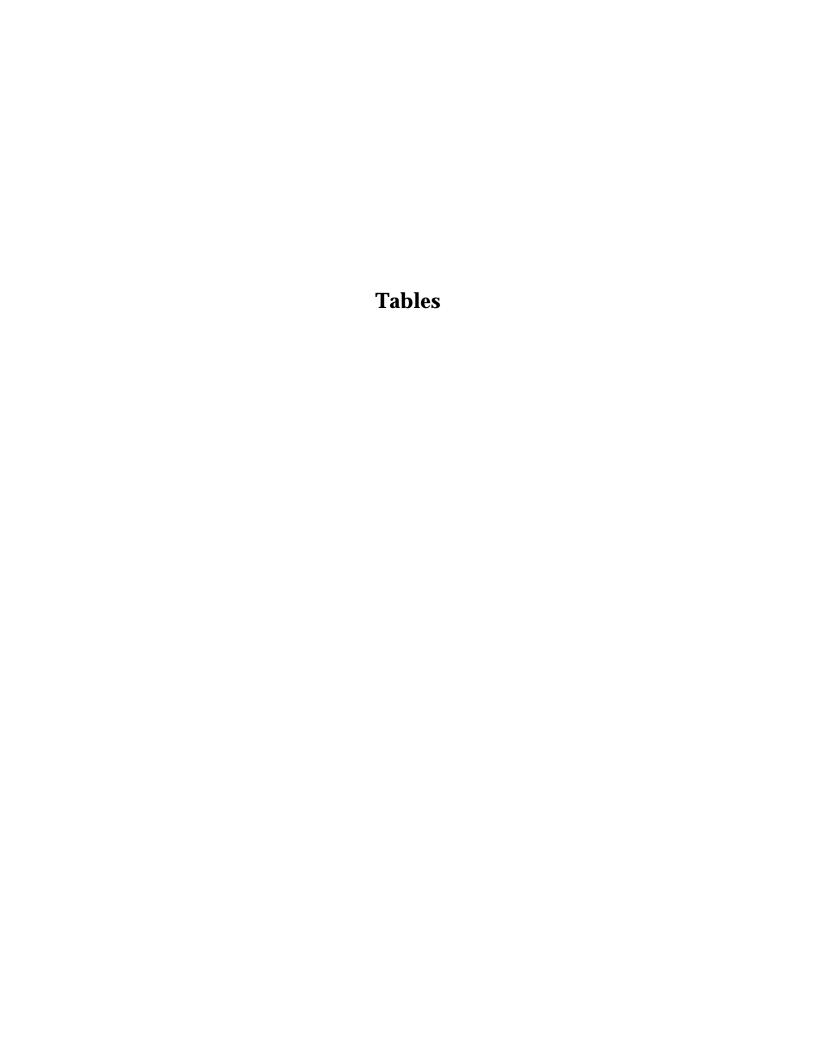


Texas Registered Engineering Firm F-2393 Texas Board of Professional Geoscientist Firm 50036

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JKS-36 DowngadertMulioning 12 \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} X X X X X Detection JKS-4 U ngadientMrnit nn Q-i XXXXXXXX Detection \mathbf{x} X X Detection X X x Detection

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

12/8/16 2/28/17 3/29/17 5/3/17 6/21/17 7/26/17 8/30/17 10/11/17 4/5/18 10/30/18 4/10/19 10/23/19 Event 1 Event 2

Dec 2016 FeSEvent 1

TABLE 3 Groundwater Analytical Results Summary CPS Energy - Calaveras Power Station **Evaporation Pond**

Constituents	Unit
Appendix III - Detection Monitor	ring
Boron	mg/L
Calcium	mg/L
Chloride	mg/L
Fluoride	mg/L
Sulfate	mg/L
pH - Field Collected	SU
Total dissolved solids	mg/L
Appendix IV - Assessment Mon	itoring
Antimony	mg/L
Arsenic	mg/L
Barium	mg/L
Beryllium	mg/L
Cadmium	mg/L
Chromium	mg/L
Cobalt	mg/L
Fluoride	mg/L
Lead	mg/L
Lithium	mg/L
Mercury	mg/L
Molybdenum	mg/L
. M:Danamana n Da*farl E 0a 4:an. l	D:/N/

[:] MiBergrams p Po*pr.LE 3s.tion: Pico(Meies p Po*pr.LE 3)Tj4.58 -1.3(H: Biavein sample ral Re likely to be high.Pond)Tj/TT1 118.15 71.93 -167 TaskPond-3.71 -2031 -167 Sample DSulfingMeve or tion

TABLE 3 Groundwater Analytical Results Summary CPS Energy - Calaveras Power Station Evaporation Pond

Constituents	Unit
Appendix III - Detection Mon	itoring
Boron	mg/L
Calcium	mg/L
Chloride	mg/L
Fluoride	mg/L
Sulfate	mg/L
pH - Field Collected	SU
Total dissolved solids	mg/L

TABLE 3 Groundwater Analytical Results Summary CPS Energy - Calaveras Power Station **Evaporation Pond**

Sample Date

Task

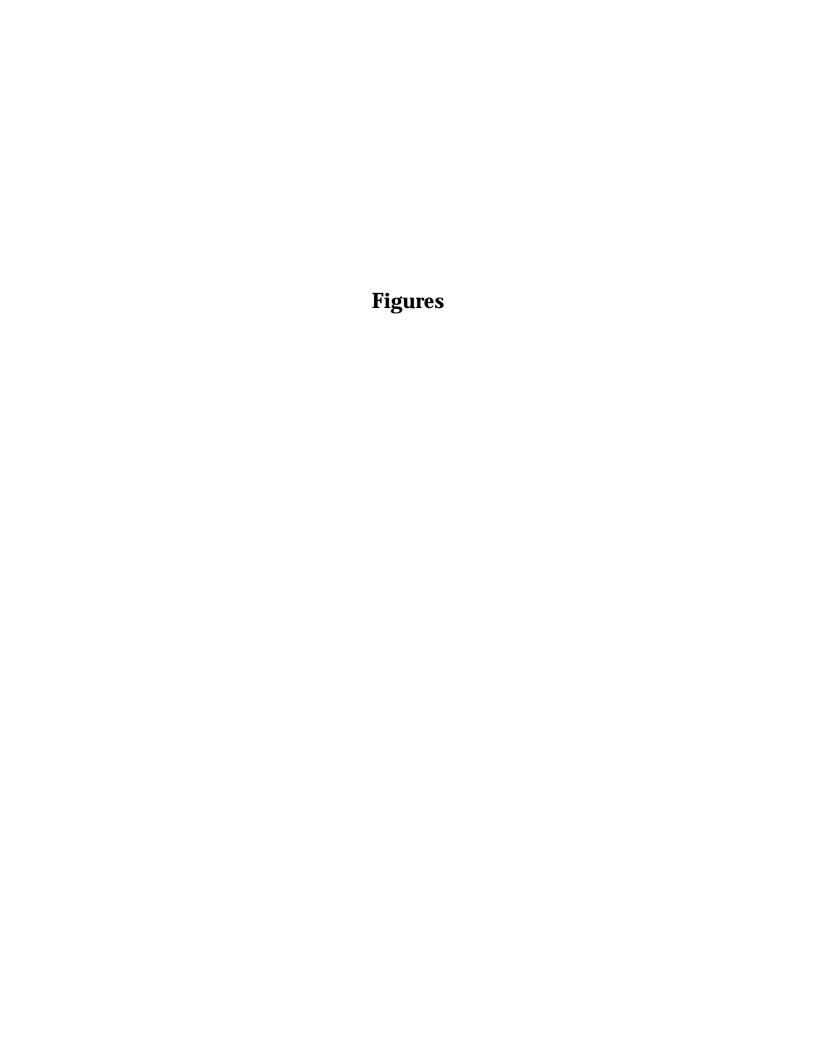
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Cobalt	mg/L
Fluoride	mg/L
Lead	mg/L
Lithium	mg/L
Mercury	mg/L
Molybdenum	mg/L
Selenium	mg/L
Thallium	mg/L
Radium-226	pCi/L
Radium-228	pCi/L

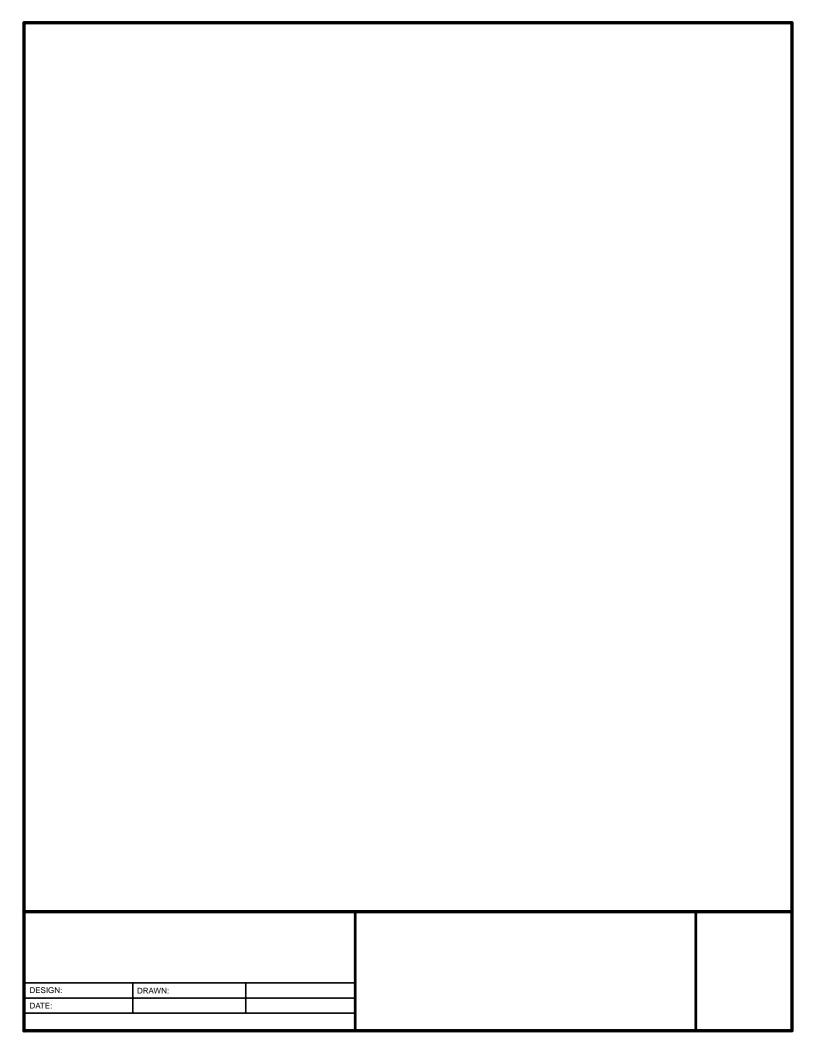
NOTES:

- (A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
- (1) Sample not collected due to the well going dry during sampling activities.
- (2) Sample not collected due to blockage in the well casing.

mg/L: Milligrams per Liter. SU: Standard Units. pCi/L: Picocuries per Liter.

- D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
- H: Bias in sample result likely to be high. NR: Analysis of this constituent not required for detection monitoring.
- X: MJKSspt I/X: MJKSspt I Dusamce Dred rec ocuri Poe u (any to outsuorsis or)TjT*(to tlabvapoog dis trolultm Units.)Tj0 18.25 TB: Tesult5asAeld Collecmn mlabvis traminauend rwBiasybdtifictee io tlmethodto ankng. ripene Drdis constitueer.

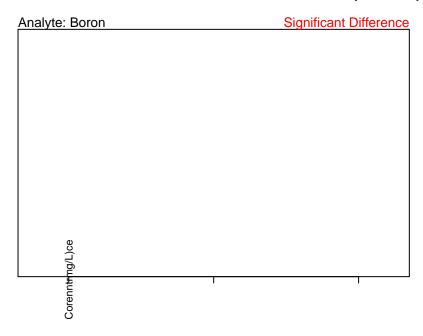




Analyte Well Units N Detects

Analyte UPL Type Well N

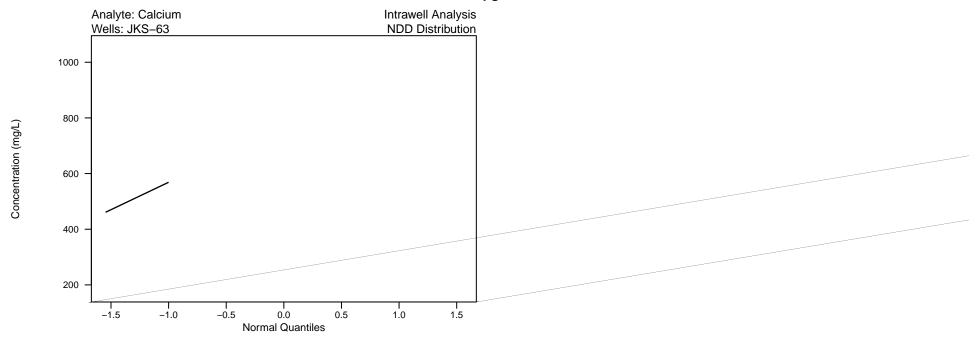
Appendix B – Figure 1 Unit: Evaporation Pond Boxplots of Upgradient Wells



Appendix B – Figure 1 Unit: Evaporation Pond Boxplots of Upgradient Wells

Analyte: pH	Significant Difference

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



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

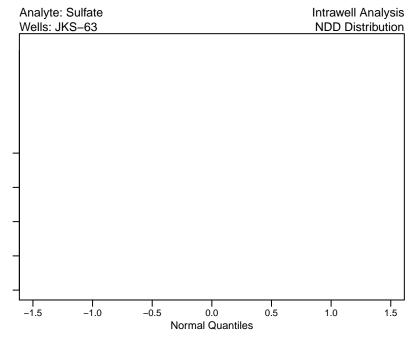
Analyte: Chloride				

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

Analyte: pH	Intrawell Analysis
Wells: JKS-47	NDD Distribution

Normal Quantiles



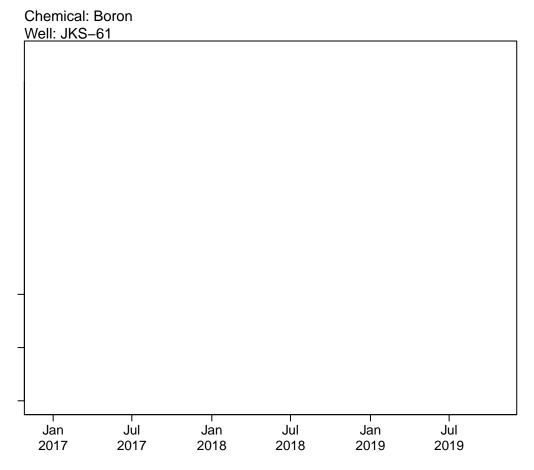


Appendix B – Figure 3 Unit: Evaporation Pond Timeseries of Upgradient Wells

Chemical: pH
Significant Difference (Intrawell Analysis)

Appendix B – Figure 3

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



July 11, 2019 CPS Energy July 11, 2019 CPS Energy 0503422/A9689 Page 3

BAPs – The constituents associated with potential SSIs include boron in JKS-50R and JKS-56 and fluoride in JKS-48. As previously presented in the *Written Demonstrations*, the concentrations of





				ÒÚ Ö[¸}*¦æåå^}c RSÙËHÎ	ÒÚ Ö[¸}*¦æåi^}c RSÙĒÎF	ÒÚ Ö[¸}*¦æåi^}c RSÙĒÎG	ÒÚ Ö[¸}*¦æåi^}c RSÙĒÎG
				RSUEHT IÐJÐG€FJ	IÐJÐG€FJ	RSUETG IÐJÐG€FJ	RSUETG IÐJÐG€FJ
				Þ	Þ	Þ	ØÖ
Ô@^ { ã&æ	W}āc•	G€FÏËG€FÌÁ ŠÚŠÁËÁÒÚ	G€FÏËG€FÌÁ WÚŠÁËÁÒÚ	Á	Á	Á	Á
Ó[¦[}	{ *ĐŠ	ËË	FÈHH	€ÈÎÎHÁ	GÈ Ï GÁ	€ÈÎFGÁ	€ÈÍÍIÁÝ
Ôæ &ãˇ {	{ *ĐŠ	ËË	FHF€	HFÍÁÖ	FΪÎÁ	G€ÍÁÖ	FΪHÁÝ

ØŒŠ ØŒŠ ØŒŠ ØŒŠ ØŒŠ Ö[¸}*læåi^}c Ö[¸}*læåi^}c Ö[¸}*læåi^}c Ö[¸}*læåi^}c Ö[¸}*læåi^}c Ö[¸}*læåi^}c RSÙËl€ RSÙËl€ RSÙËl€ IÐJÐG€FJ IÐJÐG€FJ IÐJÐG€FJ IÐJÐG€FJ IĐJĐG€FJ ØÖ Þ Þ Þ Þ

ÓŒÚ	ÓŒÚ	ÓŒÚ	ÓŒÚ	ÓŒÚ	ÓŒÚ
Ö[¸}*¦æåi^}c	Ö[¸}*¦æåã^}c	Ö[¸}*¦æåä^}c	Ö[¸}*¦æåä^}c	Ö[¸}*¦æåã^}c	Ö[¸}*¦æåä^}c
RSÙËI Ì	RSÙËÍ€Ü	RSÙËÍG	RSÙËÍG	RSÙËÍ Í	RSÙĒÍ Î
IÐJÐG€FJ	IÐJÐG€FJ	IÐJÐG€FJ	IÐJÐG€FJ	IÐJÐG€FJ	IÐJÐG€FJ

ÙÜPÁÚ[}å	ÙÜPÁÚ[}å	ÙÜPÁÚ[}å	ÙÜPÁÚ[}å
Ö[¸}*¦æåä^}c	Ö[¸}*¦æåä^}c	Ö[¸}*¦æåã^}c	Ö[¸}*¦æåä^}c
RSÙËÍG	RSÙËÍG	RSÙËÍH	RSÙËÍ I
IÐF€ÐG€FJ	IÐF€ÐG€FJ	IÐF€ÐG€FJ	IÐF€ÐG€FJ