



GARNET 21-K PAD WATER PLAN

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Article I. Introduction
Location Information

This document provides site-specific information for the Garnet 21-K Pad Form 2A as the Garnet 21-K Pad OGD. The information in this document relates specifically to the time during the construction, drilling, and completion, and production of the twenty-four (24) proposed horizontal wells on this location.

The proposed location is rangeland located North of WCR 78 between WCR 29 and WCR 31 using an existing access onto WCR 78. The Pad will be in NWSE Section 21, Township 7 North, Range 66 West zoned AG within Weld County's Near-Urban Planning Area. A 1041 WOGLA was filed as 1041WOGLA20-0093 on 2/18/2021 and approved at hearing on 4/23/2021.

The proposed Pad will be approximately 13 acres, reduced to 6 acres after interim reclamation. The working pad surface will be 9.2 acres. The Pad is on Parcel 070721000040 owned by the City of Thornton. The location is currently used for farming.

The proposed production facility equipment for the Garnet 21-K Pad will be located within the Working Pad Surface adjacent to the wells and will consist of oil tanks, water tanks, multi-use tanks, separators, meters, Instrument Air System, enclosed combustion devices (ECD), gas compressors, Gas Lift, LACT Units, Scrubbers, Sumps, Water Transfer Skid, and proposed electrical and/or solar equipment.

Phase	Duration (days)	Estimated Start Date
Construction	30	1 st Quarter (March) 2022
Drilling	150	2 nd Quarter (April) 2022
Completion	180	3 rd Quarter (September) 2022
Flowback	60	1 st Quarter (February) 2023
Production	25 Years	3 rd Quarter (August) 2023
Interim Reclamation	10	4 th Quarter (April) 2048*

**or the first favorable growing season.*

Article II. Water Sources
Source Details

The planned source and volume of all surface water and Groundwater to be used and the coordinates of the planned source of water:

Drilling:

Source Name	Source Type	Latitude	Longitude	Est. Used Volume	Transport Method
City of Eaton	Mix of Fresh Surface/Ground Water	40.525407	-104.708444	4000 BBL	Truck

Completion:

Source Name	Source Type	Latitude	Longitude	Est. Used Volume	Transport Method
Larimer Ditch Company	Irrigation Ditch	40.552027	-104.784390	11,000,000 BBLs	Surface Pipe



The seller's name and address (if water is to be purchased):

Town of Eaton
Water Depot
223 1st St
Eaton, Colorado 80615
(970) 454-3338

Larimer and Weld Reservoir Company
106 Elm, Box 206
Eaton, Colorado 80615
Division: South Platte River Basin
Phone: (970) 454 3377

Water Recycling or Re-Use

No recycled or reused water is anticipated to be used. Operator does not intend to use recycled or reused water because of engineering, economic, and water quality limitations.

Background Concentrations

(per Table 437-1): [Concentrations are N/A, as recycled or reused water not anticipated]

Ingredient Name	CAS #	Concentration
Benzene	71-43-2	
Lead	7439-92-1	
Mercury	7439-97-6	
Arsenic	740-38-2	
Cadmium	7440-43-9	
Chromium	7440-47-3	
Ethylbenzene	100-41-4	
Xylene	1330-20-7	
1,3,5-trimethylbenzene	108-67-8	
1,4-dioxane	123-91-1	
1-butanol	71-36-3	
2-butoxyethanol	111-76-2	
N,N-dimethylformamide	68-12-2	
2-ethylhexanol	104-76-7	
2-mercaptoethanol	60-24-2	
benzene, 1,1'-oxybis-,tetrapropylene derivatives, sulfonated, sodium salts (BOTS)	119345-04-9	
butyl glycidyl ether	8-6-2426	
Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides (QAC)	61789-77-3	



Bis hexamethylene triamine penta methylene phosphonic acid (BMPA)	35657-77-3	
Diethylenetriamine penta (methylene- phosphonic acid) (DMPA)	15827-60-8	
FD&C blue no. 1	3844-45-9	
Tetrakis (triethanolaminato) zirconium (IV) (TTZ)	101033-44-7	

Article III. Exhibits/References/Appendices

None.