



moulton niguel water district

Wastewater Treatment in Moulton Niguel Water District

Matt Collings, Assistant General Manager

Citizens' Advisory Committee

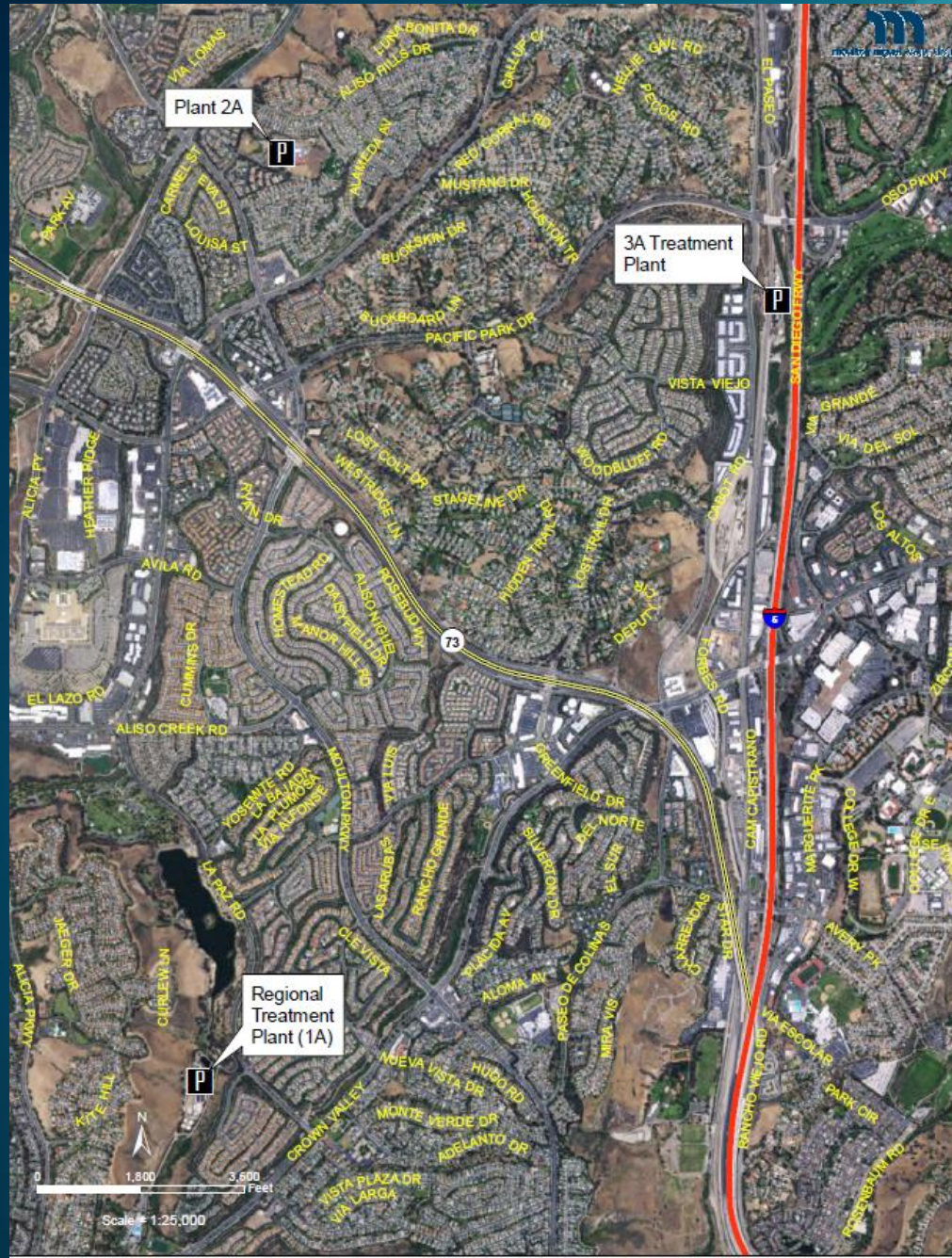
June 7, 2017

Background

- Wastewater services initially provide by County of Orange
- CA Water District code was amended in 1964
- MNWD began providing wastewater services in 1964/1965



Wastewater Treatment History

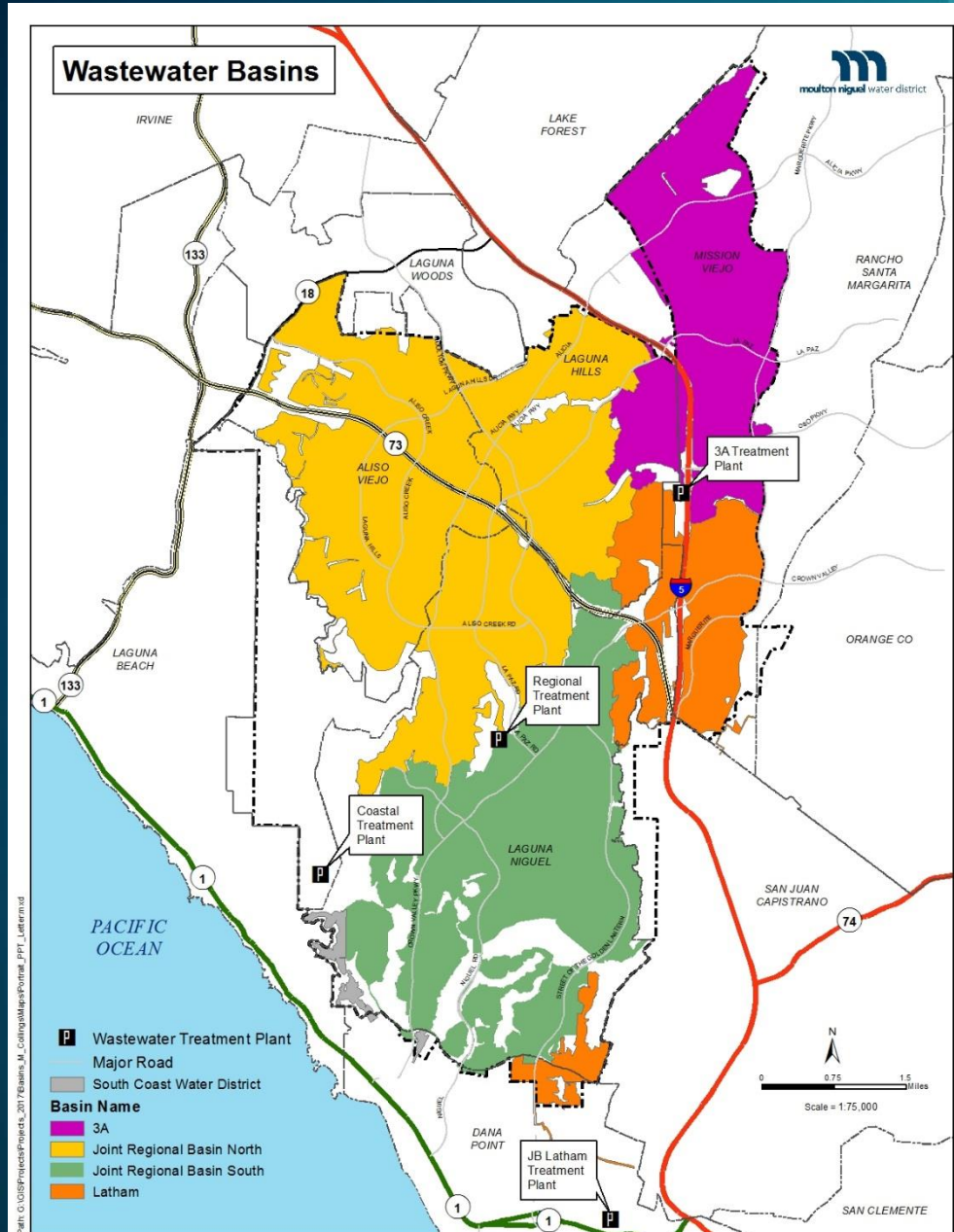


Clean Water Act

- In the late 1970s, formation of Joint Power Authorities
- Obtain grant funding for construction of treatment facilities
- Consolidate wastewater operations to maximize efficiencies
- Led to consolidation and construction of three treatment plants



Where is MNWD wastewater currently treated?



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Name of Plant	Regional Treatment Plant	Plant 3A	J.B. Latham Treatment Plant	Coastal Treatment Plant
Annual Average Flow	8.0 MGD	1.8 MGD	1.4 MGD	0 MGD
Annual Average Recycled Water Production	5.0 MGD	1.2 MGD	0 MGD	0 MGD
Annual Average Ocean Discharge	3.0 MGD	0.6 MGD	1.4 MGD	0 MGD

MGD = Millions of Gallons Per Day

Regional Treatment Plant

- South Orange County Wastewater Authority (SOCWA) has title to the facilities and operates the Regional Treatment Plant
- MNWD owns 100% of liquids treatment capacity and nearly 60% of solids treatment capacity
- MNWD owns the recycled water treatment facilities



Plant 3A

- MNWD has title to the facilities and Santa Margarita Water District (SMWD) is the contract operator
- MNWD owns 72% of the treatment capacity
- MNWD owns 100% of the recycled water treatment capacity
- SMWD is currently evaluating plans to expand the recycled water production capability
- Contract operating agreement expires on June 30, 2018



J.B. Latham Plant

- SOCWA has title to the facilities and operates the plant
- MNWD owns 23% of the liquids treatment capacity and 22% of the solids treatment capacity
- Currently, no recycled water production at this plant
- Undergoing significant capital upgrades



Coastal Treatment Plant

- SOCWA has title to the facilities and operates the plant
- South Coast Water District owns and operates the recycled water production facilities
- MNWD owns 29% of the treatment capacity
- MNWD does not use any capacity in the plant



Wastewater Primary Initiatives

- Divestment from the Coastal Treatment Plant
- Ensure transparency and financial accountability at SOCWA
- Evaluate long-term plan for cost-effective wastewater treatment for MNWD customers
- Ensure MNWD has resources necessary to support critical wastewater treatment services



Questions?

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