. NEW BUSINESS

VII. ADJOURNMENT

## MINUTES

GARBER-WELLINGTON ASSOCIATION  
POLICY COMMITTEE

April 24, 2008

The fourth regularly scheduled meeting of the Garber-Wellington Policy Committee for the calendar year 2008 was convened on April 24, 2008 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

Hon. John Brown, Councilmember

CITY/AGENCY

Piedmont

POLICY COMMITTEE PRESENT

Hon. Grant Hedrick, Jr., Commissioner	Canadian County
Hon. Roger Malone, Councilmember	Choctaw
Hon. Ken Bartlett, Councilmember	Del City
Hon. Dan O'Neil, Mayor	Edmond
Hon. Chuck Burtcher, Mayor	Guthrie
Hon. Bill Lisby, Councilmember	Harrah
Hon. Ray Poland, Councilmember	Jones City
Hon. Mark Sharpton, Commissioner	Logan County
Hon. Margaret Graham, Councilmember	Luther
Hon. Russell Smith, Mayor	Midwest City
Hon. Keith Bryan, Councilmember	Mustang
Hon. Kathy Walker, Councilmember	Nichols Hills
Hon. Jim Pumphrey, Mayor	Nicoma Park
Hon. David Hopper, Councilmember	Norman
Hon. Sam Bowman, Councilmember	Oklahoma City
Hon. Scott Symes, Mayor	The Village
Hon. Larry Kesler, Councilmember	Union City
Hon. Dean Johnson, Councilmember	Warr Acres

GUESTS

Maxine Pruitt, Municipal Services Director	Guthrie
Mary Murphey, Administrative Assistant	Logan County Commissioner's Office
Louis Smitherman, City Manager	Spencer

ACOG STAFF PRESENT

POSITION

John G. Johnson	Executive Director
John M. Harrington	Division Director, Water Resources
Don Bown	Counsel
Doug Rex	Division Director, TPDS
Debbie Cook	Director of Finance and Budget
Jerry Church	Communications Program Coordinator, IGS
Ellen Owens	Division Secretary, Water Resources

I. CALL TO ORDER

Director Brown called the meeting to order at 2:45 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 Pumphrey made a motion to approve the minutes of the March 27, 2008 meeting. Director Kesler seconded the motion and the motion carried with the following vote:

AYE: Brown, Hedrick, Malone, Bartlett, O'Neil, Burtcher, Lisby, Poland, Sharpton, Graham, Smith, Bryan, Walker, Pumphrey, Hopper, Bowman, Symes, Kesler, and Johnson.

NAY: None

ABSTAIN: None

IV. STAFF REPORT

Mr. Harrington informed the Committee that he has been examining nitrate concentrations in well water. He said that over the last twenty years, the Garber-Wellington Association has collected a lot of water quality data. He also said that the Safe Drinking Water Act mandated that the Oklahoma Department of Environmental Quality (ODEQ) start collecting this data from public water supplies. He remarked that while studying ACOG's and ODEQ's databases, he found there were about 5,000 water quality samples on the aquifer. Mr. Harrington displayed an aquifer map and indicated where nitrate samples were located. He said there was a fairly good distribution but more in the populated areas such as Midwest City and Norman.

Mr. Harrington indicated that groundwater scientists generally use logs of the nitrate concentrations and not the concentrations themselves because the concentrations define

what is called log normal distributions. He said he sorted everything based on the geology of Duncan sandstone, Garber sandstone, Hennessey shale, and the Wellington formation. He said that the distribution for Garber sandstone resembled the distribution for the Wellington formation and also that the geology that has the best septic tanks is the Hennessey shale. Mr. Harrington commented that the Duncan sandstone in Canadian County has almost 50% of the nitrate samples that are above the mcl.

Mr. Harrington said that in central Oklahoma there are 140 different soil types which may or not be equivalent from one county to the next. He indicated that some soil types have median concentrations of nitrates that are much higher than other soils.

Mr. Harrington spoke about census blocks indicating that he took the density according to census block, divided by 2.5 people per lot and then calculated what the lot size would be in acres. He said that with a lot size of eight to ten acres, there is a narrow distribution, but the variability begins to increase at six to seven acres and then begins to decrease at five acres. He said that nitrate issues arise at lot sizes of about two acres.

Mr. Harrington said he will be generating a map of nitrate vulnerability based on a scoring system using land use, soil, geology, and population density and this will be useful as a planning tool for people doing plat work.

V. PROGRESS REPORT

There was no discussion of the Progress Report at the meeting.

VI. NEW BUSINESS

Director Hopper asked for information about the Canadian River Wasteload Project. Mr. Harrington informed the Committee that the consultant for the project has been selected and ACOG is now trying to negotiate in terms of the planning scope and also negotiating the budget for the project. He said that the Project planning group has been discussing how to divide up the cost among the involved cities. He indicated that it was decided to split the project up into two years and that the actual sampling event that will take place in July 2009. He said the project will extend from Minco to Purcell.

VII. ADJOURNMENT

Director Brown made a motion to adjourn the meeting. Commissioner Sharpton seconded the motion, and the meeting adjourned at 3:05 p.m.

## MEMORANDUM

**TO:** Garber-Wellington Policy Committee  
**FROM:** John M. Harrington, Division Director, Water Resources  
**DATE:** June 20, 2008  
**SUBJECT:** Progress Report

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### 079007 - Canadian River DO Model

Meeting on June 13 reviewed and finalized the Scope of Work for Guernsey (consultant). The Canadian River project will be spread over two years and two phases. Phase I will be funded in 2008-09 and will cover preparatory work and project design for Phase II (collection and analysis). Contracts are being reviewed at present.

### 05604(b) - Impact Of Domestic Septic Tanks

Linkage to census data complete. Review of soil data continuing— statistical models are being developed.

### 079005 - Garber-Wellington Yield Study

Staff is working with OWRB and USGS on proposed yield study project on the Garber-Wellington aquifer. First technical meeting on May 8 was very positive – OWRB is contributing \$100K and USGS is contributing \$75K. Data exchange is progressing; ftp site is up (<ftp://204.87.111.53/>). USGS may also have about \$80K for water quality work if local governments can find a match.

### 09604(b) - Cross-Section Work in Central Oklahoma

Workplans for new 604(b) projects were accepted for review by OSE and EPA.

### 06604(b) - Modeling Assessment of Nichols Hills Well Field

Reviewing comments on QAPP; will need to resubmit. EPA requesting more information on modeling parameters.

### 07604(b) 3 - El Reno Wellfield Resistivity Survey

Working on QAPP – revising according to EPA suggestions. May have to prepare a SOP for resistivity work to satisfy EPA concerns.