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NMED and Produced Water Act

AN ACT RELATING TO NATURAL RESOURCES; ENACTING THE PRODUCED WATER ACT; ESTABLISHING CONTROL AND RESPONSIBILITY FOR PRODUCED WATER; ALLOWING THE USE OF TREATED OR RECYCLED PRODUCED WATER; DECLARING CERTAIN CONTRACT PROVISIONS RELATING TO PRODUCED WATER VOID AGAINST PUBLIC POLICY; AMENDING AND ADDING DEFINITIONS; AMENDING THE DUTIES OF THE OIL CONSERVATION DIVISION OF THE ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT AND THE WATER QUALITY CONTROL COMMISSION; MAKING CONFORMING TECHNICAL CHANGES; A OIL AND GAS ACT REGARDING VIOLATIONS; PROVIDING F PENALTIES; REQUIRING ANNUAL REPORTS; AMENDING AN SECTIONS OF THE NMSA 1978.

BE IT ENACTED BY THE LEGISLATURE OF THE STAT

SECTION 1. A new section of Chapter enacted to read:

"SHORT TITLE. -- Sections 1 through 5

cited as the "Produced Water Act"."



Environment Department Game and Fish Department Department of Agriculture State Parks Division Bureau of Geology and Mineral Resources

WATER QUALITY CONTROL COMMISSION 1190 St. Francis Drive, Suite S-2102 Santa Fe, New Mexico 87505 Phone: (505) 827-2428 CONSTITUENT AGENCIES

State Engineer & Interstate Stream Commission Oil Conservation Division Soil and Water Conservation Commission Department of Health Members-at-Large



Key Provisions of the Produced Water Act

- Protects water quality by closing important regulatory gaps with respect to produced water transportation, storage and treatment.
- Clarifies regulatory jurisdiction. When produced water is:
 - Reused or recycled for use <u>in</u> the oil and natural gas industry, EMNRD has jurisdiction of these activities.
 - Treated for use <u>outside</u> of the oil and natural gas industry, the New Mexico Environment Department (NMED) has jurisdiction of these activities.
- Requires NMED to draft regulations to present before the Water Quality Control Commission (WQCC) that address the discharge, handling, transport, storage, and recycling or treatment of produced water or byproduct thereof outside the oilfield.



Produced Water and Water Quality Act

- In adopting regulations, the Water Quality Act <u>requires</u> the WQCC to consider:
 - Character and degree of injury to or interference with health, welfare, environment and property;
 - **Public interest**, including the social and economic value of the sources of water contaminants;
 - **Technical practicability and economic reasonableness** of reducing or eliminating water contaminants from the sources involved and previous experience with equipment and methods available to control the water contaminants involved;
 - Successive uses, including domestic, commercial, industrial, pastoral, agricultural, wildlife and recreational uses;
 - **Feasibility** of a user or a subsequent user treating the water before a subsequent use;
 - Property rights and accustomed uses; and
 - Federal water quality requirements.



NMED Implementation Activities

Public outreach and targeted tribal outreach

- □ Started in October 2019 and ongoing
- □ FAQs posted January 2020 (available at https://www.env.nm.gov/new-mexico-produced-water/faq-page/)

NMED's path for produced water regulations:

- □ Beginning in 2020, develop rules that:
 - Prohibit untreated produced water use outside of the oil and natural gas industry (e.g., crop irrigation) and
 - Require companies to analyze and disclose the chemical constituents in produced water intended for treatment and reuse outside of the oil and natural gas industry.
- Over time and as the science dictates, develop rules for the "discharge, handling, transport, storage, and recycling or treatment of produced water or byproduct thereof outside the oilfield" (excerpt from Produced Water Act, HB 546).



NMED Partnership with NM State University

Examples of NMED's research questions related to filling the science and technology gaps:

- What contaminants are in the produced water generated in NM?
- How can the produced water be treated to be safe?
- What changes are needed to our state water quality standards to protect water resources and human health?



NM Produced Water Research Consortium



Details available at https://nmpwrc.nmsu.edu/.

- NMED contacts for treatment of produced water for offfield use:
 - Rebecca Roose, Water Protection Division Director,
 <u>Rebecca.Roose@state.nm.us</u>
 - Annie Maxfield, Assistant General Counsel, Annie.Maxfield@state.nm.us

 Sign-up for NMED updates on Produced Water at https://public.govdelivery.com/accounts/NMED/subscri ber/new.