

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

© Copyright 2020 by ER [(F)3.6 (i)3.Tw 4.is

Tables

			12/6/16 to 12/8/16	2/21/17 to 2/23/17	3/28/17 to 3/30/17	5/2/17 to 5/4/17	6/20/17 to 6/21/17	7/25/17 to 7/26/17	8/29/17 to 8/30/17	10/10/17 to 10/11/17	4/4/18 to 4/5/18	10/30/18 to 10/31/18	4/9/19 to 4/10/19	10/22/19 to 10/23/19	
JKS-31	Downgradient Monitoring	12	X	X	X	X	X	X	X	X	X	X	X	X	Detection
JKS-33	Downgradient Monitoring	12	X	X	X	X	X	X	X	X	X	X	X	X	Detection
JKS-45	Upgradient Monitoring	12	X	X	X	X	X	X	X	X	X	X	X	X	Detection
JKS-46	Downgradient Monitoring	12	X	X	X	X	X	X	X	X	X	X	X	X	Detection
JKS-57	Upgradient Monitoring	12	X	X	X	X	X	X	X	X	X	X	X	X	Detection
JKS-60	Downgradient Monitoring	12	X	X	X	X	X	X	X	X	X	X	X	X	Detection

NOTES:

X = Indicates a sample was collected. 26 (2) Landfill - 56 - 6.36 etc. 07 (2) PCR U14.f - 547 - 1.50 Td5-4011.3065-40XXXXXXXX

Detection

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

Constituents	Unit
--------------	------

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

Constituents	Unit
Appendix III - Detection Monitoring	
Boron	mg/L

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

Constituents	Unit
Appendix III - Detection Monitoring	
Boron	mg/L
Calcium	mg/L
Chloride	mg/L
Fluoride	mg/L
Sulfate	mg/L
pH - Field Collected	SU

Figures

DESIGN:	DRAWN:	
DATE:		

--	--

--

Statistical Analysis Tables and Figures

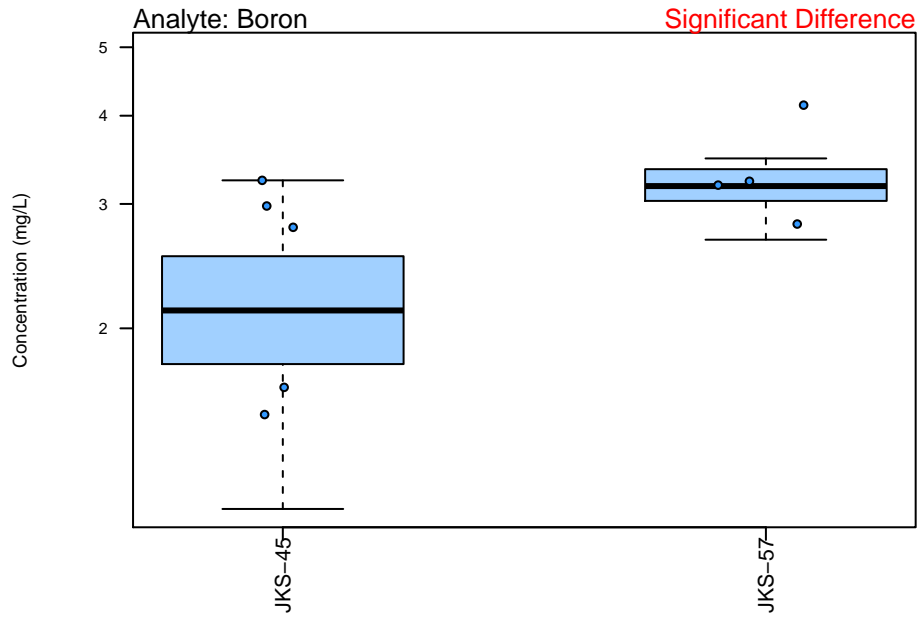
Appendix B

Analyte	N	Num Detects	Percent Detect	DF	KW Statistic	p-value	Conclusion	UPL Type
Boron	24	24	100%	1	12	<0.001	Significant Difference	Intrawell
Calcium	23	23	100%	1				

Analyte	Well	Units	N	Num Detects	Percent Detect	Min ND	Max ND	Min
---------	------	-------	---	----------------	-------------------	--------	--------	-----

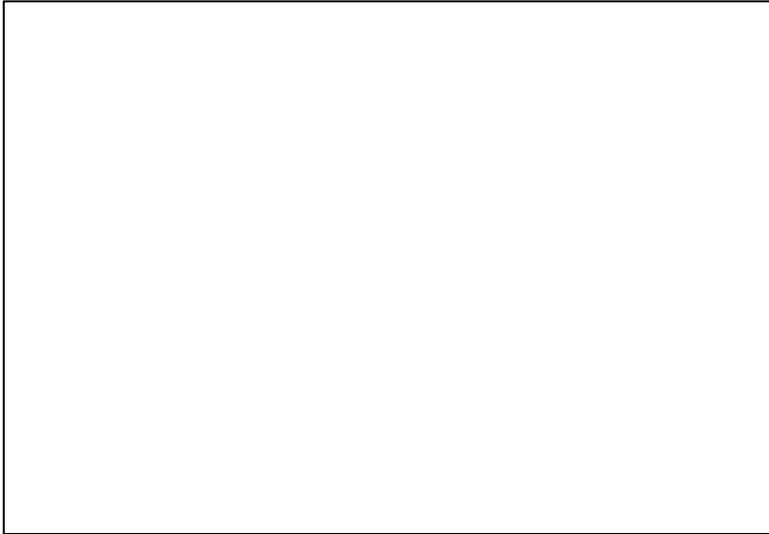
Analyte

Appendix B – Figure 1
Unit: Fly Ash Landfill
Boxplots of Upgradient Wells



Appendix B – Figure 2
Unit: Fly Ash Landfill
QQ Plots of Upgradient Wells

Analyte: Calcium



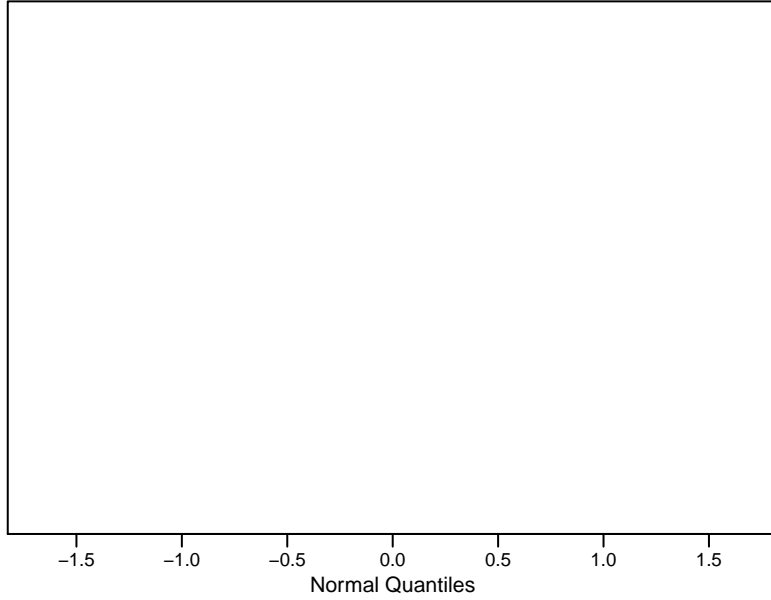
Appendix B – Figure 2

Appendix B – Figure 2
Unit: Fly Ash Landfill
QQ Plots of Upgradient Wells

Analyte: Fluoride
Wells: JKS-57

Intrawell Analysis
NDD Distribution

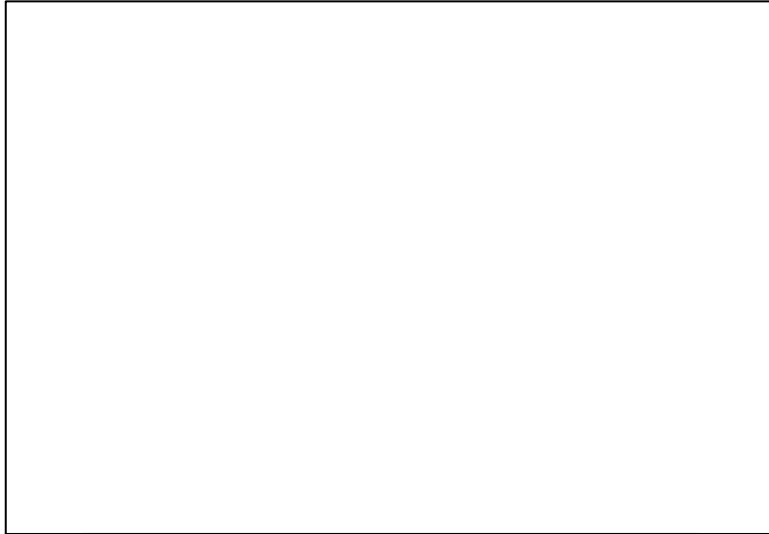
Concentration (mg/L)



Appendix B – Figure 2
Unit: Fly Ash Landfill
QQ Plots of Upgradient Wells

Analyte: pH
Wells: JKS-57

Intrawell Analysis
NDD Distribution



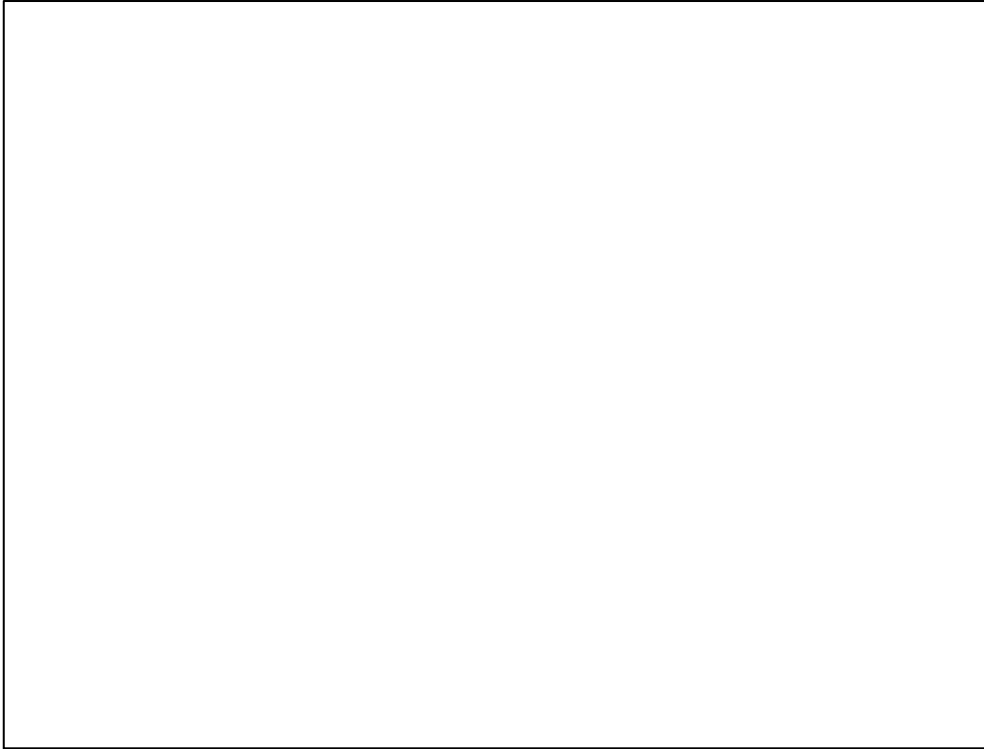
Normal Quantiles

Appendix B – Figure 2
Unit: Fly Ash Landfill

Appendix B – Figure 2
Unit: Fly Ash Landfill

Appendix B – Figure 3
Unit: Fly Ash Landfill

Appendix B – Figure 4
Unit: Fly Ash Landfill
Trend Analysis of Downgradient Wells with Exceedances

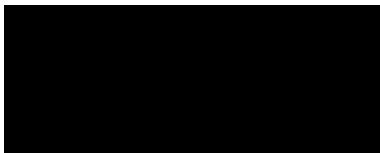


**April 2019 Groundwater Sampling Event –
Calaveras Power Station CCR Units**

Appendix C

July 11, 2019
CPS Energy

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



Ó@^ { i&æ	W}âc•	G€FĪĒG€FĪĀ	G€FĪĒG€FĪĀ	ÒÚ	ÒÚ	ÒÚ	ÒÚ
Ó[![]	{ *ĐŠ	ŠŮŠĀÉÁÓÚ	WŮŠĀÉÁÓÚ	Ö[, } *!æâî^}c	Ö[, } *!æâî^}c	Ö[, } *!æâî^}c	Ö[, } *!æâî^}c
Ôæ â~ {	{ *ĐŠ	ĚĚ	FĚHH	RSŮĚHĪ	RSŮĚĪF	RSŮĚĪG	RSŮĚĪG
		ĚĚ	FHF€	IĐJĐG€FJ	IĐJĐG€FJ	IĐJĐG€FJ	IĐJĐG€FJ
				Ɔ	Ɔ	Ɔ	ØŌ
				Á	Á	Á	Á
				€ĚĪĪHÁ	GĚĪGÁ	€ĚĪFGÁ	€ĚĪĪĪÁÝ
				HFĪÁÖ	FĪĪÁ	GĚĪÁÖ	FĪHÁÝ

Ô@^ { i&æ}

W}âc•

G€FİĚG€FİÄ
ŠÚŠÄÉÄØĚŠ

G€FİĚG€FİÄ
WÚŠÄÉÄØĚŠ

ØĚŠ
Ö[, } *læâî^}c
RSÛĚHF
IĐJĐG€FJ
P

ØĚŠ
Ö[, } *læâî^}c
RSÛĚHH
IĐJĐG€FJ
P

ØĚŠ
Ö[, } *læâî^}c
RSÛĚIÎ
IĐJĐG€FJ
P

ØĚŠ
Ö[, } *læâî^}c
RSÛĚÎ€
IĐJĐG€FJ
P

ØĚŠ
Ö[, } *læâî^}c
RSÛĚÎ€
IĐJĐG€FJ
ØÖ



ÓŒÚ
Ö[, }*!æâî^}c
RSÛÉÍ Ì
IÐJÐG€FJ

ÓŒÚ
Ö[, }*!æâî^}c
RSÛÉÍ €Ü
IÐJÐG€FJ

ÓŒÚ
Ö[, }*!æâî^}c
RSÛÉÍ G
IÐJÐG€FJ

ÓŒÚ
Ö[, }*!æâî^}c
RSÛÉÍ G
IÐJÐG€FJ

ÓŒÚ
Ö[, }*!æâî^}c
RSÛÉÍ Í
IÐJÐG€FJ

ÓŒÚ
Ö[, }*!æâî^}c
RSÛÉÍ Í
IÐJÐG€FJ



ÙÜPÁÚ[}á
Ö[, } *!æáí^}c
RSÚÉÍG
IÐF€ÐG€FJ

ÙÜPÁÚ[}á
Ö[, } *!æáí^}c
RSÚÉÍG
IÐF€ÐG€FJ

ÙÜPÁÚ[}á
Ö[, } *!æáí^}c
RSÚÉÍH
IÐF€ÐG€FJ

ÙÜPÁÚ[}á
Ö[, } *!æáí^}c
RSÚÉÍI
IÐF€ÐG€FJ

