January 12, 2022

Ms. Kari Parsons
Project Manager
El Paso County Development Office
2880 International Circle
Colorado Springs, CO 80903

SUBJECT: ADM REQUEST – TOWN OF RAMAH WASTEWATER TREATMENT PLANT IMPROVEMENTS

Dear Ms. Parsons,

This Administrative Determination Request letter is being submitted in support of the Town of Ramah Wastewater Treatment Plant Improvements Project (Project) in accordance with the El Paso County *Guidelines and Regulations for Areas and Activities of State Interest* (1041 Guidelines). Element Engineering, on behalf of the Town of Ramah (Owner), is preparing submittal requirements for a 1041 application for the Project, and is seeking administrative approval for the Project.

The forthcoming 1041 permit application will address the requirements outlined in Chapters 1 through 4 of the 1041 Guidelines. Chapters 5 through 9 do not apply because the Project does not involve a public energy utility, will not be constructed within a floodplain or other natural hazard area, is not an expansion of an airport, and does not involve construction of highways, interchanges, or mass transit facilities.

The below information is submitted in accordance with the requirements outlined in Chapter 2, Article 2 of the 1041 Guidelines, entitled *Pre-Application*. The relevant requirements are summarized herein, followed by the required information in italics.

Section 2.201 - Pre-Application Procedure

(3)(a) Name and address of all persons or interests proposing the activity or development.

Response:	***Owner:***	***Applicant:***
	Town of Ramah	*Town of Ramah*
	113 S. Commercial St,	*113 S. Commercial St,*
	Ramah, CO 80832	*Ramah, CO 80832*

(3)(b) Name and qualifications of the person(s) responding to the requirements detailed in these Regulations.

Response: ***Engineer:***
Karl Duffield, EIT
Element Engineering, LLC
12687 West Cedar Drive, Suite 300
Lakewood, CO 80228

(3)(c) A written summary of the Project including: a map showing the project boundary, the existing wastewater system, topographic and geographic features, and proposed improvements.

Response: The Town of Ramah is located in the far corner of north eastern El Paso County, approximately 40 miles northeast of Colorado Springs adjacent to US Highway 24, in Section 1, Township 11 south, Range 61 West of the 6th Principal Meridian. The project includes the construction of three evaporation ponds that will replace the wastewater treatment in Ramah that consists of the existing influent septic tank and wastewater lagoon. The new evaporation ponds will also require the construction of an influent wet well lift station approximately 3,800 feet of force main to convey the gravity collection system waste stream to the ponds. The lift station will include a manually raked bar screen, magnetic flow meter, two submersible pumps and overflow bypass tank sized for two hours of storage for the peak hour flow (5,040 gallons). The evaporation ponds and lift station will be constructed on land owned by the Town of Ramah. The force main will be constructed on land owned by the town and in existing Town and County right-of-way corridors. The construction of the evaporation ponds and lift station will result in the decommissioning of the existing wastewater lagoon and septic tank that are currently used for wastewater treatment. As of 2019, there were approximately 130 residents in the Ramah service area and it is estimated that the end of the 20-year planning period in 2041 there will be 151 residents in the service area for Ramah. The lift station and evaporation ponds are being designed to the handle the anticipated future flows with 151 residents in the service area. Operation of the lift station and evaporation ponds and maintenance of all piping and equipment owned by the Town will be the responsibility of the owner. Project maps are attached.

(3)(d) Information that is sufficient for determining the nature of the Project and the type, extent, and location of impacts associated with the Project.

Response: The proposed lift station will be located on currently undeveloped town property at the parcel situated between Rock Island Drive, North Commercial Street and Railroad Street. The proposed evaporation ponds will be located on town property the has previously been used for agricultural use before being acquired by the town for the evaporation ponds. The evaporation ponds parcel is located on the east site of East Ramah Road adjacent to the Ramah Cemetery. The wet well lift station will be installed with two submersible pumps for redundancy. The proposed lift station will include a 5,040 gallon overflow tank sized to contain two hours of peak hour flow for emergencies with the influent lift station or its pumps. The proposed force main will be installed along existing right-of-way and will discharge into an influent splitter structure that will then divert the waste flow into each of the evaporation ponds via gravity piping with control valves to isolate flow into any of the three ponds as necessary. It is anticipated that the current average day flows into the lift station and evaporation ponds will be 11,203 gpd and at the end of the 20-year

planning period it will be 12,855 gpd. The proposed permitted hydraulic limit for the 30-day average influent flow is 15,000 gpd. With a permitted hydraulic limit peaking factor of 4, the design flow for the lift station is 60,000 gpd (42 gpm).

If you have questions, concerns, or require additional information, please feel free to contact me by phone at (303) 518-2361 or by email at karld@elementengineering.net

Sincerely,

ELEMENT ENGINEERING

Karl Duffield, EIT
Project Engineer