

PLEASE NOTIFY ACOG AT 234-2264 (TDD 234-2217) BY 5:00 P.M. APR 25
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 Saundra Gragg Naifeh
Edmond Mayor

Secretary/Treasurer John Brown
Piedmont Councilmember

Executive Director
Zach D. Taylor

AGENDA

**GARBER-WELLINGTON ASSOCIATION
POLICY COMMITTEE
April 28, 2005 (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 March 31, 2005 meeting.

- IV. STAFF REPORT

ACOG Pathogen Project –Staff will review the summer pathogen sampling project.

Action Requested: None, for information only.

- V. PROGRESS REPORT ([Attachment V](#))
- VI. NEW BUSINESS
- VII. ADJOURNMENT

MINUTES

GARBER-WELLINGTON ASSOCIATION
POLICY COMMITTEE MEETING

March 31, 2005

The third regularly scheduled meeting of the Garber-Wellington Association Policy Committee for the calendar year 2005 was convened on March 31, 2005 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.

PRESIDINGCITY/AGENCY

Hon. Marsha Jefferson, Mayor

Spencer

POLICY COMMITTEE PRESENT

Hon. Grant Hedrick, Commissioner

Canadian County

Hon. Dave Howe, Councilmember

Choctaw

Hon. Sandra Gragg Naifeh, Mayor

Edmond

Hon. Mark Sharpton, Commissioner

Logan County

Hon. Eddie Reed, Mayor

Midwest City

Hon. Kathy Walker, Councilmember

Nichols Hills

Hon. David Hopper, Councilmember

Norman

Hon. Ron Bledsoe, Mayor

Slaughterville

Hon. Scott Symes, Councilmember

The Village

Hon. Leslie Owens, Councilmember

Warr Acres

GUESTS PRESENT

David Baisden

Oklahoma County Sheriff's Office

Matt Jackson

Oklahoma County Sheriff's Office

Mary Murphey, Administrative Assistant

Logan County

ACOG STAFF PRESENTPOSITION

Zach D. Taylor

Executive Director

John M. Harrington

Division Director, Water Resources

Jane Sutter

Division Director, IGS

Debbie Cook

Director of Finance and Budget

John G. Johnson
Douglas Rex
Jerry Church
Kris Wright
Ellen Owens

Consultant
Assistant to the Executive Director
Special Programs Officers, IGS
Intern, Water Resources Division
Division Secretary, Water Resources

I. CALL TO ORDER

Chairperson Marsha Jefferson called the meeting to order at 2:54 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 Hopper made a motion to approve the minutes of the February 24, 2005 meeting. The motion was seconded by Director Naifeh and carried with the following vote:

AYE: Jefferson, Hedrick, Howe, Naifeh, Sharpton, Reed, Walker, Hopper, Bledsoe, Symes, and Owens

NAY: None

ABSTAIN: None

IV. STAFF REPORT

Mr. Harrington gave a presentation on the arsenic mapping project that he has been working on since August of last year. He said the arsenic problem can be solved in two different ways: the engineering approach, which is to remove the arsenic once it is detected, or the geologic approach, which is not to drill new wells in places where there is arsenic to begin with. Mr. Harrington said a nine-township area was selected in northern Oklahoma County where we found the best data to do arsenic analysis. There are good well logs as well as a good amount of zone specific sampling, which means they actually went down to the well bore and took specific samples out of each one of the sandstones. Mr. Harrington displayed a cross section of the Aquifer, pointing out the Lake Arcadia and Lake Overholser areas. He said the area by Lake Overholser is mostly Hennessey shale, and that the area by Lake Arcadia is basically Garber sand on the surface. He pointed out the area that is Wellington sands, from which a large amount of municipal water is derived and also where a large amount of arsenic is produced.

Mr. Harrington commented that rivers and beaches are usually thought of when discussing the formation of sand bodies, but that is not the case with the Garber. He said the Garber has no places where there are fossilized plants or animals; there are very arid environments. He said there are depositions of sand coming down in huge events such as the 100-year flood. The cross section shows the Wellington broken into five different units from A through E. Referring to Wellington C, he said there is an area to the east which generated the sand which then was transported in large singular events and deposited. He displayed a sand/shale ratio map, which showed the measurement of the sand to shale. He said that it was found that wells located in areas where the sand/shale ratio is greater than 60% have low arsenic levels. We studied the zone specific sampling and looked at the water chemistries, then broke out the water chemistries into various categories. He said the Garber tends to get deeper as it goes toward the west and the water chemistries change. He indicated that the chemistries to stay away from are the sodium bicarbonate and the sodium bicarbonate chlorides. Mr. Harrington said that wells can be located in sodium dominated water, but there must be a greater than 60% sand/shale ratio.

Mr. Taylor said the Nichols Hills, Piedmont, and Edmond areas have been mapped, and Norman has hired the U.S. Geological Survey (USGS) to do their area. He said that any community that would like to have their area mapped should speak to Mr. Harrington

Mr. Harrington said that in areas where there is no arsenic, there are high sands. He said that the area south of Lake Arcadia is a prime well drilling location and that mapping should be done for all well fields on the west half of the Aquifer.

Jerry Church gave a brief presentation on public education efforts regarding the Stormwater Phase II program. He said that ACOG has won three ADDY awards for marketing and advertising the program. He commented that Oklahoma City has been a Phase I community for a number of years. Mr. Church said that for the last two years, ACOG has been working on developing programming for Phase II communities. Across the region, there are 17 affected entities. He said that a Stormwater brochure has been developed, which will probably go to press next week, and a television and radio spot has also been developed. He said the ACOG website has been updated to include all information regarding Stormwater Phase II. Mr. Church then proceeded to play the radio and TV advertisements for the Committee. He said all the information will be made available to the affected communities.

V. PROGRESS REPORT

There was no discussion of the Progress Report.

VI. NEW BUSINESS

There was no new business discussed at the meeting.

VII. ADJOURNMENT

Director Hopper made a motion to adjourn the meeting. Director Hedrick seconded the motion and, with the vote, the meeting adjourned.

MEMORANDUM

TO: Garber-Wellington Policy Committee
FROM: John M. Harrington, Water Resources Director
DATE: April 28, 2005
RE: Progress Report

Arsenic mapping project final report sent to EPA.

A geochemical model for a North Canadian DO model is currently in preparation. Draft TMDL report due out late May.

Contracts with OSE have been signed for the ACOG pathogen study next summer project. Turbidity meter and YSI probe purchased and delivered. Staff is researching methodology for generating frequency curves in non-gauged streams.

Contracts for purchasing earth resistivity imaging system are in review.

The Oklahoma Department of Environmental Quality (DEQ) has issued the final Phase II stormwater permit. Notices of Intent (NOI) must be filed with DEQ by May 8, 2005.