



UPPER CLEAR CREEK WATERSHED ASSOCIATION

December 5, 2023

Re: Idaho Springs RV Park Lift Station A and Force Main Referral Request for Modification

In July 2023 KLJ Engineering firm responded to UCCWA's questions regarding the design information UCCWA received as a referral from CDPHE on the Idaho Springs RV Park Lift Station A and Force Main. Based on the information provided at that time, UCCWA determined not to recommend referral. UCCWA emailed the KLJ Engineering firm with questions from the membership. The questions and the responses to those questions are below in this memo.

On the October 12, 2023, UCCWA regular meeting, Chuck Williams with KLJ Engineering presented the Idaho Springs RV Park Lift Station A and Force Main project description located around 2700 Stanley Road in Idaho Springs to develop 55 RV pad sites. A map was provided showing proximity to the Central Clear Creek Sanitation District. They informed UCCWA the force main design would be changed to meet CDPHE Design Criteria. A description of the Force Main was provided. Overflow storage was addressed via piping and the operator has the ability to close the valve.

Engineer answers UCCWA's questions - July 18, 2023.

1. Will lift station have secondary containment, and if so, what is capacity? *No the lift station does not have secondary containment. The lift station was designed with some features that will allow for temporary bypassing of the lift station if an issue were to occur and requires the lift station to be taken out of service. For instance, if the wet well was found to be leaking, the operator can go to the manhole prior to the wet well and plug it to keep additional flow from entering the wet well and seeping out into the surrounding soils. There are also valves that may be closed to keep the water within the force main to drain back into the wet well and seeping into the surrounding soils.*
2. Not clear if there is any emergency overflow operation, and if so, capacity? *The CDPHE does require overflow storage to equal 60 minutes of storage at the peak hourly flow, which is being provided by a combination of storage within the collection system and the addition of a 25 foot long 36" dual wall corrugate wall pipe. The storage within the collection system piping is such that it would not result with the level of the water getting within 2 feet of the lowest manhole rim elevation of the collection system.*
3. Does lift station have backup power? *Yes, the control panel will include a quick-connect generator receptacle to be hooked up to a portable generator to provide temporary power to the lift station.*
4. Are they planning to tie into the Clear Creek emergency services building? *The project will be extending the force main to the Idaho Springs RV Site and connect to the existing force main that the Clear Creek Emergency building is currently connected to.*
5. Are there going to be future connections along this stretch? *The force main was designed in accordance with the CCCSD requirements. Our understanding is that the gun range will be connecting to the same force main but beyond that we are not aware of any other future connections planned at this time.*

With UCCWA questions answered, KLJ Engineering is making a request to UCCWA to submit a revised letter recommending approval.