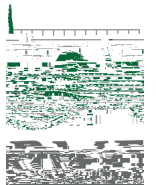


Registration Application for Coal Combustion Residuals



**CORRESPONDENCE COVER SHEET
WASTE PERMITS DIVISION
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

Registration No.:

Registration No.:

Registration No.:

Registration No.:

Registration No.:
Registrant: CPS Energy Calaveras Power Station

(b) As used in this section:

(b)(1) Based flood means a flood that has a 1 percent or greater chance of recurring in any year or a flood of a magnitude equalled or exceeded once in 100 years on the average over a significantly long period.

Registration No.:
Registrant: CPS Energy Calaveras Power Station

II. Location Restrictions and Geology

See Instructions and Technical Guidance

22.

Registration No.:

Registration No.:

Registration No.:

Registrant: CPS Energy Calaveras Power Station

If “Yes”, the CCR unit is subject to the closure requirements under 30 TAC Chapter 352 and 40 CFR §257.101(a) to retrofit or close. A notification must be prepared stating that an assessment of corrective measures has been initiated.

See Attachment 9 *Alternative Capacity Infeasibility Demonstration* for the SRH Pond and the *Alternative Capacity Infeasibility Demonstration* for the Evaporation Pond, prepared for and submitted to EPA on 30 November 2020, to demonstrate that CCR and non-CCR wastestreams must continue to be managed in those surface impoundments based on a lack of alternative capacity.

ated11 Janua(r)8.3y I

Registration No.:

Registrant: CPS Energy Calaveras Power Station

Registration No.:
Registrant: CPS Energy Calaveras Power Station

All the CCR units have only been evaluated for Appendix III constituents under Detection

Registration No.:
Registrant: CPS Energy Calaveras Power Station

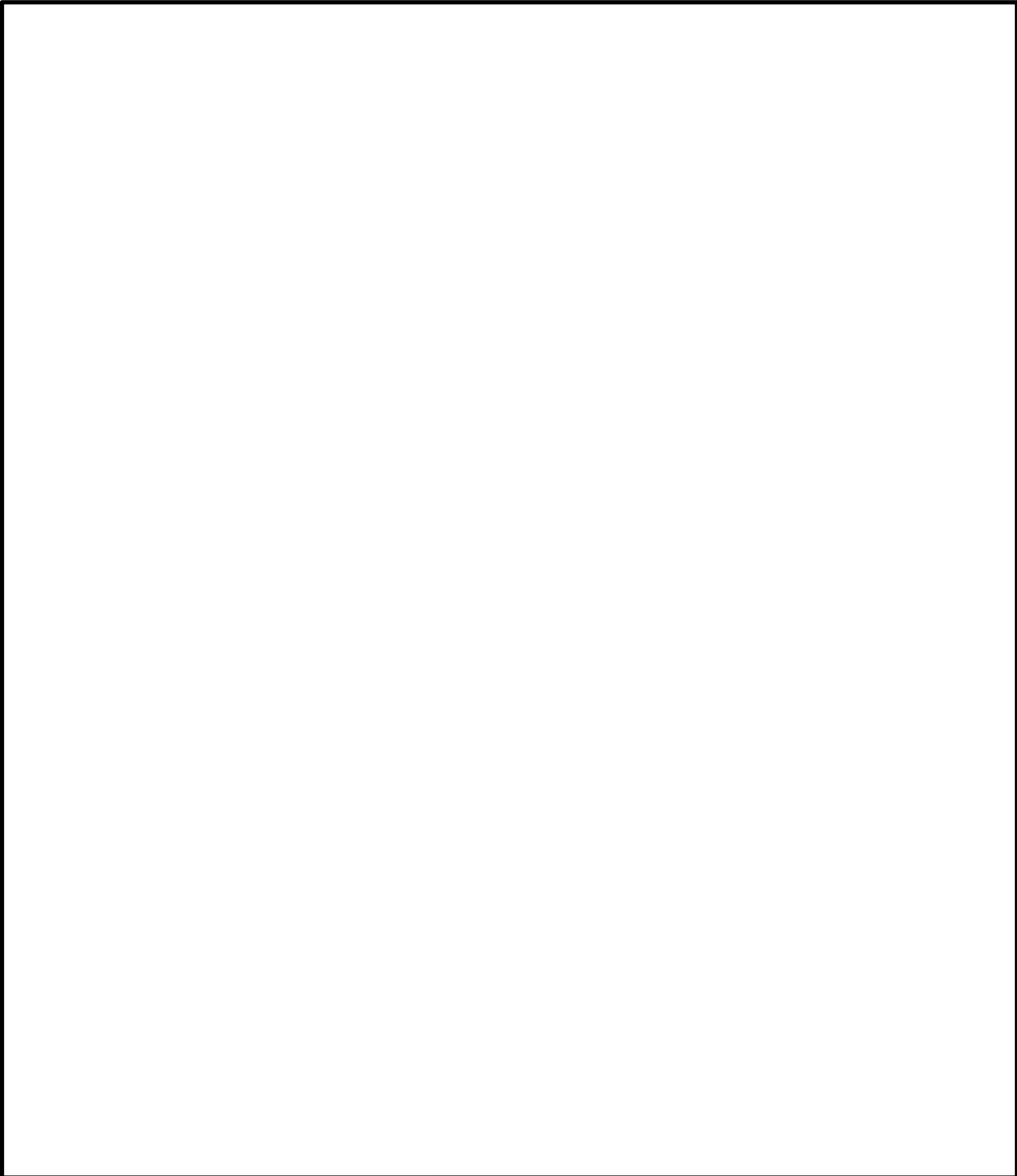
Registration No.:

Registration No.:
Registrant: CPS Energy Calav

Registration No.:
Registrant:

Registration No.: XXXXX
Registrant:

Registration No.:
Registrant: CPS Energy Calaveras Power Station



ΟΕΕ/ΟΧ		

PROP_ID

SITUS

PROP_ID	SITUS	Map_ID	OWNER (Last name, First name)	ADDRLN1	MAILING ADDRESS
---------	-------	--------	--------------------------------	---------	-----------------

1054970

PROP_ID	SITUS	Map_ID	OWNER (Last name, First name)	ADDRLN1	MAILING ADDRESS
337638	14162 S LOOP 1604	163			

PROP_ID

SITUS

Map_ID

OWNER (Last name, First name

PROP_ID	SITUS	Map_ID	Combined Address List
337781	9720 ELMENDORF-LA VERNIA RD	001	
1138489	FOSTER RD	002	ALEMAN RAUL JR & LONGORIA CAROLINA 24397 LOUISIANA RD LA FERIA, TX 78559-4358
159059	14398 KILOWATT RD	003	ALMAGUER DAVID & SYLVIA 14398 KILOWATT RD SAN ANTONIO TX 78223-9727
336885	8904 S FOSTER RD	004	ALMALIGA LARA 4214 STANL 4CO-6.9 (RNERNSET)-17.26(X)-9.15(78210-)-6.3 Td281

PROP_ID	SITUS	Map_ID	Combined Address List
158971	14395 KILOWATT RD	076	HALLINAN NICHOLAS 14395 KILOWATT RD SAN ANTONIO TX 78223-9727
157109	10385 S FOSTER RD	077	HARRISON REESE L JR ETAL 2301 BROADWAY ST SAN ANTONIO TX 78215-1157
157111	10454 S FOSTER RD	077	HARRISON REESE L JR ETAL 2301 BROADWAY ST SAN ANTONIO TX 78215-1157
157114	11615 CASSIANO RD	077	HARRISON REESE L JR ETAL 2301 BROADWAY ST SAN ANTONIO TX 78215-1157
159182	15181 S LOOP 1604	078	HEINESH RANDOLPH A REV TR RANDOLPH A HEINESH TRUSTEE 505 N SEPULVEDA BLVD STE 7 MANHATTAN BEACH CA 90266-6743

PROP_ID	SITUS	Map_ID	Combined Address List
157187	12832 CASSIANO RD	096	KEILMANN ROBERT PO BOX 23191 SAN ANTONIO TX 78223-0191
335306	6795 COOKSEY RD	097	MORGAN GIBSON 9388 CORPORATE DR SELMA TX 78154-1249
336976	9362 HILDEBRANDT RD	098	KELLER GILBERT E SR & MARY ANN RICHTER 9362 HILDEBRANDT RD SAN ANTONIO TX 78222-6030

PROP_ID

SITUS

Map_ID

PROP_ID	SITUS	Map_ID	Combined Address List
158005	13257 LAGUNA RD	160	RAMIREZ RICARDO RAMIREZ LAURA 13257 LAGUNA RD SAN ANTONIO TX 78223-4295
1125351	13367 LEEWARD LN	161	RANDHAWA JASWINDER & PARAMJIT 13367 LEEWARD LN SAN ANTONIO TX 78263-2383
336621	11425 STUART RD	162	RAUSCHUBER GI9AART SAN ANTONIO TX 78263-
763821	1 S LNIOOr14RD	362	J

PROP_ID

SITUS

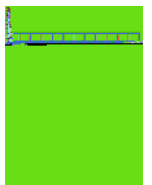
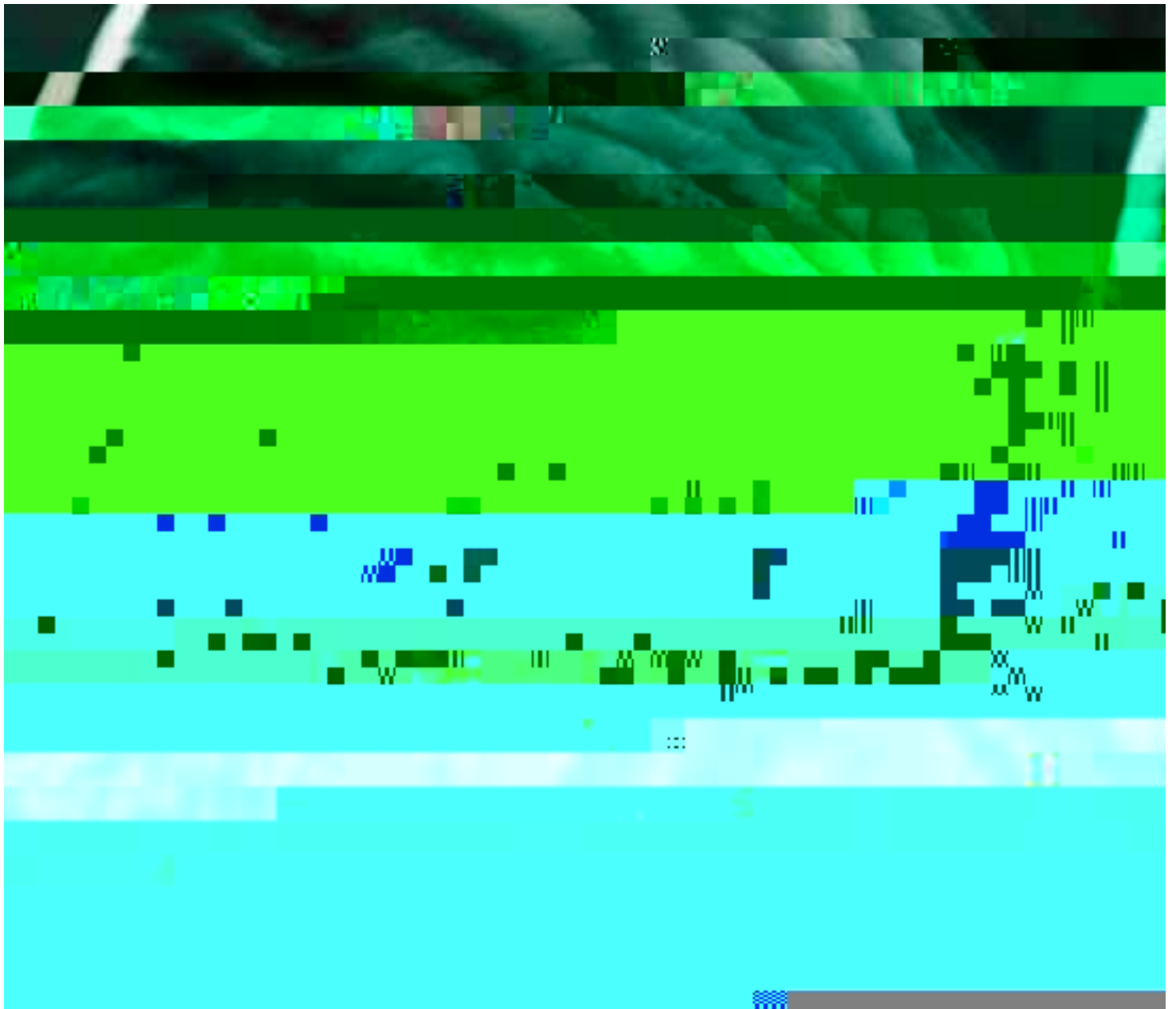
Map_ID

Combined Address List

PROP_ID	SITUS	Map_ID	Combined Address List
---------	-------	--------	-----------------------

PROP_ID	SITUS	Map_ID	Combined Address List
1125337	9818 SPINNAKER PATH	221	CARDENAS TIMOTHY J9818 SPINNAKER PATAN ANOT380H

Registration No.:



EXECUTIVE SUMMARY

On behalf of CPS Energy, Environmental Resource Management Southwest, Inc. (ERM) conducted evaluations of the location restrictions for the existing Coal Combustible Residuals (CCR) Units associated with the Calaveras Power Station

Seismic Impact Zones

Based on review of published seismic hazard and earthquake maps, all five CCR Units are not located in seismic impact zones. Therefore, all five CCR Units meet the minimum requirements of 40 CFR §257.63.

(5) Sufficient information is available to make a reasoned determination with respect to the demonstrations in paragraphs (a)(1) through (4) of this section.

40 CFR §257.62 Fault Areas

(a) New CCR landfills, existing and new CCR surface impoundments, and all

3.0

LOCATION RESTRICTIONS EVALUATION

ERM evaluated technical compliance with the five location restrictions outlined in the CCR Rule through a combination of desktop reviews and obtaining site-

3.1.2 *Evaporation Pond (EP)*

3.3

FAULT AREAS

The CCR Rule defines fault as “a fracture or a zone of fractures in any material

- € USGS Seismic Hazard Map
(<https://earthquake.usgs.gov/earthquakes/byregion/images/texas-haz>); and
- € USGS South Texas Earthquakes 1900-2018
(<https://earthquake.usgs.gov/earthquakes/search>).

- € *Geotechnical Engineering Study for Ash Pond Berms – Spruce/Deely Generation Units, San Antonio, Texas* (Raba Kistner Consultants, May 2014) (Appendix A in CDM Smith reports);
- € *Assessment of Dam Safety of Coal Combustion Surface Impoundments Final*

to 5%. Based on the annual inspections of all the CCR Units starting in 2015, the land surrounding the CCR Units does not show evidence of movement, including slumping, tension cracks, hummocky topography, or vegetation

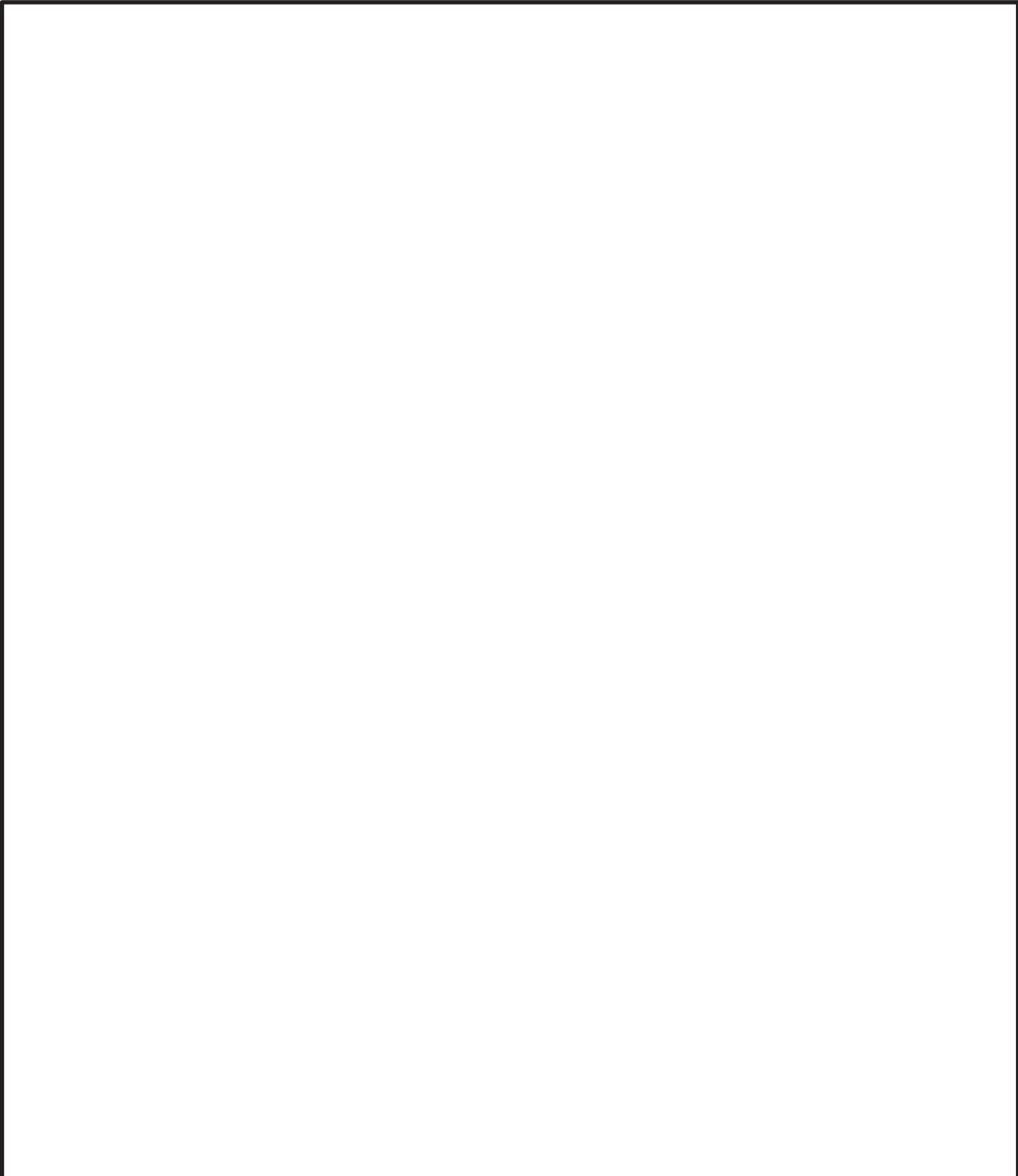
4.0

CONCLUSIONS

The evaluations, documented in this *Location Restrictions Demonstration*, concluded the following:

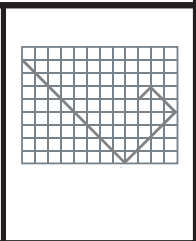
Placement Above the Uppermost Aquifer

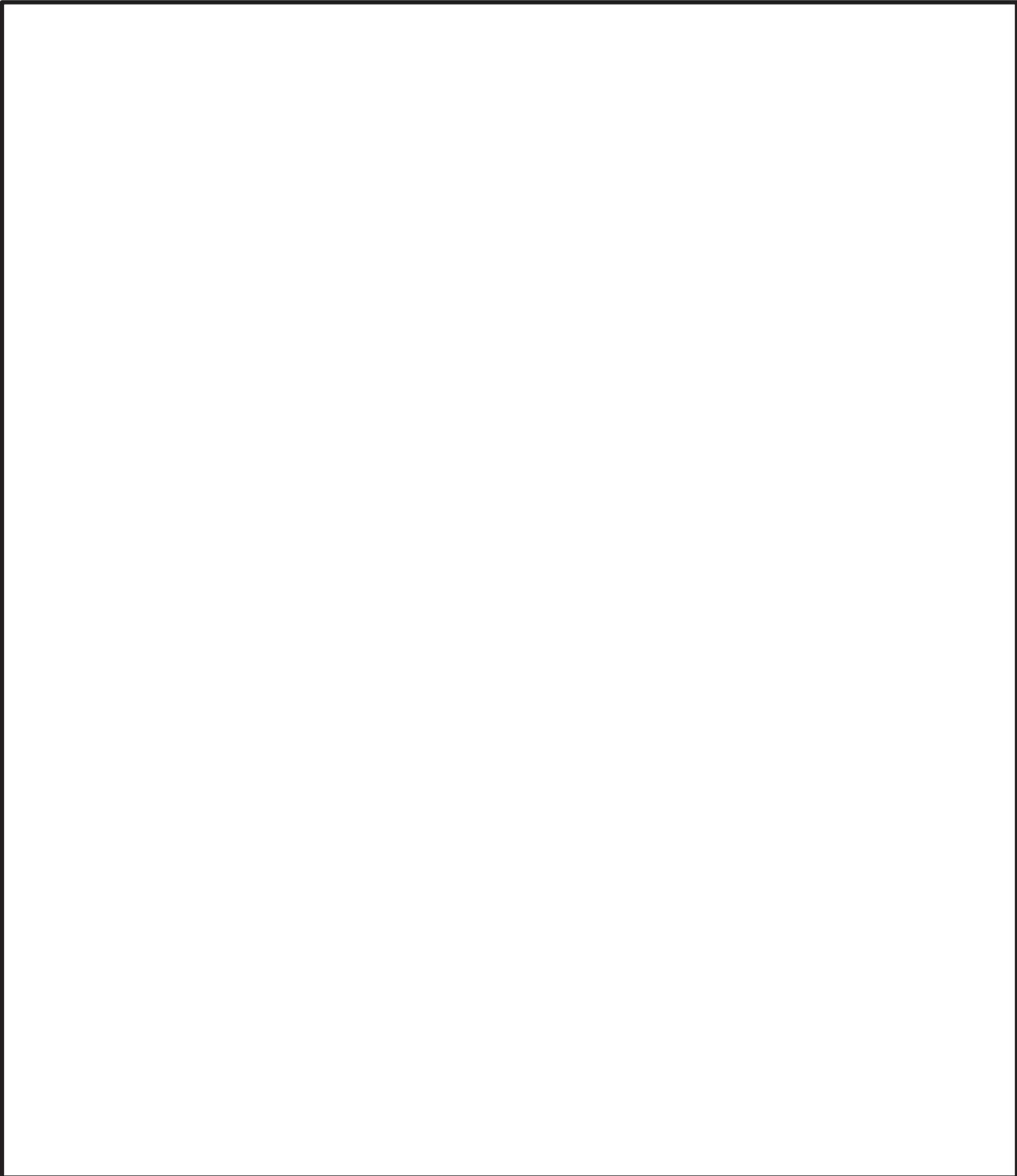
Based on the review of the *CCR Units – 2017 Annual Inspection and Fugitive Dust Control Report*, as-built drawings, site-specific groundwater elevation data and soil geotechnical data, the bottom (bases) of the Fly Ash Landfill (FAL),



DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:
W.O.NO.:		

--





DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:
W.O.NO.:		

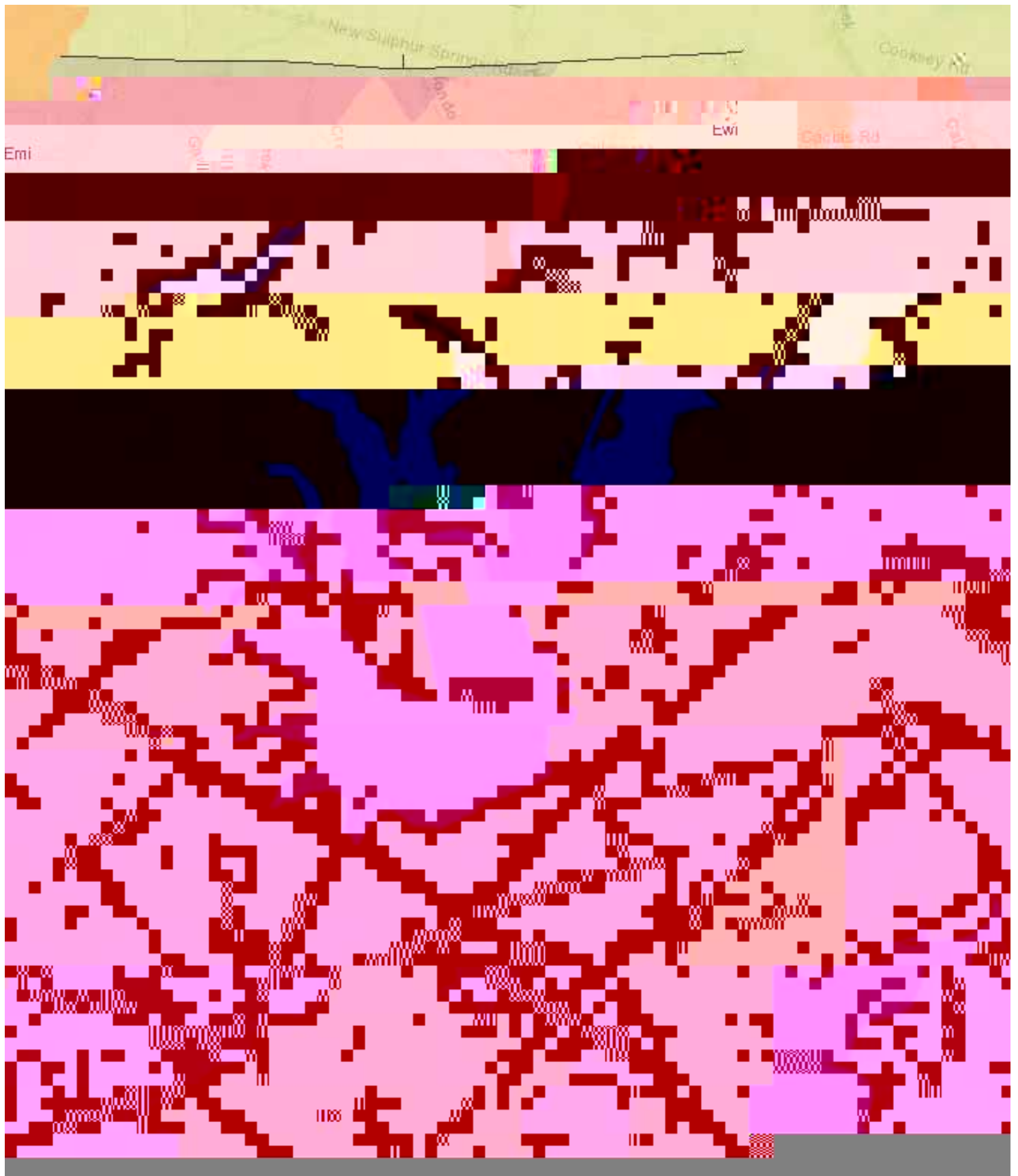
--

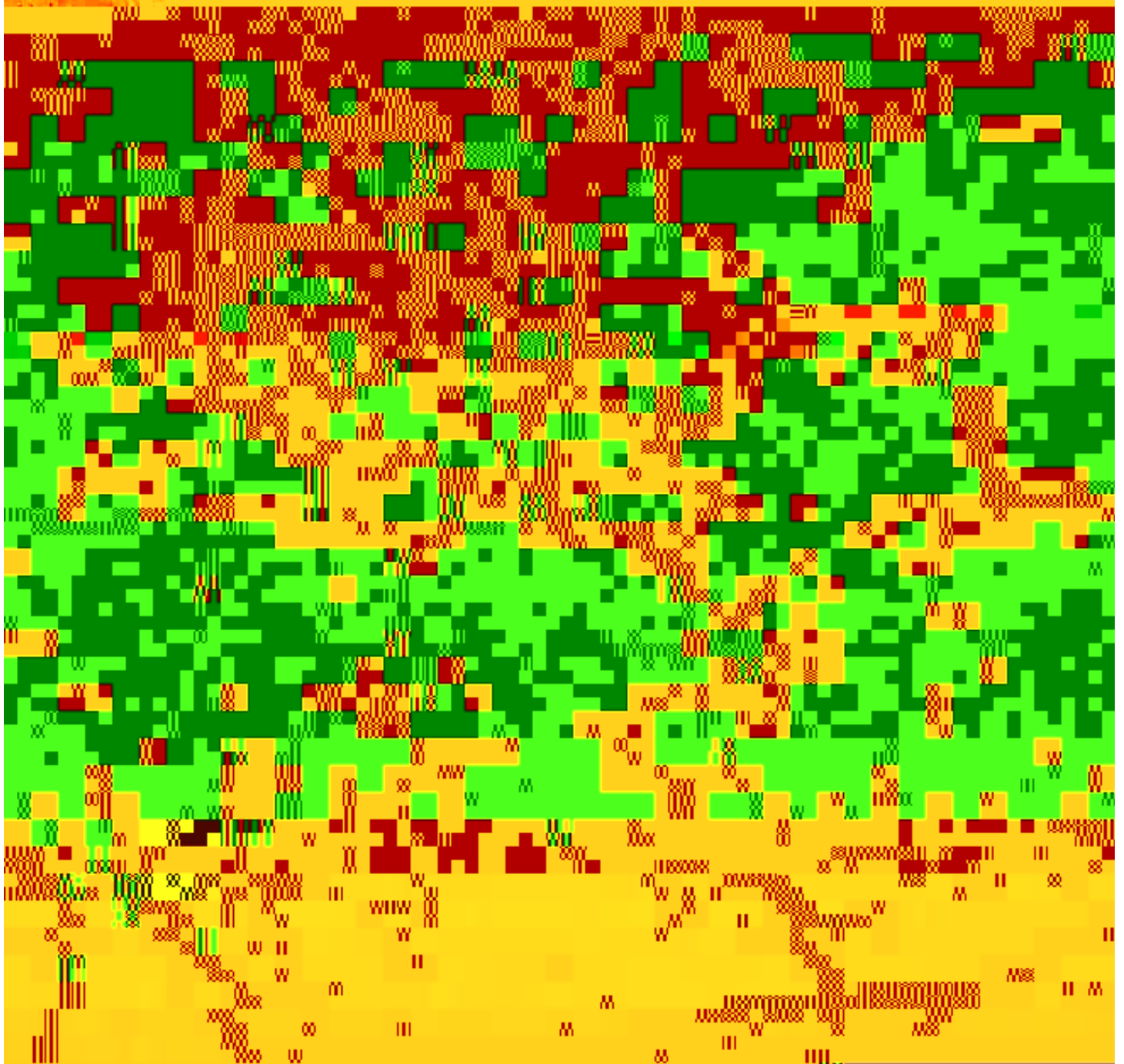


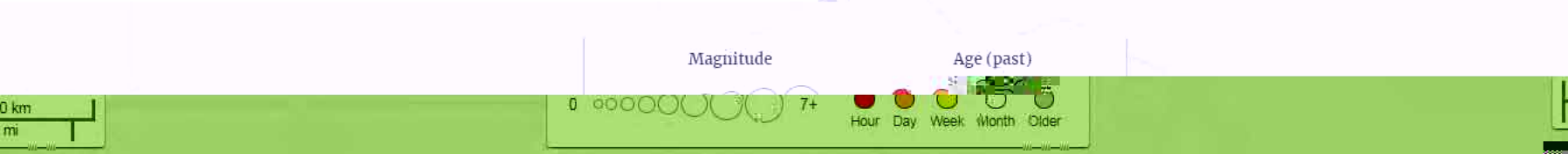
23 0 8 [. . e F i a z c z P [. . c [] a U [] v & . . e H [G H i i O U i U o) v i * - i O a p e c ^ i i a . i O O U i O) * j) ^ i j) * Y Z i O i u T Y O a Y ^ i p a) a . e . i . . a . . . (^) i G E F i a Y ^ i p a) a . e . i . . a . .

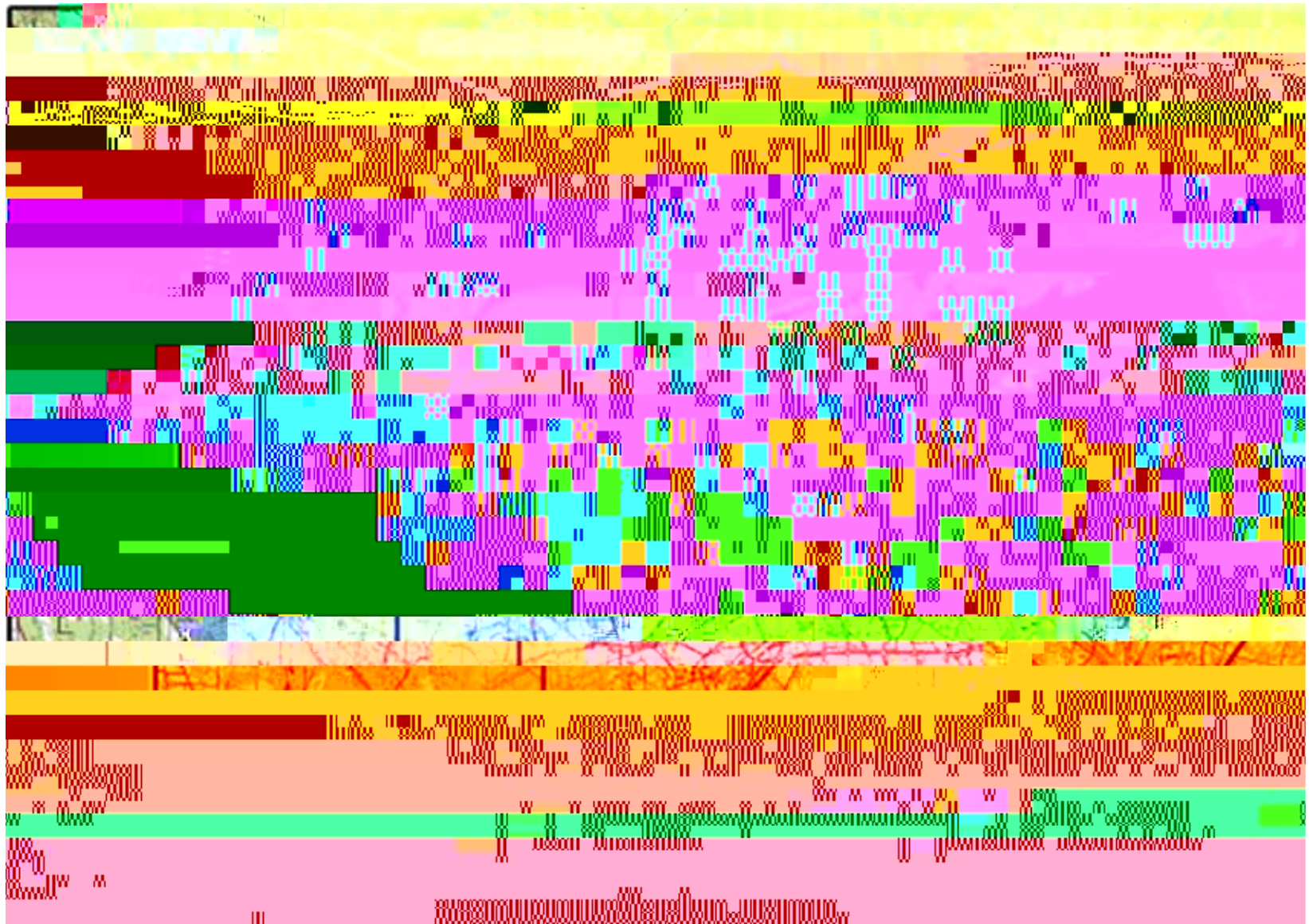


az~•@ [~•eFiaacazP [•c []aU []&••eHIG HIiOUiUo)^i •• iOaiaa^iia•iOUiUo)•z)^i] •• YZiUuTYOaY^iia) a•E••••i)iGEF aY^iia) i•E••••^ (









LOCATION RESTRICTIONS DEMONSTRATION
CERTIFICATION

Calaveras Power Station
San Antonio, Texas
CIP Project

CERTIFICATION

I hereby certify that I am a duly authorized representative of the State of California and that I am duly qualified to perform the duties of the position of the State of California.







Environmental Resources Management
206 East 9th

512ces6.1) 45ces6.19-4ces6.1700t

P^á!á&áÜæcá} *Áá~ÁTæ]ÁW}æc · Ó^ææ!ÁÔ[~}c~ÉÁV^ææ•
ÇБ[ic@^!}ÁÔÔÜÁW}æc•ÁÉÁÔæ]æç^!æ•ÁÜ[, ^!ÁÜcæcá[}D



<mXf]W'FUh]b['Vm'AUd' I b]h

AUd' i b]h'gmaVc'	AUd' i b]h'bUaY	FUh]b[5WfYg]b'5C=	DYfWYbh'cZ'5C=
Ò˘Ô	Œ ˘-Á•æ}áÉÁ€c[ÁÍÁ]ˆ!&ˆ}cÁ € • []ˆ•		GFÌÈH	GÌÈJÄ
Õ[Õ[, ^)Á& æˆÁ [æ {ÉÁ€c[ÁGÁ F]ˆ!&ˆ}cÁ• []ˆ•ÉÁ [&&æ•i[]]æ ˆÁ- [[á^á		HÉJ	€ÉÍ Ä
P\Ó	Yá &[Á [æ {ˆÁ-í}ˆÁ•æ}áÉÁ€Á € c[ÁHÁ]ˆ!&ˆ}cÁ• []ˆ•		FÍÍÈH	G€ÉÍ Ä
P\Ô	Yá &[Á [æ {ˆÁ-í}ˆÁ•æ}áÉÁHÁ € c[ÁÍÁ]ˆ!&ˆ}cÁ• []ˆ•		GÌÉÍ	HÉÍ Ä
P\ÔG	Yá &[Á [æ {ˆÁ-í}ˆÁ•æ}áÉÁHÁ c[ÁÍÁ]ˆ!&ˆ}cÁ• []ˆ•ÉÁ ˆ! [á^á			

8YgWf]dh]cb

V@ã•Á!æcä} *Áä} ää&æc^•Ác@^Á] ^!&^}cæ*^Á[-Á {æ]Á~}äc•Ác@æcÁ { ^c•Ác@

P^á{&ÁÜæcá} *Áà~ÁTæ]ÁW}æc · Ó^ææ!ÁÔ[~}c^ÉÁV^ææ•
ÇÜ[~c@^!}ÁÔÔÜÁW}æc•ÁÉÁÔæ|æç^!æ•ÁÚ[, ^!ÁÜcæcá[]D



<mXf]W'FUh]b['Vm'AUd' I b]h

AUd' i b]h'gmaVc'	AUd' i b]h'bUaY	FUh]b[5WfYg']b'5C=	DYfWYbh'cZ'5C=
Ö { Ö	Ö çæ]h[[æ { ^ä-ä} ^ä•æ} äëëÄ F c[ÄÄ] ^!&^} çh•[] ^•		ìÈH	íëÄ

8YgWf]dh]cb

V@ã•Á!æcã} *Áã} äã&æc^•Ác@^Á] ^!&^}cæ*^Á[-Á {æ]Á~}äc•Ác@æcÁ { ^^c•Ác@

Registration No.:

; 9C@C; MGI A A 5FM

EXCERPTS FROM 1 3 ME .EX2 M

2.1

SITE DESCRIPTION

CPS Energy owns and operates the Calaveras Power Station located so

The groundwater-bearing unit in the vicinity of the Northern CCR Units appears to exhibit unconfined conditions based on the potentiometric function

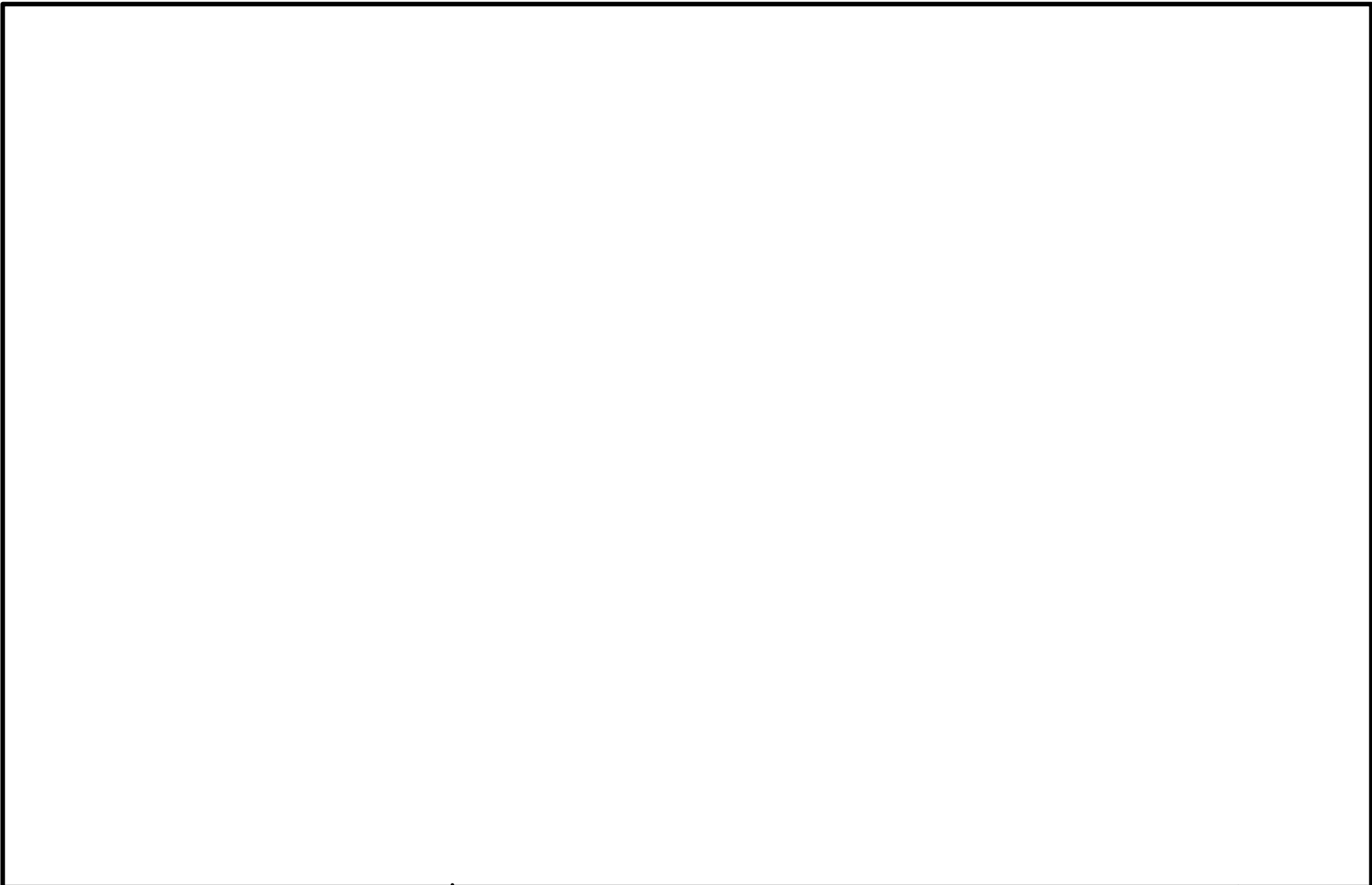
'%&

9j UdcfUjcb DcbXfØDL

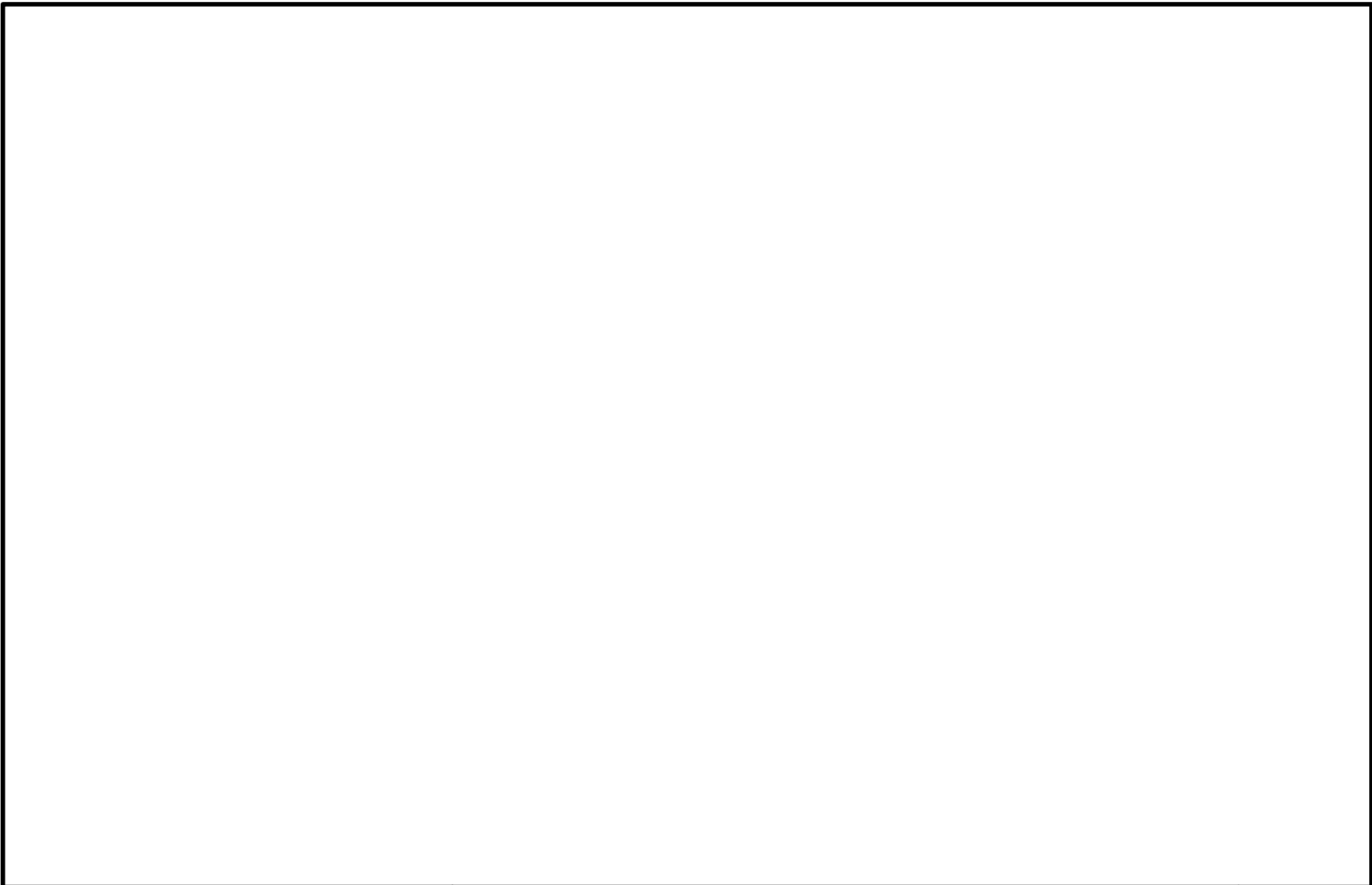
Based



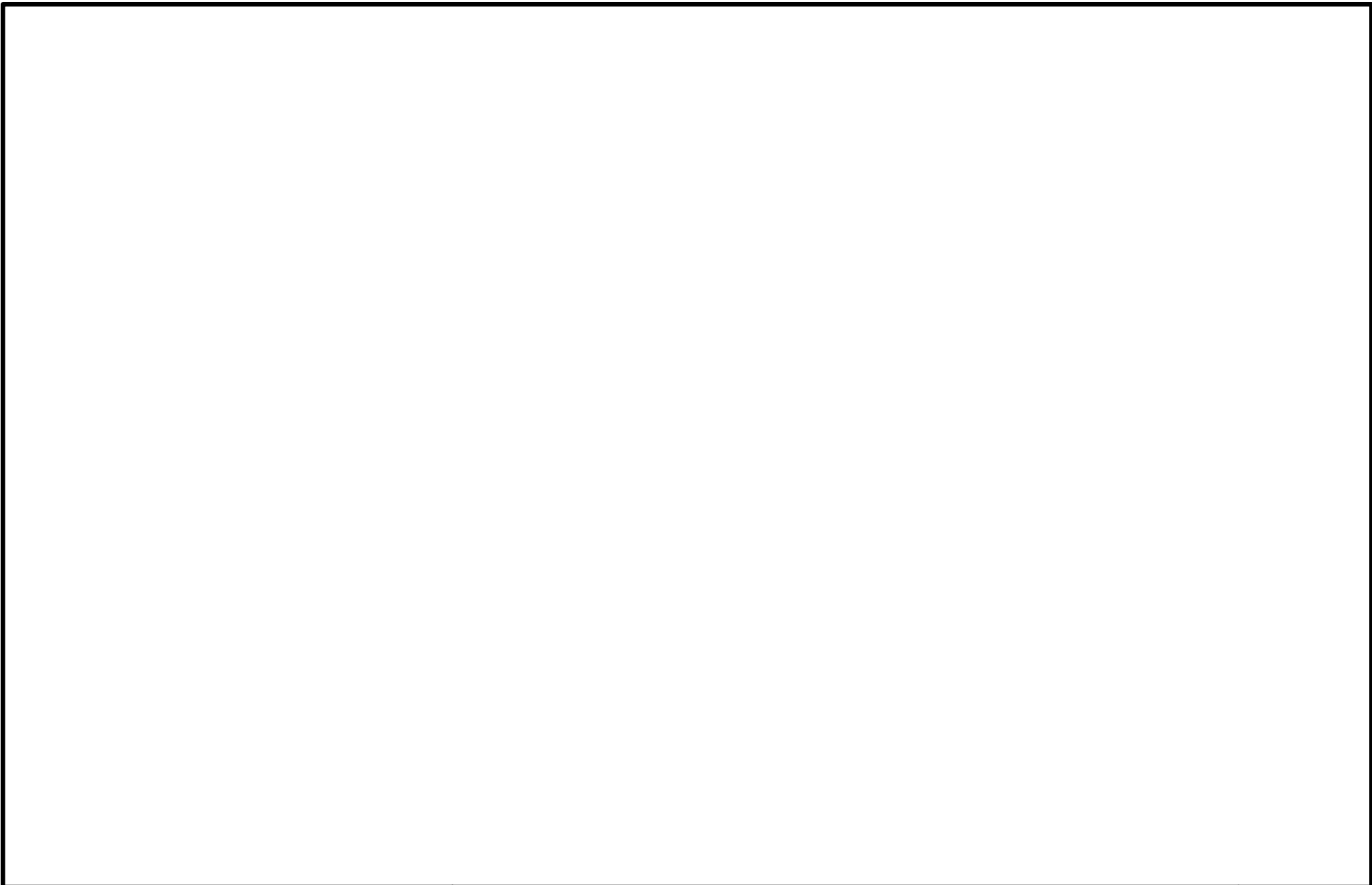
**BOTTOM ASH PONDS
POTENTIOMETRIC SURFACE MAPS**



DESIGN:	DRAWN:			
DATE:				



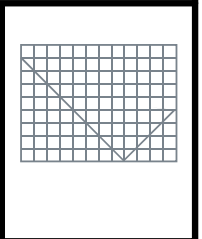
DESIGN:		
DATE:		

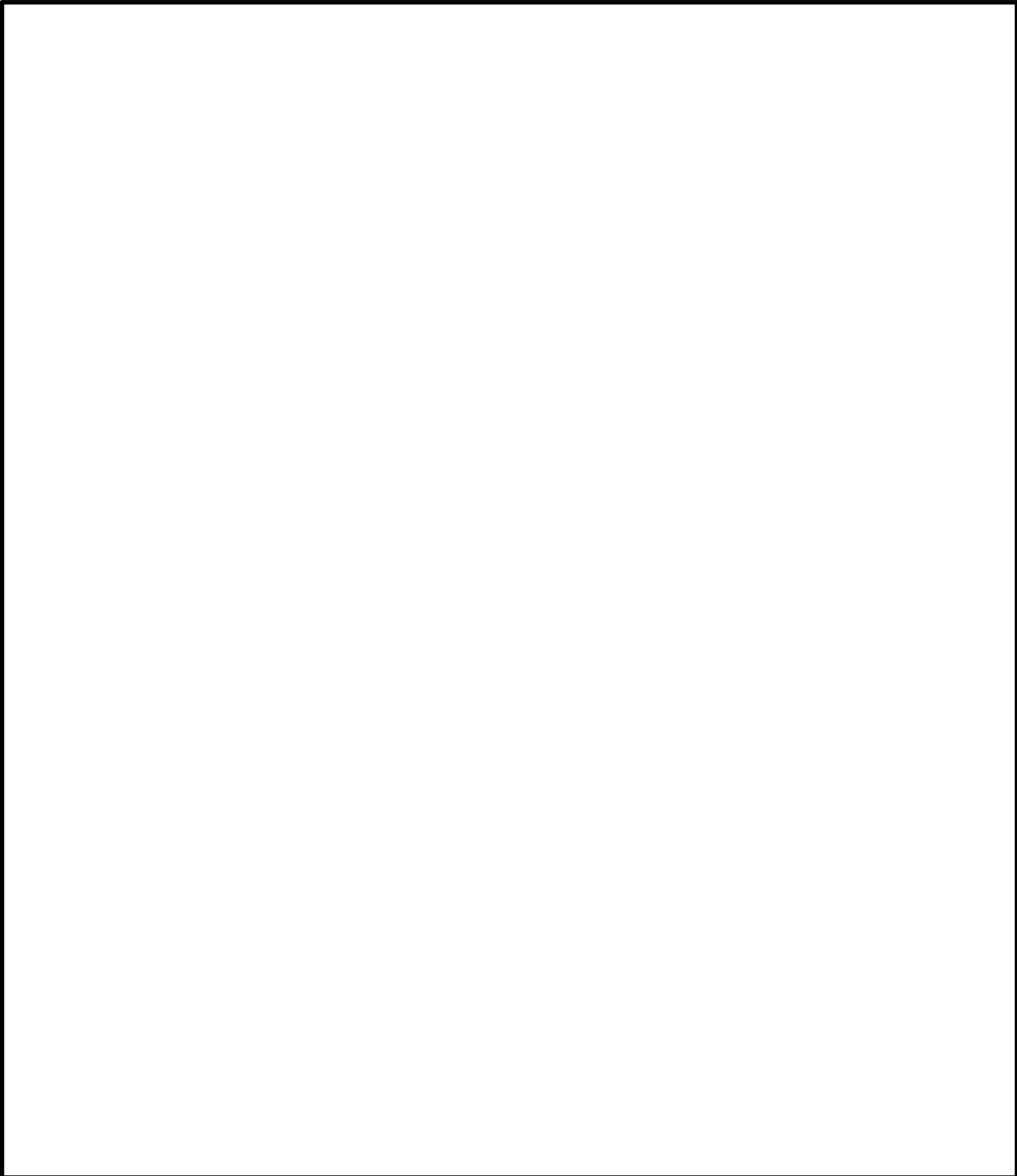


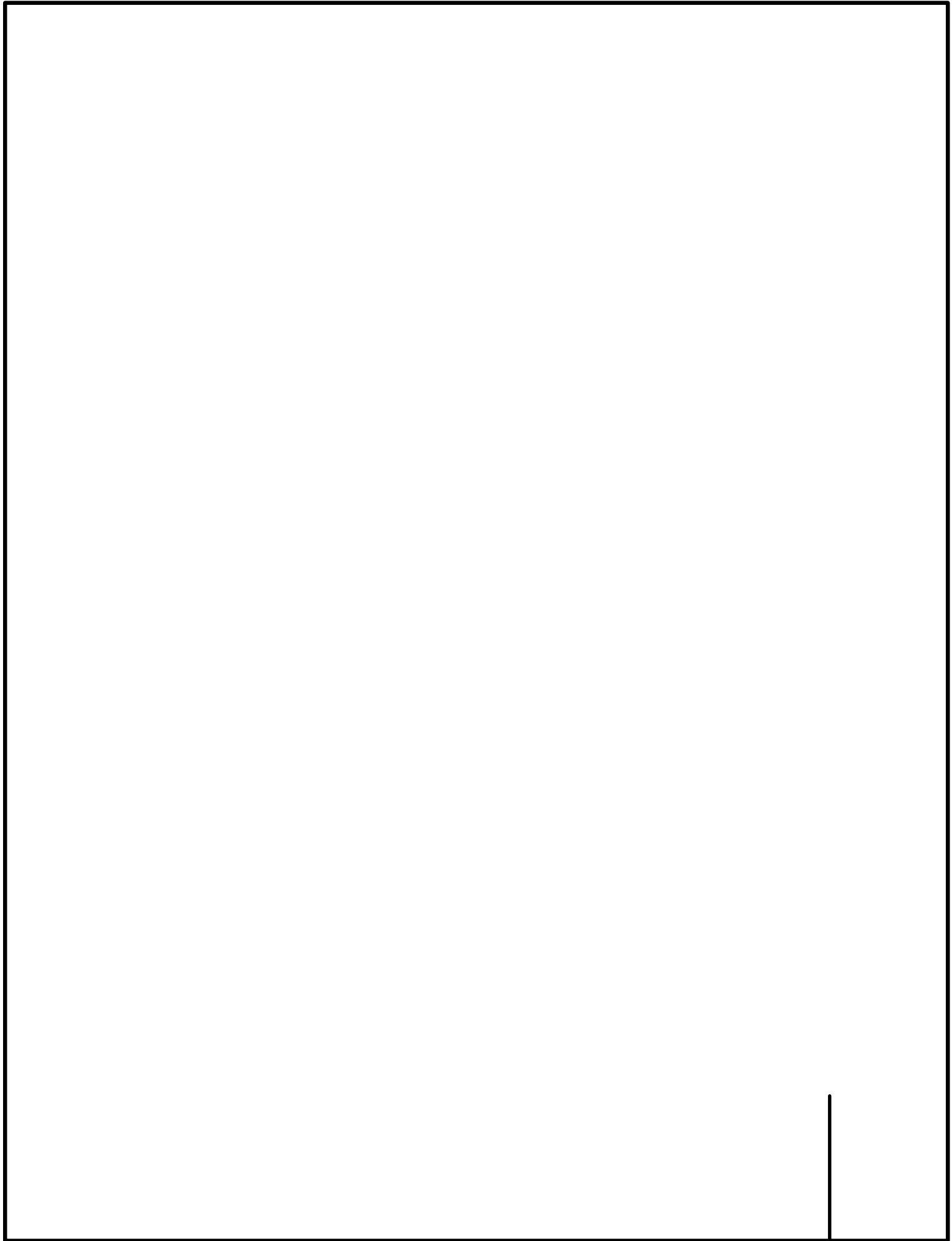
DESIGN:		
DATE:		

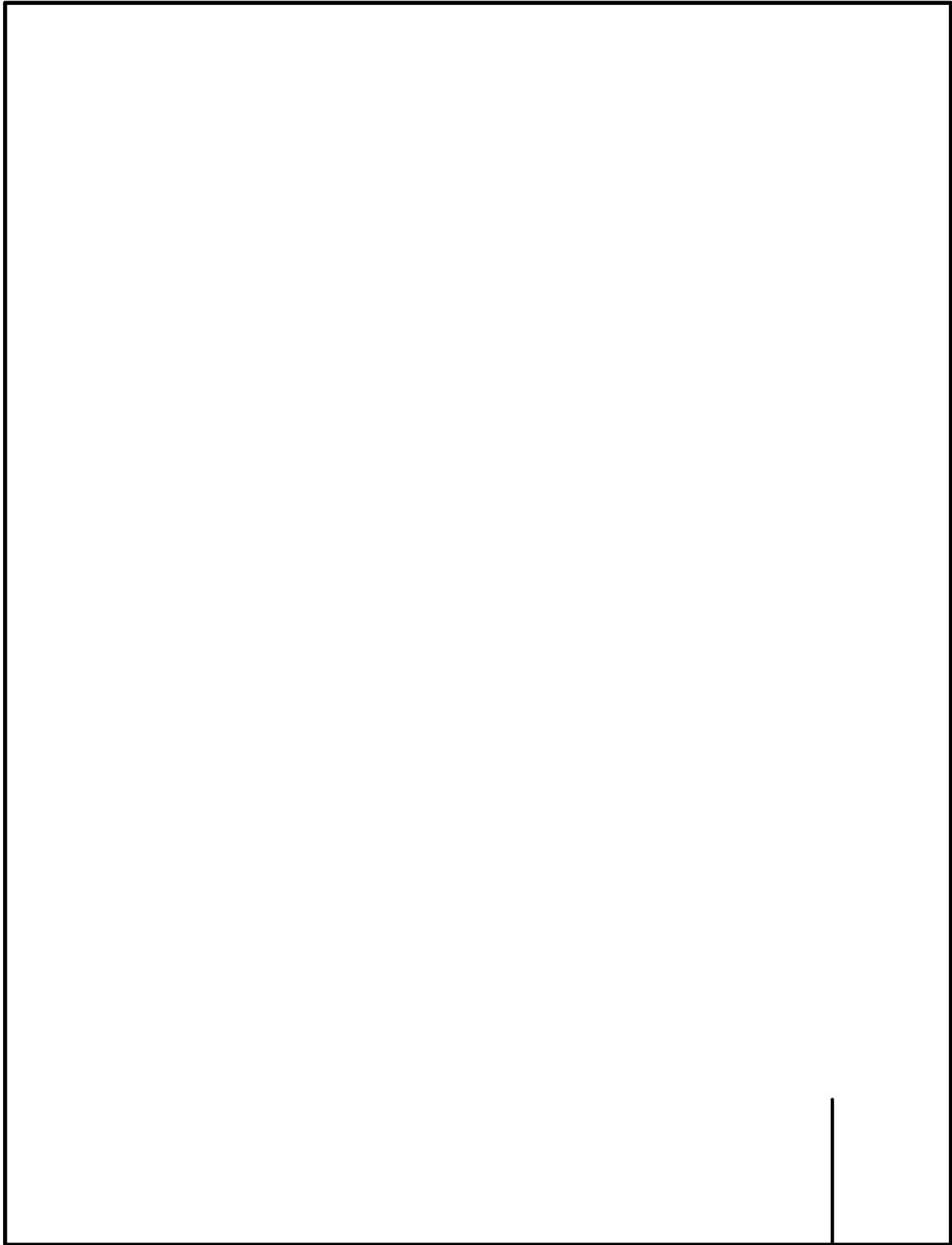
EVAPORATION POND

DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:





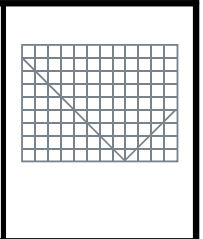
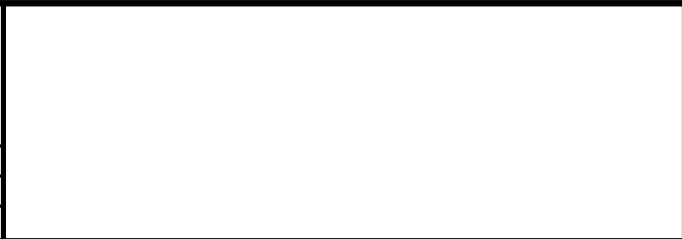


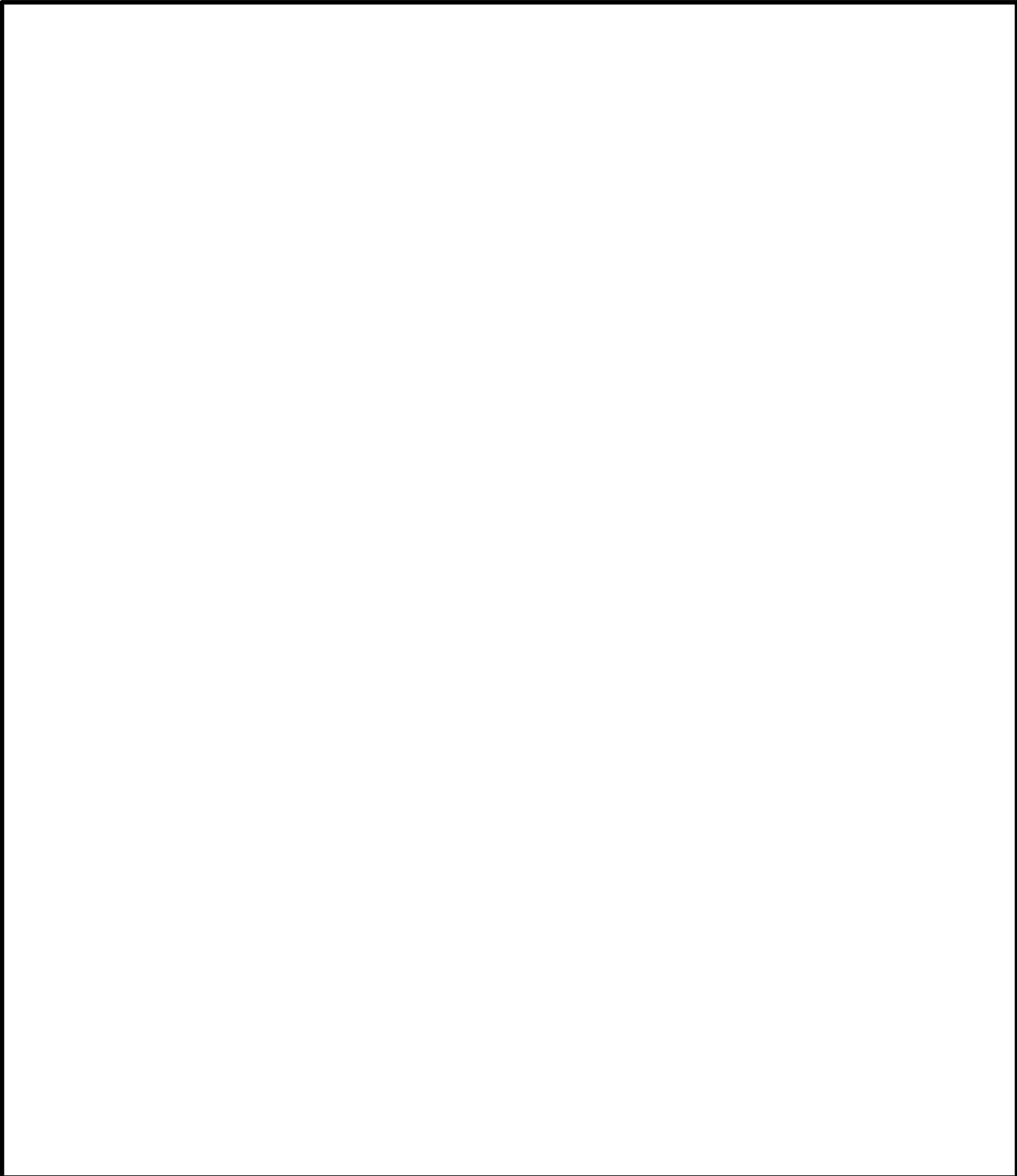


FLY ASH LANDFILL

POTENTIOMETRIC SURFACE MAPS

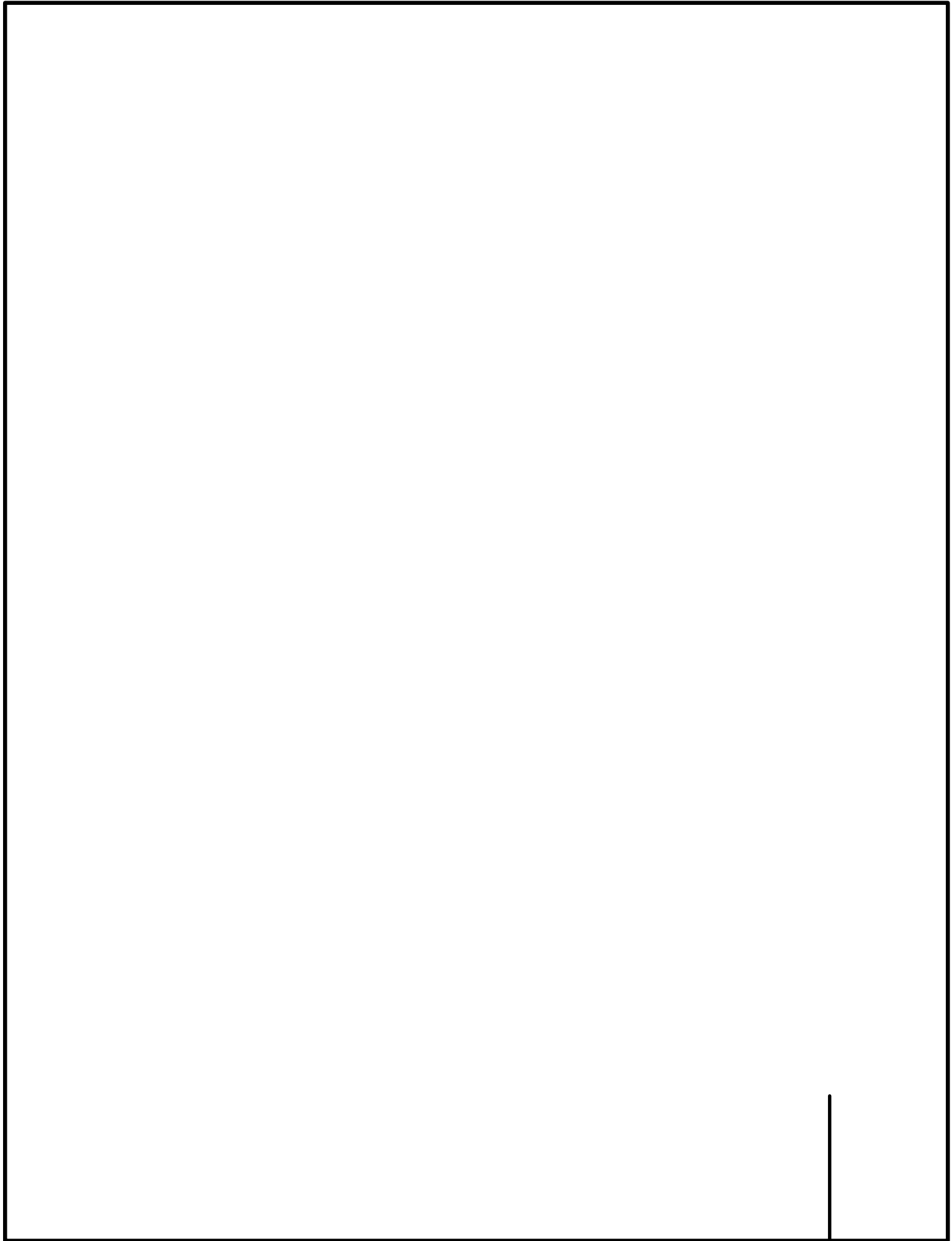
DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:

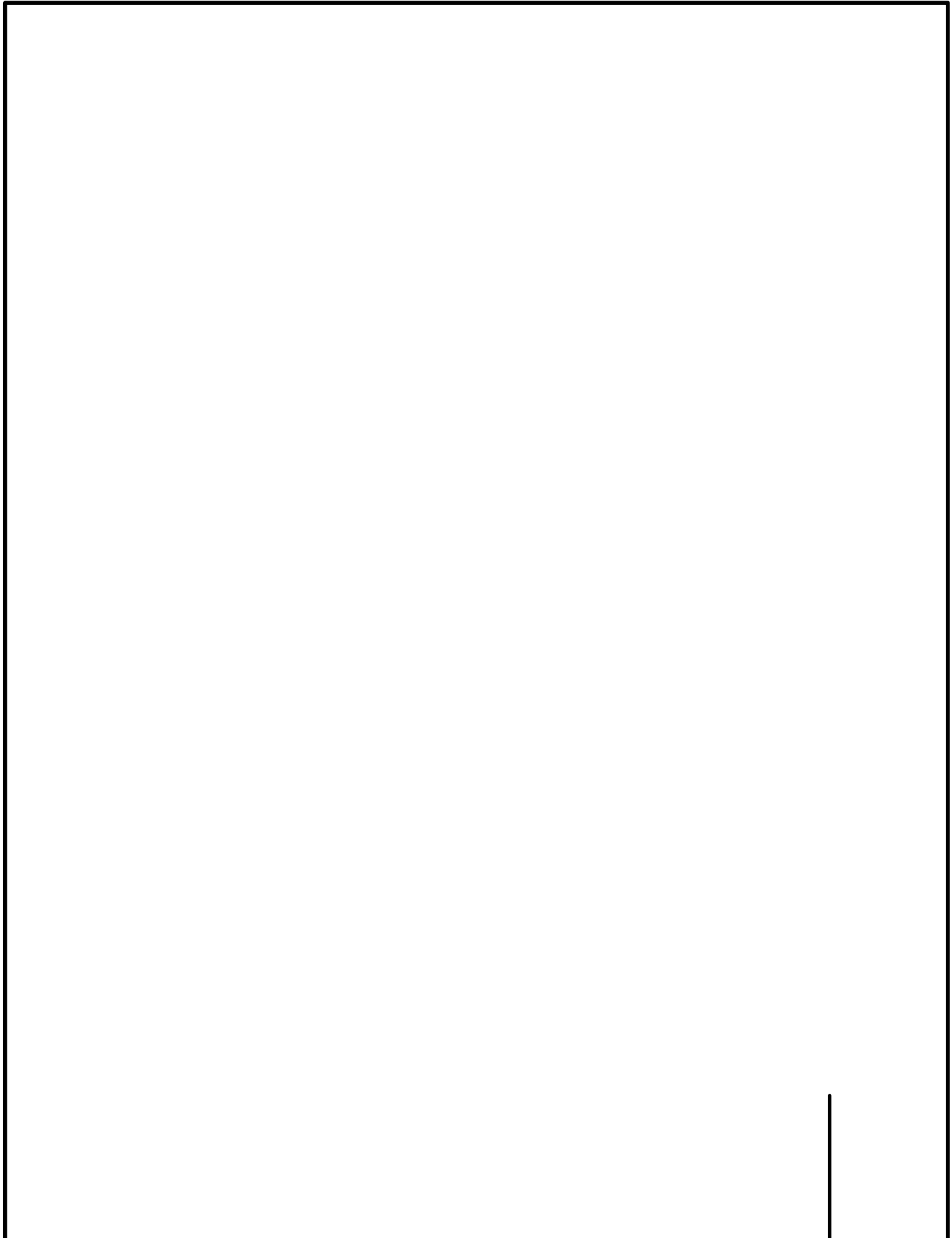




DESIGN:	DRAWN:	CHKD.:				
DATE:	SCALE:	REVISION:				







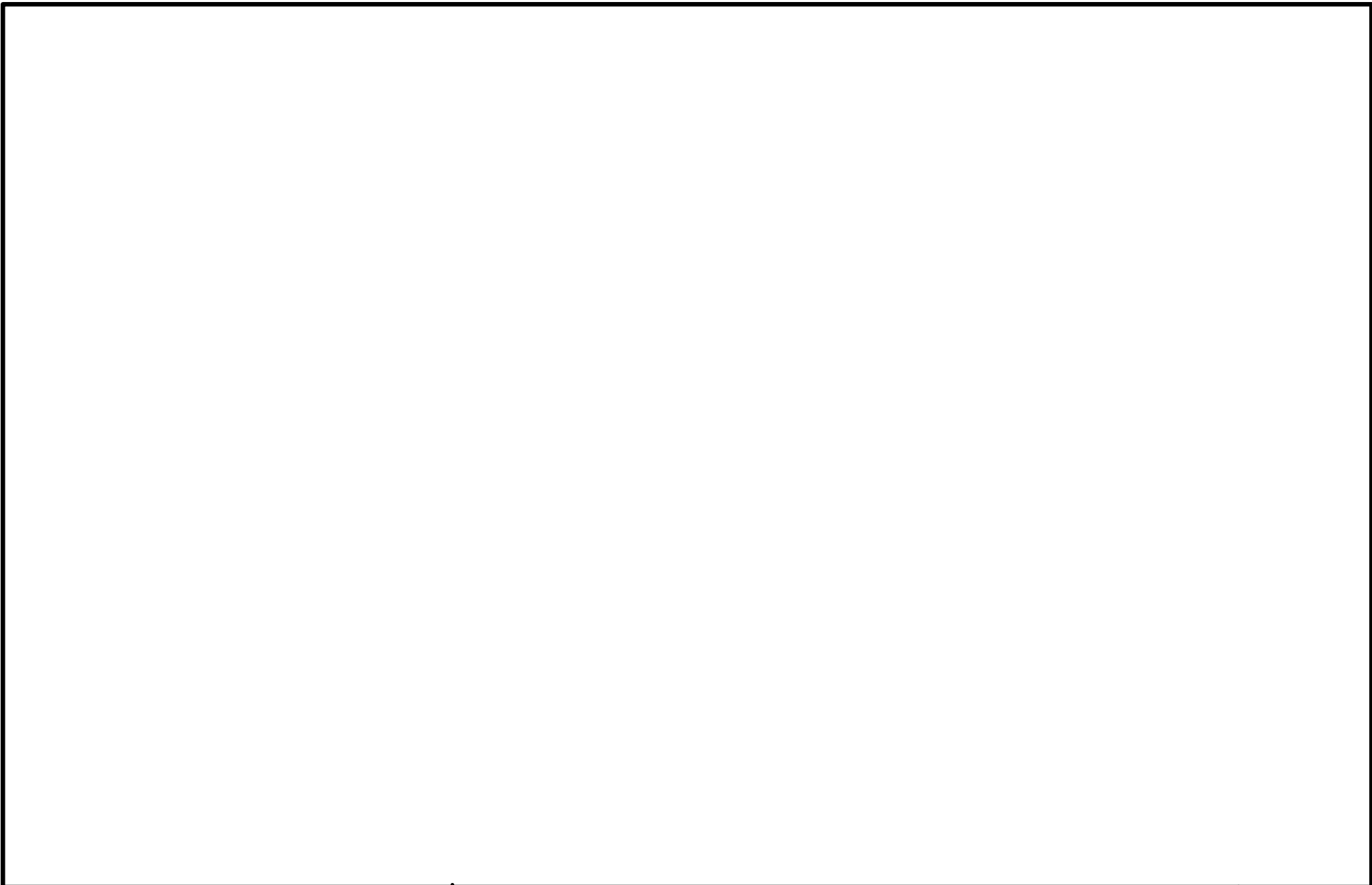
SRH POND

POTENTIOMETRIC SURFACE MAPS

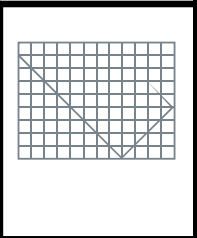
|

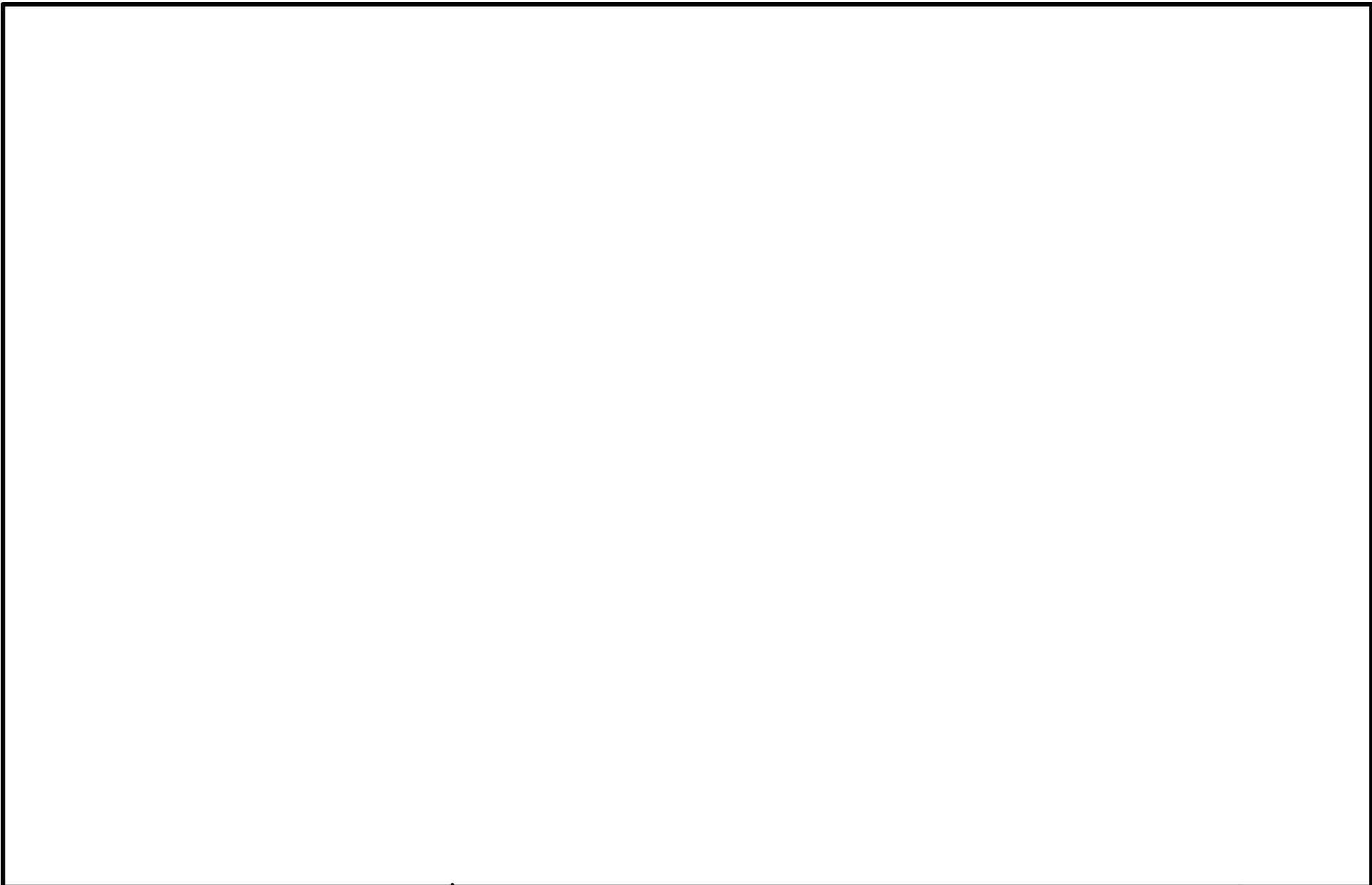
|

|

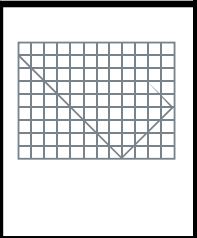


DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:





DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:



BOTTOM ASH PONDS

5B5@MH=75@F9GI@HG

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

12/7/16 2/22/17 3/28/17 5/3/17 6/20/17 7/25/17 8/29/17 10/10/17 4/4/18 10/30/18 4/9/19 10/22/19 4/28/20 10/21/20

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

Constituents	Unit
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 Monitoring	
Antimony	mg/L
Arsenic	mg/L

TABLE 3

TABLE 3

TABLE 3
 Groundwater Analytical Results Summary
 CPS Energy - Calaveras Power Station
 Bottom Ash Ponds

Constituents	Unit
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 Monitoring	
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
Selenium	mg/L
Thallium	mg/L
Radium-226	pCi/L
Radium-228	pCi/L

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

H: Bias in sample result likely to be high.

L: Bias in sample result likely to be high.

EVAPORATION POND

5B5@MH=75@'F9G I @HG

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

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

TABLE 3
Groundwater Analytical Results Summary

TABLE 3
Groundwater Analytical Results Summary

TABLE 3
Groundwater Analytical Results Summary

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
Total dissolved solids	mg/L
Appendix IV - Assessment Monitoring	
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
Selenium	mg/L
Thallium	mg/L
Radium-226	pCi/L
Radium-228	pCi/L

NOTES:

mg/L: Milligrams per Liter.

SU: Standard U1 Or.

pCi: PS per L(ter.)TJ 0.0015 Tc 0.0110 Tw 0 - 0.015 TD H: Bias in sa(m)-4 d (Radium-226[m]r(g/L))TJ 0.0018 Tc -341 TcdE2l 468.36 7356)3524.32 re 145 (6T 0 Tc 0 Tw 0 8.16 -8.16 0 475.68 11576 Tm 176 0)ET BT 0.0035 Tc -0.2027 Tw -15076 -8.16 0 475.68 11576 Tm 180 ET be hi468.36 7356)3524.32

TABLE 3

TABLE 3
Groundwater Analytical Results Summary

TABLE 3
Groundwater Analytical Results Summary

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Sr65.17 (a)-6.2 Sr65.17 iPo
A

SRH POND

5B5@MH=75@'F9GI@HG

TABLE 3

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

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

Constituents **Unit**
Appendix III - Detection Monitoring

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

Constituents **Unit**
Appendix III - Detection Monitoring

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

Constituents **Unit**
Appendix III - Detection Monitoring

K9@@7CBGHFI7H:CB'8=5 ; F5AG'5B8'8F=@@=B ; `@C ; G'

0337367	JKS-45	2016-04-04
Groundwater Investigation	CPS Energy	
Calaveras Power Station - San Antonio	62.00 '	8.25 "
13667132.78'	2186615.40'	528.31 '

47.19 2016-05-31

Strata Core Services, LLC	Joseph Ray
Hollow-Stb A geC	

0337367

Groundwater Investigation

JKS-45

CPS Energy

2016-04-04

0337367	JKS-46	2016-04-05
Groundwater Investigation	CPS Energy	
Calaveras Power Station - San Antonio	30.00 '	8.25 "
13667810.11'	2187972.31'	495.75 '

19.38 2016-05-31

Strata Core Servi

JKS-46

0337367	JKS-46	2016-04-05
Groundwater Investigation	CPS Energy	
Calaveras Power Station - San Antonio	30.00'	8.25"
N. Coord. 13667810.11' E. Coord. 2187972.31'	495.75'	Ft. MSL

19.38 2016-05-31

Strata Core Services, LLC

Joseph Ray

Hollow-Stem Auger

Nick Houtchens

0337367

JKS-47

2016-04-05

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

JKS-47

0337367

JKS-47

2016-04-05

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

48.00'

8.25"

N. Coord. 13665709.79' E. Coord. 2186503.87'

510.28'

Ft. MSL

31.37

2016-05-31

Strata Core Services, LLC

Joseph Ray

Hollow-Stem Auger

Nick Houtchens

0337367

JKS-48

2016-04-06

Groundwater Investigation

0337367

Groundwater Investigation

F-04-06

JKS-48

CPS Energy

2016-04-06

n

B

†

n

†

JKS-49

0337367

JKS-49

2016-04-06

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

19.00'

8.25"

N. Coord. 13660519.40' E. Coord. 2186229.15'

495.17'

Ft. MSL

9.32

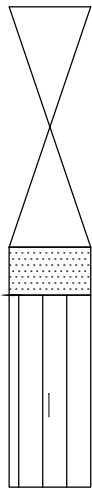
2016-05-31

Strata Core Services, LLC

Joseph Ray

Hollow-Stem Auger

Nick Houtchens



0-5 NO RECOVERY: Previously excavated by hydrovac truck.

5-6 SAND: Greyish tan; very moist; fine-grained; sub-angular; moderately sorted; loose; non-plastic; orange silt stringers.

6-10 SILT: Greyish tan; very moist; loose; non-plastic; minor fine-grained

0337367

JKS-50

2016-04-06

€HÎÎÎH

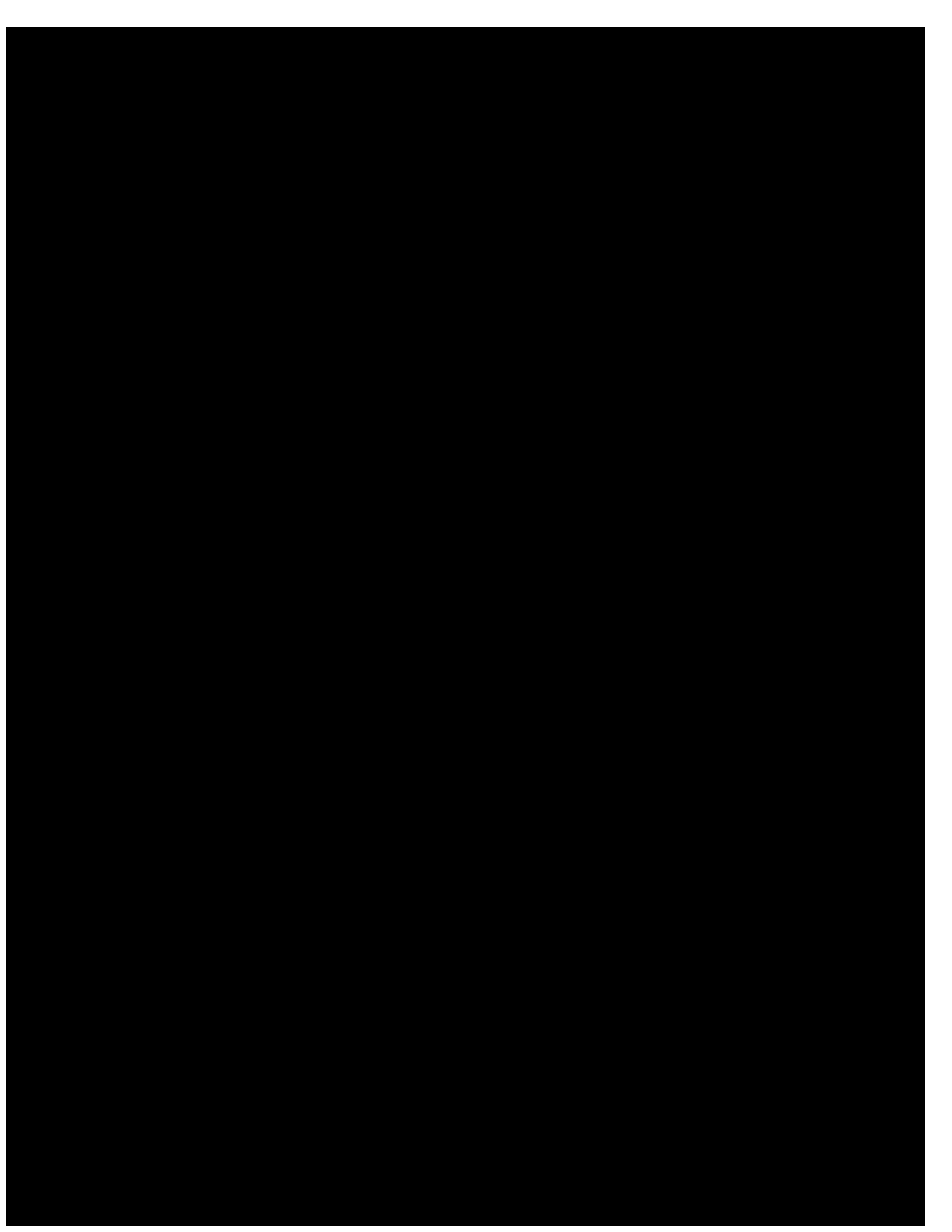
Ö! [~ } äÄ Y æc^!ÄQ } ç^* cä [} ÄÉÄÜ@æ•^ÄQ

Ôæ|æç^!æ•ÄÜ [, ^!ÄÜcæcä [} ÄÉÄÜæ } ÄCE } c [} ä [

RSÜÉí€Ü

ÔÜÜÄÒ } ^! * ^

GEFÍÈFÈÈÈí



€HÍÍIH

Ö: [~ } áÁ Y æc^iÁQ } ç^•cá* æcá [} ÁÉÁÚ@æ•^ÁQ

Óæ|æç^!æ•ÁÚ [, ^!ÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [} á [

FHÍÍJÎÌHÉGÎ

RSÜÉÍG

ÔÚÚÀÒ } ^! * ^

GEFÍÈ€JÈ€F

€HÍÍH

RSÚÉÍG

€HÍÍÍH

RSÜÉÍH

G€FÍ€€J€€G

Ö: [~ } á Á Y æ c ^ ! á Q } ç ^ • c ä * æ c ä [} Á É Á Ú @ æ • ^ ^ ! Ú

œ á í ó à * • k á ú [& \ ^ c • á [- á [! æ) * ^ á & [[! ^ á í • æ) â È

Á Ú œ Þ Ö Ÿ Á Ú ö Š V Ÿ Á Ô Š œ Ÿ K Á V æ } Á c [Á ! ^ á ä ä • @ Á * ! æ ~ L Á , ^ c L Á [[, Á] | æ • c ä & ä c ~ L Á } [Á [á [! È

Í È Ì Í

RSÜËÍ I

€HÍÍÍH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ACE } c [} á [

ÞÉÁÔ [[iãÈ FHÍÍJÍÍHÉHIC ÒÉÁÔ [[iãÈ GFÍÍÍFÉJÎC

RSÜËÍ I

ÔÚÚÀÒ } ^i*^

GËÉÍ€

IJGÉÍJÁ

G€FÍ€J€G

ÌEGÍÁÁ

ØcÉÁ T ÛŠ

F€ÉÍJ

Á

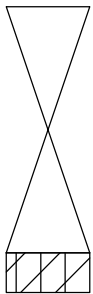
Ùc|æcæÁÔ [!^ÁÚ^içá&^•ÉÁŠŠÔ

P [[[, ÈÚc^ { ÁcE~*^i

Á

Û^æ } ÁÚ] æ~•c

œ } á: ^ , ÁP^ } i^



Ô

Ô

Ô

€ÉÍ

ÞUÁÜÒÔUXÒÜÿKÁÚi^çá [~•|^Á^c&æçæc^ááá^Á@~á: [çæ&Ác i ~ & \ È

ÍÉÍÈÌ

ÔŠs

ÔŠcEÿÖÿÁÚŠVÁU: |æ } *á•@Áá: [,) Á , á@Ái^ÁLáæ {] UQç•^LÁ } [

T ÔŠð

h t

h t

RSÜÉÍ Í

€HÍÍÍH

Ö: [~) áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Óæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [} á [

ÞÉÁÖ [[iáÉ FHÍÍJÍJÉÍÏ ÖÉÁÖ [[iáÉ GFÍÍÍI€ÉÍÏ

RSÜÉÍ Í

ÔÚÚÁÒ } ^i*^

GÍÉ€€

IJ€ÉFHÁ

GEFÍ€€J€ÉÍ

ÌEGÍÁÁ

ØÉÁTÚŠ

ÌÈHÍ Á

Ùc|æcáÁÖ [i^ÁÚ^içá&^•ÉÁŠŠÖ

P [[[, ÈÚc^ { ÁCE~*^i

Á

Ü^æ}ÁÚ]æ~•c

œ}á: ^ , ÁP^}i^



€ÉÍ

ÞUÁÜÒÔUXÒÜYKÁÚi^çá [~ •|^Á^ç&æçæc^ááá~Á@~á: [çæ&Áci~& \È



€HÎÎIH

Õ! [~) äÁ Y æc^!ÁQ } ç^•câ* æcâ [] ÁÉÁÚ@æ•^^!X

RSÙÉÍÎ

GEFÎË€JËËÎ

€HÍÍIH

Ö: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

RSÜÉÍ

G€FÍ€€J€Í

€HÍÍÍH

Ö: [~) äÁ Y æc^!ÁQ } ç^•cä*æcä [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcä [] ÁÉÁÚæ)ÁCE)ç [] ä [

RSÜÉÍ Ì

ÔÚÚÀÒ) ^! * ^

GEFÍÈ€JÈÈÌ

€1111H

€HÎÎÎH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá* æcá [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcá [] ÁÉÁÚæ } ÁCE } c [] } á [

FHÎÎÎ€G€FHC

GFÎÍFÍHÉÌÌ

RSÙÉÍG

ÔÚÚÀÒ } ^! * ^

HÎÉ€€

Í€ÍÉÍFÁ

G€FÍÉ€JÉÈÌ

ÌÈGÍÁÁ

GÌÈJ€

Ùc|æcæÁÔ [!^!ÁÚ^!çá&^•ÉÁŠŠÔ

€HÍÍIH

Õ: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Óæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ACE } c [} á [

FHÍÍIHGEÉIÍ

GFÍÍIHÉHÍ

RSÜÉIH

ÔÚÚÀÒ } ^i*^

GEFÍÉEJÉEi

€HÍÍIH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá* æcá [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcá [] ÁÉÁÚæ } ÁÉ) c [] á [

FHÍÍGHÉÍÎÇ

GFÍÍÍHÉHÎÇ

RSÜÊIH

ÔÚÚÀÒ } ^! * ^

í€€€€

íGHÉÍÍÁÇ

GEFÍÊ€JÊÈÌ

ÌÈGÍÁÁ

IIÊË Á

Á

Ùc|æcæÁÔ [! ^!Ú^!çá&^•ÉÁŠŠÔ

Ü^æ } ÁÚ] æ~•c

P [[[, ÈÚc^ { ÁÉ~*^! }

€HÎÎÎH

Õ: [~ } áÁ Y æc^iÁQ } ç^•cá* æcá [} ÁÉÁÚ@æ•^ÁQ

RSÙÈÎH

ÔÚÚÀÒ}^! * ^

GEF ÎÈEJÈÈÌ

JKS-63R

0503422

JKS-63R

2019-05-02

Calaveras Power Station - Well Re-Install

CPS Energy

Calaveras Power Station

24.00 '

8.61 "

N. Coord. NA

E. Coord. NA

0.00 '

Ft. MSL

36.00

SB Installation

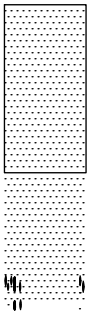
0.00

Vortex Drilling Partners, LP

James Neal

Hollow-Stem Auger

Nick Houtchens



0-3.5 SAND: Brown; dry to damp; very-fine grained; sub-angular; poorly sorted; loose; minor silt and trace clay content; no odor. Ground surface to 5 ft. bgs logged via post hole digger soil cuttings.

0503422		JKS-63R	2019-05-02
Calaveras Power Station - Well Re-Install		CPS Energy	
Calaveras Power Station		24.00 '	8.00 "
NA	NA	0.00 '	Ft. MSL

36.00	SB Installation	0.00
-------	-----------------	------

Vortex Drilling Partners, LP
Hollow-Stem Auger

James Neal
Nick Houtchens

JKS-63R

0503422

JKS-63R

2019-05-02

Calaveras Power Station - Well Re-Install

CPS Energy

Calaveras Power Station

24.00 '

8.00 "

N. Coord. NA

E. Coord. NA

0.00 '

Ft. MSL

36.00

SB Installation

0.00

Vortex Drilling Partners, LP

James Neal

Hollow-Stem Auger

Nick Houtchens

.....

STATE OF TEXAS WELL REPORT for Tracking #511515

Owner Well #: **JKS-63R**

Grid #: **68-46-5**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which
contained injurious constituents?:

€H11H

CCR Fugitive Dust Control Plan
CPS Energy

Control Plan meets the requirements of the Rule. This certification is provided below:

with the provisions of 40 CFR Part 257.80, attest that this Fugitive Dust Control Plan has been managed in accordance with good engineering practices.



[Handwritten signature]

Date: 10/12/2015

Date: 10/15/2015

0107as

T

Registration No.

State

STABILIZED EXIT

January 28, 2021

January 28, 2021

January 28, 2021
CPS Energy
Houston\0352436\A10478

January 28

January 28, 2021
CPS Energy
Houston

Environmental Resources Management
CityCentre Four
840 West Sam Houston Pkwy N., Suite 600

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Attachment 6 CCR Waste Tables

Registration No.:

Registrant: CPS Energy Calaveras Pos e PStrat(i)-5.4oE n

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Registration No.:

Registrant: CPS Energy Calaveras Power Station

Registration No.:

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Table I.6.A. – Waste Management Information – Fly Ash Landfill

Waste No. ¹	Waste Type(s)	Source	Volume (tons/year)
1	Solid	Storage (100 5)	

Registration No.:

Registration No.:

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Table I.C.6 (Sample Type) Environmental Analytical Methods SR Test Response Time TCEQ 2016 2017 2018 2019 2020

Registration No.:

Registration No.:

Registrant: CPS Energy Calaveras Power Station

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Table IV.A. - Land

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Registration No.:

Registrant: CPS Energy Calaveras Power Station

Registration No.:

Registrant: CPS Energy Calaveras Power Station

Registration No.:

Registrant: CPS Energy Calaveras Power Station

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Table V.J. - Inspection Schedule of Surface Impoundments

Facility Unit(s) and

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Attachment 6 Groundwater Monitoring System Tables

Well Number(s):	JKS-36	JKS-47	JKS-61	JKS-62	JKS-63R	JKS-64
Casing Diameter (in.) and Material						

Registration No.:

Registrant: CPS Energy Calaveras Power Station

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Registration No.:

Registration No.:

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Attachment 6 Groundwater Monitoring Tables

Registration No.:

Registration No.:
Registrant: CPS Energy Power Station

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Attachment 6 Post Closure Tables

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Table VIII.A.1. - Post-Closure Cost Summary for Existing Registered Units

Unit	Cost
Evaporation Pond	\$3,000,000

Registration No.:
Registrant: CPS Energy Calaveras Power Station

Attachment 6 Post Closure Period Tables

Registration No.:

Registrant: CPS Energy Calaveras Power Station



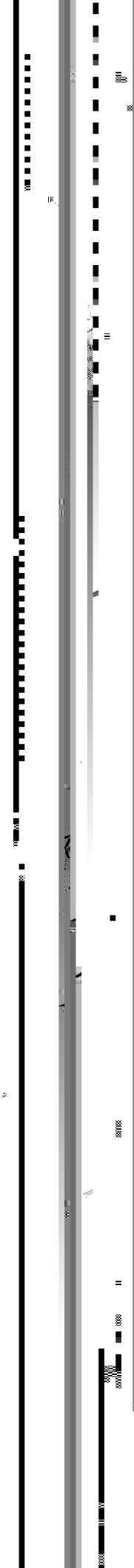
CPS Energy owns and operates the Calaveras Power Station, which is located in unincorporated Bexar County, Texas, approximately 13 miles southeast of San Antonio. Currently, CPS Energy operates the following CCR landfill at the Power Station:

Registration No.:

1111 1111
1111 1111

0000000000

0000000000



0000

0000

0000

0000

0000

0000

0000

0000

0000

0000

Registration No.:
Registrant: CPS Energy Calaveras Power Station

**Attachment 9 Alternative Capacity Infeasibility Demonstration
and EPA Completeness Letter**

Alternative Capacity Infeasibility (n)251ttrfemoitn(.)-.



∴; IF9G'

Activity ID	Activity Name	Duration	Start	
-------------	---------------	----------	-------	--

5DD9B8=L'5' CKB9F'79FH::=75H=CB'C:'7CAD@=5B79'

11/2/20

5DD9B8=L'6' ; FC I B8 K 5H9F'ACB=HCF=B ; 'K9@@@C75H=CBG'A5D'

5DD9B8-L

JKS-45

0337367	JKS-45	2016-04-04
Groundwater Investigation	CPS Energy	
Calaveras Power Station - San Antonio	62.00 '	8.25 "
N. Coord. 13667132.78' E. Coord. 2186615.40'	528.31 '	Ft. MSL

47.19 2016-05-31

Strata Core Services, LLC	Joseph Ray
Hollow-Stem Auger	Nick Houtchens

0337367

JKS-45

2016-04-04

JKS-45

0337367	JKS-45	2016-04-04
Groundwater Investigation	CPS Energy	
Calaveras Power Station - San Antonio	62.00 '	8.25 "
13667132.78'	2186615.40'	528.31 ' Ft. MSL

47.19 2016-05-31

Strata Core Services, LLC	Joseph Ray
Hollow-Stem Auger	Nick Houtchens

0337367

JKS-45

2016-04-04

Groundwater Investigation

0337367

JKS-46

2016-04-05

Groundwater Investigation

0337367

JKS-47

2016-04-05

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

48.00 '

8.25 "

13665709.79'

2186503.87'

510.28 '

0337367

JKS-48

2016-04-06

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

13659658.78'

Oalj8ÀEuh .

eO St% i A i`

zOalN ck58

cHr 3

5

lj6

Ú cN

ay- n

0337367

JKS-49

2016-04-06

0337367

RSÜÉÍ€Ü

€HÎÎÎH

Ö! [~ } äÄ Y æc^!ÄQ)ç^•cä *æcä [] ÄÉÄÜ@æ•^ÄQ

Ôæ|æç^!æ•ÄÜ [, ^!ÄÜcæcä [] ÄÉÄÜæ)ÄCE)c [] ä [

ƆÉÄÖ [] äÈ

FHÎÎ€FIJÉJ€ ÖÉÄÖ [] äÈ FÎÎÎIFÉJG

RSÜÉÍ€Ü

ÖÜÜÄÖ}^! * ^

GGÉÍ€Ä

IJIÉJÎÄ

GEFÍEFÉ€Í

ÌEGÍÄÄ

ØÉÄTÜŠ

FGÉÎÎ

Ä

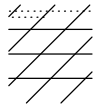
Üc!æcæ!Ö [] ÄÜ^!çä&^•ÉÄŠÖ

Ü^æ)ÄÜ]æ~•c

P [] [, ÈÜc^ { ÄCE~ *^! }

CE)ä!^ , ÄP^}!^

Šæä!Üæ {]] ^
Öæcæ



0337367

JKS-51

2016-04-07

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

29.50 '

8.25 "

13660243.53'

2185630.39'

494.04 '

RSÜËÍG

€HÍÎÏH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá* æcá [} ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [} á [

ƆÉÁÔ [[iáÈ FHÍÍJÎÏHÉGÎÇ ÒÉÁÔ [[iáÈ GFÍÍFHJÉÉÍÇ

RSÜËÍG

ÔÚÚÁÒ } ^i*^

HGÉÍ€

I JHÉÍ ÎÁÇ

G€FÍÈ€JÈ€F

ÌÈGÍÁÁ

ØcéÁ T ÚŠ

ÏÈ€ Á

Ùc|æcæÁÔ [!^iÁÚ^içá&^•ÉÁŠŠÔ

P [[[, ÈÚc^ { ÁCE~*^i

Á

Û^æ } ÁÚ } æ~•c

œ } á: ^ , ÁP^ } i^



€HÍÍÍH

Õ: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Óæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ)ÁCE)ç [} á [

F

RSÜÉÍH

ÔÚÚÀÒ}^! * ^

G€FÍ€€J€€G

RSÜËÍ I

€HÍÍÍH

Ö: [~) áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [} á [

ÞÉÁÔ [[iãÈ FHÍÍJÍÍHÉHIC ÒÉÁÔ [[iãÈ GFÍÍÍIFÉJÎC

RSÜËÍ I

ÔÚÚÀÒ } ^i*^

GËÉÍ€

IJGÉÍJÁ

G€FÍ€€J€€G

ÌEGÍÁÁ

ØcÉÁ T ÛŠ

F€ÉÍJ Á

Ûc|æcæÁÔ [i^ÁÚ^iç&^•ÉÁŠŠÔ

P [[[, ÈÛc^ { ÁCE~*^i

Á

Û^æ}ÁÚ]æ~•c

œ}á: ^ , ÁP^}i^



€ÉÍ

ÞUÁÜÒÔU»ÒÜÜÖÍ^çá [~•-

ÒÔ

Q [€:

Í

€HÍÍIH

RSÜÉÍ I

GEFÍ€€J€€G

€HÎÎIH

Ö! [~) ä Á Y æ c ^ i Á Q } ç ^ • c ä * æ c ä [] Á É Á Ú @ æ • ^ Á Q Q

RSÜÉÍ Í

GEF Î È € J È È Í

€HÍÍIH

RSÜÉÍÍ

GEFÍÉEJÉEÍ

GEFÍÉEJÉEÍ M

€HÍÍIH

Ö: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

RSÜÉÍ

G€FÍ€€J€É

€HíîîH

Õ: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^n

RSÜÉÍ

G€Fí€€J€í

RSÜĚÍÌ

€HÍÍÍH

Ō: [~) áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Ōæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [] á [

ƆÉÁŌ [[i:áĚ FHÍÍÍJJIEJJC ŌÉÁŌ [[i:áĚ GFÍÍÍJÍÉHJC

RSÜĚÍÌ

ŌÚÚÁŌ } ^i*^

HGĚ€€Ĺ

Í€€JIAĹ

G€FÍĚ€JĚĚĪ

ÌĚGÍĀĀ

ØĚÁTÚŠ

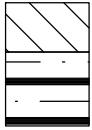
GFĚ€J

Ùc|æcæiŌ [!^iÁÚ^iç&^•ÉiŠŠŌ

P [[[[, ĚÚc^ { ÁCE~*^i

Ü^æ } ÁÚ] æ~•c

Œ } á: ^ , ÁP^ } i^



G€ĚGF

GFĚGGĚÍ

ŌŠĚYŶÁŌiæ~Láá!~Lá•cá--Lá• { æ||ÉÁcæ } Á•æ } á^iÁ&|æ^Á] [& \ ^c•Á] !^•^ } cĚ

€HÍÍH

RSÜÉJ

GEFÍ€J€Í

€HÎÎIH

RSÛÊÎF

€HÎÎIH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá* æcá [} ÁÉÁÚ@æ•^ÁQ

RSÙÊÎF

ÔÚÙÀÒ}^! * ^

GEF ÎÊJÊÈì

Ê(ÙÀÒ}^! * ^

RSÜÊÎG

€HÎÎIH

Õ: [~) äÄ Y æc^iÁQ } ç^•câ* æcá [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcá [] ÁÉÁÚæ } ÁCE } c [] ä [

ƆÈ Ô [[] äÈ FHÎÎÎ€€€FH ÒÈ Ô [[] äÈ GFÎÎFÍHÉÌÌ

RSÜÊÎG

ÔÚÚÀÒ } ^! * ^

HÎÊ€€

Í€ÍÊÍFÁ

GEFÍÊ€JÊÈ

ÌÊGÍÁÁ

ØcÉÁTÚŠ

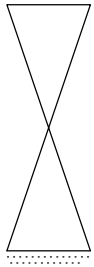
GÌÊJ€

Ùc|æcæÁÔ [! ^!Ú^!çä&^•ÉÁŠŠÔ

P [[[] [, ÈÚc^ { ÁCE ~ * ^! }

Û^æ } ÁÚ] æ ~ • c

œ } ä : ^ , ÁP^ } ! ^



€Í

€HÎÎÎH

Õ: [~) äÁ Y æc^iÁQ } ç^•cä* æcä [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^:æ•íÚ [, ^:íÁÚcæcä [] ÁÉÁÚæ } ÁCE) c [] ä [

RSÜÊÎH

ÔÚÚÀÒ } ^! * ^

GEF ÎÊ€JÊÈ

RSÜËÎH

€HÎÎÎH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá * æcá [} ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ÁCE) c [} á [

ÞÉÁÔ [[iáÈ FHÎÎÎGHÉÏÎÇ ÒÉÁÔ [[iáÈ GFÎÎÎÍHÉHÎÇ

RSÜËÎH

ÔÚÚÁÒ } ^i * ^

í €€€€

íGHÉÍÁÇ

GEFÍËJËËì

ìÈGÍÁÁ

ØÉÁTÚŠ

IIËÏ€ Á

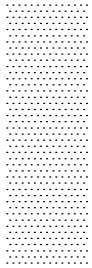
Úc|æcæÁÔ [!^ÁÚ^içá&^•ÉÁŠŠÔ

P [[[, ÈÚc^ { ÁCE ~ * ^ !

Á

Û^æ } ÁÚ] æ ~ • c

œ } á ! ^ , ÁP^ } ! ^



JKS-63R

0503422

JKS-63R

2019-05-02

Calaveras Power Station - Well Re-Install

CPS Energy

Calaveras Power Station

24.00'

8.61"

N. Coord. NA

E. Coord. NA

0.00'

Ft. MSL

36.00

SB Installation

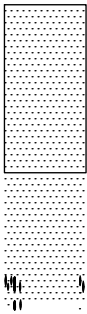
0.00

Vortex Drilling Partners, LP

James Neal

Hollow-Stem Auger

Nick Houtchens



0-3.5

SAND: Brown; dry to damp; very-fine grained; sub-angular; poorly sorted; loose; minor silt and trace clay content; no odor. Ground surface to 5 ft. bgs logged via post hole digger soil cuttings.

0503422		JKS-63R	2019-05-02
Calaveras Power Station - Well Re-Install		CPS Energy	
Calaveras Power Station		24.00 '	8.00 "
NA	NA	0.00 '	Ft. MSL

36.00 SB Installation 0.00

Vortex Drilling Partners, LP	James Neal
Hollow-Stem Auger	Nick Houtchens

JKS-63R

0503422

JKS-63R

2019-05-02

Calaveras Power Station - Well Re-Install

CPS Energy

Calaveras Power Station

24.00 '

8.00 "

N. Coord. NA

E. Coord. NA

0.00 '

Ft. MSL

36.00

SB Installation

0.00

Vortex Drilling Partners, LP

James Neal

Hollow-Stem Auger

Nick Houtchens

.....

STATE OF TEXAS WELL REPORT for Tracking #511515

Owner Well #: **JKS-63R**

Grid #: **68-46-5**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which
contained injurious constituents?:

RSÜËÎ I

€HÎÎÎH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá* æcá [] ÁÉÁÚ@æ•^ÁQ

Ôæ)æç^iæ•Á [] , ^iÁÚcæcá [] ÁÉÁÚæ)ÁCE}c [] á [

ÞÉÁÔ [] iáÈ FHÎÎÎÎGÎÉFIC ÒÉÁÔ [] iáÈ GFÎÎÎÎÉÏT

RSÜËÎ I

ÔÚÚÁÒ) ^i* ^

HGÈ€€€

í€íÈHìÁc

G€FÍÈ€JÈ€J

ìÈGíÁÁ

ØcÉÁTÚŠ

GíÈ€í Á

Ùc)æcæÁÔ [] i^ÁÚ^içá&^ÉÁŠŠÔ

P [] [] , ÈÚc^ { ÁCE~*^i

Á

Ü^æ)ÁÚ]æ~•c

œ}á: ^ , ÁP^}i^



€Éí

ÞUÁÜÒÔUXÒÜÿKÁÚi^çá [] ~•i^Á^ç&æçæc^áá , æc@Á@~á: [çæ&Áci~& \È

€HÍÍÍH

RSÜÊÍI

G€FÍÊ€JÊ€J

Õ: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

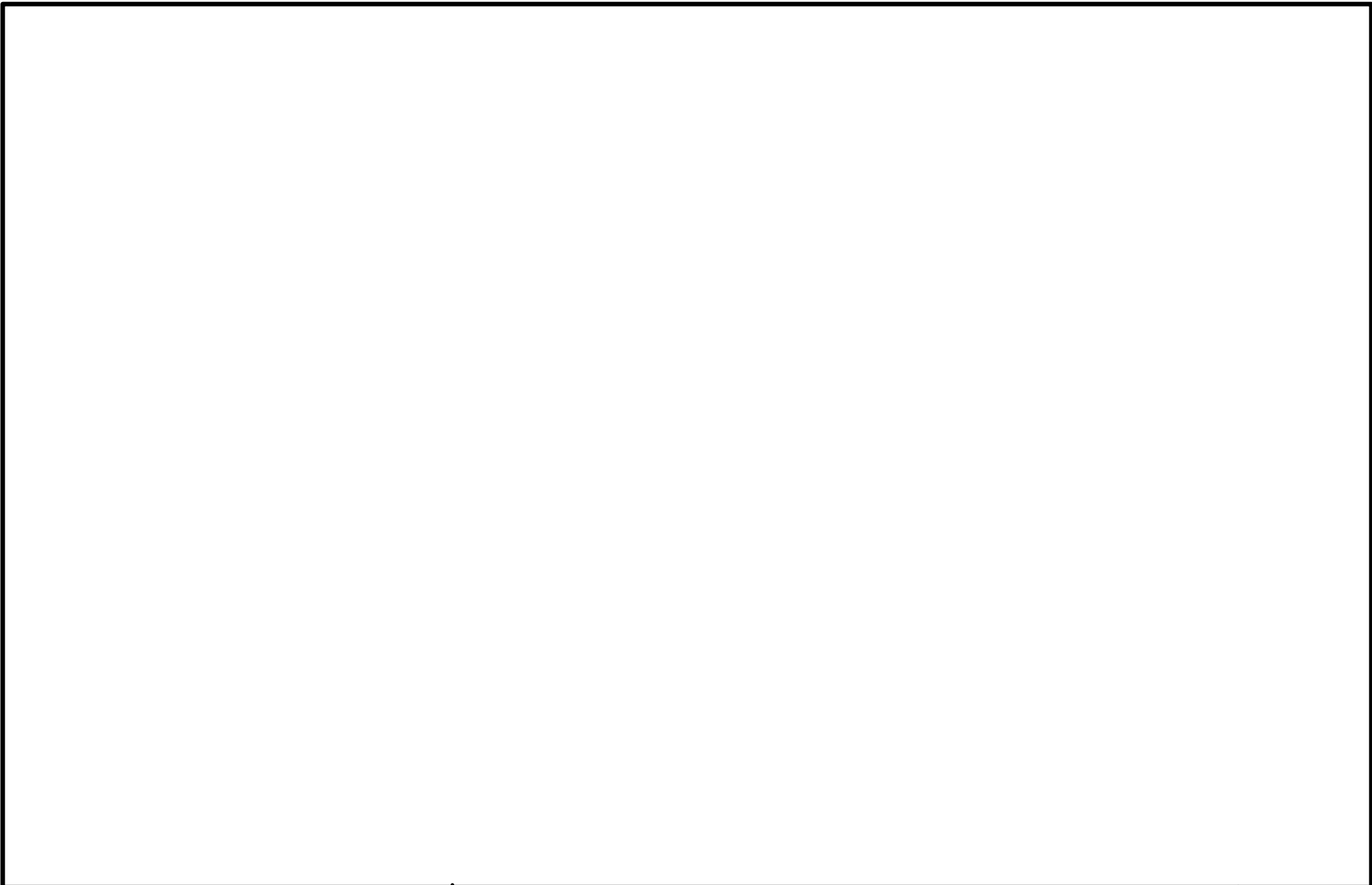
ÔÚÚÀÒ}^! * ^

Ôæ|æç^:æ•Á [[, ^!ÁÚcæcá [} ÁÉÁÚæ}ÁCE}c [} ä [

GGì GÍÚCEPÖKÁÕ:æ^Á , äc@Áà|~ä•@Á*!æ^Áæ}áÁ[!æ}*^ Á-ä}^ *!æä}^ LÁ|[[•^ CEcÁGHì CÍä*•KÁÓ|~ä•@Á*!æ^ÉÁ|[, Á]|æ•cá&äc^Á&|æ^ÁÇFBGÁc@ä&\DLÁ•æ}áÁ&[|

5DD9B8=L`8` ; FCIB8K5H9F`:@CK`8=F97H=CB`A5DG`

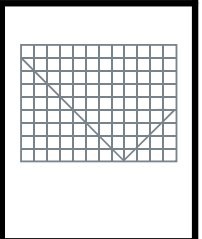
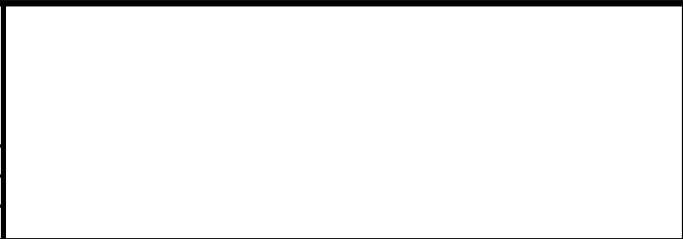
BOTTOM ASH PONDS

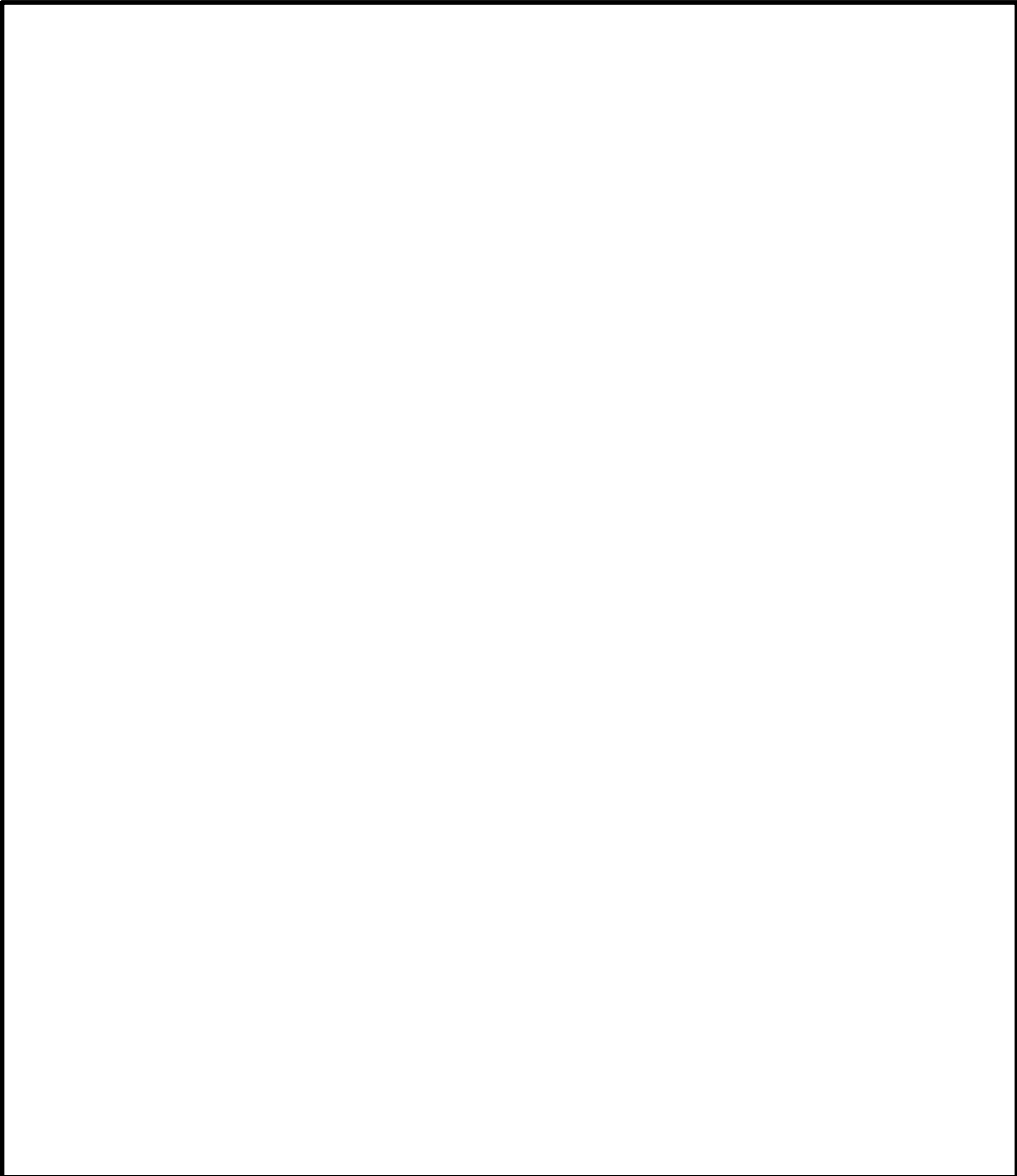


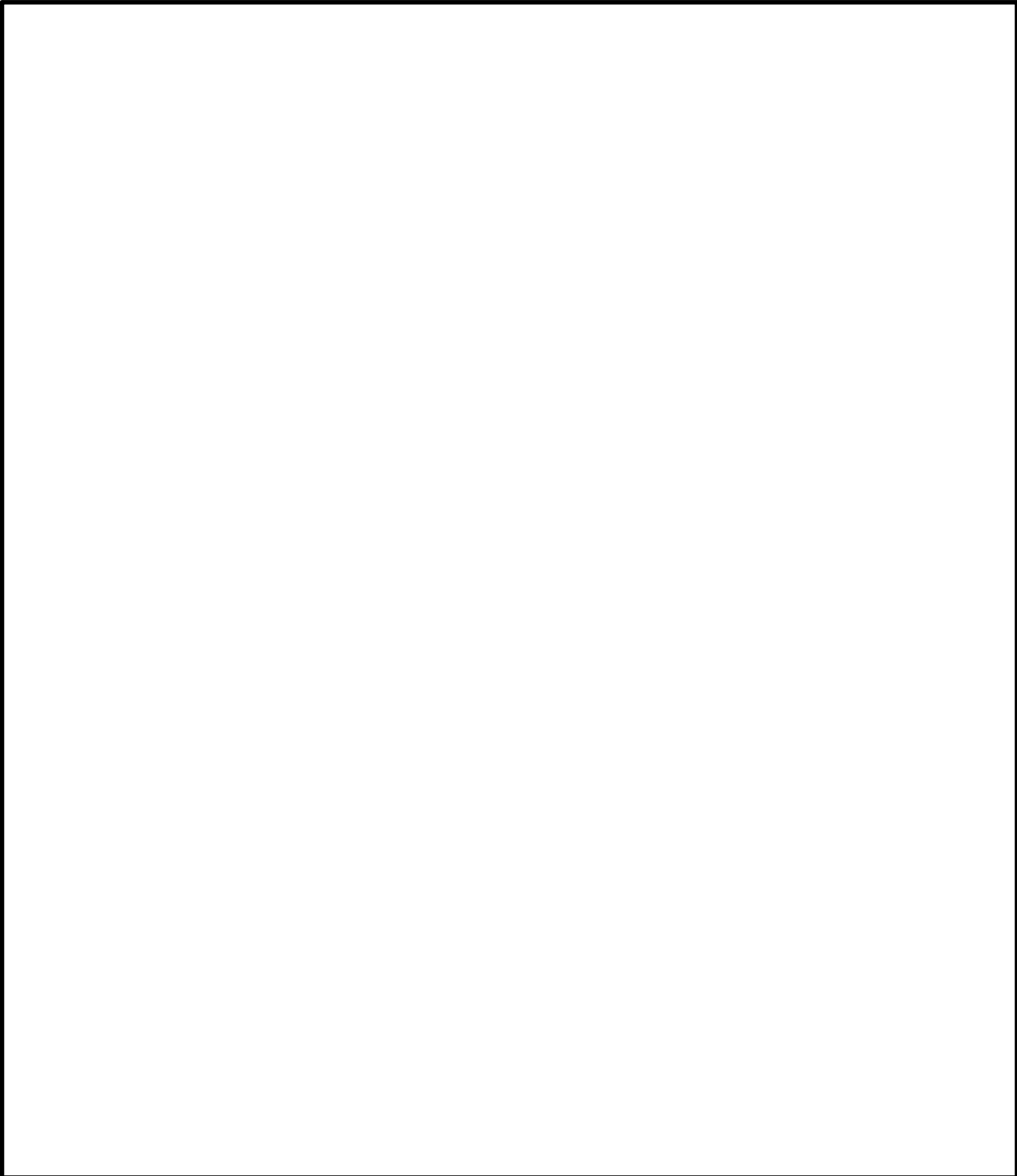
DESIGN:	DRAWN:			
DATE:				

EVAPORATION POND

DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:



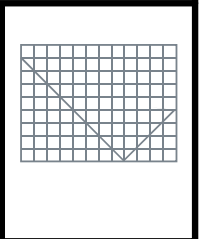




FLY ASH LANDFILL

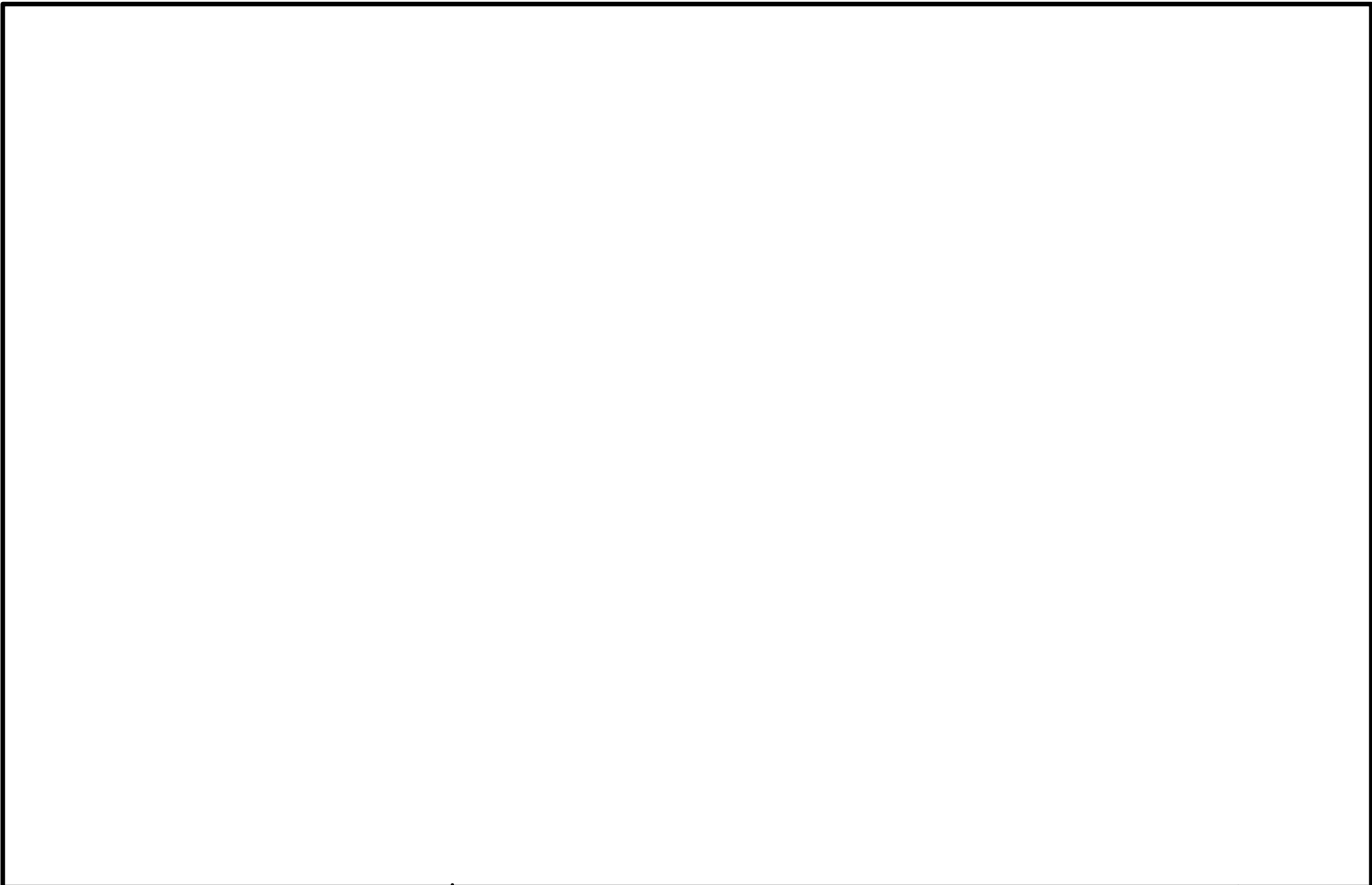
DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:

--



SRH POND

|



DESIGN:	DRAWN:			
DATE:				

5DD9B8=L'9' 7CBGH=HI 9BH'7CB79BHF5H=CBG'G I AA5FM'H56@9G'

VCEÖŠÒÌH

Ö: [~ } á , æc^!ÁCE) æ| ^c&æ|ÁÜ^• ~ |c•ÁÜ~ { { æ!^

VCEÖŠÖIH
Ö: [~ } á , æc^!ÁCE} æ| ^cá&æ|ÁÜ^•~ |c•ÁÜ~ { { æ!^
ÖÚÁíÖ}^!+ ^!ÉíÖfi!

VCEÖŠÖIH

Ö: [~ } á , æc^! ACE) æ| ^ cã&æ| ÁÜ^• ~ |c•ÁÜ~ { { æ! ^
ÖÚÚÁÖ} ^! + ^! É! Öæ| æç^! æ•ÁÜ [, ^! ÁÜcæã [}
Ó [cc [{ ACE•@ÁÜ [} á•

VCEÓŠÒÁH
Ō! [~ } á , æc^!ÁE}æ!~cá&æ!Ü^•~!c•ÁÚ~ { { æ!~
ÓÚÚÁÒ) ^! * ^!ÈÁŌæ!æç^!æ•ÁÚ [, ^!ÁÚcæcá [}
Óçæ [!:æcá [)ÁÚ [] á

%&#, #%* &#&, #%+ ' #&- #%+)# ' #%+ *#&%#%+ ++&*#%+ , # '\$#%+ %\$#%#%#%+ (#)#%, %\$#' \$#%, (#\$#%- %\$#&' #%- (#&- #&\$

7cbg]h i Yb]g I b]h
5ddYbX]I' ==:' 8YhYWh]cb' Acb]hcf]b [{ *BŠ

€ÈIGIÀ €ÈIHÀ æ& { ... *DÁ ... GT ...



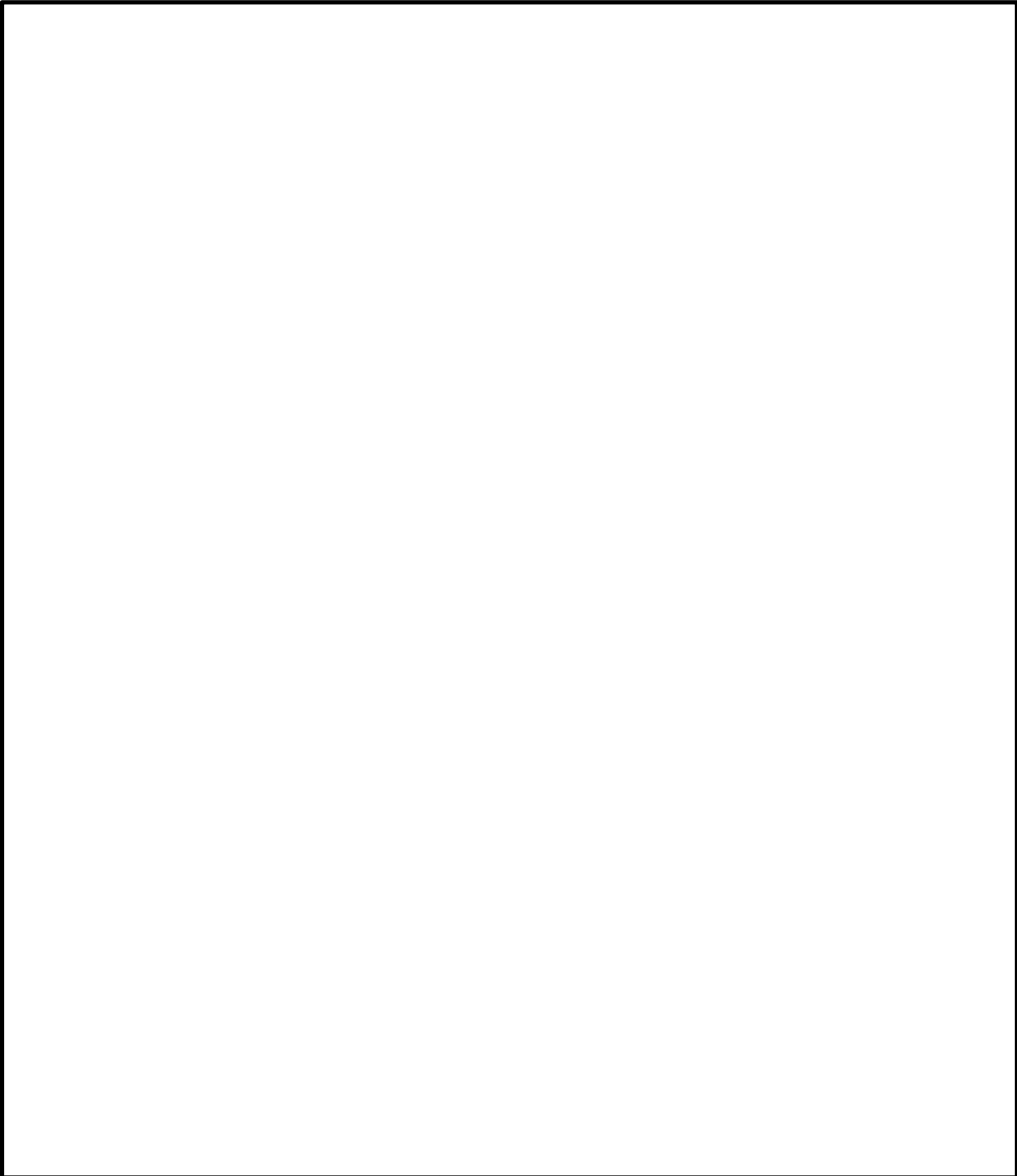
EXCERPTS FROM LOCATION RESTRICTIONS DEMONSTRATION DATED OCTOBER 2018

..

2.1 ***SITE DESCRIPTION***

u CPS Energy u

The groun



YEUÞUË		



October 17, 2016

Mr. Michael Malone
CPS Energy

9FA`Ug`c jYf`%*\$`cZZ]WYg`UWfcgg`h\Y`Zc``ck]b[``
Wc i bhf]Yg`UbX`hYff]

impoundments will not be available for retrofit until all closure activities are complete. In addition, the location of the North Bottom Ash Pond does

049676767201(S)(9)(6)3.1230000 -12.3qu(ni)3.













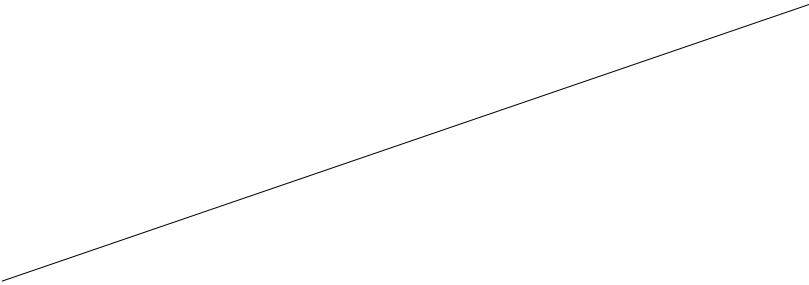
Exhibit 3.11– Plant Drains Pond Site Plan







∴; IF9G'



NORTH BOTTOM
ASH POND



5DD9B8=L'5' CKB9F'79FH::=75H=CB'C:'7CAD@=5B79'

5DD9B8=L'6' ; FC I B8 K 5H9F'ACB=HCF=B ; 'K9@@@C75H=CBG'A5D'

5DD9B8-L

0337367	JKS-45	2016-04-04
Groundwater Investigation	CPS Energy	
Calaveras Power Station - San Antonio	62.00 '	8.25 "
13667132.78'	2186615.40'	528.31 '

47.19 2016-05-31

Strata Core Services, LLC	Joseph Ray
Hollow-Stb A geC	

0337367

Groundwater Investigation

JKS-45

CPS Energy

2016-04-04

0337367

JKS-46

2016-04-05

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

30.00 '

8.25 "

13667810.11'

2187972.31'

495.75 '

19.38

2016-05-31

Strata Core Servi

JKS-46

0337367	JKS-46	2016-04-05
Groundwater Investigation	CPS Energy	
Calaveras Power Station - San Antonio	30.00 '	8.25 "
N. Coord. 13667810.11' E. Coord. 2187972.31'	495.75 '	Ft. MSL

19.38 2016-05-31

Strata Core Services, LLC
Hollow-Stem Auger

Joseph Ray
Nick Houtchens

0337367

JKS-47

2016-04-05

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

JKS-47

0337367

JKS-47

2016-04-05

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

48.00 '

8.25 "

N. Coord. 13665709.79' E. Coord. 2186503.87'

510.28 '

Ft. MSL

31.37

2016-05-31

Strata Core Services, LLC

Joseph Ray

Hollow-Stem Auger

Nick Houtchens

0337367

JKS-48

2016-04-06

Groundwater Investigation

0337367

Groundwater Investigation

F-04-06

JKS-48

CPS Energy

2016-04-06

n

B

†

n

†

JKS-49

0337367

JKS-49

2016-04-06

Groundwater Investigation

CPS Energy

Calaveras Power Station - San Antonio

19.00'

8.25"

N. Coord. 13660519.40' E. Coord. 2186229.15'

495.17'

Ft. MSL

9.32

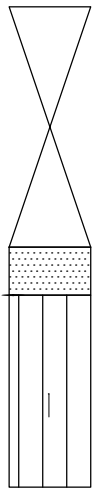
2016-05-31

Strata Core Services, LLC

Joseph Ray

Hollow-Stem Auger

Nick Houtchens



0-5 NO RECOVERY: Previously excavated by hydrovac truck.

5-6 SAND: Greyish tan; very moist; fine-grained; sub-angular; moderately sorted; loose; non-plastic; orange silt stringers.

6-10 SILT: Greyish tan; very moist; loose; non-plastic; minor fine-grained

0337367

JKS-50

2016-04-06

€HÎÎÎH

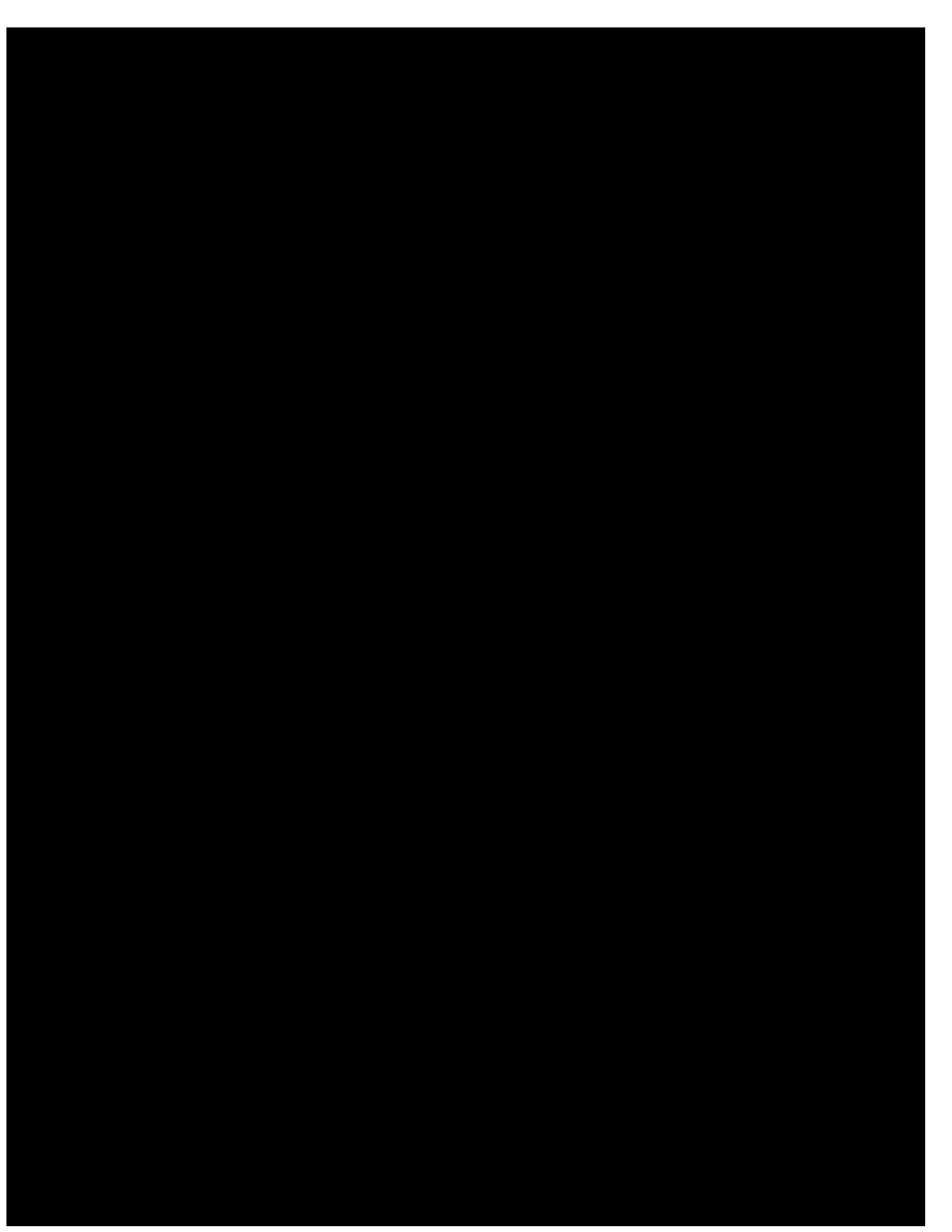
Ö! [~ } äÄ Y æc^!ÄQ } ç^* cä [} ÄÉÄÜ@æ•^ÄQ

Ôæ|æç^!æ•ÄÜ [, ^!ÄÜcæcä [} ÄÉÄÜæ } ÄCE } c [} ä [

RSÜÉí€Ü

ÔÜÜÄÖ}^! * ^

GEFÍÈFÈÈÈÌ



€HÍÍÍH

Õ: [~ } áÁ Y æc^iÁQ } ç^•cá* æcá [} ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [} á [

FHÍÍJÎÌHÉGÎÇ

RSÙÉÍG

ÔÚÚÁÒ } ^! * ^

GEFÍÈ€JÈ€F

€HÍÍH

RSÚÉÍG

€HÍÍÍH

RSÜÉÍH

G€FÍ€€J€€G

Ö: [~ } á Á Y æ c ^ ! á Q } ç ^ • c ä * æ c ä [} Á É Á Ú @ æ • ^ ^ ! Ú

œ á í ó à * • k á ú [& \ ^ c • á [- á [! æ) * ^ á & [[! ^ á í • æ) á è

Á Ú œ Þ Ö Ÿ Á Ú ö Š V Ÿ Á Ô Š œ Ÿ K Á V æ } Á c [Á ! ^ á ä ä • @ Á * ! æ ~ L Á , ^ c L Á [[, Á] | æ • c ä & ä c ~ L Á } [Á [á [! è

í È Ì í

RSÜËÍ I

€HÍÍÍH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [} á [

ÞÉÁÔ [[iãÈ FHÍÍJÍÍHÉHIC ÒÉÁÔ [[iãÈ GFÍÍÍIFÉJÎC

RSÜËÍ I

ÔÚÚÀÒ } ^i*^

GËÉÍ€

IJGÉÍJÁ

G€FÍ€J€G

ÌEGÍÁÁ

ØcÉÁTÚŠ

F€ÉÍJ Á

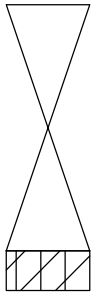
Ùc|æcáÁÔ [i^ÁÚ^içá&^•ÉÁŠŠÔ

P [[[, ÈÚc^ { ÁCE~*^i

Á

Ü^æ}ÁÚ]æ~•c

œ}á: ^ , ÁP^ } i^



Ô

Ô

Ô

€ÉÍ

ÞUÁÜÒÔUXÒÜÿKÁÚi^çá [~ •|^Á^c&æçæc^ááá^Á@~á: [çæ&ácti~&VÈ

ÍÉÍÈÌ

ÔŠs ÔŠcEYÖYÁÚŠVÁU:|æ } *á•@Áá: [,) Á , á@Ái^ÁLáæ {]LÚçp•^LÁ } [

TÔŠD

h t

h t

RSÜÉÍ Í

€HÍÍÍIH

Ö: [~) áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Óæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ÁCE } c [} á [

ÞÉÁÔ [[iáÈ FHÍÍJÍIJÉÍÏ ØÉÁÔ [[iáÈ GFÍÍÍI€ÉÍÏ

RSÜÉÍ Í

ÔÚÚÀÒ } ^i*^

GÍÉ€€

IJ€ÉFHÁ

GEFÍ€€J€ÉÍ

ÌEGÍÁÁ

ØÉÁTÚŠ

ÌÈHÍ Á

Ùc|æcáÔ [i^ÁÚ^içá&^•ÉÁŠŠÔ

P [[[, ÈÚc^ { ÁCE~*^i

Á

Ü^æ}ÁÚ]æ~•c

œ}á: ^ , ÁP^}i^



€ÉÍ

ÞUÁÜÒØUXÒÙYKÁÚi^çá [~ •|^Á^ç&æçæc^áá^Á@~á: [çæ&Áci~& \È



€HÎÎIH

Õ! [~) äÁ Y æc^!ÁQ } ç^•câ* æcâ [] ÁÉÁÚ@æ•^^!X

RSÙÉÍÎ

GEFÎÉ€JÉ€Î

€HÍÍIH

Ö: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

RSÜÉÍ

G€FÍ€€J€Í

€HÍÍÍH

Ö: [~) äÁ Y æc^!ÁQ } ç^•cä*æcä [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcä [] ÁÉÁÚæ)ÁCE)ç [] ä [

RSÜÉÍ Ì

ÔÚÚÀÒ) ^! * ^

GEFÍÈ€JÈÈÌ

€111H

€HÎÎÎH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá* æcá [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcá [] ÁÉÁÚæ } ÁCE } c [] } á [

FHÎÎÎ€G€FH:

GFÎÍFÍHÉÌÌ

RSÙÉÍG

ÔÚÚÀÒ } ^! * ^

HÎÉ€€

Í€ÍÉÍFÁ

G€FÍÉ€JÉÈÌ

ÌÈGÍÁÁ

GÌÈJ€

Ùc|æcæÁÔ [!^!Ú^!çá&^•ÉŠŠÔ

€HÍÍÍH

Õ: [~ } áÁ Y æc^iÁQ } ç^•cá*æcá [} ÁÉÁÚ@æ•^ÁQ

Óæ|æç^iæ•ÁÚ [, ^iÁÚcæcá [} ÁÉÁÚæ } ACE } c [} á [

FHÍÍÍGHÉÈÍÍ

GFÍÍÍÍHÉHÍ

RSÜÉÍH

ÔÚÚÀÒ } ^i*^

GEFÍÈ€JÈÈ

€HÍÍIH

Õ: [~) áÁ Y æc^iÁQ } ç^•cá* æcá [] ÁÉÁÚ@æ•^ÁQ

Ôæ|æç^!æ•ÁÚ [, ^!ÁÚcæcá [] ÁÉÁÚæ } ÁÉ) c [] á [

FHÍÍGHÉÍÎÇ

GFÍÍÍHÉHÎÇ

RSÜÊIH

ÔÚÚÀÒ } ^! * ^

í€€€€

íGHÉÍÍÁÇ

GEFÍÊ€JÊÈÌ

ÌÈGÍÁÁ

IIÊË€ Á

Á

Ùc|æcæÁÔ [! ^!Ú^!çá&^•ÉÁŠŠÔ

Ü^æ } ÁÚ] æ~•c

P [[[, ÈÚc^ { ÁÉ~*^! }

€HÎÎÎH

Õ: [~ } áÁ Y æc^!ÁQ } ç^•cá* æcá [} ÁÉÁÚ@æ•^ÁQ

RSÙÈÎH

ÔÚÚÀÒ}^! * ^

GEF ÎÈEJÈÈ

JKS-63R

0503422

JKS-63R

2019-05-02

Calaveras Power Station - Well Re-Install

CPS Energy

Calaveras Power Station

24.00 '

8.61 "

N. Coord. NA

E. Coord. NA

0.00 '

Ft. MSL

36.00

SB Installation

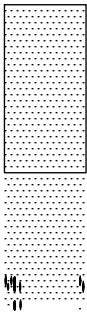
0.00

Vortex Drilling Partners, LP

James Neal

Hollow-Stem Auger

Nick Houtchens



0-3.5

SAND: Brown; dry to damp; very-fine grained; sub-angular; poorly sorted; loose; minor silt and trace clay content; no odor. Ground surface to 5 ft. bgs logged via post hole digger soil cuttings.

0503422		JKS-63R	2019-05-02
Calaveras Power Station - Well Re-Install		CPS Energy	
Calaveras Power Station		24.00 '	8.00 "
NA	NA	0.00 '	Ft. MSL

36.00	SB Installation	0.00
-------	-----------------	------

Vortex Drilling Partners, LP	James Neal
Hollow-Stem Auger	Nick Houtchens

JKS-63R

0503422

JKS-63R

2019-05-02

Calaveras Power Station - Well Re-Install

CPS Energy

Calaveras Power Station

24.00 '

8.00 "

N. Coord. NA

E. Coord. NA

0.00 '

Ft. MSL

36.00

SB Installation

0.00

Vortex Drilling Partners, LP

James Neal

Hollow-Stem Auger

Nick Houtchens

.....

STATE OF TEXAS WELL REPORT for Tracking #511515

Owner Well #: **JKS-63R**

Grid #: **68-46-5**

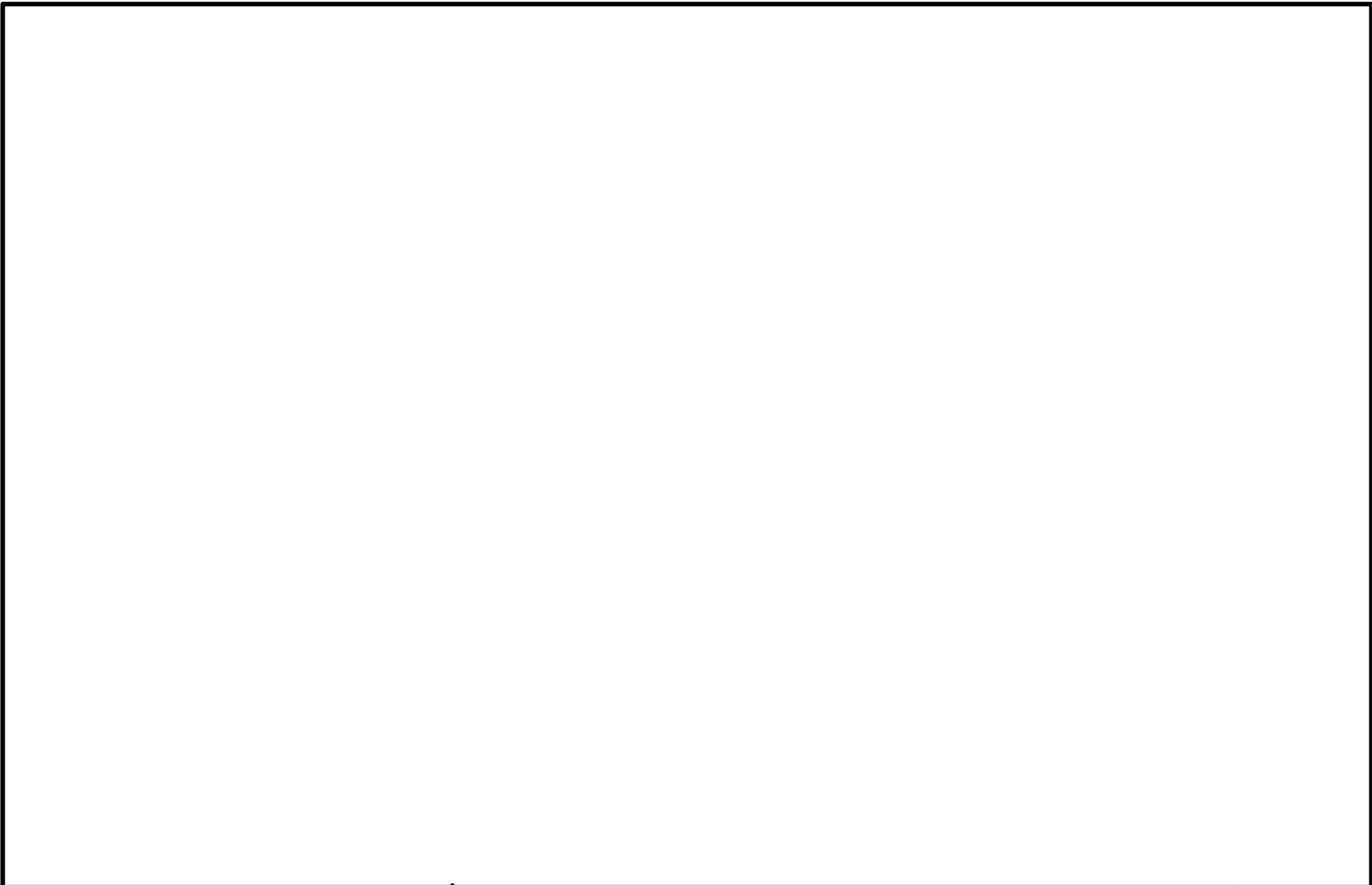
Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which
contained injurious constituents?:

€H11H

5DD9B8=L`8` ; FCIB8K5H9F`:@CK`8=F97H=CB`A5DG`

BOTTOM ASH PONDS



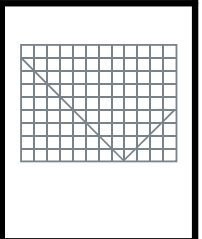
DESIGN:	DRAWN:			
DATE:				

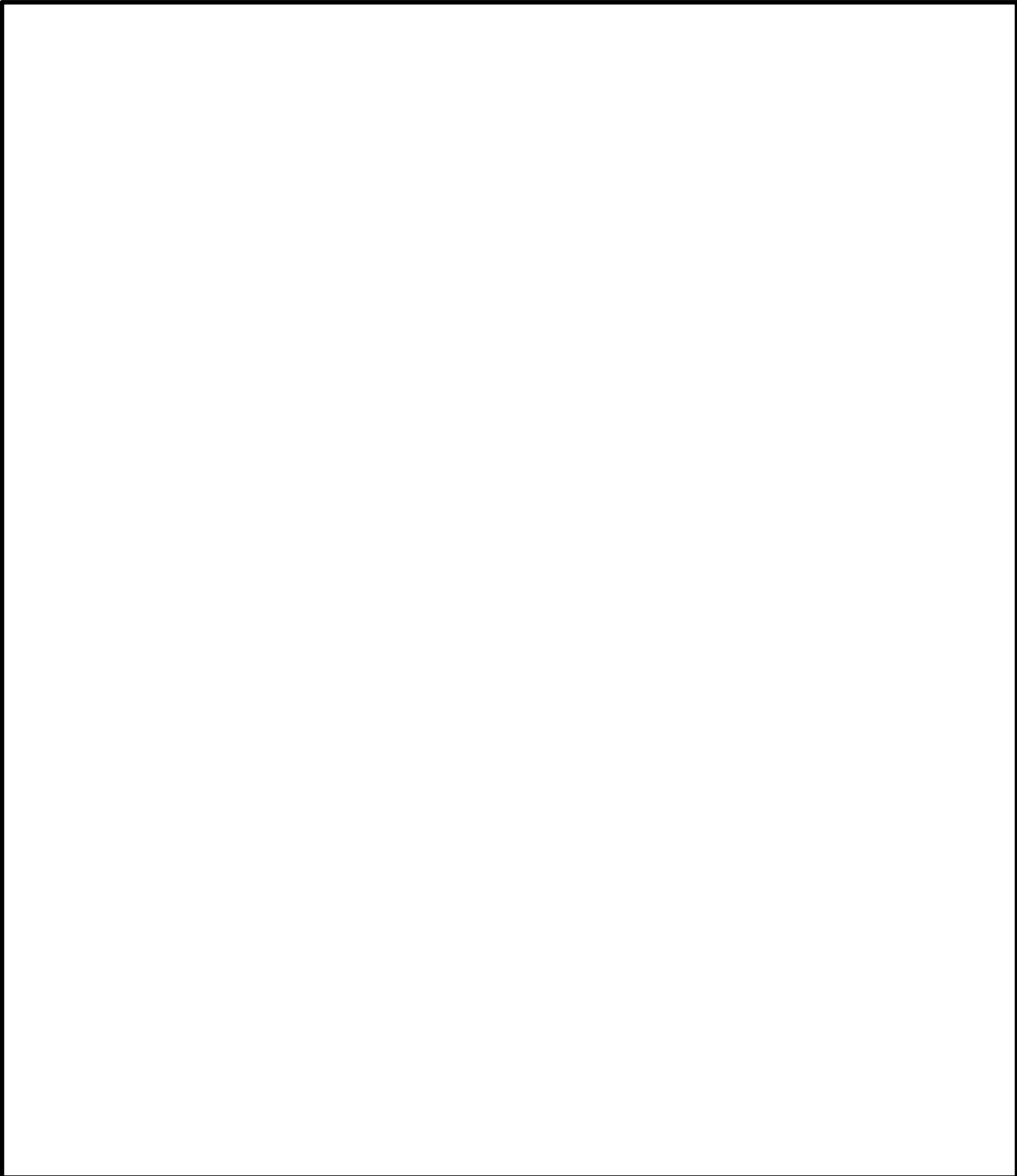
--	--	--	--

EVAPORATION POND

DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:

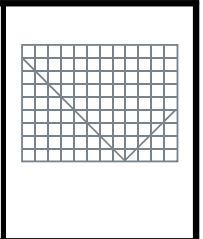
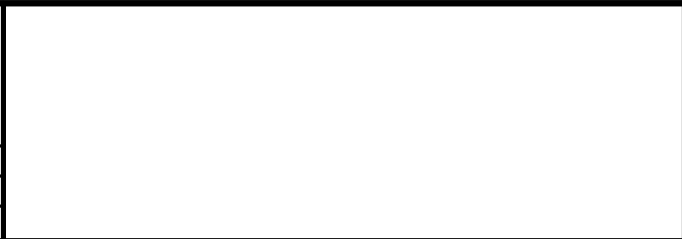
--





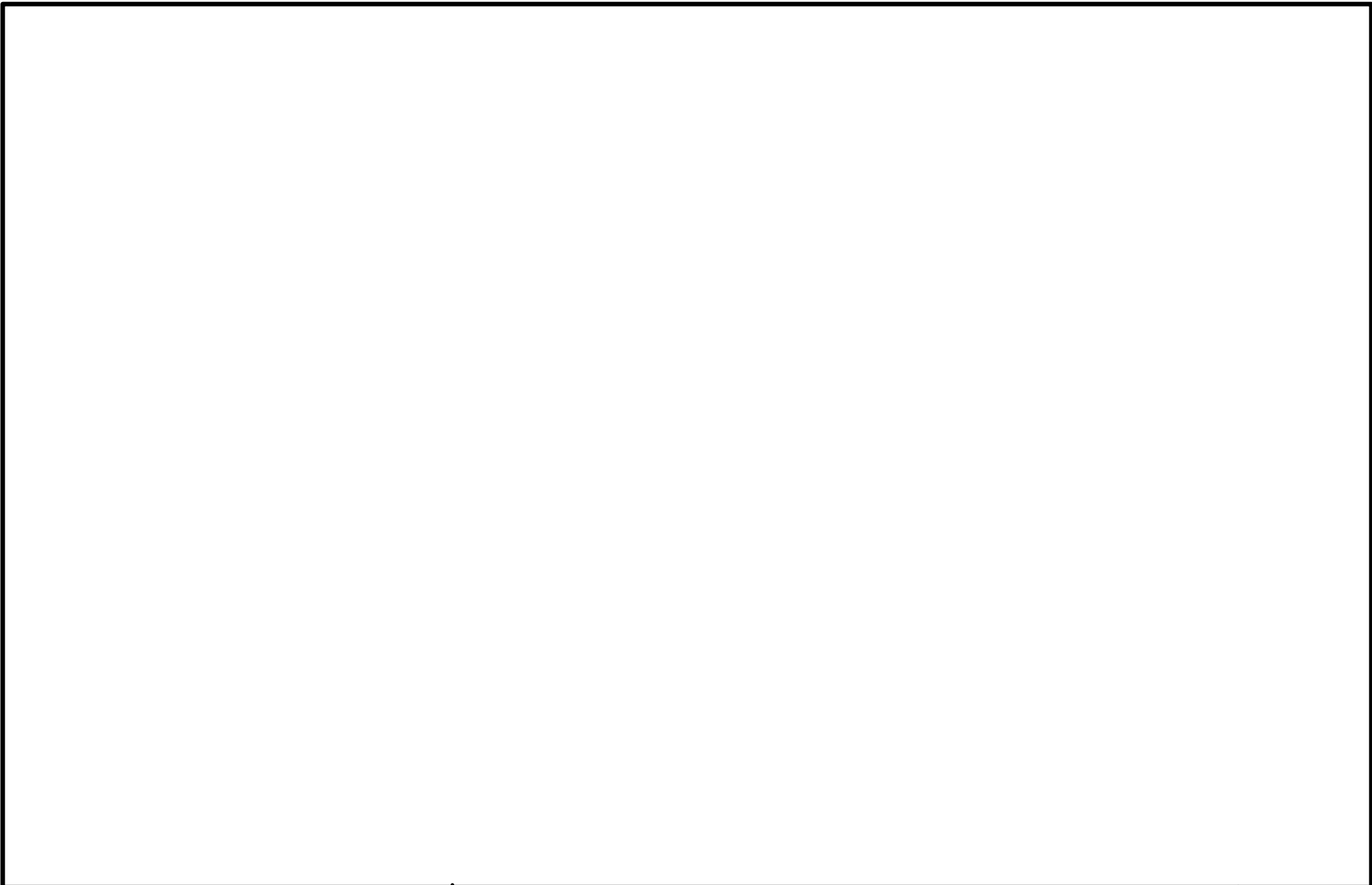
FLY ASH LANDFILL

DESIGN:	DRAWN:	CHKD.:
DATE:	SCALE:	REVISION:



SRH POND

|



DESIGN:	DRAWN:			
DATE:				

5DD9B8=L'9' 7CBGH=HI 9BH'7CB79BHF5H=CBG'G I AA5FM'H56@9G'

VCEÖŠÒIH

Ö: [~ } á , æc^!ÁCE) æ| ^c&æ|ÁÜ^•~ |c•ÁÜ~ { { æ!^

VCEÖŠÖIH

Ö: [~ } á , æc^!ÁCE} æ| ^c&æ|ÁÜ^•~ |c•ÁÜ~ { { æ!^

ÖÚÁíÖ}^!+^!ÉíÖfi!

VCEÖŠÖIH

Ö: [~ } á , æc^! ACE) æ| ^ cš&æ| ÁÜ^• ~ |c• ÁÜ~ { { æ! ^
ÖÚÚÁÖ} ^! + ^! É! Öæ| æç^! æ• ÁÜ [, ^! ÁÜcæš [}
Ó [cc [{ ACE• @ÁÜ [} á•

VCEÓŠÒÁH
Ō! [~ } á , æc^!ÁE}æ!~cá&æ!Ü^•~!c•ÁÚ~ { { æ!~
ÓÚÚÁÒ) ^! * ^!ÈÁŌæ!æç^!æ•ÁÚ [, ^!ÁÚcæcá [}
Óçæ [!:æcá [)ÁÚ [] á

%&#, #%* &#&, #%+ ' #&- #%+)# ' #%+ *#&%#%+ ++&*#%+ , # '\$#%+ %\$#%#%#%+ (#)#%, %\$#' \$#%, (#\$#%- %\$#&' #%- (#&- #&\$

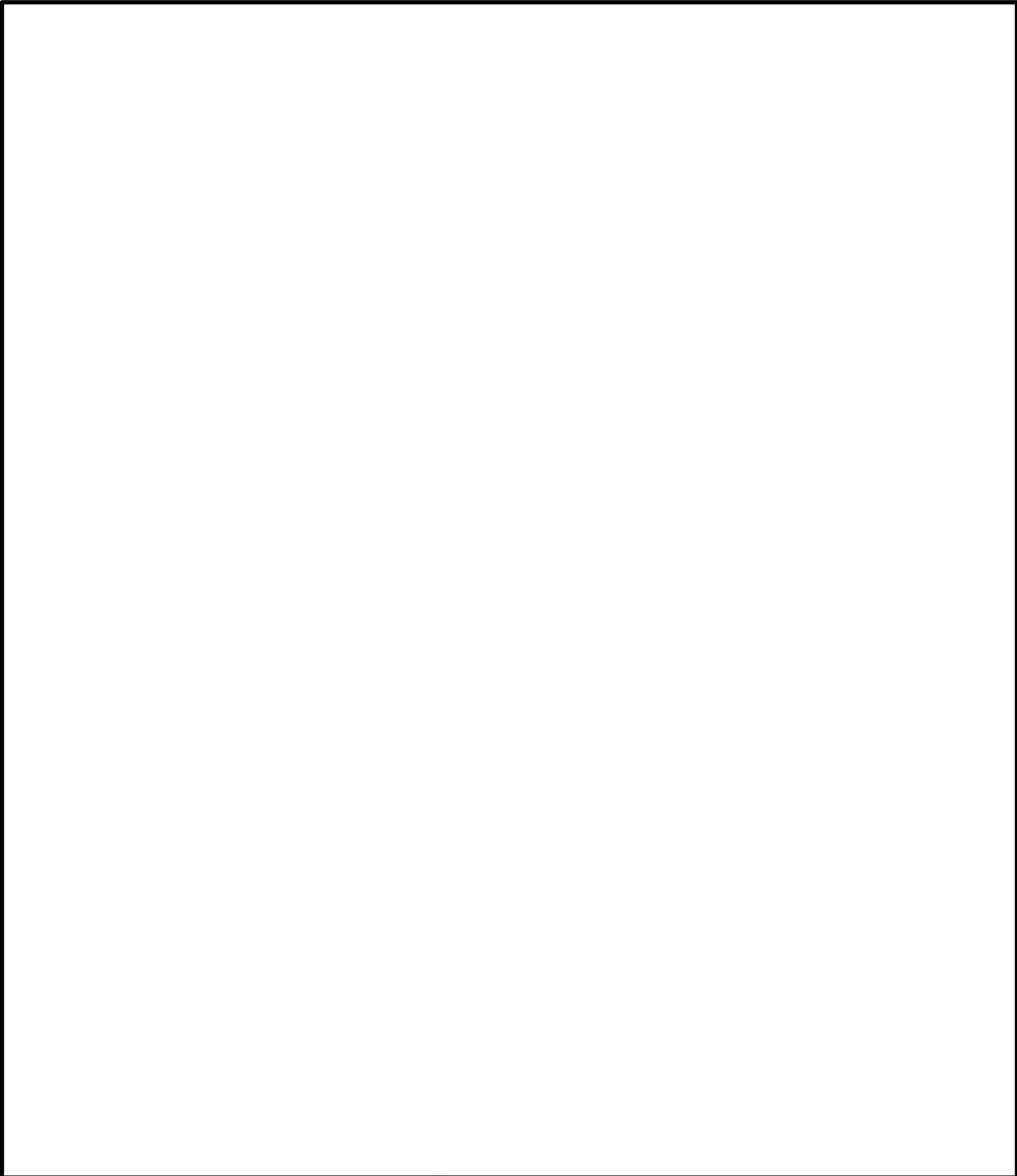
7cbg]h i Yb]g l b]h
5ddYbX]I' ==:' 8YhYWh]cb' Acb]hcf]b [{ *BŠ

€ÈIGIÀ €ÈIHÀ æ& { ... *DÁ ... GT ...



EXCERPTS FROM LOCATION RESTRICTIONS DEMONSTRATION DATED OCTOBER 2018

The groundwater-bearing unit in the vicinity of the Northern CCR Units appears to exhibit unconfined conditions based on the potentiometric function



YEUÞUÐ		



9FA`Ug`c jYf`%*\$`cZZ]WYg`UWfcgg`h\Y`Zc``ck]b[``
Wc i bhf]Yg`UbX`hYff]

