

Ongoing Projects & Programs		Description	Policy G=Ground Water S=Surface Water	Dept. Lead	Staff Lead	Comments		
<b>WATER &amp; WASTEWATER MANAGEMENT ACTIVITIES</b>								
1	Regional Monitoring	Deep Piezometer Nests	Sample deep piezometers installed by County.	G-B	BCPWD	Phillip Rust	Wells retained for future sampling. Will resample as priority allows.	
			Sample deep piezometers installed by City & OSE.	G-B	AEHD	Bart Faris	Sampling will continue if shallow regional wells results indicate changes.	
		Shallow Wells	Sample shallow regional wells.	G-B	AEHD	Bart Faris	Sampled 16 wells in 2015. Monitored annually.	
		Bernalillo County Domestic Well Monitoring Program	Measure and provide database of domestic well water level measurements	G-B	BCPWD	Phillip Rust	Over 200 wells now in network. Public database under development. Four deep monitoring wells installed off Frost Rd.	
		USGS Water Availability Study	Ongoing study of water resources in the East Mtn Area.	G-B	BCPWD	Phillip Rust	Water level monitoring being done by County. Funding to be redirected starting FY17.	
		Groundwater Degradation Onsite Study	Monitor for ground water degradation related to On Site Liquid Waste Disposal (North Albuquerque Acres, Sandia Park)	G-B	BCPWD	Phillip Rust	Completed one well in Sandia Heights. Sampling completed.	
	USGS Water Level and Vertical Gradient Monitoring	Production wells	G-B	ABCWUA	John Stomp and Rick Shean	USGS-ABCWUA signed agreement for surface water and geohydrologic investigation for FY 2013 - FY 2018		
2	Water & Sewer line Extension	Partners in Improvement & Protection of the Environment (PIPE)	Provide financial assistance to low-income households for sewer connections or upgrading septic systems.	G-A, G-B	BCPWD	Veronica Carrillo Dan McGregor	PIPE has connected over 3000 residents to sewer and water, and has installed or repaired 110 septic systems since 1994. In FY2015, there were 6 sewer connections and 10 water connections.	
3	Sewer Connection	Sewer Connection Enforcement	Enforce public sewer connection in the unincorporated areas of BC through BC Wastewater Ordinance 2014-17	G-A, G-B	BCPWD	Glenn DeGuzman	Technical Review and Code Enforcement Teams cover enforcement of sewer connection and inform homeowners of PIPE program as duties allow	
		Septic Tank Abandonment	Ensure septic tanks are properly pumped and abandoned when properties connect to public sewer (or replace septic system)	G-A, G-B	BCPWD	Glenn DeGuzman	Technical Review Team inspects and approves tank abandonments.	
4	Well Regulation	Locating Wells	Locating all abandoned and improperly constructed, or unpermitted wells.	G-B	BCPWD	Glenn DeGuzman	Technical Review Team permits & inspects wells in unincorporated areas. Wells GPS'd at time of inspection.	
5	Onsite Regulations	Liquid Waste Program	Implement Liquid Waste Ordinance	G-A,G-C,G-E	BCPWD	Glenn DeGuzman	County WW Ordinance updated & approved in 2014. Current with state regulations and includes aging system evaluation requirement after 30-years. Unpermitted wastewater system campaign resuming November 2015.	
			Permit individual liquid waste systems. Determine need for City ordinance.	G-A,G-C,G-E	NMED		Note: The NMED Liquid Waste Bureau provides permitting and enforcement within the City limits. Clarification of regulatory authority at NMED confirmed in letter of 9-22-08.	
6	Water & Sewer Line Rehabilitation	Manage Pipeline Rehab	Implement construction projects to replace deteriorated water lines and rehabilitate or replace deteriorated sewer lines.	G-A, G-E, S-A	ABCWUA	Bob Strong	FY11 projects proposed to replace/rehab 13,000 LF waterline; 7,000 LF small diameter sewer; 5,400 LF interceptor sewer.	
7	Water & Sewer Emergency Repair	Manage Emergency Water and Sewer Infrastructure Repair	Implement Emergency OnCall construction to repair, rehabilitate, or replace deteriorated water and sewer infrastructure.	G-A, G-E, S-A	ABCWUA	Bob Strong	Emergency repair of water and sewer infrastructure including water lines, small diameter sewer, interceptor sewer.	
8	Sewer Line CCTV Inspection	Manage Pipeline Inspection	Provide CCTV inspection of existing sewer interceptor lines to accurately assess condition and prioritize for rehabilitation or replacement.	G-A, G-E, S-A	ABCWUA	Mark Holstad	In accordance with CMOM, will CCTV 5% of small diameter in four of five years and in the fifth year CCTV unlined concrete lines 15" and smaller. Will maintain \$500K each year with inspections of collector lines to assess condition and thereby improve O&M and reduce SSOs.	
		Manage Pipeline Inspection	Provide CCTV inspection primarily of existing sewer collector lines to identify O&M issues & thereby reduce SSOs. Also to accurately assess condition, and thereby prioritize for rehabilitation or replacement. Also investigate customer complaints or inquiries.	G-A, G-E, S-A	ABCWUA	Mark Holstad	Ongoing work by ABCWUA crews with ABCWUA-owned CCTV equipment. Two full time CCTV units with crews.	
<b>THREAT CONTROL</b>								
1	Underground Storage Tanks	Regulation Development	Monitor, inform, & recommend strategies for UST regulation revisions, such as risk-based corrective action.	G-A, G-E, S-A	AEHD	Paul Olson, Ken Ziegler	Built into staff costs. AEHD is assisting with City owned and operated facilities that have AST/USTs.	
2	Hazardous Materials/ Waste	Management of Hazardous Materials	Administer and enforce the City's hazardous materials/waste management requirements in GPPAP and Hazardous Waste Storage Policy.	G-A, G-C, G-D, S-A, S-B	AFD	Andrew Chavez	Progress in inspecting and permitting the estimated 6,000 affected businesses is slow due to staffing levels. Four Fire staff spend about 75% of their time on this effort, averaging 80 inspections per month.	
			Administer and enforce the County's hazardous materials/waste management requirements in GPPAP and accompanying Hazardous Waste Storage Policy.	G-A, G-C, G-D, S-A, S-B	BCFD	Chris Gober	Four staff perform 160 to 200 business inspections per month. Only 63 new business licenses issued in 2004.	
			NPDES/Pretreatment program: Issue permits, provide pollution prevention & waste minimization BMPs to businesses.	G-A, G-C, G-D, S-A, S-B	ABCWUA		Updating existing discharge permits for industries along with extra strength surcharges.	
		Household Hazardous Waste	Landfill gas monitoring	G-A, G-C, G-D, S-A, S-B	AEHD	Paul Olson	EHD oversee's the Emergency Response contract for the COA.	
		Arrange for Household Hazardous Waste Cleanups and disposal of abandoned waste.	G-A, G-C, G-D, S-A, S-B	BCPWD	Todd Hager	County funding includes \$50,000 for BC HHW collection events and orphan waste. \$135,000 to City's HHW/Reuse Center.		
		Provide Household Hazardous Waste Collection & Material Reuse Center. Provide satellite community collection events.	G-A, G-C, G-D, S-A, S-B	ASWD	Jake Daugherty	Albuquerque's Solid Waste Dpt manages program with BernCo support		
3	Landfill Monitoring	South Broadway/Mesa del Sol	Monitor for methane and ground water contamination.	G-B	BCPWD and COA	Jake Daugherty	Post closure completed, waiting on NMED on Post-closure Termination and Release	
		Los Angeles Landfill	Landfill gas monitoring	G-B			Samples checked every other week	
			Grade landfill	G-B	AEHD	Paul Olson	Conducted annually prior to AIBF	
				Continue ground water monitoring & remediation.	G-B		Bart Faris	Monitoring 27 wells quarterly and 20 wells annually.
				Monitor methane & groundwater at Cerro Colorado landfill.	G-B	ASWD	Jake Daugherty	Gas collection system in operation at CCLF. 14 ground water monitoring wells at CCLF. Methane monitoring at CCLF.
				Monitor methane at 6 former landfills.	G-B		Paul Olson	Methane monitoring wells installed at Yale, Eubank, San Antonio, Nazareth, Sacramento and Atrisco.
		Monitor, investigate, and remediate groundwater problems at 8 former landfills, where necessary.	G-B		Ken Ziegler	Monitoring 29 wells at 8 former landfills (excluding Los Angeles)		

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4	Stormwater/ Urban Runoff	Albuquerque NPDES Phase I Permit	Annual Water Quality Monitoring by USGS. Review pollution prevention plans for DMD construction projects.	S-A, S-E, S-G S-A, S-E, S-G	ADMD	Kathy Verhage	Cost shared with AMAFCA and USGS. City met permit requirements for TMDL for 2004-2010.
		City Construction Permits	Review pollution prevention plans for ABCWUA construction projects.	S-A, S-E, S-G	ABCWUA	John Gabaldon	Water Authority review PP plans as needed when provided in construction documents.
		County-Construction Permits	Review pollution prevention plans for all projects in unincorporated area	S-A, S-E, S-G	BCPWD	Kali Bronson	100% inspection per MS4 permit requirements
		Middle Rio Grande Albuquerque Watershed Restoration Action Strategy	Support implementation of WRAS using state and federal grant funds.	S-A, S-E, S-G	Cuidad Soil & Water Conservation District	Steve Glass	The Rio Grande-Albuquerque Watershed Restoration Action Strategy was completed in 2006 and updated in 2012. The document can be viewed and downloaded from the Ciudad SWCD website at <a href="http://www.ciudadswcd.org/projects/rio-grande-albuquerque-watershed-health">http://www.ciudadswcd.org/projects/rio-grande-albuquerque-watershed-health</a> . We have not been successful in seeking grant funds to update the WRAS to a Watershed Based Plan using EPA's 9-element framework, but is still pursuing this grant opportunity.
		Bernalillo County NPDES Watershed Permit	Implement Storm Water Quality Management Plan.	S-A, S-E, S-G	BCPWD	Kali Bronson	NOI submitted June 20, 2015 - awaiting EPA Response. Annual report submitted September 30 Currently covered by prior Phase II permit
5	Regional Database Monitoring	Digital Orthophotography	Provide new orthophotography of county.	S-E, S-G	BCPWD	Steve Daw	Costs shared between agencies. Aerials flown in every even numbered year.
		Permit Application Network	Maintain County GIS database to use for locating land use info, well and septic locations, floodzones, etc.	S-E, S-G	BCPWD	Steve Daw	GIS information updated daily. Information available to public through ACCELA Citizen
		Aquifer Surveillance Program	Production Well Monitoring	S-E, S-G	ABCWUA	Lori Pettit	Annual monitoring event at ABCWUA production wells and other area production wells (UNM, Four Hills Golf Course, COA Golf Course well, etc.)
		Well Monitoring Program	Monitoring Program for production wells near known or suspected contamination sites	S-E, S-G	ABCWUA	Lori Pettit	Well monitoring in varying frequencies based upon threat
<b>INTERJURISDICTIONAL COORDINATION &amp; COOPERATION</b>							
1	Cooperation and Coordination with State Agencies	State Technical Advisory Committee	Evaluate onsite wastewater treatment systems & products associated with the installation and operation of wastewater systems.	G-C, G-E, S-G	BCPWD	Glenn DeGuzman	Treatment units not approved by the TAC not allowed to be installed in BC. See NMED liquid waste website for meeting agendas and times.
		Superfund	Participate w/NMED on Bernalillo City sites monitoring, investigation, remediation, & decision making.	G-C, G-E, S-G	BCPWD	Dan McGregor	County continues to monitor all Superfund activity not within City jurisdiction
		Superfund	Participate w/NMED on Albuquerque area site monitoring, investigation, remediation, & decision making.	G-C, G-E, S-G	ABCWUA	Rick Shean	ABCWUA continues to monitor all Superfund activity in the Water Authority's service area.
		Superfund	Participate w/NMED on Albuquerque area site monitoring, investigation, remediation, & decision making.	G-C, G-E, S-G	AEHD	Bart Faris	City continues to monitor all Superfund activity
		KAFB Bulk Fuel Spill	The AEHD is part of the KAFB Citizen's Advisory Board (CAB).	G-C, G-E, S-G	AEHD	Bart Faris and Mary Lou Leonard	EHD continues to attend all KAFB CAB meetings
		KAFB Bulk Fuel Spill	ABCWUA is an active stakeholder and participant in technical, public and regulatory update meetings.	G-C, G-E, S-G	ABCWUA	Rick Shean	ABCWUA contracted with Intera for Third-Party Review of Technical plans and reports, and participates in regular technical, public and stakeholder meetings.
		Ciudad Soil and Water Conservation District	Watershed Restoration Action Strategy	G-C, G-E, S-G	Cuidad Soil & Water Conservation District	Steve Glass	The Rio Grande-Albuquerque Watershed Restoration Action Strategy was completed in 2006 and updated in 2012. The document can be viewed and downloaded from the Ciudad SWCD website at <a href="http://www.ciudadswcd.org/projects/rio-grande-albuquerque-watershed-health">http://www.ciudadswcd.org/projects/rio-grande-albuquerque-watershed-health</a> . We have not been successful in seeking grant funds to update the WRAS to a Watershed Based Plan using EPA's 9-element framework, but we still hope to do so.
		UST	Participate w/NMED on Albuquerque area site monitoring, investigation, remediation, & decision making.	G-C, G-E, S-G	AEHD	Bart Faris	City kept informed of current high-profile sites and meets periodically with NMED staff on tank issues.
			County responsible for sampling, monitoring and maintenance at four legacy UST sites	G-C, G-E, S-G	BCPWD	Phillip Rust	Sites remediation is natural attenuation. Retained on list due to iron and manganese concentrations
		Mid-Region Water Resources Board	Implement regional water plan.	G-C, G-E, S-G G-C, G-E, S-G G-C, G-E, S-G	ABCWUA AEHD BCPWD	Mark Sanchez and Frank Roth Bart Faris Dan McGregor	MRG Plan being revised by ISC to meet 'Common Technical Basis' approach - draft due from state late 2016
2	Cooperation & Coordination with Federal Agencies	Superfund	Participate w/EPA on Albuquerque area site monitoring, investigation, remediation, & decision making.	G-C, G-E, S-G	AEHD	Mary Lou Leonard & Bart Faris	City continues to monitor all area Superfund activities through new Site Assessment activities and input of five year EPA site reviews.
		Superfund	Participate w/EPA on Albuquerque area site monitoring, investigation, remediation, & decision making.	G-C, G-E, S-G	ABCWUA	Rick Shean	Water Authority continues to monitor all area Superfund activities through new Site Assessment activities and input of five year EPA site reviews.
		DOD/DOE Coordination	Participate in ongoing environmental restoration activities review.	G-C, G-E, S-G	ABCWUA	Rick Shean	Water Authority reviews annual reports and receives updates from DOE/DOD staff, concerned citizens, and attend public meetings.
		DOD/DOE Coordination	Participate in ongoing environmental restoration activities review.	G-C, G-E, S-G	AEHD	Bart Faris	Staff attend DOE and DOD public meetings as needed.

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<b>WATER RESOURCES MANAGEMENT PLANNING</b>							
1	Bernalillo County Water Conservation	Water Conservation Program	Implement Water Conservation Plan for Bernalillo County	G-C, G-F, S-G	BCPWD	Carlos Bustos	Ordinance revised May 2010. Incentive programs on-going. BOR grant to work with small water systems on metering and rate structure development.
2	Albuquerque Water Resources Management Strategy	Water Conservation Program	Implement and monitor program components to reduce citywide water use by 40%.	G-C, G-F, S-G	ABCWUA	Katherine Yuhas	30% reduction goal achieved by March of 2005. 40% goal to be achieved by 2015, but were met by the ratepayers in 2011. GPCD goal of 135 set for 2024 but achieved in 2014.
		USGS Studies	Various technical investigations on area geology/hydrology.	G-C, G-E, G-F, S-G	ABCWUA	John Stomp, Rick Shean, and Katherine Yuhas	Authority approved 5 year agreement for '13 - '18.
		Drinking Water Project	Design, compliance, construction and monitoring of three habitat restoration areas for endangered species, near Paseo del Norte	G-C, G-E, G-F, S-G	ABCWUA	Rick Billings	Water Authority continues to provide funding to the BioPark silvery minnow refugium. Habitat restoration projects have been completed and are being operated and maintained. Water Authority staff also continue to participate in minnow and habitat monitoring programs with other agencies.
		Mid-Region Water Conservation	Implement regional Water Conservation programs, rates, and policies.	G-C, G-E, G-F, S-G	ABCWUA	Katherine Yuhas	Water Authority staff attend meetings of numerous regional planning groups so that we may work cooperatively to manage the water resources of the Middle Rio Grande.
			Water Waste Enforcement Program	G-C, G-E, G-F, S-G	ABCWUA	Angelique Maldonado	Water waste enforcement with an emphasis on ICI customer classes.
			Implement regional Water Conservation programs, rates, and policies.	G-C, G-E, G-F, S-G	MRCOG	Sandy Gaiser	
			Implement regional Water Conservation programs, rates, and policies.	G-C, G-E, G-F, S-G	BCPW	Dan McGregor	Incentive programs continue, initial outreach to small utilities is underway.
<b>PUBLIC INVOLVEMENT &amp; TECHNICAL ASSISTANCE</b>							
	Public Information and Education	Outreach	Inform/Prepare communities and homeowners in unincorporated areas of BC about septic system upgrade requirements for 2015		BCPWD	Glenn DeGuzman / Dan McGregor	Ordinance updated 2014. Outreach efforts to address unpermitted systems, aging systems evaluations, and must-connect provisions
			APS coordination/presentations; revise/develop educational print materials.		ABCWUA	Sharon Swinski	Contracts with four private contractors who teach RIO Field Trips and teach hands-on science activities about water in classroom presentations k - 12.
			Inform and educate public about storm water quality concerns.		ADMD	Kathy Verhage (SW Action Team)	Joint COA/AMAFCA/DOT public education and outreach underway.
			ABCWUA Annual Water Quality Report		ABCWUA	Lori Pettit	SDWA mandated report
			Pretreatment Outreach Materials and Recognition Awards		ABCWUA	Jane Rael	Pollution Prevention Program
			Inform and educate public about storm water quality concerns.		BCPWD	Kali Bronson	Public Education & Outreach continues, via regular participation in community events, approximately 1/month and sponsorship of ARID/LID conference workshop
			Inform and educate public about storm water quality concerns.		COA/Storm Water Management Section	Kathy Verhage	Supplied Open Space and Parks & Rec with 20,000 mutt mitts to restock supply boxes. Purchased 2000 door hangers with storm water pollution prevention tips. Distributed over 3000 Scoop the Poop brochures to animal shelters to educate new pet owners about picking up dog waste. Funded the Nature Conservancy and Earth Force \$10K each to lead field trips and educate students about watersheds and river health.
			Household Pharmaceuticals Disposal Program	Pharmaceutical take back program.		AEHD & APD	Bart Farris & Mark Adams
	AquaRX	Drug Disposal Awareness Program		ABCWUA	David Morris/Jane Rael	Originally started as part of the NM AG Office Task Force. Currently, it is solely advertising for the DEA.gov National Take-Back events.	