

Amador Regional Sanitation Authority

“Servicing Amador City, Martell, & Sutter Creek”

STAFF REPORT

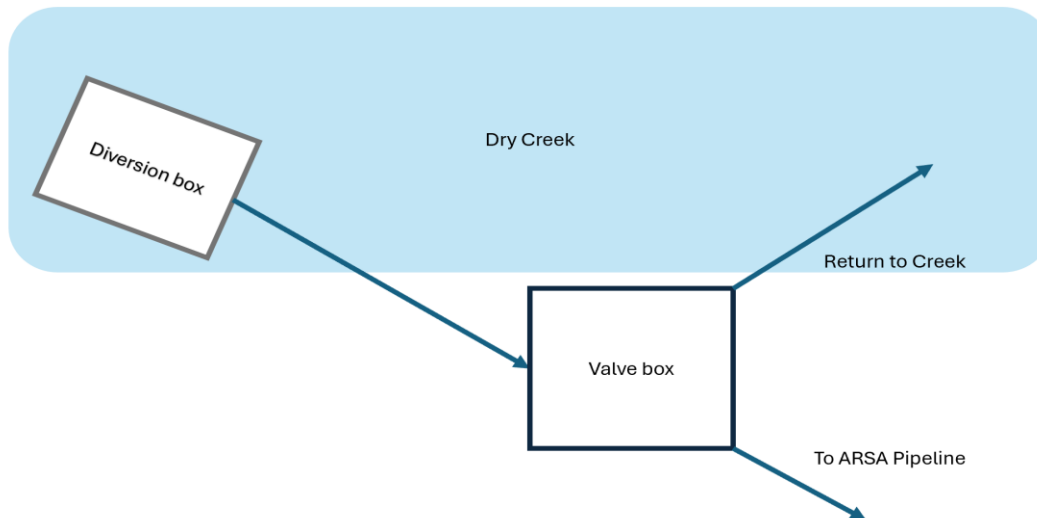
TO: ARSA BOARD
MEETING DATE: AUGUST 15, 2024
FROM: DAN LAFONTAINE, OPERATIONS
SUBJECT: FRESH WATER DIVERSION UPDATE
TYPE: INFORMATION AND DISCUSSION

RECOMMENDATION:

For information and discussion

DISCUSSION:

The freshwater diversion to protect CDCR water diversion rights must be repaired as a condition of the settlement. The freshwater diversion has been operational but has not been used in quite some time. An exploratory investigation into the status of the diversion has occurred very recently (within the last few weeks). The diversion box in the creek bed and the valve box have been unearthed and an assessment can be made (see PFD below):



CURRENT STATUS:

The diversion box where fresh water from the creek enters the pipeline is made of concrete and has been compromised, about 50% left. The lid to the diversion box has been torn off and is lying next to the creek shore. The pipe from the diversion box to the valve box has debris inside that needs to be removed. The material is packed tight in the pipe and contractors are unsure if it can be freed or the extent of the blockage. The length of the pipe is approximately 20 to 30 feet. The valve box has been unearthed and the box itself seems to be in tack. There is no lid on that box and the location is on the side of the creek not in the creek bed. The existing piping is estimated at 12-inch pipe. The piping entering the valve box has a flanged Y in the box that is bolted to the exit pipes. The valves appear to be butterfly valves and cannot be turned by the wheels in the box. The flanges look to be compromised and need to be replaced. See pictures from the assessment.



Diversion Box



Valve Box

There is a check valve in the pipeline from the valve box to the ARSA pipeline to ensure that treated wastewater does not flow to the creek. The location and status of the check valve is unknown and needs to be verified prior to opening the ARSA pipeline for the diversion.

REPAIRS:

Repairs need to be made to the diversion box to keep debris from entering the pipe between the diversion box and the valve box. The line needs to be cleared from the diversion box to the valve box. It is uncertain if this can be done with existing equipment. It may be better to abandon and install a new pipeline. The valve box valves, and piping need to be replaced.

The check valve needs to be located and inspected to ensure that once the valve from the ARSA pipeline to the valve box does not back flow treated sewage into the creek. It is unknown how much water is currently in the pipe from the valve box to the check valve.

FISCAL IMPACT:

Many unknowns exist that have significant impact on the cost estimate of the repair project. The first step will be to explore the location of the check valve and to remove the debris from the interconnecting piping. After that investigation (less than \$5,000) we will have a better understanding of the scope and possible costs of this repair. The investigation will occur as soon as possible.