

1. CURRENT STATUS SUMMARY

As required in Title 40, Code of Federal Regulations, Part 257.90, this section provides an overview of the current status of the groundwater monitoring and corrective action program for

All monitor wells are screened within the uppermost groundwater bearing unit (GWBU) in the vicinity of the EP. The uppermost GWBU is ap

4.2.1 Descriptive Statistics

Descriptive statistics were calculated for the upgradient wells and analytes at the site (Appendix B, Table 2). The descriptive statistics highlight a number of relevant characteristics

4.3 ESTABLISHING UPPER PREDICTION LIMITS

A multi-part assessment of the monitoring wells was performed to determine what type of upper prediction limit (UPL) to calculate as a compliance point. A decision framework was

Potential Exceedances

Analyte	Well	LPL	UPL	Sample Date	Value	Unit
Fluoride	JKS-36	–	0.252	2022-10-25	1.73	mg/L
Fluoride	JKS-64	–	0.252	2022-10-26	0.383	mg/L
pH	JKS-36	4.94	6.51	2022-10-25	4.41	SU
pH	JKS-61	4.94	6.51	2022-10-25	7.1	SU

Initial exceedances of the UPL may be confirmed with re-testing of the downgradient wells per the 1-of-2 retesting scheme. If the initial exceedance is confirmed with re-testing results in the same well, the well-analyte pair will be declared a statistically significant increase (SSI) above background. If an SSI is found, a notification or alternate source demonstration will be prepared

Tables



Sampling Event	Sampling Event Dates	TOC Elevation Depth to Water (feet btoc)	513.63 Water Level (msl)	TOC Elevation Depth to Water	526.86	TOC Elevation	522.27	TOC Elevation	507.84
----------------	----------------------	---	--------------------------------	---------------------------------	--------	---------------	--------	---------------	--------

12/6/16 to 2/21/17 to
12/8/16 2/23/17

DATE:

--

--

Laboratory Data Packages
Appendix A

(Data Packages Available Upon Request)

Statistical Analysis Tables and Figures
Appendix B

Appendix



Analyte

Tr 0 Analy1ati1rieWell003>6.91rie

Appendix B r Table



Appendix B r Table
Comparison of Downgradient Wells to JPLs



Appendix B - Figure 2

Appendix B - Figure 2
Unit: Evaporation Pond
QQ Plots of Upgradient Wells



Appendix B - Figure 2
Unit: Evaporation Pond
QQ Plots of Upgradient Wells

Analyte: Sulfate



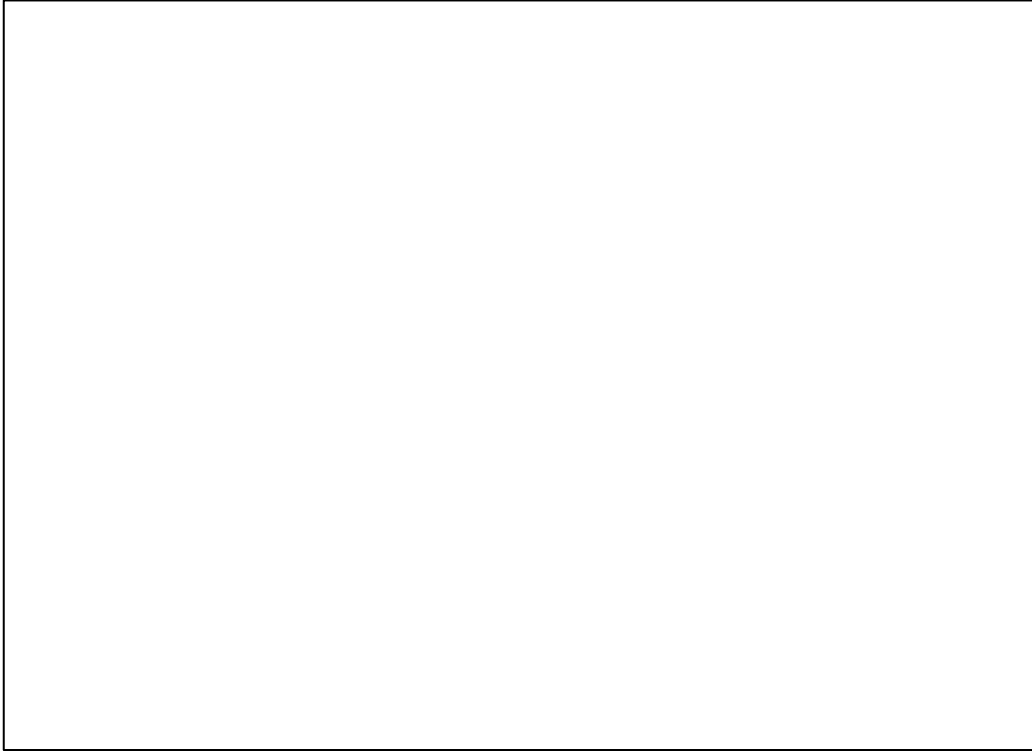
Appendix B - Figure 2

Appendix B - Figure 3

Unit: Evaporation P) 54(ond)]TJ 3 -90233 -1.188 Td Timeseries of L

Appendix B - Figure 3
Unit: Evaporation Pond

Appendix B - Figure 3
Unit: Evaporation Pond
Timeseries of Upgradient Wells

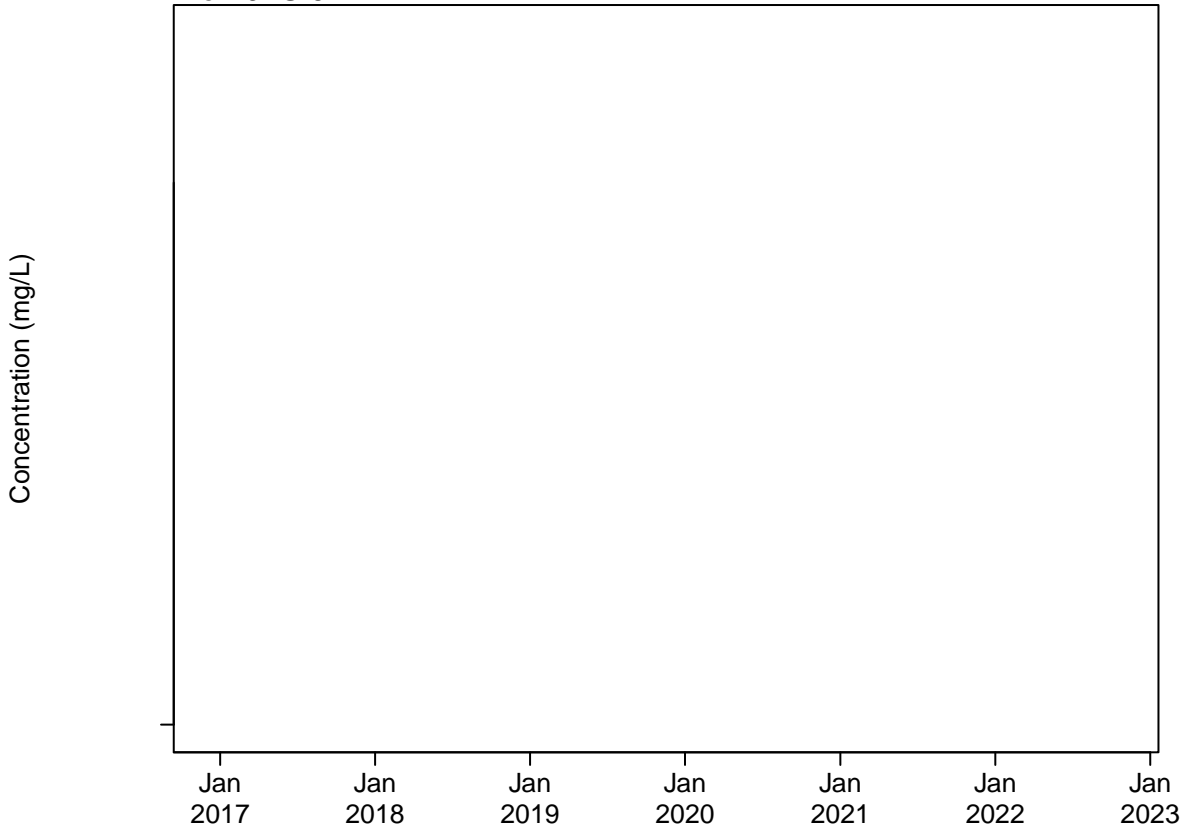


Appendix B - Figure 4
Unit: Evaporation Pond

Appendix B - Figure 4
Unit: Evaporation Pond
Trend Analysis of Downgradient Wells with Exceedances

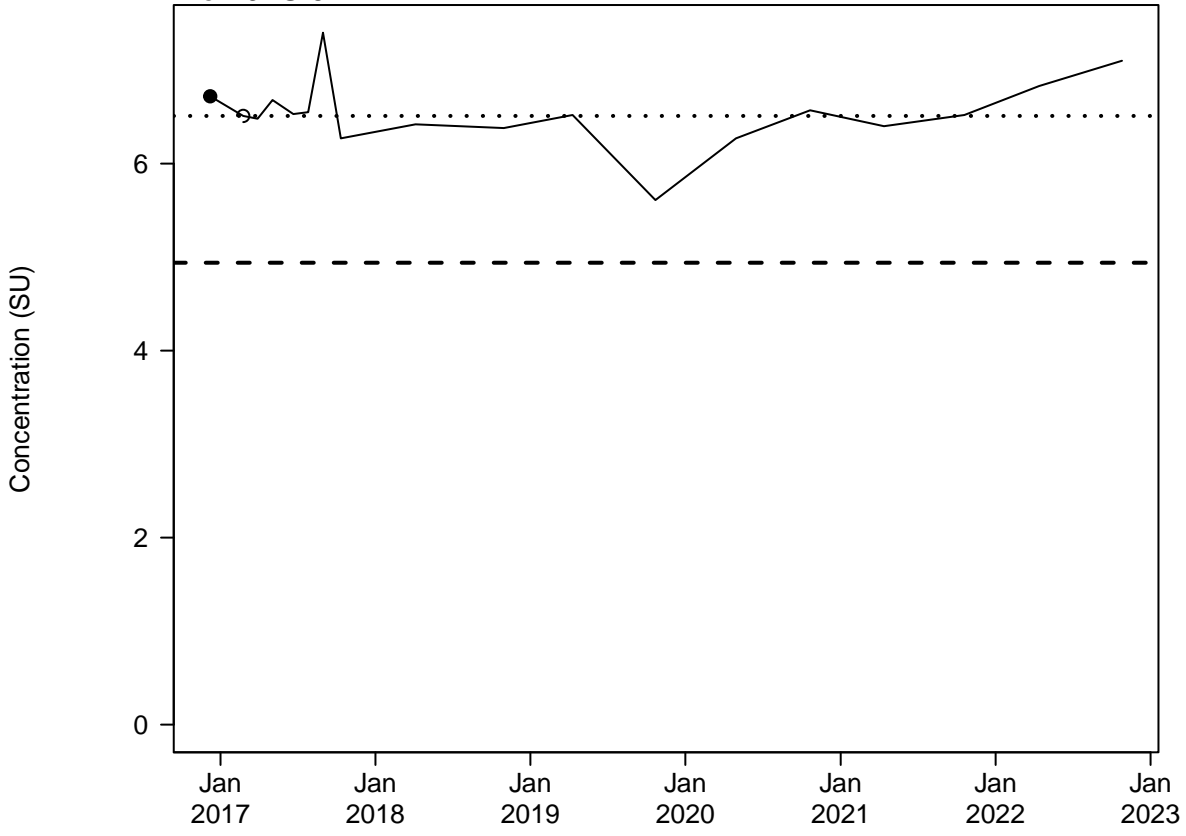
Chemical: Fluoride

Well: JKS-64



Appendix B - Figure 4
Unit: Evaporation Pond
Trend Analysis of Downgradient Wells with Exceedances

Chemical: pH
Well: JKS-61



April 2022 Groundwater Sampling Results
Appendix C

Constituent	Units	2021 LPL - BAP	2021 UPL - BAP	BAP	BAP	BAP	BAP	BAP	BAP
				Downgradient JKS-48 4/13/2022 N	Downgradient JKS-50R 4/14/2022 N	Downgradient JKS-52 4/13/2022 N	Downgradient JKS-52 4/13/2022 FD	Downgradient JKS-55 4/14/2022 N	Downgradient JKS-56 4/13/2022 N
Boron	mg/L	--	2.63	2.23	6.28	1.84	1.81	0.778	3.83
Calcium	mg/L	--	386	124	128	161	178	131	110
Chloride	mg/L	--	638	481	70.0	381	378	443	100
Fluoride	mg/L	--	0.894	0.810	0.284	0.418	0.491	0.557	0.367
pH, Field	SU	5.48	7.31	6.94	6.66	6.97	6.97	6.84	6.81
Sulfate	mg/L	--	485	199	189	299	296	178	121
Total Dissolved Solids	mg/L	--	2,500	1,480	887	1,470	1,520	1,370	838

NOTES:

Shaded results either exceed of the Upper Prediction Limit (UPL) or are below the Lower Prediction Limit (LPL) for this CCR unit.

SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Down

SRH Pond