

# REGIONAL WATER QUALITY NEWSLETTER

DATE: Report for August 30, 2006

Samples Collected on August 29, 2006

From the Phoenix, Tempe, Peoria, CAP, SRP – ASU Regional Water Quality Partnership

<http://enpub.fulton.asu.edu/pwest/tasteandodor.htm>

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## SUMMARY: EVALUATION AND RECOMMENDATIONS

1. This is in intermediate newsletter with only T&O data for select sites.
2. All WTPs are controlling T&O levels well. There is no in-canal T&O production.
3. Please RSVP (if you haven't already) to attend our September 15, 2006 workshop in downtown Phoenix (see below agenda)

## **I. Preliminary agenda for September 15<sup>th</sup>**

**If you want to attend – PLEASE RSVP to [p.westerhoff@asu.edu](mailto:p.westerhoff@asu.edu)**

Pass this invitation along to others

### **REGIONAL WATER QUALITY WORKSHOP: ALGAE ASSOCIATED ISSUES**

***FRIDAY SEPTEMBER 15, 2006***

Time: 8:30 am to 11 am

Location: Historic City Hall - Subcommittee Room (2nd Floor)  
17 S. 2nd Avenue (2nd Avenue and Washington)

Purpose: Provide a forum to review and discuss on-going regional water quality issues, in particular algae-associated issues.

#### **MEETING SCHEDULE**

8:30 Introductions

8:45 Overview of T&O issues for 2006

9:15 T&O control by PAC and GAC

9:30 DOC and DBP Issues for 2006

10am break

10:15 Emerging Sensors & Probes:

- Culprit Algae
- Arsenic
- DBPs

10:45 Discussion on locating Water Quality Sensors – Let's get this done

10:50 Future directions & discussion

11:00 Meeting adjournment

## MONITORING RESULTS

**Table - Water Treatment Plants – August 29, 2006**

Sample Description	MIB (ng/L)	Geosmin (ng/L)	Cyclocitral (ng/L)
24 <sup>th</sup> Street WTP Inlet	14.7	8.4	4.0
24 <sup>th</sup> Street WTP Treated	8.6	3.3	<2.0
Deer Valley Inlet	9.6	5.6	<2.0
Deer Valley WTP Treated	4.3	5.3	<2.0
Val Vista Inlet	11.2	8.5	2.7
Val Vista WTP Treated –East	5.7	3.3	<2.0
Val Vista WTP Treated -West	5.8	4.2	<2.0
Union Hills Inlet	<2.0	4.2	,2.0
Union Hills Treated	<2.0	7.4	5.3
Tempe North Inlet	12.4	6.6	4.7
Tempe North Plant Treated	10.2	9.0	<2.0
Tempe South WTP	5.9	4.3	<2.0
Tempe South Plant Treated	7.3	2.5	<2.0
Tempe South Plant Treated (Lab)	3.1	<2.0	2.9
Chandler WTP Inlet	10.1	6.0	<2.0
Chandler WTP Treated	3.8	3.3	3.5
Greenway WTP Inlet	11.5	3.8	4.9
Greenway WTP Treated	<2.0	<2.0	<2.0

**Table - Canal Sampling – August 29, 2006**

<b>System</b>	<b>Sample Description</b>	<b>MIB (ng/L)</b>	<b>Geosmin (ng/L)</b>	<b>Cyclocitral (ng/L)</b>
CAP	Waddell Canal	<2.0	4.2	<2.0
	Union Hills Inlet			
	CAP Canal at Cross-connect			
AZ Canal	Salt River @ Blue Pt Bridge	12.4	7.3	3.7
	Verde River @ Beeline			
	AZ Canal above CAP Cross-connect			
	AZ Canal below CAP Cross-connect			
	AZ Canal at Highway 87			
	AZ Canal at Pima Rd.	14.7	8.4	4.0
	AZ Canal at 56th St.			
	AZ Canal - Inlet to 24 <sup>th</sup> Street WTP	9.6	5.6	<2.0
	AZ Canal - Central Avenue			
	AZ Canal - Inlet to Deer Valley WTP			
	AZ Canal - Inlet to Greenway WTP			
South and Tempe Canals	South Canal below CAP Cross-connect	11.2	8.5	2.7
	South Canal at Val Vista WTP			
	Head of the Tempe Canal			
	Tempe Canal - Inlet to Tempe's South Plant	5.9	4.3	<2.0
	Chandler WTP – Inlet	10.1	6.0	<2.0