



# County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH

Land and Water Quality Division

5201 Ruffin Road, Suite C  
San Diego, CA 92123

(858) 565-5173/(800) 253-9933 FAX (858) 694-3105

## Water System Inspection

Page 1 of 6

Date of Inspection 2/13/07 Permit # 3701837  
 Name of Water System Wynola Water District Owner/Operator Ed Huffman (Ray Mitchell)  
 Site address 1234 Lakewood Road, Julian, 92036 Telephone (760) 765-3420  
 Mailing address P.O. Box 193, Santa Ysabel, 92070  
 System classification Community Name of Certified Operator Murray Tomlinson #2300(04)  
 Max daily population 120 Total Yearly Population \_\_\_\_\_ Number of Service Connections 87

**VIOLATION REPORT:** The inspection of your small water system was conducted to determine compliance with the California Health and Safety Code (H&SC); Titles 17 and 22 of the California Code of Regulations (CCR); California Well Standards; and the San Diego County Code (SDCC). The items checked below are **NOT** in compliance with stated sections of the H&S, CCR, and/or the SDCC.

<p><b>SOURCE PROTECTION</b> CA Well Standards, H&amp;SC</p> <p><input type="checkbox"/> Well/well casing with cover or lock, v36</p> <p><input type="checkbox"/> Well cap water tight, v37</p> <p><input type="checkbox"/> Well marked for identification, v39</p> <p><input type="checkbox"/> Area clear of brush, debris, waste, v40</p> <p><input type="checkbox"/> Vulnerable to contamination, v41</p> <p><input type="checkbox"/> Check valve installed at well head</p> <p><input type="checkbox"/> Backflow device at pump discharge pipes, v46</p> <p><input type="checkbox"/> Chemical feeders/injector with backflow device, v47</p> <p><input type="checkbox"/> Well site locked, v49</p> <p><input type="checkbox"/> Free of rodent activity, v50</p> <p><input type="checkbox"/> Abandoned wells not properly destroyed</p> <p><b>RESERVOIR/STORAGE</b> CCR Title 22, Sec. 64600 &amp; 64602</p> <p><input type="checkbox"/> Storage capacity amount <u>~116,000 gallons</u> v22</p> <p><input type="checkbox"/> Properly constructed/secured /Lined, v20, v21</p> <p><input type="checkbox"/> Vents properly screened</p> <p><b>DISTRIBUTION SYSTEM</b> CCR Title 22</p> <p><input type="checkbox"/> Pipes without leaks, Sec. 64560, v23</p> <p><input type="checkbox"/> Pumps maintained, Sec. 64560, v24</p> <p><input type="checkbox"/> Valves maintained, Sec. 64560, v25</p> <p><input type="checkbox"/> Adequate flushing program, Sec. 64560, v26</p> <p><input type="checkbox"/> Proper piping materials, Sec. 64560, v27</p> <p><b>TREATMENT SYSTEM</b> CCR Title 22</p> <p><input type="checkbox"/> Chlorinator Functioning, Sec. 64447, v29</p> <p><input type="checkbox"/> Filter Functioning, Sec. 64447, v30</p> <p><input type="checkbox"/> System not maintaining proper chlorine residual, Sec. 64447</p> <p><input type="checkbox"/> Disinfection By-Product Rule monitoring, Sec. 64439</p> <p><b>CROSS CONNECTION CONTROL</b> CCR Title 17</p> <p><input type="checkbox"/> Testing/Maintenance of Backflow Prevention Devices, Sec. 7605, v57</p> <p><input checked="" type="checkbox"/> Cross Connect Control Program, Sec. 7584 &amp; 7585, v58</p> <p><input type="checkbox"/> Trained/Certified Personnel, Sec. 7584, v59</p> <p><input type="checkbox"/> Maintenance records kept on site, Sec. 7584, v60</p>	<p><b>RECORDS</b></p> <p><input type="checkbox"/> Water Supply Permit Current, Sec. 116540 H&amp;SC, v64</p> <p><input type="checkbox"/> Health Permit Current, Sec. 65.102 SDCC, v65</p> <p><input type="checkbox"/> Emergency Notification Plan Current, Sec 116460 H&amp;SC, v66</p> <p><input checked="" type="checkbox"/> Sample Siting Plan Current, Sec 64422 CCR, v67</p> <p><b>WATER QUALITY MONITORING</b> CCR Title 22</p> <p><input type="checkbox"/> Bacteriological Standard, Sec. 64426.1, v02</p> <p><input type="checkbox"/> Organic Chemical Standard, Sec. 64444, v03</p> <p><input type="checkbox"/> Inorganic Chemical Standard, Sec. 64432, v04</p> <p><input type="checkbox"/> Radioactivity Standard, Sec. 64441, v05</p> <p><input type="checkbox"/> Nitrate/Nitrite Standard, Sec. 64432.1, v06</p> <p><input type="checkbox"/> Secondary Water Standard, Sec. 64449, v08</p> <p><input type="checkbox"/> Lead and Copper Rule, Chapter 17.5, (Comm. &amp; NTNC systems)</p> <p><b>PUBLIC NOTIFICATION</b> <u>Save 2007</u></p> <p><input type="checkbox"/> Notification of public/Department of water quality failure, Sec 116450, H&amp;SC &amp; Title 22, Sec. 64464.3, v68</p> <p><input type="checkbox"/> Consumer Confidence Report not current, H&amp;SC 116470 &amp; Title 22 Sec. 64480, v69</p> <p><b>OPERATOR CERTIFICATION PROGRAM</b> H&amp;SC</p> <p><input type="checkbox"/> Operator Certified, (Treated, Comm., NTNC systems) Sec. 106885, v34</p> <p><b>SURFACE WATER</b></p> <p><input type="checkbox"/> Surface Water Treatment Rule in compliance, Sec. 64650, v09</p> <p><input type="checkbox"/> Daily Turbidity Monitoring, Sec. 64655, v61</p> <p><input type="checkbox"/> Operator Maintaining Records, Sec. 64662, v35</p>
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Owner/Operator Mailed to Date \_\_\_\_\_ Specialist Wendy Martinez Date 2/27/07  
Water District

**COUNTY OF SAN DIEGO**  
DEPARTMENT OF ENVIRONMENTAL HEALTH

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NAME of WATER SYSTEM: Wynola Water District    DATE 2/13/2007    PERMIT # 3701837

VIOLATION REPORT: The items checked on page 1 of this report refer to specific section numbers of Titles 17 and 22 of the California Code of Regulations (CCR), the Health and Safety Code (HSC), the California Well Standards, and/or the San Diego County Code (SDCC).

On February 13, 2007, a routine inspection was conducted with Ray Mitchell and Ed Huffman of the Wynola Water District. The Wynola Water District is classified as a community water system with 87 service connections. The daily population on average is 120 people.

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Wells 1, 2, 5, 6 and 8 are currently not in use and their availability is listed as emergency use. Well 5 is currently used for measuring static water level only. Well 6 was burned in the Cedar Fire and repairs have been made to be able to bring this well back on line. In 2006, Title 22 testing was completed for well 6 so that it may be brought back on line as an active source. When the Water District decides to include this well as an active source, make the request in writing to DEH. Any change in sources needs the water supply permit to be updated.

Well 4 was never an active source and was destroyed.

Wells 3, 7, 9, 10 and 11 are the current active sources. The wells are in locked secure enclosures and identified with well numbers.

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The water storage tanks are unchanged from the last inspection. All water storage is on Lot 14, next to well 3. There are two above ground fiberglass lined steel storage tanks of 65,000-gallon and 45,000-gallon capacity. These tanks are piped together so that both tanks have even water levels. Water pressure is provided by a 5,000-gallon capacity hydropneumatic above ground tank. The pump station area is secured by a perimeter fence which denies access to unauthorized persons. Well 7, 9, 10 and 11 are pumped into the pumping station. Well 3 is located behind pumping station and pumps directly into the pumping station storage.

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The Wynola Water District currently hand chlorinates at each active wellhead with one gallon chlorine each month. DEH questions the need and method of chlorination. Be advised, disinfection of public water systems requires an approved water treatment device with a continuous feed, a daily chlorine residual log, and disinfection by-product rule monitoring. The Wynola Water District is currently classified as an untreated community small drinking water system. If the Wynola Water District chooses to continue chlorinating the water system, DEH will reclassify the water system to a treated community small drinking water system. Within 30 days, provide a written response to DEH regarding the need and disinfection practices of this water system.

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The tables on pages 4, 5 and 6 of this report show the current status of water quality testing results for the active sources.

For all active sources: Nitrate is due annually. Four consecutive quarters of radioactivity testing need to be completed. See the provided worksheet and flowchart for guidance. If gross alpha, uranium, radium 226 and/or radium 228 fall below the detection limit after two consecutive quarters, then Wynola Water District may request in writing a testing waiver for the final two quarters.

*"Environmental and public health through leadership, partnership and science"*

For Well 3: the last testing results that we have received for VOC's and SOC's was 2001. DEH received notification from the Water District that SOC's were sampled in 2005; however, the results have not been received by DEH. As a reminder, when sampling at a wellhead, include the Wynola Water District state id# and the source number on the chain of custody form. For example, if taking a sample at well 11, the PS Code will be 3701837-011.

For the distribution system: Lead and Copper Rule testing was last completed on 10/24/04. Since your system reported non-detect limits, you only need to sample for Lead and Copper at five residences every 3 years. Lead and Copper Rule testing is due this year.

The Emergency Notification Plan was updated during the inspection.

The Bacteriological Sample Siting Plan was last updated in 2000. Within 30 days, submit an updated sample siting plan that includes wells 10 and 11 and any changes to locations of sample sites. The Bacteriological Sample-Siting Plan handout is provided for guidance.

The current Certified Water Operator is Murray Tomlinson, D4 #2320 that expires 6/1/2009.

The water system shall be surveyed annually to determine if the distribution system is being adequately protected against contamination from backflow. Within 30 days, conduct a cross connection survey that identifies any possible contamination areas. List location of any backflow devices that are installed in the water system. Provide a copy of this report to DEH.

As a reminder, the 2006 Consumer Confidence Report shall be submitted to DEH by July 1, 2007. The template and guidance are located at <http://www.dhs.ca.gov/ps/ddwem/publications/CCR/default.htm>.

The Water Supply Permit for Wynola Water District needs to be updated to include the newer drilled wells. Complete the provided permit application and return to DEH within 30 days.

Mailed to Water District

Owner/Operator

Wendy Martinez

Environmental Health Specialist

Title

2/27/07

Date

Date

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NAME of WATER SYSTEM: Wynola Water District DATE 2/13/07 PERMIT # 3701837

The following chart(s) detail your water quality monitoring. If you are aware of analyses not recorded below, please submit a copy to the attention of Peter Neubauer or Wendy Martinez at the address listed on the cover of this inspection. Peter Neubauer can be reached at (858) 694-3113. Wendy Martinez can be reached at (858) 694-2242.

Source: <u>Well 3 (PS Code 3701837-003)</u>				
CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Inorganic Chemical Standard*	<u>2/9/05</u>	<u>2/9/08</u>	Every 3 years	No
Nitrate Standard	<u>2/13/06</u>	<u>2/13/07</u>	Annually	No
Nitrite Standard	<u>2/9/05</u>	<u>2/9/08</u>	Every 3 years	No
Secondary Water Standard**	<u>2/9/05</u>	<u>2/9/08</u>	Every 3 years	No
Volatile Organic Chemical (VOC) Standard	<u>5/31/01</u>	<u>due</u>	Every 3 or 6 years	
Synthetic Organic Chemical (SOC) Standard *** (Atrazine & simazine only required for pristine sources)	<u>5/31/01</u>	<u>due</u>	Every 6 or 9 years	
Radioactivity Standard (Community only)	<u>2/9/05</u>	<u>due</u>	Every 4 years	

Source: <u>Well 7 (PS Code 3701837-007)</u>				
CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Inorganic Chemical Standard*	<u>3/3/05</u>	<u>3/3/08</u>	Every 3 years	No
Nitrate Standard	<u>2/13/06</u>	<u>2/13/07</u>	Annually	No
Nitrite Standard	<u>3/3/05</u>	<u>3/3/08</u>	Every 3 years	No
Secondary Water Standard**	<u>3/3/05</u>	<u>3/3/08</u>	Every 3 years	No
Volatile Organic Chemical (VOC) Standard	<u>5/25/05</u>	<u>5/25/11</u>	Every <del>3</del> or 6 years	Yes
Synthetic Organic Chemical (SOC) Standard *** (Atrazine & simazine only required for pristine sources)	<u>3/3/05</u>	<u>3/3/14</u>	Every <del>6</del> or 9 years	Yes
Radioactivity Standard (Community only)	<u>3/3/05</u>	<u>due</u>	Every 4 years	

Distribution System				
CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Disinfection By-Product Rule (Chlorinated systems only)			Annually	No
Lead and Copper Rule (Community and NTNC only)	<u>10/21/04</u>	<u>2007</u>	<u>Every 3 years</u>	No

\*Inorganic Chemical Standard includes aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, nitrate, nitrite, selenium, thallium.

\*\*Secondary Water Standard (General Mineral/ General Physical) includes iron, manganese, bicarbonate alkalinity, carbonate alkalinity, hydroxide alkalinity, total hardness, calcium, magnesium, sodium, total dissolved solids or specific conductance, turbidity, pH, color, odor threshold, foaming agents (MBAS).

\*\*\*Synthetic Organic Chemical Standard: If any of your sources are classified as mixed and your system is classified as a Community water system, then atrazine, dibromochloropropane (DBCP), ethylene dibromide (EDB), and simazine are required once every six years. All other SOC's are required to be tested once, then are waived.

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NAME of WATER SYSTEM: Wynola Water District DATE 2/13/07 PERMIT # 3701837

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Source: <u>Well 9 (PS Code 3701837-009)</u>				
CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Inorganic Chemical Standard*	<u>2/9/05</u>	<u>2/9/08</u>	Every 3 years	<u>No</u>
Nitrate Standard	<u>2/13/06</u>	<u>2/13/07</u>	Annually	<u>No</u>
Nitrite Standard	<u>2/9/05</u>	<u>2/9/08</u>	Every 3 years	<u>No</u>
Secondary Water Standard**	<u>2/9/05</u>	<u>2/9/08</u>	Every 3 years	<u>No</u>
Volatile Organic Chemical (VOC) Standard	<u>5/25/05</u>	<u>5/25/11</u>	Every <del>X</del> or 6 years	<u>Yes</u>
Synthetic Organic Chemical (SOC) Standard *** (Atrazine & simazine only required for pristine sources)	<u>2/13/06</u>	<u>2/13/15</u>	Every <del>X</del> or 9 years	<u>Yes</u>
Radioactivity Standard (Community only)	<u>2/9/05</u>	<u>due</u>	Every 4 years	

Source: <u>Well 10 (PS Code 3701837-010)</u>				
CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Inorganic Chemical Standard*	<u>2/9/06</u>	<u>2/9/09</u>	Every 3 years	<u>No</u>
Nitrate Standard	<u>2/9/06</u>	<u>2/9/07</u>	Annually	<u>No</u>
Nitrite Standard	<u>2/9/06</u>	<u>2/9/09</u>	Every 3 years	<u>No</u>
Secondary Water Standard**	<u>2/9/06</u>	<u>2/9/09</u>	Every 3 years	<u>No</u>
Volatile Organic Chemical (VOC) Standard	<u>2/26/02</u>	<u>2/26/08</u>	Every <del>X</del> or 6 years	<u>Yes</u>
Synthetic Organic Chemical (SOC) Standard *** (Atrazine & simazine only required for pristine sources)	<u>2/9/06</u>	<u>2/9/15</u>	Every <del>X</del> or 9 years	<u>Yes</u>
Radioactivity Standard (Community only)	<u>2/9/06</u>	<u>due</u>	Every 4 years	

Distribution System				
CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Disinfection By-Product Rule (Chlorinated systems only)			Annually	No
Lead and Copper Rule (Community and NTNC only)				No

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**Source:** Well 11 (MWD PS Code 3701837-011)

CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Inorganic Chemical Standard*	<u>10/12/2005</u>	<u>10/12/2008</u>	Every 3 years	No
Nitrate Standard	<u>11/20/06</u>	<u>11/20/07</u>	Annually	No
Nitrite Standard			Every 3 years	
Secondary Water Standard**	<u>10/12/05</u>	<u>10/12/08</u>	Every 3 years	No
Volatile Organic Chemical (VOC) Standard	<u>10/12/05</u>	<u>10/12/11</u>	Every <del>3</del> or 6 years	Yes
Synthetic Organic Chemical (SOC) Standard *** (Atrazine & simazine only required for pristine sources)	<u>10/12/05</u>	<u>10/12/14</u>	Every <del>3</del> or 9 years	Yes
Radioactivity Standard (Community only)	<u>10/12/05</u>		Every 4 years	

**Source:** Well 6

CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Inorganic Chemical Standard*	<u>11/20/06</u>		Every 3 years	
Nitrate Standard	<u>11/20/06</u>		Annually	
Nitrite Standard	<u>11/20/06</u>		Every 3 years	
Secondary Water Standard**	<u>11/20/06</u>		Every 3 years	
Volatile Organic Chemical (VOC) Standard	<u>11/20/06</u>		Every 3 or 6 years	
Synthetic Organic Chemical (SOC) Standard *** (Atrazine & simazine only required for pristine sources)	<u>11/20/06</u>		Every 6 or 9 years	
Radioactivity Standard (Community only)	<u>11/20/06</u>		Every 4 years	

*↳ Only one quarter completed.*

**Distribution System**

CHEMICAL	LAST TEST	TEST DUE	FREQUENCY	WAIVER
Disinfection By-Product Rule (Chlorinated systems only)			Annually	No
Lead and Copper Rule (Community and NTNE only)				No

\*Inorganic Chemical Standard includes aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, nitrate, nitrite, selenium, thallium.

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