



**SPECIAL  
Meeting of the Metro Wastewater JPA**

**AGENDA**

**Thursday, June 20, 2013  
12:00 p.m. to 3:00 p.m.**

**Chula Vista Police Department Community Room  
315 Fourth Avenue  
Chula Vista, California**

*"The Metro JPA's mission is to create an equitable partnership with the San Diego City Council and Mayor on regional wastewater issues. Through stakeholder collaboration, open dialogue, and data analysis, the partnership seeks to ensure fair rates for participating agencies, concern for the environment, and regionally balanced decisions."*

**Note:** Any member of the Public may address the Metro Wastewater JPA on any Agenda Item. Please complete a Speaker Slip and submit it to the Secretary or Chairperson prior to the start of the meeting if possible, or in advance of the specific item being called. Comments are limited to three (3) minutes per individual.

Documentation  
Included

1. ROLL CALL
2. PLEDGE OF ALLEGIANCE TO THE FLAG
3. PUBLIC COMMENT  
*Persons speaking during Public Comment may address the Metro Wastewater JPA on any subject matter within the jurisdiction of the Metro Wastewater JPA that is not listed as an agenda item. Comments are limited to three (3) minutes. Please complete a Speaker Slip and submit it prior to the start of the meeting.*
- X 4. **INFORMATION** - OVERVIEW BY SCOTT TULLOCH OF POINT LOMA WASTEWATER TREATMENT PLANT WAIVER (**Attachment**)
5. **INFORMATION** - OVERVIEW BY LEAH BROWDER OF WATER REUSE
6. **ACTION** – REVIEW AND DISCUSSION OF STRATEGIC FOCUS AREAS
  - A. Water reuse planning
  - B. Waiver renewal
  - C. Other
7. **ACTION** – STATUS OF REGIONAL WATER REUSE PLAN (INCLUDING CONSIDERATION OF INDIRECT POTABLE REUSE (IPR) AS RELATED TO SECONDARY TREATMENT AT POINT LOMA
8. ADJOURNMENT OF METRO WASTEWATER JPA

The Metro Wastewater JPA may take action on any item listed in this Agenda whether or not it is listed "For Action."

*Materials provided to the Metro Wastewater JPA related to any open-session item on this agenda are available for public review by contacting L. Peoples at (619) 548-2934 during normal business hours.*

***In compliance with the  
AMERICANS WITH DISABILITIES ACT***

*The Metro Wastewater JPA requests individuals who require alternative agenda format or special accommodations to access, attend, and/or participate in the Metro Commission/Metro Wastewater JPA meetings, contact L. Peoples @ (619) 548.2934, at least forty-eight hours in advance of the meeting.*

# AGENDA ITEM 4

## Attachment

(Overview Pt. Loma Wastewater  
Treatment Plant Waiver)



**Atkins North America, Inc.**  
3570 Carmel Mountain Road, Suite 300  
San Diego, California 92130

**Telephone: +1.858.874.1810**  
**Fax: +1.858.259.0741**

**[www.atkinsglobal.com/northamerica](http://www.atkinsglobal.com/northamerica)**

## **SAN DIEGO WASTEWATER SYSTEM/MODIFIED PERMIT (WAIVER)**

- Point Loma Wastewater Treatment Plant (PLWTP) – 240 MGD
- North City Water Reclamation Plant (NCWRP) – 30 MGD
- South Bay Water Reclamation Plant (SBWRP) – 15 MGD
- Metro Biosolids Center
- Point Loma and South Bay Ocean Outfalls
- Metro Wastewater Pump Stations
- Muni Wastewater Collection System
  
- Treatment /Process Levels
  - > Primary
  - > Advanced Primary
  - > Secondary
  - > Tertiary
  
- Clean Water Act (1972)
  - > Treatment Plant Permits Required
  - > Secondary Treatment
  
- Wastewater plants must get a permit or modified permit (waiver) every 5 years (involves EPA, RWQCB, SWRCB and CCC)
  
- Ocean Pollution Reduction Act (OPRA) (1994)
  - > Congressman Filner sponsored
  - > Allowed San Diego to apply for a waiver
  - > In return San Diego built the NCWRP and SBWRP

Since then:

- > San Diego applies for a waiver every 5 years
- > To get environmental community support of waivers:
  - San Diego did refined estimate of cost to convert PLWTP to 240 MGD secondary (\$1 billion capital cost without financing or operating costs)
  - Did comprehensive review and upgrade of Ocean Monitoring Program
  - Did studies and demonstration projects of converting reclaimed water to Indirect Potable Water
  - The current permit/waiver expires in 2015

## **CONCEPT**

- Divert 100 MGD of wastewater upstream of PLWTP to Indirect Potable Reuse at San Vicente and Otay Reservoirs
- Reduce PLWTP permit to 140 MGD Advanced Primary
- PLWTP has run as high as 180 MGD without any negative impact to the ocean environment
- Enact Federal legislation to allow PLWTP to remain at 140 MGD Advanced Primary getting permits every 5 years in return for creating 100 MGD of Indirect Potable Water Capacity

Note: Cost estimates need to be done for a 80 to 100 MGD Indirect Potable Reuse System and a 140 MGD Secondary PLWTP but 140 MGD of Secondary would probably be \$500 to \$600 million in capital costs with no improvement for the environment

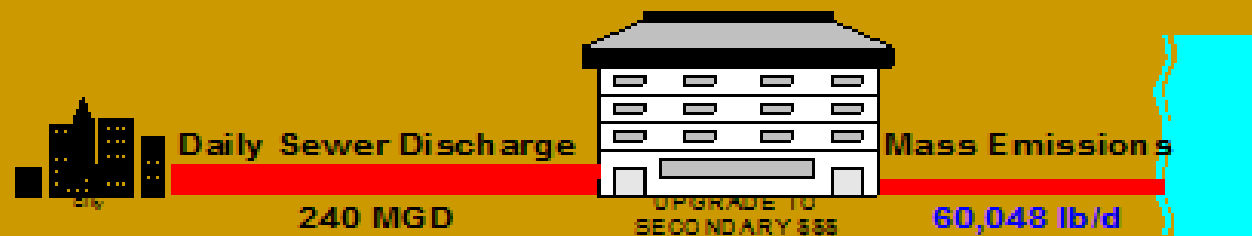


# SECONDARY EQUIVALENCY

## ADVANCED PRIMARY TREATMENT LEVEL



## SECONDARY TREATMENT LEVEL



## ADVANCED PRIMARY TREATMENT LEVEL SECONDARY EQUIVALENCY

