R5E R6E

T 22 S
T 23 S

SEVIER COUNTY
EMERY COUNTY

E.1,690,000 E.1,700,000 E.1,710,000 E.1,720,000

N.6,780,000 N.6,770,000 N.6,760,000 N.6,750,000 N.6,740,000 N.6,730,000 N.6,720,000

FAULT ZONE
PARADISE
VALLEY
JOE'S
WALKER FLAT

FC47WW (EMERY TOWN WELLS
FC6WW (KEMMERER WELL)
USGS 1-4
FEDERAL LEASE IBC
FED LEASE U-5267
FED LEASE U-50044
QUITCH #1
UPDES 004
SP-14
SP-13
SP-11
SP-10
BLUEGATE #3
WELL R-1 AND R-2
SWMS-1A
UPDES 003
WELL TP
WELL T2
WELL T1
LEWIS WELL
EXCLUSION AREA (NO MINING) TRANSFERRED STATE LEASE
WELL RDA1
WELL RDA2
WELL RDA3
WELL RDA4
WELL RDA5
WELL RDA6
UPDES 001
SWMS-8
SITE 1
WELL WW1
UPDES 006
UPDES 002
UPDES 005
SWMS-4 (USGS GAGING STATION
SWMS-3 (FLUME)
UPDES 007
SWMS-5 (USGS GAGING STATION)
BRYANT WELL
WELL AA
USGS 1-3
WELL I2
WELL H
USGS 1-1
USGS 1-2
USGS 3-1
USGS 4-1
SWMS-2
FC343WW
FCJKWW
FC363WW
UPDES 009
MUDDY #4
MUDDY #3
MUDDY #2
MUDDY #1
WELL ZZ
WELL SM1-1
WELL SM1-2
WELL SM1-3
WELL SM1-4
4th EAST PORTAL
EMRIA #1
EMRIA #2
EMRIA #3
EMRIA #4
FC346WW
SRUB-1068
SP-15
SRUB-1061
SRUB-1049
SRUB-1046
SRUB-1037
USGS 2-4
USGS 2-3
USGS 2-1
SWMS-9
SWMS-10
APPROXIMATE AREA OF HYDROLOGIC EVALUATION

UPDES PERMIT	UPDES OUTFALL	MRP POND ID	SWMS (SURFACE WATER MONITORING SITE #)	COMMENT
UT0022616 (DEEP MINE)	001	1	6	U/G PUMP 1 IN SERVICE
	002	2	7	BEHIND SHOP NORTH IN SERVICE
	003	6	12	U/G PUMP 3 IN SERVICE
	004	6	13	FARMERS POND IRR. WATER IN SERVICE (ALTERNATE DISCHARGE FOR 003)
	005	3	14	BEHIND SHOP SOUTH
	006	8	14	IN SERVICE
	007	5	11	IN SERVICE
	009	9	11	4 EAST PORTAL SITE

UPDES OUTFALL # (CORRESPONDS TO APPROVED UPDES PERMIT UT0022616 OUTFALLS)
MRP POND ID (CORRESPONDS TO POND DESIGN DATA IN DOGM PERMIT 015/015-CHAPTER VI)
SURFACE WATER MONITORING SITE # (CORRESPONDS WITH BASE LINE AND CURRENT MONITORING SITES)

LEGEND

- PERMIT AREA BOUNDARY
- APPROXIMATE AREA OF HYDROLOGIC EVALUATION
- ADJACENT AREA FOR NON-WATER RESOURCES
- GROUND WATER MONITORING WELL- QUARTERLY STATIC WATER LEVELS
- GROUND WATER MONITORING WELL- PERIODIC STATIC WATER LEVELS
- GROUND WATER MONITORING WELL- QUARTERLY WATER QUALITY SAMPLES
- GROUND WATER MONITORING WELL- AQUIFER TEST SITE
- GROUND WATER MONITORING WELL- ABANDONED
- MONITORED IRRIGATION SEEP
- MONITORED SPRING
- SURFACE WATER MONITORING SITE
- UPDES DISCHARGE POINT

RECEIVED
JUL 02 2009
DIV. OF OIL, GAS & MINING

REGISTERED PROFESSIONAL ENGINEER
No. 168246
RICHARD B. WHITE
30 Jun 2009
NOT VALID WITHOUT SIGNATURE
STATE OF UTAH

EarthFax

BASE MAP:
U.S.G.S 7.5 MINUTE QUADRANGLE'S, EMERY WEST 1968, EMERY EAST 1968, PHOTO REVISED 1978, MESA BUTTE 1968, PHOTO REVISED 1978, WALKER FLAT 1968, PHOTO REVISED 1978.

COORDINATE SYSTEM:
STATE PLANE COORDINATES, NAD 83 CONUS
ZONE 4302-UTAH, CENTRAL - US FEET
VERTICAL DATUM - NAVD 88-US FEET

EXTERNAL REFERENCE:
G:\UC982\XREFS-CURRENT\XREF-USGSMAP.DWG
G:\UC982\XREFS-CURRENT\XREF-PERM-MAR2007
G:\UC982\XREFS-CURRENT\XREF-SECTION.DWG

REVISIONS

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	9/6/88	RJD	SITES REVISED ACCORD. TO MPTR SUBMITTAL & ADD. OF NPDES 003	6	12/12/06	JAG	1st NORTH FED LEASE IBC, FULL EXTRACTION
2	8/1/89	RJD	ADDITION OF NPDES 0	7	03/08	JAG	UPDATE MAP (OLD VI-3)
3	8/7/90	RJD	ADDITION OF SW SITES 14 & 15	8	05/09	JAG	ZZ NORTH, ADJ. VS. PERMIT, HYDRO BOUNDARY DEF. 3099
4	9/95		AMENDED PERMIT BOUNDARY TO EXCLUDE EXPIRED STATE LEASE				
5	6/30/05	JAG	ADDED FIRST NORTH I.B.C.				

0' 2000'
SCALE: 1" = 2000'
CONTOUR INTERVAL = 40'

DRAWN BY: SWF
CHECKED BY: JAG
ORIGINAL DATE: 1/81
RE-DRAWN DATE: 7/05
APPROVED BY: JAG
DWG DATA: G:\UC982\14-HYDROLOGY REWRITE\CHAPVI-PLATES\PLATE VI-4.DWG

EMERY MINE
EMERY COUNTY, UTAH
PERMIT NO.
ACT015/015

CONSOLIDATION COAL COMPANY
P.O. BOX 566
SESSER, IL 62884-0566

PLATE VI-4
GROUND WATER MONITORING WELL AND SURFACE WATER MONITORING SITE LOCATION MAP

G:\UC982\18 - Federal lease extension\EXT SUBMITTAL\PLATE VI-4NP.dwg, 6/30/2009 4:24:10 PM