

**ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
DRINKING WATER MONITORING SUMMARY**

November 2012

| Contaminant | Regulatory Monitoring Requirement | | Bernalillo County Water Utility Authority Additional Monitoring | | | | | | | |
|--|---|--|---|------------------------------------|--|---|------------------------------------|-----------|--------------------------|--------------------------|
| | Location | Frequency | Location | | | | | | | |
| | | | SJCWTP Source: Rio Grande | SJCWTP Entry Point to Distribution | Groundwater Source: Wells | Entry Points to Distribution System: Blended SJCWTP and Groundwater | Distribution System: Customer Taps | | | |
| | | | | | | | | Frequency | | |
| Inorganics | | | | | | | | | | |
| Asbestos | SJCWTP Source: Rio Grande | Potential sources to be Determined by NMED | | | | | | | | |
| | Groundwater Source: EPTDS | 6 to 9 year cycles as Determined by NMED | | | | | | | | |
| | Distribution System | 9 year cycle as Determined by NMED | | | | | | | | |
| Cyanide | SJCWTP EPTDS | Annual | USGS 3 times/year AND ABCWUA 1 /year | | | | | | | |
| | EPTDS | Triennial | | | | | | | | |
| Fluoride, Metals | SJCWTP EPTDS | Annual | | | | | | | | |
| | EPTDS | Triennial | | | | | | | | |
| Nitrate and Nitrite | SJCWTP EPTDS | Annual | | | | | | Annual | 4 times/year at 28 sites | 4 times/year at 43 sites |
| | EPTDS | | | | | | | | | |
| Lead/Copper | Distribution System: 50 Customer Taps | Triennial | | | | | | | | |
| Microbiological | | | | | | | | | | |
| Total Coliform/E. coli | SJCWTP EPTDS, EPTDS, and customer taps in the Distribution System | 242 monthly | USGS 3 times/year AND ABCWUA 1 /year | | | | | | | |
| Chlorine | | | | | | | | | | |
| Organics | | | | | | | | | | |
| Disinfection By-Products: Total Trihalomethanes and Haloacetic Acids | Stage 1: 4 customer taps in the Distribution System | Quarterly | USGS 3 times/year AND ABCWUA 1 /year | | Annual | | 4 times/year at 43 sites | | | |
| | Stage 2: 12 customer taps in the Distribution System | | | | | | | | | |
| Synthetic Organic Compounds | Round I: SJCWTP EPTDS | Annual | USGS 3 times/year AND ABCWUA 1 /year | | Monthly at Wells in vicinity of KAFB Bulk Fuels Spill | | | | | |
| | Round II: SJCWTP EPTDS | | | | | | | | | |
| | Round I: EPTDS | Triennial | | | | | | | | |
| | Round II: EPTDS | | | | | | | | | |
| Synthetic Organic Compound: Dioxin | Round I: SJCWTP EPTDS | To be Determined by NMED | | | | | | | | |
| | Round II: SJCWTP EPTDS | | | | | | | | | |
| | Round I: EPTDS | Triennial/To be Determined by NMED | | | | | | | | |
| | Round II: EPTDS | | | | | | | | | |
| Volatile Organic Compounds | SJCWTP EPTDS | Annual | USGS 3 times/year AND ABCWUA 1 /year | | Annually at all Wells, Monthly at Wells in vicinity of KAFB Bulk Fuels Spill, AND Quarterly at Wells near Known or Suspected Contamination | | 4 times/year at 43 sites | | | |
| | EPTDS | Triennial | | | | | | | | |

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| | | | Location | | | | |
| Contaminant | Location | Frequency | SJCWTP Source: Rio Grande | SJCWTP Entry Point to Distribution | Groundwater Source: Wells | Entry Points to Distribution System: Blended SJCWTP and Groundwater | Distribution System: Customer Taps |
| Radionuclides | | | | | | | |
| Gross-Alpha Gross-Beta Uranium Radium-226 Radium-228 | SJCWTP EPTDS | 9 years as Determined by NMED | USGS 3 times/year (Americium-241; Plutonium-238; Plutonium-239 + plutonium-240; Strontium-90; Tritium; Uranium-234; Uranium-235; Uranium-238) | | | | |
| | EPTDS | 6 - 9 years as Determined by NMED | | | | | |
| Other Regulatory Requirements | | | | | | | |
| SJCWTP Treatment Techniques | | | | | | | |
| Turbidity | SJCWTP EPTDS | Continuous | USGS 3 times/year AND ABCWUA 1 /year | | Annual | 4 times/year at 28 sites | 4 times/year at 43 sites |
| SJCWTP Monitoring | | | | | | | |
| Cryptosporidium | SJCWTP Source: Rio Grande | 24 months | | | | | |
| Total Organic Carbon and Alkalinity | SJCWTP Source: Rio Grande | Monthly | | | | | |
| | SJCWTP EPTDS | | | | | | |
| Bromide | SJCWTP Source: Rio Grande | | | | | | |
| Bromate | SJCWTP EPTDS | | | | | | |
| Chlorine | SJCWTP EPTDS | Continuous | | | | | |
| | Entry Points to Distribution System: Blended SJCWTP and Groundwater | | | | | | |
| Sanitary Survey | All facilities | Triennial | | | | | |
| Sourcewater Assessment | SJCWTP Source: Rio Grande | To be Determined by NMED | | | | | |
| | Groundwater Source: Wells | 2002 | | | | | |
| Additional Monitoring Efforts | | | Location | | | Frequency | |
| Surface Water Treatment Plant Source & Finished Water Monitoring | | | SJCWTP Source: Rio Grande AND SJCWTP Pilot EPTDS | | | 35 events 2007 to 2008 | |
| Pharmaceutical and Person Care Products | | | SJCWTP Source: Rio Grande, SJCWTP Process, SJCWTP EPTDS and Southside Water Reclamation Plant Influent and Effluent | | | 6 events between September 2009 and June 2011 | |
| Chromium: Total and Hexavalent | | | SJCWTP Source: Rio Grande, Wells, Arsenic Treatment Facilities, All EPTDS and Distribution System: Customer Taps | | | One event at 158 locations between July and October 2011 | |
| Las Conchas Fire | | | SJCWTP Source: Rio Grande | | | 7/26/2011 | |
| | | | SJCWTP Process | | | 7/28/2011 | |
| | | | SJCWTP Entry Point to Distribution | | | | |
| Romero Fire | | | SJCWTP Source: Rio Grande | | | 6/22/2012 | |
| | | | SJCWTP Process | | | 6/23/2012 | |
| | | | SJCWTP Entry Point to Distribution | | | | |
| Unregulated Contaminant Monitoring Rule 2 | | | Groundwater EPTDS and Distribution System | | | Two events 2007 | |
| Unregulated Contaminant Monitoring Rule 3 | | | All EPTDS and Distribution System | | | Two events 2013 | |