

SALT/NUTRIENT MANAGEMENT PLAN STAKEHOLDER MEETING MINUTES

April 14, 2010

Location: Palmdale City Hall – Larry Chimbole Cultural Center (Joshua Room)

Attendees: Tom Barnes (AVEK), Michael Bevins (City of California City), Jessica Bunker (LACWWD), Richard Caulkins (LACSD), David Charlton (Edwards AFB), Jane Zimmerman (Lahontan RWQCB), Erika de Hollan (LACSD), Mathew Knudson (PWD), Walter Kuentz (RCSD), Bob Large (Lake Town Council), Anthony Langin (City of California City), Thomas Mele ((Edwards AFB), Gordon Phair (City of Palmdale), Dave Rydman (LACWWD), Chris Vidal (RCSD), Jennifer Wong (California DWR), Peter Zorba (City of Lancaster)

RWQCB Updates

No current updates from the Lahontan Regional Water Quality Control Board (Lahontan RWQCB).

Technical Subcommittee Updates

The Technical “Work Group” Subcommittee met on March 3rd to discuss the available water quality information that had been collected. Palmdale Water District, Edwards Air Force Base, Rosamond Community Services District, and AVEK volunteered their water quality information. Once all the data is reviewed and analyzed, the stakeholder group can determine the baseline and the constituents to be addressed in the Salt/Nutrient Management Plan (SMP). The draft Scope of Work was updated based on the comments received from the City of Palmdale and Lahontan RWQCB. The stakeholder group is currently on schedule with the Scope of Work tasks and timelines.

The meeting minutes for the Technical Subcommittee meeting can be viewed on the AV IRWMP website (<http://www.avwaterplan.org/>).

Water Quality Assessment

A map was created showing existing well locations within each sub-basin (see Appendix 1). A few well locations were analyzed for water quality information. Lahontan RWQCB mentioned that water quality changes with depth levels and suggested to take different monitoring depths into consideration. The stakeholder group determined that the information would be included in the analysis as it is readily available.

A very comprehensive guideline for groundwater data descriptions (see Appendix 2) was handed out as a starting point to indicate what type of information may need to be obtained from the existing wells. The Department of Water Resources (DWR) mentioned that their “water group section” is looking at the Antelope Valley Region and have maps showing water elevation information. The point of contact for this information at DWR is Tim Ross.

Along with the sub-basin map, a table showing constituents, number of data points, number of wells, concentration levels, limits, and dates of the well locations for a group of sub-basins was handed out as a sample of analyzed data. From the group of constituents analyzed, the values seemed to be within the acceptable limits. This sample group of constituents was brought to the stakeholders to determine if this is something they want to analyze for the SMP. It was agreed that this was a good starting point for the analysis.

Current and Future Projects

The stakeholders discussed current and future projects contributing to potential salt/nutrient impacts to the basin. The table below is what was compiled during the meeting.

Current and Future Projects Contributing To Potential Salt/Nutrient Impacts			
Agency	Project Type	Source of Water (imported/ sw/ gw/ rw)	Expected Implementation Date
Palmdale/LACWWD40	Amargosa Creek Recharge Project	imported / sw	2015
Lancaster	Amargosa Water Banking and Stormwater Retention Project	imported / sw/ rw	on hold
Rosamond	Antelope Valley Water Bank	imported	implemented
LACWWD40	Aquifer Storage and Recovery Project	Imported	2010
Palmdale	Barrel Springs Detention Basin and Wetlands	stormwater	2025
LACSD	Agricultural Reuse Project	recycle	implemented
AVEK/LACWWD40	Groundwater Banking Project	imported	2015
Palmdale	Hunt Canyon Groundwater Recharge and Flood Control Basin	stormwater	2025
LACWWD40	In-Situ Arsenic Removal on Unsaturated Alluvium	groundwater	2010
LACSD	Lancaster WRP Stage V	recycle	2010
Palmdale Water District	Littlelock Creek Recharge Project	rw/ imported/ sw	2015
LACWWD40/Palmdale/Lancaster	North LA/Kern County Regional Recycled Water Project	recycle	2011
LACSD	Palmdale WRP Stage V	recycle	2011
Palmdale	Palmdale Hybrid Power Plant Project	recycle	2012
Lancaster	Solar Power Plants (<i>Peter Zorba will provide further information</i>)		

If stakeholders have additional projects they would like to include on this list, please e-mail Jessica Bunker (JBunker@dpw.lacounty.gov) or Erika de Hollan (edehollan@lacsdsd.org).

Next Steps

The next SMP stakeholder meeting will be held after the Antelope Valley Integrated Regional Water Management Plan stakeholder meeting on Wednesday, July 14, 2010.

Volunteers were requested to research grant funding opportunities and bring suggestions back to the group if certain grant applications are relevant to the SMP stakeholder group. Michael Bevins with the City of California City volunteered to take a look at the funding opportunities available.

Appendix 2 – Draft Groundwater Data Description

Draft Groundwater Data Descriptions by Data Type

General Well Information	Description
Well Name	Unique well name and/or identifiers used by well owner
Well Status	<i>e.g.</i> active, inactive, abandoned, destroyed
Well Location	Geographic coordinates (X,Y) and description of well location
Well Elevations	Ground surface and water level measurement point elevations
Geographic Information	Datum of coordinates, coordinate units (<i>e.g.</i> degrees, meters), name and parameters of coordinate projection, elevation units and vertical datum, method used to determine well elevations
Perforated Interval	"From" and "To" fields (depth in feet-below ground surface)
Groundwater Level Information	Description
Date and Time Measured	Date and time of water level measurement
Depth to Water	Distance from measurement point to groundwater level (including units)
Measurement Point Description	Physical description of water level measurement point (<i>e.g.</i> top of well casing)
Measurement Point Elevation	Elevation of water level measurement point
Well Activity at Time of Measurement	Description and comments related to the well activity at the time of measurement (<i>e.g.</i> was the well pumping or was the well turned off?)
Groundwater Quality Information	Description
Date and Time Sampled	Date and time water quality sample collected
Chemical Name or Code	Name or code of constituent analyzed
Detection Limit	Detection limit of the sample method used
Result	Concentration/value and units of analysis
Analytical Method	Analytical method used by laboratory
Analytical Laboratory	Laboratory used for sample analysis