

Appendix E

Action Plan

[This page intentionally left blank.]

ACTION PLAN: COUNTY-WIDE						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
LC1	Include Source Water Protection in Plans and Policies	Communicate with the Lincoln County Fire Protection District and Emergency Management team to update the Lincoln County & City of Caliente Hazard Mitigation Plan to include Source Water Protection.	High	Lincoln County Fire Protection District, City of Caliente, Lincoln County Planning Department	Technical Assistance, GIS Assistance	2023 - 2024
LC2	Include Source Water Protection in Plans and Policies	Consider incorporating source water protection measures in the Natural Resource section of the Lincoln County Master Plan (i.e., referencing source water protection plans from Lincoln County, Virgin River Valley, and Moapa Valley).	High	Lincoln County Planning Department, Public Water Systems, ISWPP, Virgin Valley Water District, Moapa Valley Water District	Technical Assistance, GIS Assistance	2023 - 2024
LC3	Include Source Water Protection in Plans and Policies	Consider including source water protection in updates of other planning documents, for example: Lincoln County Public Lands Policy.	Low	Lincoln County Planning Department	Technical Assistance, GIS Assistance	2024 - 2026
LC4	Include Source Water Protection in Plans and Policies	Consider developing GIS data layer and mapping tools related to source water protection.	Low	Lincoln County Planning Department, Public Water Systems, NvRWA, ISWPP	Technical Assistance, GIS Assistance	On-going
LC5	Collaborate with Local and Regional Partners	Coordinate with public land managers to build recognition of local water supplies and source water protection efforts.	Low	Lincoln County Conservation District, BLM, Lincoln County Planning Department, Public Water Systems, NvRWA	Technical Assistance	2024 - 2026

ACTION PLAN: COUNTY-WIDE						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
LC6	Collaborate with Local and Regional Partners	Coordinate with public land managers and private landowners to address wildfire risk in watersheds with Source Water Protection Areas.	Moderate	Lincoln County Planning Department, Lincoln County Fire Protection District, Lincoln County Conservation District, NvRWA, BLM, Nevada Division of Forestry, Public Water Systems	Technical Assistance, Funding Assistance for Projects	2024 - 2026
LC7	Collaborate with Local and Regional Partners	Schedule a biennial meeting with the local planning team to discuss source water protection accomplishments and potential plan updates. Prefer to meet in early February of even years.	Moderate	Local Planning Team, ISWPP, NvRWA	Technical Assistance, Coordination Assistance	Every 2 years starting February 2024
LC8	Collaborate with Local and Regional Partners	Consider coordinating with public land managers and private landowners to expand source water protection knowledge around popular areas known for dispersed camping and recreation, prioritizing Eagle Valley SWPA (e.g., no-dumping signage, Source Water Protection Area signage).	Moderate	Lincoln County Planning Department, Public Water Systems in Eagle Valley, BLM	Funding Assistance	2024
LC9	Collaborate with Local and Regional Partners	Encourage Source Water Protection collaboration with partners in the Toquop and Coyote Springs areas.	High	Lincoln County Planning Department, Lincoln County Water District, Virgin Valley Water District, City of Mesquite, Coyote Springs Development	Technical Assistance	2024 - 2028
LC10	Education and Outreach	Make publicly available the Lincoln County Community Source Water Protection Plan.	High	Lincoln County Planning Department, Public Water Systems	Technical Assistance, IT Assistance	2023

ACTION PLAN: COUNTY-WIDE						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
LC11	Education and Outreach	Participate in educational event for children (K-12) related to source water protection, for example: STEM Nights, classroom presentations.	Moderate	NvRWA, Lincoln County Library System, Public Water Systems	Technical Assistance, Educational Materials	On-going
LC12	Education and Outreach	Consider outreach and education about why and how to protect source water for Non-Community and Non-Transient Non-Community Public Water Systems.	Moderate	Lincoln County Planning Department, NvRWA, ISWPP	Technical Assistance, Educational Materials	On-going
LC13	Address Wellhead and Spring Vulnerability	Coordinate with NDEP on the availability of, and eligibility for, funding to address emerging contaminants.	High	Lincoln County Planning Department, Nevada Division of Environmental Protection, Public Water Systems, ISWPP	Technical Assistance, Funding Assistance	As Needed

ACTION PLAN: ALAMO SEWER & WATER GID						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
ASW1	Education and Outreach	Provide education to the public and small business owners about the importance of source water protection, for example: proper disposal of waste materials, septic systems, private wells, responsible maintenance of equipment/machinery.	Low	NvRWA	Technical Assistance, Educational Materials	On-going
ASW2	Address Wellhead and Spring Vulnerability	Investigate funding for abandonment of orphaned, inactive, or existing unused wells.	High	Nevada Division of Environmental Protection, NvRWA	Technical Assistance, Funding Assistance	2023 - 2024
ASW3	Address Wellhead and Spring Vulnerability	Manage or monitor activities and potential contaminant sources in the 100-Foot Buffer Area around wellheads.	Moderate	Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	As Needed
ASW4	Address Wellhead and Spring Vulnerability	Coordinate with NDEP on the availability of, and eligibility for, funding to address emerging contaminants.	High	Nevada Division of Environmental Protection, ISWPP	Technical Assistance, Funding Assistance	As Needed
ASW5	Plan for Future Uses	Explore wastewater disposal options for future industrial development areas.	Low	Lincoln County Planning Department, Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	As Needed
Implemented	Collaborate with Local and Regional Partners	Promote a spill-response program for small business owners located within a source water protection area. – <i>Identified in 2005 WHPP</i>	N/A	N/A	N/A	Completed

ACTION PLAN: ALAMO SEWER & WATER GID						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
Implemented	Education and Outreach	Inform high school machine shop with an Aboveground Storage Tank of risk to a source water protection area. – <i>Identified in 2005 WHPP</i>	N/A	N/A	N/A	Completed
Implemented	Address Wellhead and Spring Vulnerability	Well 04 has a shallow screened interval (12 feet), less than the required 50 feet. – <i>Identified in 2005 WHPP</i>	N/A no longer for public consumption	N/A	N/A	Completed
Implemented	Address Wellhead and Spring Vulnerability	Improve security measures around Wells 01, 02, 03, 05, 06, and AIP. – <i>Identified in 2005 WHPP</i>	N/A no longer for public consumption	N/A	N/A	Completed

ACTION PLAN: CITY OF CALIENTE PUBLIC UTILITIES						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
C1	Include Source Water Protection in Plans and Policies	Consider incorporating source water protection measures in the City of Caliente Master Plan.	Low	ISWPP	Technical Assistance	As Needed
C2	Collaborate with Local and Regional Partners	Review coordination with local and State emergency managers to ensure Public Water Systems are notified of upstream spills along Clover Creek or Meadow Valley Wash.	High	Lincoln County Fire Protection District, Union Pacific Railroad, Nevada Department of Transportation, Nevada Division of Environmental Protection (Bureau of Corrective Actions)	Technical Assistance	2023 - 2024
C3	Education and Outreach	Provide education to the public and small business owners about the importance of source water protection, for example: proper disposal of waste materials, septic systems, private wells, responsible maintenance of equipment/machinery.	Low	NvRWA	Technical Assistance, Educational Materials	On-going
C4	Address Wellhead and Spring Vulnerability	Manage or monitor activities and potential contaminant sources in the 100-Foot Buffer Area around wellheads.	Moderate	Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	As Needed
C5	Address Wellhead and Spring Vulnerability	Coordinate with NDEP on the availability of, and eligibility for, funding to address emerging contaminants.	High	Nevada Division of Environmental Protection, ISWPP	Technical Assistance, Funding Assistance	As Needed

ACTION PLAN: CITY OF CALIENTE PUBLIC UTILITIES						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
C6	Consider Watershed in Planning	Coordination with partners on vegetation management and fire risk in the Clover Creek watershed.	Moderate	Lincoln County Conservation District, Lincoln County Fire Protection District, Lincoln County Planning Department, BLM	Technical Assistance, Funding Assistance	On-going
Implemented	Address Wellhead and Spring Vulnerability	Abandon Well 02. – <i>Identified in 2004 WHPP</i>	N/A	N/A	N/A	Completed

ACTION PLAN: LINCOLN COUNTY WATER DISTRICT						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
LCWD1	Include Source Water Protection in Plans and Policies	Consider including source water protection in updates of the Lincoln County Water Plan.	High	Lincoln County Planning Department	Technical Assistance	2024 - 2026
LCWD2	Collaborate with Local and Regional Partners	Coordinate with public land managers to inform them of Source Water Protection Areas.	Moderate	Lincoln County Planning Department, BLM	N/A	2023 - 2024
LCWD3	Address Wellhead and Spring Vulnerability	Facilitate securing funding for wellhead improvement projects, for example: signage, walls, fencing, and wellhouses.	Moderate	Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	2023 - 2026
LCWD4	Address Wellhead and Spring Vulnerability	Manage or monitor activities and potential contaminant sources in the 100-Foot Buffer Area around wellheads.	Moderate	Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	As needed

ACTION PLAN: PANACA FARMSTEAD ASSOCIATION						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
PFA1	Address Wellhead and Spring Vulnerability	Investigate funding for abandoning orphaned wells in Source Water Protection Areas.	Moderate	Nevada Division of Environmental Protection, NvRWA	Technical Assistance, Funding Assistance	2024
PFA2	Address Wellhead and Spring Vulnerability	Manage or monitor activities and potential contaminant sources in the 100-Foot Buffer Area around wellheads.	Moderate	Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	As needed
PFA3	Address Wellhead and Spring Vulnerability	Consider investigating risk of flooding and erosion around wellheads.	Low	Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	As Needed
PFA4	Address Wellhead and Spring Vulnerability	Coordinate with NDEP on the availability of, and eligibility for, funding to address emerging contaminants.	High	Nevada Division of Environmental Protection, ISWPP	Technical Assistance, Funding Assistance	As Needed

ACTION PLAN: PIOCHE / CASTLETON PUBLIC UTILITIES						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
PPU1	Collaborate with Local and Regional Partners	Consider making an inventory of orphaned wells or privately used wells, for example: using tax records, Pioche Public Utilities provider service list.	Low	Lincoln County Planning Department	Technical Assistance	As Needed
PPU2	Education and Outreach	Promote public education about the importance of protecting source water, for example: outreach flyers about private wells, proper disposal of waste, septic systems.	Moderate	NvRWA	Technical Assistance, Educational Materials	On-going
PPU3	Address Wellhead and Spring Vulnerability	Monitor root growth at Floral Spring. – <i>Identified in 2004 WHPP</i>	Completed / High	N/A	N/A	On-going
PPU4	Address Wellhead and Spring Vulnerability	Improve erosion control around wellheads and spring developments.	High	NvRWA, Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	2023 - 2024
PPU5	Address Wellhead and Spring Vulnerability	Consider conducting a hydrologic study and/or additional monitoring of wells in the area for future investigation of septic infiltration into groundwater.	Low	NvRWA	Technical Assistance	As Needed
PPU6	Address Wellhead and Spring Vulnerability	Manage or monitor activities and potential contaminant sources in the 100-Foot Buffer Area around wellheads.	Moderate	Nevada Division of Environmental Protection	Technical Assistance, Funding Assistance	As Needed
PPU7	Address Wellhead and Spring Vulnerability	Coordinate with NDEP on the availability of, and eligibility for, funding to address emerging contaminants.	High	Nevada Division of Environmental Protection, ISWPP	Technical Assistance, Funding Assistance	As Needed

ACTION PLAN: PIOCHE / CASTLETON PUBLIC UTILITIES						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
PPU8	Plan for Future Uses	Consider securing the land around wells and springs to provide a source water protection buffer, for example: Lime Spring and Old Mill Well.	Moderate	Nevada Division of Environmental Protection (Office of Financial Assistance)	Technical Assistance, Funding Assistance	Future
PPU9	Plan for Future Uses	Investigate feasibility of relocating the wastewater treatment facility to a location down gradient from water supply wells.	Low	Nevada Division of Environmental Protection, NvRWA	Technical Assistance, Funding Assistance	Future
PPU10	Plan for Future Uses	Plan for future conversions to sewer system, for example: review development standards and building codes.	Low	Lincoln County Planning Department, NvRWA	Technical Assistance, Funding Assistance	2024 - 2026
PPU11	Consider Watershed in Planning	Acknowledge the value of watershed management in protecting source water for Floral and Lime Springs, for example: wildfire risk management, fencing, and spring development.	Low	Lincoln County Conservation District, Lincoln County Planning Department, BLM, NvRWA	Technical Assistance	2024 - 2026

ACTION PLAN: LINCOLN COUNTY CONSERVATION DISTRICT						
Management Strategy		Action Description	Priority	Source Water Protection Partners	Type of Assistance Needed	Expected Schedule
LCCD1	Collaborate with Local and Regional Partners	Coordinate with NRCS and local partners to explore and secure funding for source water protection related conservation practices in Lincoln County (for example lining or piping irrigation ditches).	High	Lincoln County Planning Department, Irrigation Districts, Agricultural Producers	Technical Assistance, Funding Assistance	2024 - 2029