



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1201 ELM STREET, SUITE 500
DALLAS, TEXAS 75270

November 24, 2021

James C. Kenney, Secretary
New Mexico Environment Department
P.O. Box 5469
Santa Fe, NM 87502

RE: Approval of the *Total Maximum Daily Loads (TMDLs) for the Jemez River Watershed and Bluewater Lake*.

Dear Mr. Kenney:

The U.S. Environmental Protection Agency has received the New Mexico Surface Water Quality Bureau's request for EPA review and approval of the final documents titled Total Maximum Daily Loads (TMDL) for the Jemez River Watershed and Total Maximum Daily Load (TMDL) for Bluewater Lake (henceforth, 'Final Reports'). EPA received the Final Reports and submission letter on November 8, 2021. The Final Reports include TMDLs for dissolved arsenic, specific conductance, temperature, and turbidity for the Jemez River Watershed; and total nitrogen and total phosphorus for Bluewater Lake.

Based on our review, we conclude that the TMDLs contained in the Final Reports meet the requirements found in Section 303(d) of the Clean Water Act and the implementing regulations found at 40 CFR § 130.7. The EPA is pleased to approve the TMDLs contained in the Final Reports as summarized in the enclosed table. The EPA also acknowledges that these TMDLs will be incorporated as updates to the State of New Mexico Water Quality Management Plan and the Continuing Planning Process (WQMP/CPP).

We appreciate the opportunity to work closely with the Surface Water Quality Bureau, and we commend you and your staff for the considerable effort that went into developing these TMDLs. If you would like to discuss these approvals, please contact me at (214) 665-8138 or Robert Cook of my staff at (214) 665-7141.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles W. Maguire", is positioned above the printed name.

Charles W. Maguire
Director
Water Division

Enclosure (1)

cc: Rebecca Roose, NMED, Water Protection Division Director
Shelly Lemon, NMED, Surface Water Quality Bureau Chief
Heidi Henderson, NMED, Assessment and TMDL Team

Enclosure: Summary Table for the *TMDLs for the Jemez River Watershed and Bluewater Lake*.

Table 1: TMDL Allocations – Jemez River Watershed and Bluewater Lake						
Jemez River Watershed						
Pollutant		TMDL	WLA	WLA _{Growth}	LA	MOS
Clear Creek (Rio de las Vacas to San Gregorio Lake), NM-2106.A_54						
<i>Temperature (kilojoules/day)</i>		1.41 x 10 ⁷	0	0	1.20 x 10 ⁷	2.12 x 10 ⁶
Jemez River (Zia Pueblo bnd to Jemez Pueblo bnd), NM-2105_75						
<i>Temperature (kilojoules/day)</i>		1.36 x 10 ⁹	0	0	1.22 x 10 ⁹	1.36 x 10 ⁸
Rio Guadalupe (Jemez River to confl with Rio Cebolla), NM-2106.A_30						
<i>Specific Conductance (as lb/day TDS)</i>		7017.5	0	0	6315.7	701.8
Rito de los Indios (San Antonio Creek to headwaters), NM-2106.A_24						
<i>Temperature (kilojoules/day)</i>		1.32 x 10 ⁸	0	0	1.19 x 10 ⁸	1.32 x 10 ⁷
<i>Turbidity (as lb/day TSS)</i>	Duration (consecutive hrs)	TMDL	WLA	WLA _{Growth}	LA	MOS
	720	85.39	0	0	72.58	12.81
	336	67.72	0	0	57.57	10.16
	168	57.80	0	0	49.13	8.67
	144	49.35	0	0	41.95	7.40
	120	45.68	0	0	38.83	6.85
	96	34.71	0	0	29.50	5.21
	72	29.65	0	0	25.20	4.45
Vallecito Ck (Jemez Pueblo bnd to Div abv Ponderosa), NM-2105.5_20						
<i>Dissolved Arsenic (lb/day)</i>		0.0023	0	0	0.0020	0.0003
Bluewater Lake, NM-2107.B_00						
Pollutant		TMDL	WLA	WLA _{Growth}	LA	MOS
<i>Total Nitrogen (mg/L)</i>		0.9	0	0	0.81	0.09
<i>Total Phosphorus (mg/L)</i>		0.03	0	0	0.027	0.003