PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible]
[illegible] UT 84542
FACILITY
LOCATION
[illegible] MR. CANCY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 — PERMIT NUMBER
(17-19) 006 A — DISCHARGE NUMBER
MINOR
F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	10	01	TO	93	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	QUALITY OR CONCENTRATION (4 Card Only) MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible]ETARY WASTE DISCHARGED-ASSESSMNT [illegible]14 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*****		ONCE/ MONTH	VISUAL
[illegible] TOTAL DISSOLVED [illegible] 0 0 [illegible] COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO DISCHARGE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Charlie F. Vaughn, Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	637-0350	93	10	28

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS P.O. BOX 76
[illegible] ELMONTON UT 84542

FACILITY
LOCATION
[illegible] MR. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-[illegible]) UT0040010 — PERMIT NUMBER

(17-19) 006 A — DISCHARGE NUMBER

MINOR

F - FINAL

RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	11	01	TO	93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible] RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	*** ****		ONCE/MONTH	MEASRD
	SAMPLE MEASUREMENT	******	******			******		(12)			
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		THICE/MONTH	GRAB
[illegible] TOTAL SUSPENDED [illegible] P 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	*** ****	******	25 30DA AVG	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] SETTLEABLE [illegible] 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******		(25)			
	PERMIT REQUIREMENT	******	******	*** ****	******	******	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
[illegible] GREASE [illegible] EXTR-GRAV METH [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*** ****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] TOTAL (AS FE) [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*** ****	******	******	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] SETTLING SOLIDS OR VISIBLE FOAM-VISUAL [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charlie F. Vaughn
Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	6370350	93	11	29

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible] IS LIMITED TO ONE TON, PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] LL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] 265
[illegible] ARLINGTON UT 84542
FACILITY
LOCATION
[illegible] CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 — PERMIT NUMBER
(17-19) 005 A — DISCHARGE NUMBER

MINOR
F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	11	01	TO	93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	QUALITY OR CONCENTRATION (4 Card Only) MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible] WASTE DISCHARGED-ASSESSMNT 014 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/ MONTH	VISUAL
[illegible] TOTAL DISSOLVED 2[illegible] 4 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

No Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Charlie F. Vaughn Pres.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Cindy Manzanares	801 637 0350	93	11	29
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

TSS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS WILL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] BOX 755
[illegible] WELLINGTON UT 84542
FACILITY
LOCATION
[illegible] MR. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 — PERMIT NUMBER
(17-19) 006 A — DISCHARGE NUMBER

MINOR
F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	01	TO	93	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible] RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	*** ****		ONCE/ MONTH	MEASRD
	SAMPLE MEASUREMENT	******	******			******		(12)			
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		ONCE/ MONTH	GRAB
[illegible] TOTAL [illegible] P 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	*** ****	******	25 30DA AVG	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
[illegible] SETTLEABLE [illegible] 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******		(25)			
	PERMIT REQUIREMENT	******	******	*** ****	******	******	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
[illegible] AND GREASE [illegible] EXTR-GRAV METH [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*** ****	******	******	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
[illegible] TOTAL (AS FE) [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*** ****	******	******	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
[illegible] SETTLING SOLIDS OR [illegible] FOAM-VISUAL [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/ MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Charlie F. Vaughn Pres.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Candy Manzanares	801637035	93	12	11
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS P.O. BOX 203
[illegible] UT 84542
FACILITY
LOCATION
[illegible] MR. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-[illegible]) UTG040010 PERMIT NUMBER

(17-19) 006 A DISCHARGE NUMBER

MINOR

F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	01	TO	93	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible]TARY WASTE [illegible]CHARGED-ASSESSMNT [illegible]14 1 0 0 [illegible]ENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*****		ONCE/MONTH	VISUAL
[illegible] TOTAL [illegible]SOLVED [illegible]05 0 0 0 [illegible] COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

No Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charlie F. Vaughn
Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	6370350	93	12	11
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

TSS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME [redacted]S (Include Facility Name/Lo[redacted]ferent)
NAME [redacted] COAL CLEANING PLANT
ADDRESS P. O. BOX 2[redacted]
[redacted]ELLINGTON UT 84542
FACILITY
LOCATION
[redacted] Mr. CANDY MANZANARES

NATIONAL POLLUTA[redacted]ARGE ELIMINATION SYSTEM (NPDES)
DISCHAR[redacted]TORING REPORT (DMR)

(2-1[redacted] | (17-19)
UT 040010 — PERMIT NUMBER
007 A — DISCHARGE NUMBER

MINOR
F - FINAL
RUNOFF FROM [redacted]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	10	01	TO	93	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***
NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[redacted] RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
[redacted] 1 0 0 [redacted]LUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	****** **** ****			ONCE/ MONTH	MEASRD
	SAMPLE MEASUREMENT	******	******			******		(12)			
[redacted] 1 0 0 [redacted]LUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		6.5 DAILY MN	******	9.0 DAILY MX	SU		ONCE/ MONTH	GRAB
[redacted] TOTAL [redacted]PENDED [redacted] P 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	****** **** ****		******	25 30DA AVG	70 DAILY MX	MG/L		ONCE/ MONTH	GRAB
[redacted] SETTLEABLE [redacted] 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******		(25)			
	PERMIT REQUIREMENT	******	****** **** ****		******	******	0.5 DAILY MX	ML/L		ONCE/ MONTH	GRAB
[redacted] AND GREASE [redacted] EXTR-GRAV METH [redacted] 1 0 0 [redacted]LUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	****** **** ****		******	******	10 DAILY MX	MG/L		ONCE/ MONTH	GRAB
[redacted] TOTAL (AS FE) [redacted] 1 0 0 [redacted]LUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	****** **** ****		******	******	2.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
[redacted]ATING SOLIDS OR [redacted]IBLE FOAM-VISUAL [redacted] 1 0 0 [redacted]LUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	G DAILY MX	YES=1 NO=0	******	******	****** **** ****			ONCE/ MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
Charles F. Vaughn Pres.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	Candy Manzanares — SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	801 6370350	93	10	28
TYPED OR PRINTED		AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

[redacted] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [redacted]LL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] BOX 7[illegible]
[illegible] WELLINGTON UT 84542
FACILITY
LOCATION
ATTN: DR. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 — PERMIT NUMBER
(17-19) 007 A — DISCHARGE NUMBER

MINOR
F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	10	01	TO	95	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible]ITARY WASTE [illegible]CHARGED-ASSESSMNT [illegible]14 1 0 0 [illegible]ENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	**** ****		ONCE/ MONTH	VISUAL
[illegible] TOTAL [illegible]SOLVED [illegible]95 0 0 0 [illegible] COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Charlie F. Vaughn Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	6370350	93	10	28

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] LL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] BOX 765
[illegible] WELLINGTON WV 24542

FACILITY
LOCATION
[illegible] SANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040010 — PERMIT NUMBER
(17-19) 007 A — DISCHARGE NUMBER

MINOR

F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	11	01	TO	93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible] RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	*****		ONCE/MONTH	MEASRD
	SAMPLE MEASUREMENT	******	******			******		(12)			
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*****	6.5 DAILY MN	******	9.0 DAILY MX	SU		THREE/MONTH	GRAB
[illegible] TOTAL SUSPENDED [illegible] P 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	*****	******	25 30DA AVG	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] SETTLEABLE [illegible] 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******		(25)			
	PERMIT REQUIREMENT	******	******	*****	******	******	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
[illegible] AND GREASE [illegible] EXT-GRAV METH [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] TOTAL (AS FE) [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*****	******	******	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] FLOATING SOLIDS OR VISIBLE FOAM-VISUAL [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*****		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Charlie F. Vaughn Pres.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Sandy Manzanares	801 6370350	93	10	29
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] LL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: [illegible] CANYON COAL CLEANING PLANT
ADDRESS: [illegible] BOX 266
[illegible] ELMERTON UT 84542
FACILITY
LOCATION
[illegible] CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MINOR

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

(2-16) UT0040010 PERMIT NUMBER
(17-19) 007 A DISCHARGE NUMBER

F - FINAL
RUNOFF FROM ROADS

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	11	01	TO	93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible]ITARY WASTE DISCHARGED-ASSESSMNT 214 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/MONTH	VISUAL
[illegible] TOTAL DISSOLVED [illegible] 0 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO DISCHARGE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Charle F. Vaughn Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801637035		93	11	29
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] BOX 205
[illegible] UT 84542
FACILITY
LOCATION
[illegible] CARBON MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 — PERMIT NUMBER
(17-19) 007 A — DISCHARGE NUMBER

MINOR
F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	01	TO	93	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	(54-61) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible] RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	*****		ONCE/MONTH	MEASRD
[illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******			******		(12)			
	PERMIT REQUIREMENT	******	******	*****	6.5 DAILY MN	******	9.0 DAILY MX	SU		THICE/MONTH	GRAB
[illegible] TOTAL SUSPENDED [illegible] 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	*****	******	25 30DA AVG	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] SETTLEABLE [illegible] 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******		(25)			
	PERMIT REQUIREMENT	******	******	*****	******	******	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
[illegible] GREASE [illegible] EXTR-GRAV METH [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] TOTAL (AS FE) [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	*****	******	******	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*****		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Charlie F. Vaughn, Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: Charlie F. Vaughn

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	637 0350	93	12	11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] WILL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] BOX 205
[illegible] COLLINSTON UT 84542
FACILITY
LOCATION
[illegible] CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 PERMIT NUMBER

(17-19) 007 A DISCHARGE NUMBER

MINOR

F - FINAL
RUNOFF FROM [illegible]

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	01	TO	93	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible]TARY WASTE [illegible]CHARGED-ASSESSMNT [illegible]14 1 0 0 [illegible]LOAT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/ MONTH	VISUAL
[illegible] TOTAL [illegible]SOLVED [illegible] 0 0 [illegible] COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

No Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Charlie F. Vaughn Pres.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Candy Manzanares SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	801 6370350	93	12	11
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] WILL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME (Include Facility Name/Location if different)
NAME WELLINGTON COAL CLEANING PLANT
ADDRESS P.O. BOX 745
WELLINGTON UT 84542
FACILITY
LOCATION
CONTACT Ms. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040010 — PERMIT NUMBER
(17-19) 008 A — DISCHARGE NUMBER

MINOR
F - FINAL
DSCHRG FROM PERIMETER RUNOFF

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	10	01	TO	93	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	QUALITY OR CONCENTRATION (4 Card Only) MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	*** ****		ONCE/MONTH	MEASRD
	SAMPLE MEASUREMENT	******	******			******		(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******			(19)			
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	28 30DA AVG	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******		(25)			
00545 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
OIL AND GREASE HEXAN EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******		******	******		(19)			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******		(19)			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	******	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	******		(94)	******	******	******				
03613 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Charlie F. Vaughn Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	6370350	93	10	28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TSS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] ADA ZOO
[illegible] WELLINGTON UT 84542
FACILITY
LOCATION
[illegible]: MR. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-[illegible]) UTG040010 — PERMIT NUMBER
(17-19) 003 A — DISCHARGE NUMBER

MINOR

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

F - FINAL
DSCHRG FROM [illegible] RUNOFF

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	10	01	TO	93	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible]TARY WASTE [illegible]CHARGED-ASSESSMNT [illegible]14 1 0 0 [illegible]FLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/ MONTH	VISUAL
[illegible]LIDS, TOTAL [illegible]SOLVED [illegible]295 2 0 0 [illegible] COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

No Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Charlie F. Vaughn Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
801	6370359	93	10	28
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS P.O. BOX 766
WELLINGTON UT 84542
FACILITY
LOCATION
[illegible] MR. CANDY HANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 — PERMIT NUMBER

(17-19) 006 A — DISCHARGE NUMBER

MINOR

F - FINAL

DSCHRG FROM [illegible] RUNOFF

*** NO DISCHARGE |__| ***

Form Approved. OMB No. 2040-0004 Approval expires 10-31-94

NOTE: Read instructions before completing this form.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	11	01	TO	93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible] RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	**** ****		ONCE/MONTH	MEASRD
[illegible]	SAMPLE MEASUREMENT	******	******			******		(12)			
[illegible] 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
[illegible] TOTAL SUSPENDED [illegible] 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	25 30DA AVG	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] SETTLEABLE [illegible] 0 0 COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	******		(25)			
	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
[illegible] AND GREASE [illegible] EXTR-GRAV METH [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] TOTAL (AS FE) [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	******		(19)			
	PERMIT REQUIREMENT	******	******	**** ****	******	******	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
[illegible] SOLIDS OR [illegible] FOAM-VISUAL [illegible] 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	**** ****		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Charlie F. Vaughn Pres.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Candy Hanzanares

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	6370350	93	11	29

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible] IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible] SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] COAL CLEANING PLANT
ADDRESS [illegible] BOX 763
[illegible] WELLINGTON UT 84542
FACILITY
LOCATION
[illegible] CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040010 — PERMIT NUMBER
(17-19) 008 A — DISCHARGE NUMBER

MINOR

F - FINAL
DSCHRG FROM [illegible] RUNOFF

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

MONITORING PERIOD	YEAR	MO	DAY	TO	YEAR	MO	DAY
FROM	93	11	01		93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
[illegible]ITARY WASTE [illegible]SCHARGED-ASSESSMNT [illegible]514 1 0 0 [illegible]FLUENT GROSS VALUE	SAMPLE MEASUREMENT	******		(94)	******	******	******				
	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	**** ****		ONCE/ MONTH	VISUAL
[illegible]LIDS, TOTAL [illegible]SOLVED [illegible]0295 4 0 0 [illegible] COMMENTS BELOW	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

Discharge

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charlie F. Vaughn
Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	6370350	93	11	29

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

[illegible]SS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS [illegible]HALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME WELLINGTON COAL CLEANING PLANT
ADDRESS P.O. BOX 765
WELLINGTON UT 84542
FACILITY
LOCATION
CONTACT NO. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UTG040010 — PERMIT NUMBER
(17-19) 008 A — DISCHARGE NUMBER

MINOR
F - FINAL
DSCHRG FROM SEDIMENT POND RNOFF

Form Approved.
OMB No. 2040-0004
Approved Expires: 10/31/94

*** NO DISCHARGE |__| ***
NOTE: Read instructions before completing this form.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	01	TO	93	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW RATE	SAMPLE MEASUREMENT			(07)	******	******	******				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	GPD	******	******	******	*** ****		ONCE/MONTH	CALCD
	SAMPLE MEASUREMENT	******	******			******		(12)			G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	6.5 DAILY MN	******	9.0 DAILY MX	SU		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******			(19)			
00530 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	25 30DA AVG	70 DAILY MX	MG/L		ONCE/MONTH	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******		(25)			
00545 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	*** ****	******	******	0.5 DAILY MX	ML/L		ONCE/MONTH	GRAB
OIL AND GREASE HEXAN EXTR-GRAV METH	SAMPLE MEASUREMENT	******	******		******	******		(19)			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	******		(19)			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	******	2.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOATING SOLIDS OR VISIBLE FOAM-VISUAL	SAMPLE MEASUREMENT	******		(94)	******	******	******				
00013 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	*** ****		ONCE/MONTH	VISUAL

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charlie F. Vaughn
Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 801 NUMBER 6370350
DATE: YEAR 93 MO 12 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
TSS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

PERMITTEE NAME AND ADDRESS (Include Facility Name/Location if different)
NAME [illegible] CANYON COAL CLEANING PLANT
ADDRESS P.O. BOX 265
WELLINGTON UT 84542
FACILITY
LOCATION
ATTN: DR. CANDY MANZANARES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) UT0040010 PERMIT NUMBER
(17-19) 008 A DISCHARGE NUMBER

MINOR
F - FINAL
DSCHRG FROM [illegible] RNOFF

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	01	TO	93	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	QUALITY OR CONCENTRATION (4 Card Only) MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
SANITARY WASTE DISCHARGED-ASSESSMNT	SAMPLE MEASUREMENT	******		(94)	******	******	******				
00014 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	0 DAILY MX	YES=1 NO=0	******	******	******	**** ****		ONCE/MONTH	VISUAL
SOLIDS, TOTAL DISSOLVED	SAMPLE MEASUREMENT	******		(26)	******	******		(19)			
70295 Q 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	2000 DAILY MX	LBS/DY	******	******	REPORT DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

Schedule

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Charlie F. Vaughn
Pres.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Candy Manzanares
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
801	6370350	93	12	11

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
THIS IS LIMITED TO ONE TON PER DAY FROM ALL OUTFALLS. DURING PRECIPITATION EVENTS, SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS. REPORT "DOES NOT APPLY" IN THE APPROPRIATE ROW.

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
JANUARY 1993

DATE	COAL REC'D SHORT TONS	2X0 LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2X0 LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04-Jan	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
05-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06-Jan	0	0	0	27.25	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
07-Jan	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
08-Jan	0	0	0	0	0	0	0	2	TR	0	0	0	0	0	0	0	0	0	
09-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11-Jan	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
12-Jan	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
13-Jan	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
14-Jan	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
15-Jan	0	0	0	28.15	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
16-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19-Jan	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
20-Jan	0	0	0	28.05	0	0	0	2	TR	0	0	0	0	0	0	0	0	0	
21-Jan	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
22-Jan	0	719.53	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
23-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25-Jan	0	1117.21	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
26-Jan	0	1057.31	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
27-Jan	0	293.45	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
28-Jan	0	293.74	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
29-Jan	0	981.89	0	28.60	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
30-Jan	0	258.28	0	0	0	0	0	16	TR	0	0	0	0	0	0	0	0	0	
31-Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
FEBRUARY 1993

DATE	COAL REC'D SHORT TONS	2X0 LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2X0 LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Feb	0	0.00	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
02-Feb	0	300.15	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
03-Feb	0	299.38	0	0	0	0	0	16	TR	0	0	0	0	0	0	0	0	0	
04-Feb	0	298.74	0	0	0	0	0	16	TR	0	0	0	0	0	0	0	0	0	
05-Feb	0	298.58	0	0	0	0	0	16	TR	0	0	0	0	0	0	0	0	0	
06-Feb	0	258.96	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
07-Feb	0	0.00	0	0	0	0	0	16	TR	0	0	0	0	0	0	0	0	0	
08-Feb	0	260.87	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
09-Feb	0	302.60	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
10-Feb	0	602.37	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	
11-Feb	0	302.40	0	29.40	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
12-Feb	0	0.00	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
13-Feb	0	0.00	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
14-Feb	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15-Feb	0	296.94	0	0	0	0	0	15	TR	0	0	0	0	0	0	0	0	0	
16-Feb	0	301.81	0	28.15	0	0	0	15	TR	0	0	0	0	0	0	0	0	0	
17-Feb	0	305.43	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
18-Feb	0	258.36	0	0	0	0	0	15	TR	0	0	0	0	0	0	0	0	0	
19-Feb	0	261.66	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
20-Feb	0	261.10	0	0	0	0	0	15	TR	0	0	0	0	0	0	0	0	0	
21-Feb	0	0.00	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
22-Feb	0	258.17	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
23-Feb	0	299.27	0	28.65	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
24-Feb	0	259.14	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
25-Feb	0	301.23	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
26-Feb	0	302.88	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	
27-Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28-Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
MARCH 1993

DATE	COAL REC'D SHORT TONS	2X0 LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2X0 LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Mar	0	0.00	0	0	0	0	12	13	0	0	0	0	0	0	0	0	0	0	
02-Mar	0	0.00	0	0	0	0	15	16	0	0	0	0	0	0	0	0	0	0	
03-Mar	0	0.00	0	0	0	0	10	11	0	0	0	0	0	0	0	0	0	0	
04-Mar	0	0.00	0	0	0	0	15	16	0	0	0	0	0	0	0	0	0	0	
05-Mar	0	0.00	0	0	0	0	15	16	0	0	0	0	0	0	0	0	0	0	
06-Mar	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07-Mar	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08-Mar	0	301.47	0	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	
09-Mar	0	302.40	0	0	0	0	7	9	0	0	0	0	0	0	0	0	0	0	
10-Mar	0	260.37	0	0	0	0	7	9	0	0	0	0	0	0	0	0	0	0	
11-Mar	0	303.37	0	29.40	0	0	7	9	0	0	0	0	0	0	0	0	0	0	
12-Mar	0	303.73	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	
13-Mar	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14-Mar	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15-Mar	0	302.17	0	0	0	0	7	8	TR	0	0	0	0	0	0	0	0	0	
16-Mar	0	261.91	0	0	0	0	7	8	0	0	0	0	0	0	0	0	0	0	
17-Mar	0	304.34	0	0	0	0	5	7	0	0	0	0	0	0	0	0	0	0	
18-Mar	0	301.93	0	30.20	0	0	0	3	TR	0	0	0	0	0	0	0	0	0	
19-Mar	0	302.01	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
20-Mar	0	260.73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21-Mar	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22-Mar	0	257.06	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
23-Mar	0	260.37	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
24-Mar	0	304.67	0	30.05	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
25-Mar	0	260.05	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
26-Mar	0	306.22	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
27-Mar	0	260.90	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
28-Mar	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29-Mar	0	302.76	0	0	0	0	0	3	TR	0	0	0	0	0	0	0	0	0	
30-Mar	0	302.60	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
31-Mar	0	302.84	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
APRIL 1993

DATE	COAL REC'D SHORT TONS	2X0 LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2X0 LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Apr	0	260.50	0	30.05	0	0	0	3	TR	0	0	0	0	0	0	0	0	0	
02-Apr	0	303.39	0	0	0	0	0	3	TR	0	0	0	0	0	0	0	0	0	
03-Apr	0	304.45	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
04-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
05-Apr	0	307.33	0	0	0	0	0	3	TR	0	0	0	0	0	0	0	0	0	
06-Apr	0	303.42	0	0	0	0	0	2	NO	0	0	0	0	0	0	0	0	0	
07-Apr	0	0	0	29.95	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
08-Apr	0	0	0	0	0	0	0	2	NO	0	0	0	0	0	0	0	0	0	
09-Apr	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
10-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
11-Apr	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
12-Apr	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
13-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
14-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
15-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
16-Apr	0	0	0	29.70	0	0	0	3	NO	0	0	0	0	0	0	0	0	0	
17-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
18-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
19-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
20-Apr	0	0	0	29.80	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
21-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
22-Apr	0	0	0	0	0	0	0	2	NO	0	0	0	0	0	0	0	0	0	
23-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
24-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
25-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
26-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
27-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
28-Apr	0	0	0	29.15	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
29-Apr	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
30-Apr	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
MAY 1993

DATE	COAL REC'D SHORT TONS	2XO LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2XO LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02-May	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
03-May	0	0	0	29.15	0	0	0	3	TR	0	0	0	0	0	0	0	0	0	
04-May	0	0	0	29.05	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
05-May	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
06-May	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
07-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
09-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-May	0	0	0	29.60	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
11-May	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
12-May	0	0	0	28.15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
13-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14-May	0	0	0	29.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15-May	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
16-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17-May	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
18-May	0	0	0	30.15	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
19-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24-May	0	0	0	29.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25-May	0	0	0	29.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27-May	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	
28-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31-May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
JUNE 1993

DATE	COAL REC'D SHORT TONS	2XO LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2XO LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Jun	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
02-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
03-Jun	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
04-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
05-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
06-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
07-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
08-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	4000	
09-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
10-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
11-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
12-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
13-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
14-Jun	0	0	0	29.55	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
15-Jun	0	0	0	29.45	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
16-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	4000	
17-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
18-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
19-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
20-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
21-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
22-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
23-Jun	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
24-Jun	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	
25-Jun	0	0	0	29.05	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
26-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
27-Jun	0	0	0	0	0	0	0	0	NO	0	0	0	0	0	0	0	0	0	
28-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
29-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	
30-Jun	0	0	0	0	0	0	0	1	NO	0	0	0	0	0	0	0	0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
JULY 1993

DATE	COAL REC'D SHORT TONS	2X0 LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2X0 LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Jul	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
02-Jul	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
03-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05-Jul	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
06-Jul	0	0	0	0	0	0	0	2	0	0	0	0	0	2000	6	11	0	6000	
07-Jul	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
08-Jul	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
09-Jul	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
10-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12-Jul	0	0	0	0	0	0	0	1	0	0	0	0	0	2000	6	10	0	0	
13-Jul	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	4000	
14-Jul	0	0	0	0	0	0	0	3	0	0	0	0	0	6000	6	10 11 13	0	0	
15-Jul	0	0	0	0	0	0	0	4	0	0	0	0	0	6000	6	9 11 12	0	0	
16-Jul	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
17-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10000	
18-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19-Jul	0	1413.15	0	0	0	0	0	11	0	0	0	0	0	6000	6	9 11 13	0	0	
20-Jul	0	1461.70	0	0	0	0	0	11	0	0	0	0	0	6000	6	8 12 14	0	0	
21-Jul	0	1363.73	0	0	0	0	0	10	0	0	0	0	0	6000	6	8 11 14	0	0	
22-Jul	0	1443.44	0	0	0	0	0	9	0	0	0	0	0	6000	6	8 11 14	0	0	
23-Jul	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	8000	
24-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26-Jul	0	88.21	0	0	0	0	0	2	0	0	0	0	0	6000	6	8 10 12 14	0	0	
27-Jul	0	181.97	0	0	0	0	0	3	0	0	0	0	0	2000	6	9	0	0	
28-Jul	0	43.43	0	0	0	0	0	3	0	0	0	0	0	2000	6	8	0	6000	
29-Jul	0	42.80	0	0	0	0	0	2	0	0	0	0	0	2000	6	11	0	0	
30-Jul	0	89.12	0	0	0	0	0	2	0	0	0	0	0	2000	6	10	0	0	
31-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
AUGUST 1993

DATE	COAL REC'D SHORT TONS	2XO LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2XO LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02-Aug	0	1089.32	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
03-Aug	0	1285.68	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
04-Aug	0	1298.4	0	0	0	0	0	7	0	0	0	0	0	2000	6	11	0	0	0
05-Aug	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	0
06-Aug	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
07-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09-Aug	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
10-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	2000	6	10	0	0	0
11-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6000	0
12-Aug	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
13-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16-Aug	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	0
17-Aug	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
18-Aug	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	0
19-Aug	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
20-Aug	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0	0	0	0	0
21-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-Aug	0	0	0	76.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-Aug	0	0	0	0	0	0	0	0	TR	0	0	0	0	0	0	0	0	0	0
26-Aug	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
27-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-Aug	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0
31-Aug	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
SEPTEMBER, 1993

DATE	COAL REC'D SHORT TONS	2XO LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2XO LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07-Sep	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0
08-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11-Sep	88.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-Sep	0	0	0	0	0	0	6.5	7	0	0	0	0	0	6000	6	10 11 12	0	0	0
14-Sep	0	0	0	0	0	0	3.5	5	0	0	0	0	0	2000	6	10	0	0	0
15-Sep	0	0	0	0	0	0	3.2	4	TR	0	0	0	0	4000	6	10 11	0	0	0
16-Sep	0	0	0	0	0	0	8.5	9	0	0	0	0	0	8000	2	10 11 14 15	0	0	0
17-Sep	0	0	0	0	0	0	8.1	9	0	0	0	0	0	8000	2	10 11 15 16	0	0	0
18-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-Sep	485.58	0	0	28.95	0	0	9	10	0	0	0	0	0	6000	2	10 12 14	0	0	0
21-Sep	0	0	0	0	0	0	8	9	0	0	0	0	0	8000	2	10 11 13 14	0	0	0
22-Sep	0	0	0	0	0	0	8	9	0	0	0	0	0	6000	2	9 11 13	0	0	0
23-Sep	89.83	0	0	0	0	0	6	7	0	0	0	0	0	6000	2	9 10 12	0	0	0
24-Sep	0	0	0	0	0	0	2.5	3	0	0	0	0	0	2000	2	10	0	0	0
25-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27-Sep	0	0	0	0	0	0	0	1	0	0	0	0	0	2000	2	11	0	0	0
28-Sep	0	0	0	0	0	0	2.2	3	0	0	0	0	0	4000	2	9 13	0	0	0
29-Sep	0	0	0	0	0	0	6	7	0	0	0	0	0	4000	2	9 12	0	0	0
30-Sep	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
																			0

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
OCTOBER, 1993

DATE	COAL REC'D SHORT TONS	2XO LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2XO LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWNS (BRIEF NOTES)
01-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	
02-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	
03-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	
04-Oct	1686.19	0	0	0	0	0	0	13	0	0	0	0	0	0	0		0	0	
05-Oct	1040.30	0	0	0	0	0	0	9	0	0	0	0	0	0	0		0	0	
06-Oct	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0		0	0	
07-Oct	0	0	0	0	0	0	0	1	TR	0	0	0	0	0	0		0	0	
08-Oct	0	0	0	0	0	0	0	3	TR	0	0	0	0	0	0		0	0	
09-Oct	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0		0	0	
10-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	
11-Oct	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		0	0	
12-Oct	0	88.43	0	0	0	0	2	3	0	0	0	0	0	0	0		0	0	
13-Oct	532.15	0	0	0	0	0	8.2	14	0	0	0	0	0	6000	6	9 12 14	0	0	
14-Oct	0	2399.62	0	0	0	0	14	15	TR	0	0	0	0	6000	6	10 12 15	0	6000	
15-Oct	0	1569.96	0	0	0	0	12	13	0	0	0	0	0	6000	6	9 12 14	0	0	
16-Oct	0	40.30	0	0	0	0	7.3	10	0	0	0	0	0	4000	6	10 12	0	0	
17-Oct	0	0	0	0	0	0	12	14	0	0	0	0	0	4000	6	9 12	0	0	
18-Oct	4601.14	2497.39	0	0	0	0	14.5	16	TR	0	0	0	0	6000	6	9 12 15	0	0	
19-Oct	5251.95	2376.99	0	0	0	0	15	16	0	0	0	0	0	6000	6	9 10 14	0	0	
20-Oct	4277.63	1959.90	0	0	0	0	16	17	0	0	0	0	0	8000	6	9 10 14 15	0	6000	
21-Oct	4618.29	1782.01	0	0	0	0	22	23	0	0	0	0	0	8000	6	9 10 14 15	0	0	
22-Oct	5202.55	2237.89	0	0	0	0	22	23	0	0	0	0	0	8000	6	9 10 14 15	0	0	
23-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	
24-Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	
25-Oct	5956.59	2437.33	0	0	0	0	22	24	0	0	0	0	0	8000	6	10 11 14 15	0	0	
26-Oct	5845.60	3507.71	0	0	0	0	22	24	0	0	0	0	0	8000	6	10 11 14 15	0	10000	
27-Oct	5325.29	2962.55	0	28.6	0	0	22	24	0	0	0	0	0	8000	6	10 11 14 15	0	0	
28-Oct	1879.10	3154.78	0	0	0	0	22	24	0	0	0	0	0	8000	6	11 12 14 15	0	0	
29-Oct	2235.94	1561.05	0	0	0	0	22	24	0	0	0	0	0	8000	6	11 12 14 15	0	0	
30-Oct	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0		0	0	
31-Oct	0	0	0	0	0	0	9	10	0	0	0	0	0	0	0		0	0	

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
NOVEMBER, 1993

DATE	COAL REC'D SHORT TONS	2X0 LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2X0 LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWN (BRIEF NOTES)
01-Nov	4352.69	2850.10	0			0	22	23	NO	6000	2					11 13 15			
02-Nov	2199.69	2707.00					23	24	NO	8000	2					11 13 14 15			
03-Nov	321.29	2973.66					22	24	NO	8000	2					11 13 14 15		6000	
04-Nov	45.13	2832.56					22	24	NO	8000	2					10 11 14 15			
05-Nov	87.60	2154.68		14			17	19	NO	6000	2					10 12 14			
06-Nov							23	24	NO	6000	2					9 11 13			
07-Nov							16	18	NO	4000	2					10 14			
08-Nov		1636.20					23	24	NO	4000	2					10 12			
09-Nov		478.42					22	24	NO	4000	2					10 12		6000	
10-Nov		363.66					24	24	TR										
11-Nov							24	24	TR										
12-Nov							24	24	NO										
13-Nov							24	24	NO										
14-Nov							24	24	NO	2000	2					10			
15-Nov		170.8					24	24	NO	4000	2					10 14			
16-Nov	2043.54						24	24	NO										
17-Nov	5389.42						24	24	NO	2000	2					10			
18-Nov	4512.37				8949.70		24	24	NO	2000	2					11		6000	
19-Nov	575.95						24	24	NO										
20-Nov							0												
21-Nov							0												
22-Nov	130.84						0	9	TR										
23-Nov	43.66						0	12	NO										
24-Nov							0	12	NO										
25-Nov							0		TR										
26-Nov							0		TR										
27-Nov							0		NO										
28-Nov							0		NO										
29-Nov	3369.21	1537.05					0	24	NO										
30-Nov	3462.23	2439.25					0	24	NO										

AIR QUALITY PARAMETERS FOR
CASTLE VALLEY RESOURCES &
GENWAL COAL COMPANY
DECEMBER, 1993

DATE	COAL REC'D SHORT TONS	2XO LOADED TRUCKS S. TONS	LUMP LOADED TRUCKS S TONS	STOKER LOADED TRUCKS S TONS	2XO LOADED TRAINS S. TONS	STOKER IN TRAINS	HOURS SCREEN & CRUSH OPERATE	HOURS 320 LOADER USED	RAIN FALL IN/TR NO	GAL. MAG. CHLOR APPL'D	ACRES TREATED WITH CHLORID	CONCENT-RATION OF SOLUTION GAL	TIME MAG. APPL'D	GAL. WATER APPL'D	AC TREAT WITH WATER	TIME WATER WAS APPLIED	TONS TREATED LATEX	GALLONS WATER APPL'D TO HAULROAD	EQUIPMENT BREAKDOWN (BRIEF NOTES)
01-Dec	2703.48	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	
02-Dec	357.34	2505.61	0	0	10104	0	0	24	0	0	0	0	0	0	0	0	0	0	
03-Dec	708.03	1222.66	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	
04-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08-Dec	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	
09-Dec	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	
10-Dec	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
11-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13-Dec	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
14-Dec	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	
15-Dec	2186.33	34.68	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	
16-Dec	4300.77	114.27	0	0	10060	0	0	24	0	0	0	0	0	0	0	0	0	0	
17-Dec	44.65	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	
18-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20-Dec	87.10	46.31	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
21-Dec	0	37.40	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
22-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26-Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27-Dec	0	1268.05	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	
28-Dec	0	829.59	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	
29-Dec	892.04	935.86	0	0	0	0	0	4	TR	0	0	0	0	0	0	0	0	0	
30-Dec	0	310.38	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	
31-Dec	0	270.37	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	

SUBSIDENCE MONITORING

There is no subsidence monitoring done on this permit. This permit is a coal preparation area and underground mining does not occur.

VEGETATION MONITORING OF THE RECLAMATION TEST PLOTS AT THE WELLINGTON PREPARATION PLANT 1993

Prepared by

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Report: Patrick Collins, Ph.D.

Report Date: January 1994
Fieldwork Date: September 1993

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VEGETATION TEST PLOT MONITORING AT THE WELLINGTON PREPARATION PLANT 1993

INTRODUCTION

Brief History

A reclamation research program was initiated in 1984 at the Wellington site. As a result, fairly elaborate vegetation test plots were constructed in 1984 and 1985 when U.S. Steel owned the property. The test plots were designed as an attempt to address each of the major disturbance types of the area by testing a variety of techniques for final reclamation. Test plots were named according to the disturbances they represent. The plots were called the following:

1) Surface Facilities (SF)
2) Coarse Slurry (CS)
3) Coarse Refuse (CR)
4) Slurry Pond (SP)

A copy of the plot designs has been included in Wellington's Mining and Reclamation Plan (Appendix A).

A short time after the plots were implemented, U.S. Steel sold the property to Kaiser Coal Company. Kaiser idled the wash plant and did not maintain the test plots.

Another test plot was implemented in the late fall of 1990. This plot was designed to replace the previous Surface Facilities Plot that was removed following Division approval. The purpose of this plot was simply to test single-species plantings and mixtures of plant species. A copy of the "as-built" designs of this plot was also included in Appendix A of the MRP.

Recent Plot Sampling

As an attempt to salvage information from the unmaintained test plots implemented in 1984-85, the plots were intensively sampled in 1991. This document is a follow-up study to the 1991 data of the test plots.

METHODS

Qualitative data were recorded on all sites. A qualitative data sheet for each site provided the following information: site name, general area, sample date, observers, slope, exposure, acreage, animal disturbance, erosion damage, cover, dominant plant species observed, estimated living cover and other pertinent notes.

Additionally, some density data were recorded on the SF plot. For this information a quick count of the number of individuals by lifeform of each subplot was assessed. The plots were then rated by the number of plants as follows: poor = 0, fair = 0-1, good = 2-10, and excellent = > 10 per subplot.

RESULTS & DISCUSSION

Results from monitoring each of the reclamation test plots in 1993 are given below. Color photographs of each area are also included in this report.

Surface Facility Plot

Single Species Subplots

Each subplot for the single-species plantings has an area of 90 ft^2. There were 3 subplots (A-C) planted for each of the species below. Each species was numbered 1-20. Results of the density of each planted species follows the common name below.

SCIENTIFIC NAME	COMMON NAME	DENSITY (A,B,C)
Grasses		
1 = *Elymus hispidus*	Intermediate Wheatgrass	P,G,G
2 = *Elymus smithii*	Western Wheatgrass	P,G,E
3 = *Elymus trachycaulus*	Slender Wheatgrass	P,P,P
4 = *Boutelous gracilis*	Blue Grama	P,F,F
5 = *Elymus cinereus*	Gt. Basin Wildrye	P,G,F
6 = *Hilaria jamesii*	Galleta	P,P,P
7 = *Stipa hymenoides*	Indian Ricegrass	P,E,E

8 = *Sitanion hystrix*	Squirrelltail	G,E,G
9 = *Sporobolus airoides*	Alkali Sacaton	P,P,F
10 = *Sporobolus cryptandrus*	Sand Dropseed	F,F,P

Forbs

11 = *Achillea millefolium*	Yarrow	P,P,P
12 = *Aster chilensis*	Pacific Aster	P,P,G
13 = *Asclepias speciosa*	Milkweed	P,P,P
14 = *Helianthus annuus*	Sunflower	E,E,E
15 = *Medicago sativa*	Alfalfa	G,E,E
16 = *Melilotus officinalis*	Yellow Sweetclover	G,E,E
17 = *Penstemon eatonii*	Eaton's Penstemon	P,P,P
18 = *Penstemon palmeri*	Palmer Penstemon	E,P,E
19 = *Linum lewsii*	Lewis Flax	P,P,P
20 = *Sphaeralcea grossulariaefolia*	Globemallow	F,E,E

P = Poor (0)
F = Fair (0-1)
G = Good (2-10)
E = Excellent (>10)

Plant species that appeared to be doing relatively well when compared to the other species planted were:

Alfalfa
Globemallow
Indian ricegrass
Palmer penstemon
Squirrelltail
Sunflower
Yellow sweetclover

Plant species that appeared to have little success on the single-species subplots were:

Eaton's penstemon
Galleta
Lewis flax
Milkweed
Slender wheatgrass
Yarrow

Species Mixture Subplots

Mixtures of plant species were also planted in the SF plot. A qualitative assessment was also given to each of these subplots (A-D) based on presence (or absence) of the species planted. Each mixture was replicated 3 times (1-3). The mixtures are shown below along with the qualitative value rating given during sampling.

Species Mix A

Subplot A1 = Poor
A2 = Good
A3 = Good

SCIENTIFIC NAME	COMMON NAME
GRASSES	
Elymus smithii	Western Wheatgrass
Elymus trachycaulus	Slender Wheatgrass
Elymus cinereus	Gt. Basin Wildrye
Stipa hymenoides	Indian Ricegrass
Sporobolus airoides	Alkali Sacaton
FORBS	
Achillea millefolium	Yarrow
Aster chilensis	Pacific Aster
Helianthus annua	Sunflower
Medicago sativa	Alfalfa
Penstemon palmeri	Palmer's Penstemon
SHRUBS	
Artemisia tridentata wyo.	Wyoming Big Sagebrush
Atriplex gardneri	Gardner's Saltbush
Atriplex canescens	Four-winged Saltbush
Ceratoides lanata	Winterfat
Chrysothamnus nauseosus	Rubber Rabbitbrush

Species Mix B

Subplot B1 = Poor
B2 = Poor
B3 = Poor

GRASSES

Elymus hispidus	Intermediate Wheatgrass
Bouteloua gracilis	Blue Grama
Sitanion hystrix	Squirreltail
Sporobolus airoides	Alkali Sacaton

FORBS

Asclepia speciosus	Milkweed
Linum lewsii	Lewis Flax
Melilotus officinalis	Yellow Sweetclover
Penstemon eatonii	Eaton's Penstemon
Sphaeralcea grossulariaefolia	Globemallow

SHRUBS

Artemsia nova	Black Sagebrush
Atriplex confertifolia	Shadscale
Chrysothamnus nauseosus	Rubber Rabbitbrush
Kochia prostrata	Summer Cypress

Species Mix C

Subplot C1 = Good
C2 = Fair
C3 = Good

GRASSES

Elymus smithii	Western Wheatgrass
Hilaria jamesii	Galleta
Stipa hymenoides	Indian Ricegrass
Sporobolus crytandrus	Sand Dropseed

FORBS

Achillea millefolium	Yarrow
Aster chilensis	Pacific Aster
Helianthus annua	Sunflower
Melilotus officinalis	Yellow Sweetclover

SHRUBS

Atriplex canescens	Four-winged Saltbush
Atriplex confertifolia	Shadscale
Ceratoides lanata	Winterfat
Kochia prostrata	Summer Cypress
Sarcobatus vermiculatus	Greasewood

Species Mix D

Subplot D1 = Good
D2 = Good
D3 = Fair

GRASSES

Elymus hispidus	Intermediate Wheatgrass
Bouteloua gracilis	Blue Grama
Oryzopsis hymenoides	Indian Ricegrass
Sitanion hystrix	Squirreltail

FORBS	
Asclepia speciosus	Milkweed
Linum lewsii	Lewis Flax
Medicago sativa	Alfalfa
Penstemon eatonii	Eaton's Penstemon
Penstemon palmeri	Palmer's Penstemon
Sphaeralcea grossulariaefolia	Globemallow
SHRUBS	
Artemisia tridentata wyo.	Wyoming Big Sagebrush
Artemsia nova	Black Sagebrush
Atriplex confertifolia	Shadscale
Atriplex canescens	Four-wing Saltbush

Based on the qualitative data compiled from the species mixture plots, Mixtures C and D appeared to be doing best, followed by Mixture A. Mixture B appeared to be poorest at the time of sampling.

There was an obvious increase in the number of desirable species becoming established on all subplots (single-species and mixtures) when compared to the previous year. Quantitative sampling scheduled in 1994 will show the differences between each plot in a more precise manner.

Coarse Refuse Plot

The CR plot was constructed on a pile of coarse refuse deposited from earlier coal cleaning activities. The plot is on a east-facing slope. With the exception of approximately 25 mature fourwing saltbush plants (*Atriplex canescens*), few desirable plant species have become established on the plot. It

was estimated, however, to have approximately 50% living cover, but most of it was comprised of "weedy" plant species. The dominate plant species on the plot was halogeton (*Halogeton glomeratus*). There appeared to be no difference between subplot treatments when cover and species were considered.

There are plans to renovate this test plot in 1994 employing varying revegetation techniques.

Coarse Slurry Plot

This plot and the Slurry Pond Plot were constructed in the same area, but with different substrates (see Appendix A of the MRP). The previous operator did not maintain these plots. Seven years of drought conditions, plus general plot neglect probably greatly influenced the results of intensive quantitative sampling in 1991. Although definite patterns of vegetative establishment was recognized at that time, the plots did not meet standards for final revegetation.

Since the last time the plots were monitored quantitatively (1991), the operator has restricted access to them by wildlife and livestock. Additionally, the dry period of the area has been somewhat relieved by more "normal" precipitation patterns. Qualitative assessments of the plots for the past couple of years

have noted a considerable improvement of the vegetative establishment on the plots. In 1993, the plots were examined qualitatively. Most of the "gouges" had very good growth of desirable species. Weedy exotics continue to dominate the spaces between the gouges. Mention was made at the time of sampling that some areas could even approach appropriate cover for revegetation success. A list of the dominate plant species observed is given below.

Agropyron cristatum
Artemisia tridentata
Atriplex canescens
Elymus smithii
Halogeton glomeratus
Kochia scoparia
Sarcobatus vermiculatus
Sisymbrium altissimum
Sitanion hystrix

It is recommended that the plots be sampled quantitatively in 1994 to provide statistically valid data for comparison of revegetation techniques for incorporation into the reclamation plan. This recommendation was also recently suggested by the Division in Wellington's Midterm Review.

Slurry Pond Plot

The SP plot is in the same general area as the CS plot. Results of the qualitative sampling were very similar to the CS plot above.

COLOR PHOTOGRAPHS

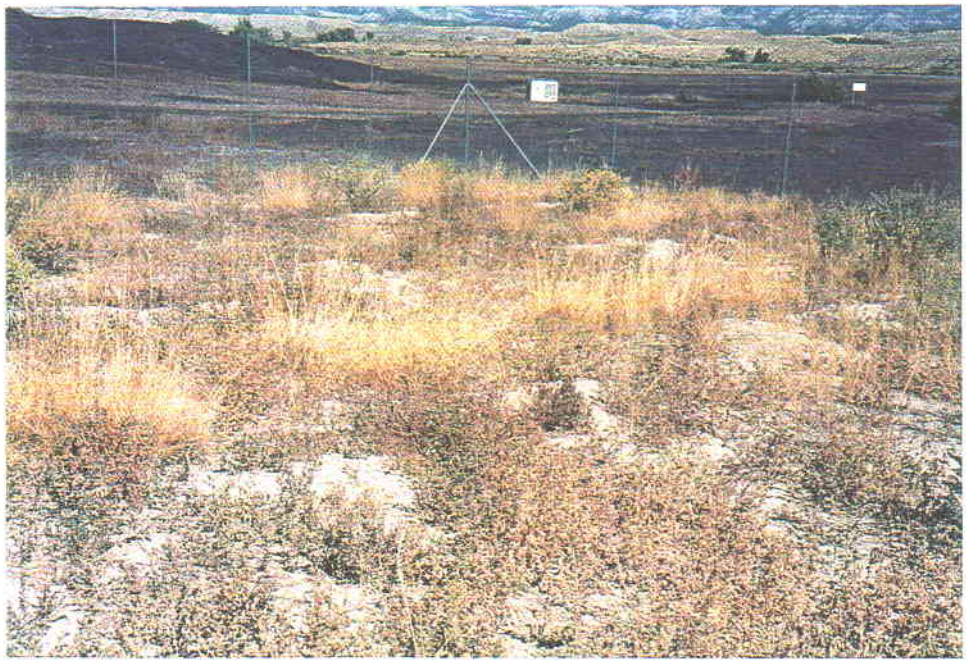
Surface Facilities Plot (a)

Surface Facilities Plot (b)

Coarse Refuse Plot

Coarse Slurry and Slurry Pond Plots

Coarse Slurry Plot



Slurry Pond Plot

QUARTERLY IMPOUNDMENT INSPECTION CERTIFICATIONS

The impoundments at Wellington has been done by a qualified professional engineer. These inspections have been incorporated into the ~~1992~~ 1993 quarterly reports and are shown on the following pages.

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	

REGISTERED PROFESSIONAL ENGINEER
R. LARRY MARSHALL
STATE OF UTAH

R. Larry Marshall
Chief Engineer
General Coal Company

29 March 93
Date

cc: L.W. Johnson

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	

REGISTERED PROFESSIONAL ENGINEER #7933 STATE OF UTAH

R.J. Marshall
Chief Engineer
Genwal Coal Company

6/30/93
Date

cc: L.W. Johnson

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	

REGISTERED PROFESSIONAL ENGINEER
177933
R. JAY MARSHALL
STATE OF UTAH

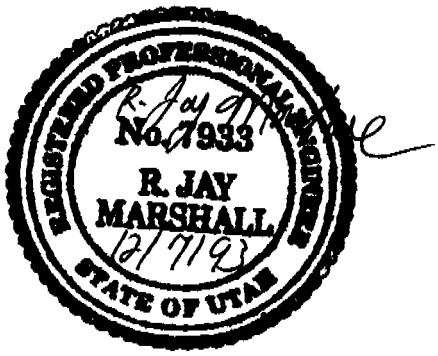
R.J. Marshall
Chief Engineer
Genwal Coal Company

9/30/93
Date

cc: L.W. Johnson

Structural Stability Inspection:

POND	COMMENT
Sediment	All Ponds were dry and in good order. No significant erosion or structural failure indications are apparent on any of the pond embankments. Upper and lower Refuse and Clear Water Ponds have been inactive since 1985.
Roadside	
Auxiliary	
Dryer	
Pipeline Slurry	
Upper Refuse	
Lower Refuse	
Clear Water	



R.J. Marshall
Chief Engineer
Genwal Coal Company

12/7/93
Date

cc: L.W. Johnson

ANNUAL IMPOUNDMENT INSPECTION CERTIFICATIONS

The impoundements at Wellington has been done by a qualified professional engineer. These inspections are shown on the following pages.

ANNUAL MAINTENANCE INSPECTION CERTIFICATION

1. I hereby certify, in accordance with R614-301-514.310 through R614-301-514.313 and others as applicable, that with respect to the following facility.

Name of Permittee Castle Valley Resources Permit No. ACT/007/012

Mine Name Wellington Preparation Plant

which is a (check one)

X temporary water impoundment (8 separate impoundments)
____ permanent water impoundment
____ processing waste impoundment

2. I or persons under my supervision, have conducted adequate inspections of the maintenance of the structure; and

3. The maintenance has been performed in accordance with the Utah State Coal Program; and

4. The attached report is certified in accordance with the rules of professional conduct promulgated by the Utah Board of Examiners for Engineers; and

5. The attached report addresses the following points:

   a. any appearances of instability, structural weaknesses or other hazardous conditions.

   b. depth and elevation of impoundment water;

   c. existing storage capacity;

   d. existing or required monitoring procedures and instrumentation; and

   e. any other aspects of the structures affecting stability.

REGISTERED PROFESSIONAL ENGINEER 47933 STATE OF UTAH

Signed

2 March 93
Date

CERTIFICATION REPORT

On 2 March 93, 1993, an inspection of CUR Preparation Plant, Auxiliary sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was unknown feet. The water depth was less than 2 feet.

D. The existing storage capacity is .79 acre-feet which is greater than the N/A acre-feet required by the approved plan. NOTE: Pond is being redesigned to serve as a sedimentation Pond

E. Pond is inspected quarterly for structural problems.

Based on this field inspection Auxiliary sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER #7933 JAY MARSHALL STATE OF UTAH

Signed

2 March 93
Date

CERTIFICATION REPORT

On 2 March, 1993, an inspection of CVR Preparation Plant, Roadside sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was dry feet. The water depth was less than ~~2~~ dry feet.

D. The existing storage capacity is .56 acre-feet which is greater than the N/A acre-feet required by the approved plan. NOTE: Pond is currently being redesigned to serve as a sedimentation pond.

E. Pond is inspected quarterly for structural problems.

Based on this field inspection Roadside sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER
#17932
R. JAY MARSHALL
STATE OF UTAH

R. Jay Marshall
Signed

2 March 93
Date

CERTIFICATION REPORT

On 2 March, 1993, an inspection of CVR Preparation Plant, Dryer sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was dry feet. The water depth was less than ~~2~~ dry feet.

D. The existing storage capacity is .22 acre-feet which is greater than the N/A acre-feet required by the approved plan. NOTE: Pond is currently being redesigned to serve as a sedimentation pond.

E. Pond is inspected quarterly for structural problems.

Based on this field inspection Dryer sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER #7933 R. JAY MARSHALL STATE OF UTAH

Signed

2 March 93
Date

CERTIFICATION REPORT

On 2 march, 1993, an inspection of CVR Preparation plant, Pipeline slurry sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was dry feet. The water depth was less than ~~2~~ dry feet.

D. The existing storage capacity is 1.08 acre-feet which is greater than the .40 acre-feet required by the approved plan.

E. Pond is inspected quarterly for structural problems.

Based on this field inspection Pipeline slurry sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER #7932 D. MAYNARD SMALL STATE OF UTAH

Signed

2 march 93
Date

CERTIFICATION REPORT

On 2 March, 1993, an inspection of CVR Wellington Preparation Plant, Plant sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was unknown feet. The water depth was less than 2 feet.

D. The existing storage capacity is 1.71 acre-feet which is greater than the 1.41 acre-feet required by the approved plan.

E. Pond is inspected quarterly for structural problems.

Based on this field inspection Plant sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER
#7933
R. JAY MARSHALL
STATE OF UTAH

R. Jay Marshall
Signed

2 March 93
Date

CERTIFICATION REPORT

On 2 March, 1993, an inspection of C.V.R. Preparation Plant, upper Refuse sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was dry feet. The water depth was less than ~~2~~ dry feet.

D. The existing storage capacity is unknown acre-feet which is greater than the N/A acre-feet required by the approved plan.

E. Pond is inspected quarterly for structural problems.

Based on this field inspection upper Refuse sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER
#7933
R. JAY MARSHALL
STATE OF UTAH

R. Jay Marshall
Signed

2 March 93
Date

CERTIFICATION REPORT

On 2 March, 1993, an inspection of CVR Preparation Plant, Lower Refuse sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was dry feet. The water depth was less ~~than~~ dry feet.

D. The existing storage capacity is 1200 acre-feet which is greater than the 48.6 acre-feet required by the approved plan.

E. Pond is inspected quarterly for structural problems.

Based on this field inspection Lower Refuse sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER #7933 DR. JAY MARSHAN STATE OF UTAH

Signed

2 March 93
Date

CERTIFICATION REPORT

On 2 March, 1993, an inspection of Castle Valley Resources Wellington Prep Plant, clear water sedimentation pond revealed the following:

A. The pond has been constructed and maintained in accordance with the approved plan.

B. The pond's dam appeared sound with no signs of instability or hazardous conditions.

C. The water elevation was dry feet. The water depth was less than ~~2~~ dry feet.

D. The existing storage capacity is 185 acre-feet which is greater than the N/A acre-feet required by the approved plan.

E. Pond is inspected quarterly for structural problems.

Based on this field inspection clear water sedimentation pond has been certified as required by R614-301-514.310 through R614-301-514.313. A "Certification of Maintenance of Dams and Embankments" is attached.

REGISTERED PROFESSIONAL ENGINEER #7933 JAY MARSHALL STATE OF UTAH

By Jay Marshall
Signed

2 March 93
Date

QUARTERLY REFUSE PILE INSPECTION CERTIFICATIONS

The refuse piles at Wellington have been done by a qualified professional engineer. These inspections have been incorporated into the 1992 quarterly reports and are shown on the following pages.

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	Pile ID#
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER
R. JAY MARSHALL
STATE OF UTAH

R. J. Marshall
R. J. Marshall #7993
Chief Engineer
Genwal Coal Company

March 29 93
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	Pile ID#
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER #7933 R. J. MARSHALL STATE OF UTAH

R.J. Marshall
Chief Engineer
Genwal Coal Company

6/30/93
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	**Pile ID#**
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

REGISTERED PROFESSIONAL ENGINEER #7933 R. J. MARSHALL STATE OF UTAH

R.J. Marshall
Chief Engineer
Genwal Coal Company

9/30/93
Date

cc: L.W. Johnson

Castle Valley Resources, Inc.
P.O. Box 1282
Huntington, Utah 84528

MSHA I.D. #42-00099

Coal Refuse Piles

Quarterly Report

SITE NAME: Wellington Preparation Plant

Refuse Pile	**Pile ID#**
Pond Refuse Pile	1211-UT-09-00099-05
Plant Refuse Pile	1211-UT-09-00099-01

Water impounding against toe: None

Fires on piles: None

Seepage, cracks, erosion problems or any other comments pertaining to the stability of the pile: No significant erosion problems noted at this time. Facilities appear to be stable.

I do hereby certify that all work and maintenance performed on the above refuse piles were done according to the approved design and plans.

R. Jay Marshall

R. Jay Marshall
Chief Engineer
General Coal Company

12/7/93
Date

REGISTERED PROFESSIONAL ENGINEER
No. 7933
R. JAY MARSHALL
12/7/93
STATE OF UTAH

cc: L.W. Johnson

PROFIT CORPORATION ANNUAL REPORT

The following information is on file in this office. All profit corporations must file their annual reports and corrections within the month of their anniversary date. Failure to do so will result in dissolution of the corporate charter.

THIS BOX MUST BE COMPLETED

CORPORATE NAME, REGISTERED AGENT, REGISTERED OFFICE, CITY, STATE & ZIP

MAKE ALL CORRECTIONS IN THIS COLUMN

CORPORATION # 140750
F 12/28/88

1. CASTLE VALLEY RESOURCES, INC.
2. JON PASSIC
3. 105 W 100 N PO 1282
4. HUNTINGON UT 84528

Post Office Box 1420

Huntington UTAH 84528

5. INCORPORATED IN THE STATE AND UNDER THE LAWS OF NEVADA

6. ADDRESS OF THE PRINCIPAL OFFICE IN THE HOME STATE.

7. BUSINESS PURPOSE: COAL MINING SERVICES

OFFICERS (DOMESTIC PROFIT CORPORATIONS ARE REQUIRED TO LIST 4 CORPORATE OFFICERS)

8. PRESIDENT CHARLES F. VAUGHN
ADDRESS 6226 W. SAHARA AVE.
CITY, STATE & ZIP LAS VEGAS, NV 89102

8. Charles A. Lenzie
6226 W. Sahara Ave
Las Vegas, Nevada 89102

9. VICE PRESIDENT JON PASSIC 105 WEST 100 N
ADDRESS ORTH
CITY, STATE & ZIP HUNTINGTON UT 84528

9. Jon Passi:
2835 S. Jones, Suite 5
Las Vegas, Nevada 89102

10. SECRETARY RICHARD L. HINKLEY
ADDRESS 6226 W SAHARA AVE
CITY, STATE & ZIP LAS VEGAS NV 89102

10.

11. TREASURER DENISE WOOD
ADDRESS 2835 S JONES ST
CITY, STATE & ZIP LAS VEGAS NV 89102

11. Steven W. Rigazio
6226 W. Sahara Ave
Las Vegas, Nev 89102

DIRECTORS (If you have less than 4 directors, you may list less than 3 directors.)

12. DIRECTOR CHARLES A. LENZIE
ADDRESS 6226 W. SAHARA AVE.
CITY, STATE & ZIP LAS VEGAS, NV 89102

12.

13. DIRECTOR JAMES HOLCOMBE
ADDRESS 6226 W. SAHARA AVE.
CITY, STATE & ZIP LAS VEGAS, NV 89102

13.

14. DIRECTOR CHARLIE F. VAUGHN
ADDRESS 6226 W. SAHARA AVE.
CITY, STATE & ZIP LAS VEGAS, NV 89102

14. Resigned

Under penalties of perjury and as an authorized officer, I declare that this annual report and, if applicable, the statement change of registered office and/or agent, has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete.

15. BY

16.

17. 18.

IF THERE ARE NO CHANGES FROM THE PREVIOUS YEAR, PLEASE DETACH THE COUPON BELOW AND RETURN IT IN THE ENCLOSED ENVELOPE WITH YOUR PAYMENT. YOU MAY KEEP THE ABOVE REPORT FOR YOUR RECORDS

DO NOT WRITE ON THE COUPON. MAKE ALL CORRECTIONS ON THE FORM ABOVE.
NOTE: PLEASE DO NOT FOLD THIS COUPON

CORPORATION NUMBER: 140750

CORPORATION NAME: CASTLE VALLEY RESOURCES, INC.
JON PASSIC
105 W 100 N PO 1282
HUNTINGON UT 84528

DATE DUE: 12/31/93

AMOUNT DUE: $15.00

IF AFTER DUE DATE: $25.00

J50700080006705000000001041407500000000000000000150017

UTAH DEPARTMENT OF COMMERCE
SALT LAKE CITY, UTAH 84139

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State of Utah

For information call:
(801) 530-4849

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To Jay | From Denise
Co. | Co.
Dept. | Phone #
Fax # | Fax #

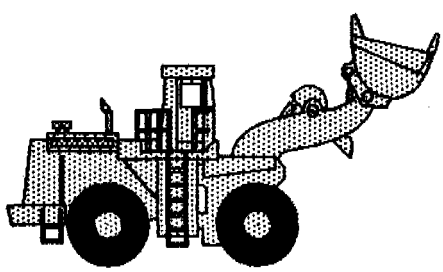
CASTLE VALLEY RESOURCES

ANNUAL REPORT 1992

ACT 007-012

CASTLE VALLEY RESOURCES
P.O. BOX 1282
HUNTINGTON, UTAH 84528

ANNUAL REPORT - 1992
ACT 007-012



COAL MINING AND RECLAMATION OPERATIONS FOR 1992

(Must be submitted to the Division by March 31, 1993)

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

RECEIVED
MAR 29 1993
DIVISION OF
OIL GAS & MINING

Permittee: CASTLE VALLEY RESOURCES

Mine Name: WELLINGTON PREP PLANT

Mailing Address: P.O. BOX 1282, HUNTINGTON, UTAH 84528

Company Representative: LARRY W. JOHNSON

Resident Agent: R. JAY MARSHALL

Permit Number: ACT-007-012

MSHA ID Number: 4200099

Date of Initial Permanent Program Permit: 12/10/84 (U.S. STEEL)

Date of Permit Renewal: 12/10/89 (GENWAL COAL COMPANY)
12/5/91 (TRANSFERRED TO CVR)

Quantity of Coal Mined (tonnage) 1992: NO COAL IS MINED AT THIS SITE

Attach Updated Mine Sequence Map(s) showing mine development through December 31, 1992. (Same as Lease Royalty Payment Map and/or MSHA Progress Map)

All monitoring activities during the report period to be submitted with this report (including, but not limited to):

A. Summarized Water Monitoring Data:

1. **List of monitoring points and their locations and respective frequencies of monitoring (monthly, quarterly, etc.) as approved in the PAP;**
2. **UPDES permit number, UPDES discharge points and their locations;**
3. **Summary of findings based on water monitoring during 1992; and**
4. **Submit water monitoring as database files (ASCII, Lotus, dBase, etc.) (Please contact Ken Wyatt if you have any questions).**

B. Precipitation or Other Climatological Data (please submit as database files: ASCII, Lotus, dBase, etc.-- Contact Ken Wyatt if you have any questions).

C. Subsidence Monitoring Report:

1. Brief description of monitoring system (monuments or aerial surveys, how monitoring is done, how frequently monitoring is done);
2. List of all monitoring points (if any) and their locations and amount of displacement of each;
3. Map showing either monitoring points (if any) or a representation of subsidence which has occurred; and
4. Any owners and/or occupants of surface property and structures above the underground workings who were or will be mailed notification six months prior to mining (R645-301-525.300).

D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final):

1. Test plot monitoring data or implementation;
2. Quantitative results from interim or final seeding efforts;
3. If quantitative monitoring was not required, then at minimum, a qualitative description of the interim or final vegetation; and
4. Describe any seeding done on site during the current year.

E. Annual Impoundment Certification, (R645-301-514.312) which includes the following information:

1. Any appearances of instability;
2. Structural weakness or other hazardous conditions;
3. Depth and elevation of any impounded waters;
4. Existing storage capacity;
5. Any existing or required monitoring procedures and instrumentation; and
6. Any other aspects of the structure affecting stability.

Suggested form enclosed

F. Annual Overburden, Spoil, Refuse, Roof, Floor, and Mid-Seam Data. For Consistency and completeness, please submit data for this reporting requirement in the following manner:

1. Location of sample site, sample interval, and sample matrix (if roof or floor, then include lithologic unit and if coal, then thickness of seam at sample site);
2. Sampling technique employed in the field (i.e., grab sample, composite, depth segregated or specific procedure outlined in the permit by chapter and page) and preparation prior to analysis (i.e., sieved sample, ground sample, air dried, oven dried, etc.);
3. Laboratory analysis report sheet which includes:
   i. Sample time and date;
   ii. Date and time of lab analysis; and
   iii. Analytical method(s) employed and references. Include the soil/spoil: water ratio.
4. Summary of findings based on monitoring.

G. A current copy of the annual report of officers submitted to the Department of Commerce and any changes in the ownership and control information required under R645-301-110.

H. Any Other Information Required to be Submitted as Specified in your Permit Application Package and Permit.

1 WATER MONITORING

2 CLIMATOLOGICAL DATA

3 SUBSIDENCE MONITORING

4 VEGETATION DATA

5 IMPOUNDMENT CERTIFICATION

6 SAMPLE DATA

7 MISCELLANEOUS

8

9

10

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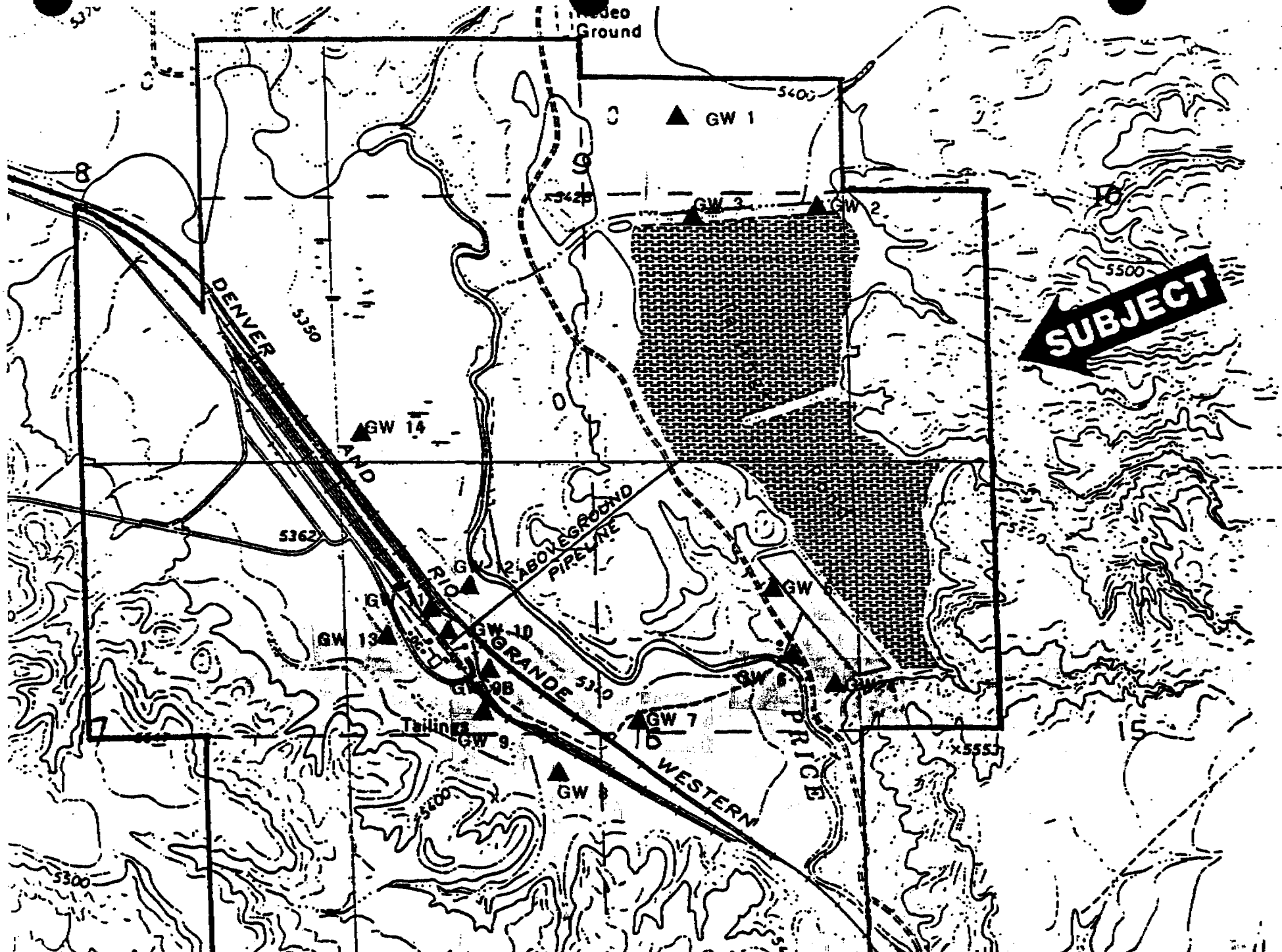
WATER MONITORING DATA

Sample Locations

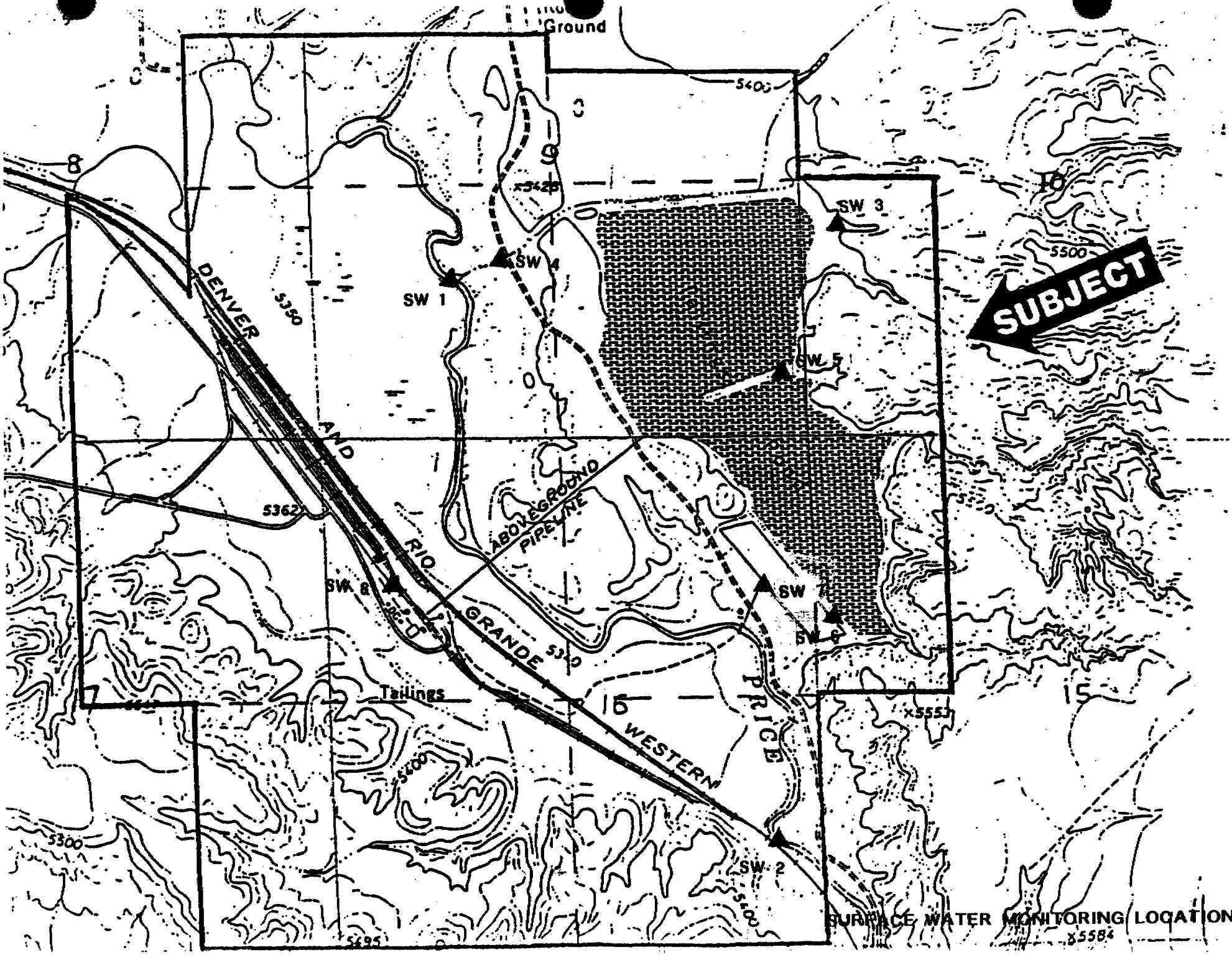
Surface and groundwater are monitored on a quarterly basis from several locations at the Wellington site. The sample numbers and locations that correlate with the permit application package are listed below:

Table 1: Water Sample Numbers

SURFACE	GROUND
SW-1	GW-1
SW-2	GW-2
SW-3	GW-3
SW-4	GW-4
SW-5	GW-5
SW-6	GW-6
SW-7	GW-7
SW-8	GW-8
	GW-9
	GW-9B
	GW-10
	GW-11
	GW-12
	GW-13
	GW-14



GROUND WATER MONITORING LOCATIO



SURFACE WATER MONITORING LOCATION

SUMMARIZED WATER MONITORING DATA

The following section is a summary of the quarterly water monitoring results. This data includes results from field measurements and laboratory analysis of ground and surface water sampling.

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-1
Location: Upper Price River
Type: Stream
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/29/92	12/04/92	Mean
Flow [CFS]	N/A	>10	1.25	>10	1.25
PH	7.17	8.70	8.80	7.80	8.12
Sp. Cond. [ohms]	2,100.00	2,400.00	2,500.00	1,640.00	2,160.00
Temp. [F]	49.10	73.00	64.00	38.00	56.03
Diss. O [ppm]	11.00	8.00	9.00	7.00	8.75
Lab. Meas. [mg/l]					
Al as HCO3	324.00	316.00	522.00	390.00	388.00
Al as C03	0.00	13.00	0.00	0.00	3.25
Al Total		272.00	428.00	320.00	340.00
Anions [meg/l]	28.40	43.24	45.45	25.14	35.56
Calcium	206.00	218.90	245.10	255.00	231.25
Cations [meg/l]	36.40	39.38	39.25	29.45	36.12
Chloride	68.00	80.00	125.00	75.00	87.00
Hard. Total	1,150.00	1,107.00	1,326.00	1,035.00	1,154.50
Iron	0.66	0.26	3.50	0.69	1.28
Magnesium	142.00	136.10	173.50	96.80	137.10
Manganese	0.17	0.00	0.23	0.20	0.15
Potassium	8.97	1.52	35.91	6.07	13.12
Sodium	328.00	400.80	275.30	200.00	301.03
Sol. Set.	0.10	0.00	0.00	0.00	0.03
Sol. Tot. Diss.	2,120.00	1,660.00	2,900.00	1,540.00	2,055.00
Sol. Tot. Sus.	780.00	16.00	57.00	93.00	236.50
Sulfate	1,020.00	1,700.00	1,600.00	800.00	1,280.00
Oil and Grease	<2.00			0.00	0.00
Cat/An Balance				7.89	7.89

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-2
Location: Lower Price River
Type: Stream
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Flow [cfs]	22.70	20.60	1.37	10.20	13.72
PH	7.16	8.70	8.70	7.40	7.99
Sp. Cond. [ohms]	1,700.00	2,400.00	1,940.00	1,740.00	1,945.00
Temp. [F]	47.12	70.10	61.00	36.00	53.56
Diss. O [ppm]	11.00	8.00	9.00	7.00	8.75
Lab. Meas. [mg/l]					
Al as HCO3	325.00	318.00	341.00	375.00	339.75
Al as C03	0.00	12.00	0.00	0.00	3.00
Al Total		273.00	280.00	308.00	287.00
Anions	34.00	41.30	43.26	23.23	35.45
Calcium	202.00	195.60	250.50	250.00	224.53
Cations	34.20	38.64	36.31	21.94	32.77
Chloride	65.40	85.00	150.00	90.00	97.60
Hard. Total	1,150.00	1,053.00	1,198.00	1,019.00	1,105.00
Iron	0.58	0.69	0.61	0.18	0.52
Magnesium	142.00	137.10	139.00	95.80	128.48
Manganese	0.16	0.10	0.12	0.75	0.28
Potassium	8.80	2.52	4.37	4.92	5.15
Sodium	282.00	408.10	285.50	33.80	252.35
Sol. Set.	0.10	0.00	0.00	0.00	0.03
Sol. Tot. Diss.	2,290.00	1,640.00	2,440.00	1,540.00	1,977.50
Sol. Tot. Sus.	64.00	87.00	80.00	91.00	80.50
Sulfate	1,290.00	1,600.00	1,600.00	700.00	1,297.50
Cat/An Balance			8.72	-2.84	2.94
Iron, Diss.			0.26	0.00	0.13
Oil & Grease	<2	0.40	0.00	0.00	0.13

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-3
Location: Diver. Ditch Upstream
Type: Ditch
Frequency: Quarterly

Field Measurements	Date Sampled 03/0/893	06/16/92	09/28/92	12/04/92	Mean
Flow [gpm]	DRY	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions					
Calcium					
Cations					
Chloride					
Hard. Total					
Iron					
Magnesium					
Manganese					
Potassium					
Sodium					
Sol. Set.					
Sol. Tot. Diss.					
Sulfate					
Mn					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-4
Location: Diver. Ditch Downstream
Type: Ditch
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Flow [gpm]	DRY	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions					
Calcium					
Cations					
Chloride					
Hard. Total					
Iron					
Magnesium					
Manganese					
Potassium					
Sodium					
Sol. Set.					
Sol. Tot. Diss.					
Sol. Tot. Sus.					
Sulfate					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-5
Location: Upper Refuse Pond
Type: Pond
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Flow [gpm]	DRY	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions					
Calcium					
Cations					
Chloride					
Hard. Total					
Iron					
Magnesium					
Manganese					
Potassium					
Sodium					
Sol. Set.					
Sol. Tot. Diss.					
Sol. Tot. Sus.					
Sulfate					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-6
Location: Lower Refuse Pond
Type: Pond
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Flow [gpm]	DRY	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions					
Calcium					
Cations					
Chloride					
Hard. Total					
Iron					
Magnesium					
Manganese					
Potassium					
Sodium					
Sol. Set.					
Sol. Tot. Diss.					
Sol. Tot. Sus					
Sulfate					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-7
Location: Clearwater Pond
Type: Pond
Frequency: Quarterly

Field Measurements	Date Sampled 03/-8/92	06/16/92	09/28/92	12/04/92	Mean
Flow [gpm]	DRY	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions					
Calcium					
Cations					
Chloride					
Hard. Total					
Iron					
Magnesium					
Manganese					
Potassium					
Sodium					
Sol. Set.					
Sol. Tot. Diss.					
Sol. Tot. Sus.					
Sulfate					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: SW-8
Location: Coarse Refuse Pile
Type:
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Flow [gpm]	DRY	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions					
Calcium					
Cations					
Chloride					
Hard. Total					
Iron					
Magnesium					
Manganese					
Potassium					
Sodium					
Sol Set.					
Sol. Tot. Diss.					
Sol. Tot. Sus.					
Sulfate					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-1
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Depth [fs]	15.10	17.00	16.00	14.00	15.53
PH	7.10	6.73	6.98	7.20	7.00
Sp. Cond. [ohms]	2,400.00	5,380.00	5,000.00	4,000.00	4,195.00
Temp. [F]	10.20	59.20	78.00	34.00	45.35
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	481.00	592.00	610.00	1,268.00	737.75
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		486.00	500.00	1,040.00	675.33
Anions [meq/l]		68.14	70.23	126.54	88.30
Calcium	1,710.00	587.00	872.30	2,029.00	1,299.58
Cations [meq/l]		74.34	78.99	147.60	100.31
Chloride	60.40	70.00	60.00	45.00	58.85
Hard. Total	3,150.00	2,599.00	3,141.00	6,331.00	3,805.25
Iron	1.88	51.32	20.10	19.41	23.18
Magnesium	391.00	275.20	233.90	307.00	301.78
Manganese	2.84	2.12	1.02	1.64	1.91
Potassium	7.03	16.78	15.79	85.40	31.25
Sodium	553.00	511.40	367.00	436.20	466.90
Sol. Tot. Diss.	4,230.00	3,560.00	3,200.00	3,570.00	3,640.00
Sulfate	2,510.00	2,700.00	2,800.00	5,000.00	3,252.50
Cat/An. Balance				7.41	7.41

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-2
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Flow [gpm]	DRY	DRY	N/A	NO FLOW	
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions					
Calcium					
Cations					
Chloride					
Hard. Total					
Iron					
Magnesium					
Manganese					
Potassium					
Sodium					
Sol. Tot. Diss.					
Sulfate					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-3
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Depth [fs]	19.80	20.00	15.70	18.00	18.38
PH	6.62	7.22	7.40	7.50	7.19
Sp. Cond. [ohms]	43,000.00	<20,000	<20,000	6,000.00	24,500.00
Temp. [F]	51.98	59.30	47.00	42.80	50.27
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	1,030.00	1,312.00	1,389.00	1,293.00	1,256.00
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		1,076.00	1,139.00	1,060.00	1,091.67
Anions [meq/l]		1,830.40	949.15	107.61	962.39
Calcium	546.00	669.80	850.00	2,101.00	1,041.70
Cations [meq/l]		1,788.40	1,031.00	216.20	1,011.87
Chloride	3,200.00	3,125.00	3,105.00	3,105.00	3,133.75
Hard. Total	43,600.00	26,965.00	14,209.00	5,625.00	22,599.75
Iron	7.32	30.89	43.66	9.16	22.76
Magnesium	10,300.00	6,142.00	2,935.00	92.00	4,867.25
Manganese	0.30	2.55	0.69	2.24	1.45
Potassium	121.00	161.80	163.50	34.67	120.24
Sodium	99,000.00	29,980.00	17,400.00	30,280.00	44,165.00
Sol. Tot. Diss.	130,000.00	116,020.00	131,262.00	136,160.00	128,360.50
Sulfate	75,600.00	80,000.00	40,000.00	103,191.00	65,200.00
Cat/An Balance			-4.15	-2.52	-3.34
Iron, Diss.	7.32		0.80		4.06

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-4
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Depth [fs]	8.60	9.00	6.60	9.33	8.38
PH	6.90	6.86	7.20	8.00	7.24
Sp. Cond. [ohms]	3,200.00	7,760.00	14,300.00	6,000.00	7,815.00
Temp. [F]	52.70	63.90	59.00	46.40	55.50
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	452.00	540.00	600.00	634.00	556.50
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		443.00	492.00	520.00	485.00
Anions [meq/l]		85.36	77.49	93.16	85.34
Calcium	358.00	460.50	689.40	578.70	521.65
Cations [meq/l]		83.94	68.38	86.92	79.75
Chloride	113.00	115.00	100.00	115.00	110.75
Hard. Total	2,750.00	2,085.00	2,541.00	2,540.00	2,479.00
Iron	4.01	0.24	34.10	9.56	11.98
Magnesium	205.00	227.10	198.90	266.00	224.25
Manganese	0.32	4.01	0.75	0.45	1.38
Potassium	8.89	2.58	38.69	20.45	17.65
Sodium	1,036.00	982.10	385.90	828.80	808.20
Sol. Tot. Diss.	6,720.00	4,400.00	4,890.00	4,050.00	5,015.00
Sulfate	3,600.00	3,500.00	3,100.00	3,800.00	3,500.00
Cat/An Balance			-6.25	-3.46	-4.86
Iron, Diss.			0.80		0.80

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-5
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/04/92	Mean
Depth [fs]	DRY	DRY	DRY	DRY	DRY
PH					
Sp. Cond. [ohms]					
Temp. [F]					
Diss. O [ppm]					
Lab. Meas. [mg/l]					
Al as HCO3					
Al as C03					
Al Total					
Anions meg/l					
Calcium					
Cations meg/l					
Chloride					
Hard. Total					
Iron					
Magnesium					
manganese					
Potassium					
Sodium					
Sol. Tot. Diss.					
Sulfate					

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-6
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	7.50	8.50	15.00	7.33	9.58
PH	6.93	6.97	7.00	7.10	7.00
Sp. Cond. [ohms]	3,000.00	6,830.00	7,000.00	3,800.00	5,157.50
Temp. [F]	50.72	66.30	54.00	42.80	53.46
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	496.00	527.00	625.00	486.00	533.50
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		432.00	513.00	399.00	448.00
Anions meg/l		73.80	66.84	75.26	71.97
Calcium	3,170.00	351.60	594.30	450.60	1,141.63
Cations meg/l		76.50	70.74	76.50	74.58
Chloride	98.20	85.00	80.00	85.00	87.05
Hard. Total	2,500.00	1,895.00	2,526.00	2,266.00	2,296.75
Iron	0.86	1.98	6.70	12.15	5.42
Magnesium	999.00	246.90	253.00	277.00	443.98
Manganese	0.88	0.56	1.11	0.69	0.81
Potassium	9.41	1.95	14.06	6.51	7.98
Sodium	858.00	898.20	463.10	723.00	735.58
Sol. Tot. Diss.	4,720.00	3,780.00	4,740.00	4,513.00	4,438.25
Sulfate	3,120.00	3,000.00	2,600.00	3,100.00	2,955.00
Cat/An. Balance				0.82	0.82

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-8
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	27.30	29.40	28.50	27.00	28.05
PH	6.60	7.42	7.40	7.60	7.26
Sp. Cond. [ohms]	6,900.00	16,000.00	16,008.00	2,800.00	10,427.00
Temp. [F]	52.70	61.20	61.00	42.80	54.43
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al HCO3	889.00	791.00	1,013.00	943.00	909.00
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		649.00	831.00	773.00	751.00
Anions meg/l		167.78	150.18	149.61	155.86
Calcium	366.00	430.40	425.80	510.70	433.23
Cations meg/l		164.20	123.86	169.38	152.48
Chloride	1,020.00	1,040.00	1,035.00	1,055.00	1,037.50
Hard. Total	1,100.00	3,059.00	2,580.00	3,948.00	2,671.75
Iron	4.31	2.37	4.66	0.22	2.89
Magnesium	720.00	481.90	368.30	649.00	554.80
Manganese	0.18	0.02	0.09	0.01	0.08
Potassium	11.90	13.32	0.00	14.28	9.88
Sodium	209.00	2,391.00	1,683.00	2,099.00	1,595.50
Sol. Tot. Diss.	12,100.00	9,120.00	10,580.00	10,989.00	10,697.25
Sulfate	6,600.00	6,000.00	5,000.00	5,000.00	5,650.00
Iron, Diss.			0.31		0.31
Cat/An Balance			9.60	6.19	7.90

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-9
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	15.50	15.60	10.00	9.00	12.53
PH	6.62	6.90	7.00	7.50	7.01
Sp. Cond. [ohms]	8,300.00	17,650.00	17,890.00	2,000.00	11,460.00
Temp. [F]	53.42	68.50	64.00	42.80	57.18
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	631.00	793.00	703.00	165.00	573.00
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		650.00	577.00	136.00	454.33
Anions meg/l		178.71	154.89	37.37	123.66
Calcium	817.00	669.80	682.50	166.37	583.92
Cations meg/l		197.06	134.69	44.68	125.48
Chloride	909.00	680.00	630.00	115.00	583.50
Hard. Total	2,500.00	3,460.00	3,235.00	509.00	2,426.00
Iron	28.60	45.80	6.11	2.40	20.73
Magnesium	1,320.00	434.00	371.70	22.43	537.03
Manganese	1.76	2.26	1.70	0.55	1.57
Potassium	9.09	15.56	6.39	3.15	8.55
Sodium	2,920.00	2,967.00	1,626.00	800.40	2,078.35
Sol. Tot. Diss.	15,500.00	11,250.00	10,764.00	1,801.00	9,828.75
Sulfate	9,670.00	7,000.00	6,000.00	1,500.00	6,042.50
Cat/An Balance			6.83	8.92	7.88

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-9B
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	13.70	15.40	15.40	14.00	14.63
PH	6.92	6.83	7.00	7.20	6.99
Sp. Cond. [ohms]	5,000.00	13,320.00	13,000.00	6,800.00	9,530.00
Temp. [F]	55.40	64.30	52.00	42.80	53.63
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	612.00	701.00	789.00	889.00	747.75
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		575.00	647.00	729.00	650.33
Anions meg/l		148.69	100.68	193.14	147.50
Calcium	541.00	851.50	440.80	2,296.00	1,032.33
Cations meg/l		151.52	100.89	215.69	156.03
Chloride	425.00	410.00	370.00	390.00	398.75
Hard. Total	3,850.00	3,918.00	3,786.00	8,216.00	4,942.50
Iron	7.01	79.40	49.80	49.13	46.34
Magnesium	717.00	435.20	652.00	603.00	601.80
Manganese	2.40	2.84	1.11	4.18	2.63
Potassium	8.06	22.36	13.42	8.86	13.18
Sodium	1,870.00	1,690.00	582.30	1,191.00	1,333.33
Sol. Tot. Diss.	9,590.00	7,320.00	8,860.00	8,776.00	8,636.50
Sulfate	5,440.00	6,000.00	3,700.00	8,000.00	5,785.00
Cat/An Balance			0.10	5.51	2.81
Iron, Diss.			38.40		38.40

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-10
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	11.90	15.00	17.00	15.00	14.73
PH	5.09	7.00	7.00	7.30	6.60
Sp. Cond. [ohms]	6,700.00	11,360.00	11,500.00	6,200.00	8,940.00
Temp. [F]	51.62	60.20	56.00	44.60	53.11
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	475.00	480.00	540.00	406.00	475.25
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		394.00	443.00	333.00	390.00
Anions meg/l		109.88	98.10	89.09	99.02
Calcium	470.00	400.00	696.90	486.60	513.38
Cations meg/l		103.41	96.10	104.89	101.47
Chloride	571.00	275.00	270.00	700.00	454.00
Hard. Total	4,300.00	2,567.00	2,901.00	2,936.00	3,176.00
Iron	20.00	1.01	22.70	14.79	14.63
Magnesium	778.00	380.90	281.90	418.00	464.70
Manganese	0.98	65.40	1.08	1.13	17.15
Potassium	11.00	0.74	11.99	2.34	6.52
Sodium	187.00	1,213.00	879.60	1,075.00	838.65
So. Tot. Diss.	11,300.00	6,390.00	5,780.00	7,198.00	7,667.00
Sulfate	6,930.00	4,500.00	3,900.00	3,000.00	4,582.50
Iron, Diss.			0.23		0.23
Cat/An Balance			1.03	8.14	4.59

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW -11
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	9.30	12.80	13.00	10.00	11.28
PH	4.94	7.24	7.40	7.80	6.85
Sp. Cond. [ohms]	7,500.00	11,460.00	11,500.00	6,800.00	9,315.00
Temp. [F]	53.60	60.00	52.00	46.20	52.95
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	568.00	577.00	602.00	646.00	598.25
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		473.00	502.00	560.00	511.67
Anions meg/l		197.17	246.39	290.64	244.73
Calcium	693.00	515.40	899.80	524.70	658.23
Cations meg/l		185.51	201.53	235.46	207.50
Chloride	999.00	900.00	950.00	990.00	959.75
Hard. Total	5,400.00	3,049.00	3,852.00	4,778.00	4,269.75
Iron	11.10	50.18	9.07	3.85	18.55
Magnesium	1,140.00	428.00	389.80	842.00	699.95
Manganese	0.72	0.72	0.86	0.57	0.72
Potassium	8.70	6.04	15.27	6.71	9.18
Sodium	2,430.00	2,895.00	2,888.00	3,256.00	2,867.25
So. Tot. Diss.	14,200.00	11,480.00	14,040.00	14,414.00	13,533.50
Sulfate	8,700.00	7,750.00	10,000.00	12,000.00	9,612.50
Cat/An Balance			-9.98	-10.30	-10.14
Iron, Diss.			0.20		0.20

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-7
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	11.10	13.00	11.17	13.00	12.07
PH	4.34	7.20	7.00	7.20	6.44
Sp. Cond. [ohms]	2,400.00	5,000.00	17,000.00	3,000.00	6,850.00
Temp. [F]	50.18	61.30	56.00	42.80	52.57
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	354.00	375.00	424.00	424.00	394.25
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		308.00	348.00	348.00	334.67
Anions meg/l		48.85	47.25	61.95	52.68
Calcium	210.00	203.30	269.80	353.30	259.10
Cations meg/l		52.12	48.82	65.43	55.46
Chloride	93.10	105.00	95.00	95.00	97.03
Hard. Total	1,500.00	1,169.00	1,475.00	1,691.00	1,458.75
Iron	12.80	73.80	9.65	5.48	25.43
Magnesium	179.00	160.60	194.60	196.30	182.63
Manganese	0.78	0.74	0.61	0.22	0.59
Potassium	8.68	0.96	0.00	1.36	2.75
Sodium	713.00	668.80	450.50	735.60	641.98
Sol. Tot. Diss.	3,270.00	2,330.00	1,960.00	3,085.00	2,661.25
Sulfate	2,040.00	1,900.00	1,800.00	2,500.00	2,060.00
Iron, Diss.			0.16		0.16
Cat/An Balance			1.64	2.74	2.19

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-12
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	12.50	8.70	7.00	10.00	9.55
PH	4.65	6.93	7.00	7.30	6.47
Sp. Cond. [ohms]	6,400.00	16,450.00	16,500.00	3,200.00	10,637.50
Temp. [F]	48.92	63.20	54.00	44.80	52.73
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R

Lab. Meas. [mg/l]					
Al as HCO3	681.00	796.00	904.00	546.00	731.75
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		653.00	741.00	448.00	614.00
Anions meg/l		179.26	154.31	73.14	135.57
Calcium	529.00	513.00	462.20	238.30	435.63
Cations meg/l		169.10	131.66	68.77	123.18
Chloride	609.00	510.00	495.00	200.00	453.50
Hard. Total	4,750.00	3,373.00	2,703.00	1,727.00	3,138.25
Iron	27.90	37.68	25.65	12.60	25.96
Magnesium	932.00	508.10	376.10	275.00	522.80
Manganese	0.93	0.92	1.33	0.38	0.89
Potassium	13.90	10.08	10.16	5.34	9.87
Sodium	3,130.00	2,361.00	1,801.00	794.50	2,021.63
So. Tot. Diss.	12,400.00	10,200.00	10,730.00	3,973.00	9,325.75
Sulfate	7,580.00	7,250.00	6,000.00	2,800.00	5,907.50
Iron, Diss.			0.20		0.20
Cat/An Balance			7.92	-3.07	2.43

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-13
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	24.55	26.00	24.00	DRY	24.85
PH	6.89	6.88	7.00		6.92
Sp. Cond. [ohms]	9,200.00	20,000.00	18,000.00		15,733.33
Temp. [F]	54.86	61.50	62.00		59.45
Diss. O [ppm]	N/R	N/R	N/R		N/R

Lab. Meas. [mg/l]					
Al as HCO3	679.00	590.00	1,177.00		815.33
Al as C03	0.00	0.00	0.00		0.00
Al Total		484.00	965.00		724.50
Anions meg/l		314.08	301.34		307.71
Calcium	518.00	545.00	1,030.00		697.67
Cations meg/l		276.53	279.55		278.04
Chloride	367.00	380.00	340.00		362.33
Hard. Total	3,600.00	3,568.00	4,627.00		3,931.67
Iron	0.16	5.49	92.58		32.74
Magnesium	564.00	536.00	499.00		533.00
Manganese	0.39	0.52	4.16		1.69
Potassium	34.30	48.13	176.70		86.38
Sodium	20,900.00	4,746.00	4,245.00		9,963.67
So. Tot. Diss.	15,600.00	12,670.00	14,680.00		14,316.67
Sulfate	8,540.00	14,000.00	13,000.00		11,846.67
Cat/An Balance			-3.75		-3.75
Iron, Diss.			73.20		73.20

WATER MONITORING REPORT

Property: Castle Valley Resources
Station: GW-14
Location: Wellington Prep Plant
Type: Well
Frequency: Quarterly

Field Measurements	Date Sampled 03/08/92	06/16/92	09/28/92	12/07/92	Mean
Depth [fs]	15.10	11.10	9.00	12.00	11.80
PH	4.85	6.89	6.90	7.40	6.51
Sp. Cond. [ohms]	4,800.00	11,100.00	11,800.00	7,900.00	8,900.00
Temp. [F]	50.54	60.30	59.00	42.80	53.16
Diss. O [ppm]	N/R	N/R	N/R	N/R	N/R
Lab. Meas. [mg/l]					
Al as HCO3	657.00	746.00	799.00	730.00	733.00
Al as C03	0.00	0.00	0.00	0.00	0.00
Al Total		612.00	655.00	603.00	623.33
Anions meg/l		119.73	94.95	186.20	133.63
Calcium	493.00	382.20	384.80	450.00	427.50
Cations meg/l		113.83	86.73	132.32	110.96
Chloride	307.00	250.00	235.00	230.00	255.50
Hard. Total	3,800.00	2,602.00	2,455.00	3,249.00	3,026.50
Iron	8.42	89.70	16.10	2.21	29.11
Magnesium	605.00	400.00	362.80	516.00	470.95
Manganese	1.18	1.40	1.40	1.14	1.28
Potassium	13.70	9.94	10.24	1,200.00	308.47
Sodium	1,580.00	1,434.00	871.60	1,542.00	1,356.90
So. Tot. Diss.	8,860.00	6,010.00	7,570.00	7,631.00	7,517.75
Sulfate	5,390.00	4,800.00	3,600.00	8,000.00	5,447.50
Iron, Diss.			0.25		0.25
Cat/An Balance			4.52	-6.83	-1.16

4-F-6-1-2

State of Utah
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY

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February 17, 1993

Mr. Candy Manzanares
Castle Valley Resources
P.O. Box 766
Wellington, Utah 84542

RE: General Coal Permit UTG040000

Dear Mr. Manzanares:

Enclosed is a copy of the draft UPDES Permit No. UTG04000, Statement of Basis and Public Notice for your facility.

The conditions of not discharging more than 1 ton of salt per day and not exceeding a monthly average of 25 mg/l total suspended solids is retained from the previous permit.

The following changes are proposed in this permit.

1. Total Iron is limited to 1 mg/l except as provided in a footnote.

2. The use of gypsum for rock dusting has been identified as a source of increased total dissolved solids (TDS). As Best Management Practice, the use of gypsum for rock dust is prohibited after April 30, 1994 unless the permittee adequately demonstrates to the Executive Secretary that gypsum will not significantly increase the TDS.

3. Discharge monitoring reports are to be submitted monthly.

4. The State narrative water quality standard paragraph is included.

5. A stormwater pollution prevention plan is to be developed and implemented.

When the permit is final in March or April, we will notify the permittees that a Notice of Intent is to be submitted within thirty (30) days.

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DISCHARGE INFORMATION

UPDES Permit Number

Castle Valley Resources has a Utah Pollutant Discharge Elimination System permit that was authorized by the State of Utah, Department of Environmental Quality, Division of Water Quality for the Wellington Preparation Plant (UPDES Permit No. UTG040000). A description of the discharge points are addressed below. A copy of the "Authorization to Discharge" and a letter acknowledging the name change (from Genwal to Castle Valley) follows the descriptions below.

Discharge Points: Descriptions & Locations

Discharge Point 001 (Cement culvert coming from Clearwater pond)

Discharge Point 001 is located at approximately 100 degrees 41 minutes 6 seconds east longitude and 39 degrees 31 minutes 22 seconds north latitude. Discharge from this point would be received by the Price River.

As part of the coal washing operations of the previous owners, fine coal refuse was pumped from the coal washing plant to the northern end of the slurry ponds. Waste water went

through a series of two slurry ponds and finally into the clear water pond. Water from the clear water pond was then recycled to the wash plant. Because the clear water pond does have an emergency spillway, it is possible that a larger flash flood could cause the clear water pond to discharge. The ponds are dry now, and it is not intended to reactivate them for coal washing at the present time. There is still the remote possibility that a massive flash flood could refill the ponds and cause a discharge over the emergency spillway.

The existing pond system was designed to remove sediment from coal cleaning slurries. It is, therefore, felt that the pond system is already adequate to treat water from a flash flood. Since diversion ditches already reroute most run-off not falling directly onto the pond, contaminants will come from refuse washed from the dry pond bottom or chemicals leached from the waste. While no water from a flash flood large enough to cause a discharge has ever been sampled, samples of water from the clear water pond during and after the cessation of operation of previous owners do exist and are included with the application.

There will be no regular flow from the clear water pond. A flash flood with a re-occurrence interval greater than 25 years would be required to cause a discharge.

Discharge Point 003 (Slurry Pipeline Pond)

Discharge Point 003 is located at approximately 110 degrees 41 minutes 41 seconds longitude by 39 degrees 31 minutes 28 seconds north latitude. Discharge from this point would flow in to the Price River.

When the Wellington Coal Preparation Plant was operated by previous owners as a coal cleaning facility. Coal refuse was pumped through slurry lines to the slurry ponds. During the winter these lines could freeze and break. The previous owners installed a series of rock filters to treat effluent from this source. Because it is not intended at this point to clean coal at Wellington, this slurry line will be empty and there will never be a discharge from this point.

Discharge Point 004 (Heat Dryer Pond)

Discharge Point 004 is located at approximately 110 degrees 41 minutes 42 seconds longitude by 39 degrees 31 minutes 27 seconds north latitude. Water from this point will discharge into the Price River.

A series of two ponds (Auxiliary and Heat Dryer Ponds) were built near the Wellington Coal Cleaning Plant by the previous owners. These ponds were designed to hold a 25-year flash flood

accompanied by the discharge from the plant with a complete power failure. These ponds are now dry and it is not intended to run the Wellington plant for coal cleaning. Still, it is possible that a massive flash flood could refill the ponds and go over the emergency spillway.

The Auxiliary and Heat Dryer ponds are already designed as sediment ponds (new designs are to be submitted to DOGM February 1, and May 1, 1992) and it is proposed that they be used as such for the treatment of flash flood water and run-off from the buildings in the Wellington plant complex. While no flood massive enough to cause discharge has ever been sampled, the water in the Auxiliary Pond was sampled during operation, and as it dried up, after the previous operator shut the plant down.

Discharge from this source should have a re-occurrence interval greater than every 25 years and the magnitude of the discharge will depend on the size of the flood.

Discharge Point 005 (For lower track near bend)

Discharge Point 005 is located at approximately 110 degrees 40 minutes 58 seconds longitude by 39 degrees 30 minutes 56 seconds north latitude. The receiving waters are the Price River.

Most water discharge from this point originates as storm run-off from the undisturbed hills around the Wellington plant. A new sediment pond was implemented as part of coal screening and loading operations of Castle Valley Resources. Water running north off the top of the existing refuse pile is treated and passed through the sediment pond.

The sediment pond was designed to discharge around six cubic feet per minute. This discharge would result from a 10-year flash flood. Otherwise, there will probably be no discharge from the pond. A 25-year flash flood with a wet antecedent moisture condition (which is very abnormal for the area) or a larger flash flood could cause discharge over the emergency spillway and the magnitude of this discharge would depend on the flood. Run-off or seepage from the pile into the ditch could occur with any significant precipitation event. Because this discharge point handles water from disturbed and undisturbed ground and drains a watershed of over 350 acres, there will be some kind of discharge at this point during most significant precipitation events.

Discharge Point 006 (Upper track near main line)

Discharge Point 006 is located approximately at 100 degrees 42 minutes and 15 seconds longitude by 30 degrees 31 minutes 52 seconds north latitude. The receiving waters are the Price River.

In the early 1980's Utah Power and Light (UP&L) leased ground just north of the Wellington coal cleaning plant for use as a staging area. Materials once stored there have been removed but a few roads remain. It is not intended to further disturb this area at this time, though a flood train loading facility may be built there in the future. Run-off from this area has never been tested, and attempts to take samples during the next storm large enough to create run-off are planned. Because a complete list of materials stored at the site is not available and this run-off has never been tested; this point is being included until run-off is proven harmless.

No treatment is proposed at this point unless a hazard or contaminant from UP&L's previous operation is found. Except for a few remaining dirt roads, this country is undisturbed and run-off is just the natural run-off from the land.

Discharge Point 007 (Above track hopper near main line)

Discharge Point 007 is located at about 110 degrees 42 minutes longitude by 39 degrees 31 minutes 35 seconds north latitude. The receiving waters are the Price River. Potential flows and contaminants at this discharge point are the same as 006 and sampling is planned.

Discharge Point 008 (Big ditch across river along top soil pile)

Discharge Point 008 is located at about 110 degrees 41 minutes 43 seconds west longitude by 39 degrees 31 minutes 56 seconds north latitude. The receiving waters are the Price River.

Previous operators discharge coal as slurries into slurry ponds shown on the map. Water can seep from these ponds and mix with water diverted through ditches from undisturbed ground. When the Wellington plant was operated for coal cleaning and the ponds were partially filled, seepage could be of both rain water falling on the ponds or process water from the ponds. Since it is not intended at this point to clean coal at Wellington, any contamination will come from rain water leaching coal refuse and seeping into the ditch.

The flow in the ditch will be mostly diverted storm run-off from undisturbed ground. Seepage should be small although difficult to quantify for these conditions. Since the water is already being diverted from disturbed ground, no further treatment is planned unless analyses show problems requiring remediation.

FEB.

COAL SYSTEM, INC.
WELLINGTON PREPERATION PLANT

DISCHARGE WATER MONITORING

LOCATION	SAMPLE NO.	DATE	TIME	SAMPLER	TEMP (C)	FLOW (GPM)	pH	COMMENTS
EMERGENCY SPILLWAY & SEEPAGE	DW 001	2-28	3:00 PM	HA				DRY
CEMENT FLUME-PUMP HOUSE	DW 002	2-28	3:10 PM	HA				LITTLE SEEPAGE
PIPELINE - SLURRY POND	DW 003	2-28	3:15 PM	HA				DRY
HEAT DRIER DISCHARGE	DW 004	2-28	3:30 PM	HA				DRY
DISCHG TO PRICE RIVER-CULVERT	DW 005	2-28	3:20 PM	HA				DRY
CULVERT UNDER RR/HEAD OF YARD	DW 006	2-28	3:25 PM	HA				DRY
CULVERT UNDER RR/NW OF HOPPER	DW 007	2-28	3:32 PM	HA				DRY
N. POND SEEPAGE	DW 008	2-28	3:18 PM	HA				DRY

NE033629

COAL SYSTEM, INC.
WELLINGTON PREPERATION PLANT

DISCHARGE WATER MONITORING

LOCATION	SAMPLE NO.	DATE	TIME	SAMPLER	TEMP (C)	FLOW (GPM)	pH	COMMENTS
EMERGENCY SPILLWAY & SEEPAGE	DW 001	3-24	8:00 AM	HA				DRY
CEMENT FLUME-PUMP HOUSE	DW 002	3-24	8:05	HA				Little Seepage
PIPELINE - SLURRY POND	DW 003	3-24	9:15	HA				DRY
HEAT DRIER DISCHARGE	DW 004	3-24	8:25	HA				DRY
DISCHG TO PRICE RIVER-CULVERT	DW 005	3-24	8:35	HA				DRY
CULVERT UNDER RR/HEAD OF YARD	DW 006	3-24	8:45	HA				DRY
CULVERT UNDER RR/NW OF HOPPER	DW 007	3-24	8:55	HA				DRY
N. POND SEEPAGE	DW 008	3-24	9:10	HA				DRY

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DISCHARGE WATER MONITORING

LOCATION	SAMPLE NO.	DATE	TIME	SAMPLER	TEMP (C)	FLOW (GPM)	pH	COMMENTS
EMERGENCY SPILLWAY & SEEPAGE	DW 001	4-22	1:20	HA				Dry
CEMENT FLUME-PUMP HOUSE	DW 002	4-22	1:25	HA				Little Seepage
PIPELINE - SLURRY POND	DW 003	4-22	1:30	HA				Dry
HEAT DRIER DISCHARGE	DW 004	4-22	1:40	HA				Dry
DISCHG TO PRICE RIVER-CULVERT	DW 005	4-22	1:45	HA				Dry
CULVERT UNDER RR/HEAD OF YARD	DW 006	4-22	1:55	HA				Dry
CULVERT UNDER RR/NW OF HOPPER	DW 007	4-22	2:05	HA				Dry
N. POND SEEPAGE	DW 008	4-22	2:15	HA				Dry

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DISCHARGE WATER MONITORING

CATION	SAMPLE NO.	DATE	TIME	SAMPLER	TEMP (C)	FLOW (GPM)	pH	COMMENTS
ERGENCY SPILLWAY & SEEPAGE	DW 001	5-26-92	8:10A	CM				DRY
HENT FLUME-PUMP HOUSE	DW 002	5-26-92	8:25A	CM				Little Seepage
PELINE - SLURRY POND	DW 003	5-26-92	8:40A	CM				DRY
		5-26-92	10:10A	CM				
AT DRIER DISCHARGE	DW 004	↓	✓	✓				DRY
SCHG TO PRICE RIVER-CULVERT	DW 005	5-26-92	9:05A	CM				DRY
LVERT UNDER RR/HEAD OF YARD	DW 006	5-26-92	10:40A	CM				DRY
ULVERT UNDER RR/NW OF HOPPER	DW 007	5-26-92	10:25A	CM				DRY
POND SEEPAGE	DW 008	5-26-92	9:20A	CM				DRY

NE033620

COAL SYSTEM, INC.
WELLINGTON PREPERATION PLANT

DISCHARGE WATER MONITORING

LOCATION	SAMPLE NO.	DATE	TIME	SAMPLER	TEMP (C)	FLOW (GPM)	pH	COMMENTS
EMERGENCY SPILLWAY & SEEPAGE	DW 001	6-17-92	8:10A	CM				DRY
CEMENT FLUME-PUMP HOUSE	DW 002	6-17-92	8:20A	CM				Little Seepage
PIPELINE - SLURRY POND	DW 003	6-17-92	8:45	CM				DRY
HEAT DRIER DISCHARGE	DW 004	6-17-92	10:05A	CM				DRY
DISCHG TO PRICE RIVER-CULVERT	DW 005	6-17-92	9:05A	CM				DRY
CU[illegible]T UNDER RR/HEAD OF YARD	DW 006	6-17-92	10:20A	CM				DRY
CULVERT UNDER RR/NW OF HOPPER	DW 007	6-17-92	10:35A	CM				DRY
[illegible]. POND SEEPAGE	DW 008	6-17-92	9:30A	CM				DRY

NF033629

COAL SYSTEM, INC.
WELLINGTON PREPERATION PLANT

DISCHARGE WATER MONITORING

LOCATION	SAMPLE NO.	DATE	TIME	SAMPLER	TEMP (C)	FLOW (GPM)	pH	COMMENTS
EMERGENCY SPILLWAY & SEEPAGE	DW 001	7-24-92	9:15A	OM				DRY
CEMENT FLUME PUMP HOUSE	DW 002	7-24-92	9:30A	OM				Little Seepage
PIPELINE SLURRY POND	DW 003	7-24-92	9:50A	OM				DRY
HEAT DRIER DISCHARGE	DW 004	7-24-92	11:20A	OM				DRY
DISCHG TO PRICE RIVER CULVERT	DW 005	7-24-92	10:15A	OM				DRY
CULVERT UNDER RR/HEAD OF YARD	DW 006	7-24-92	11:40A	OM				DRY
CULVERT UNDER RR/NW OF HOPPER	DW 007	7-24-92	12:00H	OM				DRY
W POND SEEPAGE	DW 008	7-24-92	10:45A	OM				DRY