

Item 12 LATE ADDITION

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION**

MEETING OF JANUARY 11-12, 2017

APPLE VALLEY

**OVERVIEW OF THE FORT IRWIN SALT AND NUTRIENT MANAGEMENT PLAN, FORT
IRWIN NATIONAL TRAINING CENTER**

1. Please insert Enclosure No. 4 behind Enclosure No. 3.

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ENCLOSURE 4

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Item 12

Fort Irwin Salt and Nutrient Management Plan

John Steude, P.G.
Engineering Geologist
Lahontan Water Board



Agenda

- Part I – John Steude – Lahontan Water Board
 - Fort Irwin Innovative and Proactive Approach to Salt and Nutrient Management
 - Water Conservation
 - Treated Wastewater Effluent Recycling
 - New Supply Water Treatment System Designed for Salt Removal Using Electrodialysis Reversal (EDR), Membrane Filtration, Reverse Osmosis Ion Exchange and Mechanical Evaporation
 - New Wastewater Treatment System Designed for Denitrification Using Anoxic Basins
 - Compliance with SWRCB Recycled Water Policy and Board Order No. R6V-2004-0005-A1 adopted November 14, 2012
 - All Recycled Water Policy requirements met or exceeded
 - All SNMP requirements in WDRs met or exceeded
 - Sustainable Groundwater Management Act
 - 3 groundwater basins at Fort Irwin Listed by DWR as “Very Low Priority”
 - There are no current SGMA requirements for Very Low Priority groundwater basins

Agenda continued

- Part II - Fort Irwin SNMP Team:
 - CH2M – Fort Irwin Wastewater Treatment Plant Owner and Operator
Jon Green-CH2M Fort Irwin Project Director
Steve Schultz-CH2M Hydrogeologist
 - U.S. Army – Fort Irwin Landowner
Muhammad Bari-Fort Irwin Public Works Director
Chris Woodruff-Fort Irwin Water and Wastewater Manager
- Fort Irwin Salt and Nutrient Management Plan – Overview
Presented by Jon Green and Steve Schultz

Questions?

Staff Recommendation: Accept Fort Irwin SNMP



National Training Center
Fort Irwin, Calif.

