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Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
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Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

February 3, 1993

Mr. Jay Marshall  
Castle Valley Resources  
P. O. Box 1282  
Huntington, Utah 84528

Dear Mr. Marshall:

Re: Bond Readjustment, Castle Valley Resources, Wellington Prep Plant, ACT/007/012, Folder #3, Carbon County, Utah

As you are aware the Division has been working with Castle Valley Resources (CVR) to obtain an adequate performance bond for the Wellington Prep Plant facility. On October 19, 1992 we met with you and discussed the fact that the current bond is inadequate and that CVR would have to increase the bond to \$6,603,000. You were given until November 23, 1992 to submit the revised bond which date was later extended to January 22, 1993. In accordance with R645-301-830.420 you were afforded the opportunity to provide information which could be used to reduce that amount and on December 10, 1992 we again met and reviewed your bond estimate. The Division evaluated the information provided and has done a re-evaluation of the bond amount based on information in your current approved reclamation plan. The final figure which must be posted as a performance bond has been determined to be \$4,881,000. Please refer to the enclosed bond calculations.

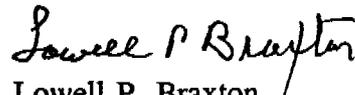
The Division recently received a letter, dated January 14, 1993, in which Mr. Robert Mower indicated that you are having difficulty in obtaining the required bond. He also requested a four-month extension of time to post the bond indicating that changing the final use from grazing to industrial could be processed in that amount of time and that this change would reduce the amount of money required. The Division cannot grant the extension requested. Castle Valley Resources has already been provided a period of time to complete the bond adjustment provided by rule. In order to approve a post-mining land use change the Division must find that your current permit is in order. This can not be done until an adequate bond is posted. In other words changing the post mining land use in order to reduce the bond is not allowed. Certainly, there are provisions for bond readjustment after a change in the post mining land use has been approved.

Page 2  
Bond Readjustment  
ACT/007/012  
February 3, 1993

Castle Valley Resources is hereby given until February 22, 1993 to post a performance bond in the amount of \$4,881,000. This extension is given based on the Division's failure to provide you with this recalculated bond amount prior to now. If the re-calculated bond is not posted by that date, a cessation of operations will be ordered.

Please call if you have questions.

Sincerely,

  
Lowell P. Braxton  
Acting Director

Enclosure

cc: Robert Mower, NEICO  
Patrick Collins, Mt. Nebo  
D. Haddock  
S. Demczak, PFO

FINABOND.WEL

WELLINGTON PREPARATION PLANT  
CASTLE VALLEY RESOURCES, INC.  
ACT/007/012  
REVISED BOND ESTIMATE JANUARY 1993

BOND SUMMARY

I	SUBTOTAL DEMOLITION AND REMOVAL	\$1,219,025
II	SUBTOTAL BACKFILLING AND GRADING	\$2,269,686
III	SUBTOTAL REVEGETATION	\$330,064
IV	RECLAMATION COSTS	\$3,818,775
V	10% MAINTENANCE, MONITORING & ENG. COSTS	\$381,878
VI	10% CONTINGENCY	\$381,878
VII	SUBTOTAL IN 1993 DOLLARS	\$4,582,530
VIII	SUBTOTAL WITH ESCALATION @ 1.27% (1995 \$)	\$4,881,006
IX	TOTAL BOND AMOUNT ROUNDED TO NEAREST \$1,000	\$4,881,000

BONDING CALCULATIONS  
 DEMOLITION AND REMOVAL COSTS  
 WELLINGTON COAL PREPARATION PLANT  
 CASTLE VALLEY RESOURCES, INC  
 ACT/007/012  
 REVISED ESTIMATE JANUARY, 1993 - WHW

DEMOLITION AND REMOVAL

DEMOLITION AND REMOVA	MATERIALS	UNIT COST	UNITS	QUANTIT	COST
<b>MAIN PLANT</b>					
BUILDING	Concret	\$0.28	C.F.	1390160	\$389,245
BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	10297	\$43,028
FOUNDATION	Slab on gra	\$124.00	C.Y.	347	\$43,028
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	347	\$2,151
(SUBTOTAL)					\$477,452
<b>TRACK HOPPER &amp; RAW COAL CONVEYOR</b>					
CONVEYOR	Small bldg	\$0.21	C.F.	68750	\$14,438
BUILDING	Concret	\$0.28	C.F.	249700	\$69,916
BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	1850	\$118,916
FOUNDATION	Slab on gra	\$124.00	C.Y.	959	\$118,916
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	959	\$5,946
(SUBTOTAL)					\$328,131
<b>HEAT DRYER &amp; CONVEYOR</b>					
CONVEYOR	Small bldg	\$0.21	C.F.	21824	\$4,583
BUILDING	Concret	\$0.28	C.F.	110688	\$30,993

BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	820	\$5,083
SCRUBBER	Concret	\$0.28	C.F.	64230	\$17,984
SCRUBBER DISPOSAL	Disposal o	\$6.20	C.Y.	476	\$2,950
FOUNDATION	Slab on gra	\$124.00	C.Y.	62	\$7,688
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	62	\$384
(SUBTOTAL)					\$69,666

REFUSE PILE					
STRUCTURE	Concret	\$0.28	C.F.	64230	\$17,984
STRUCTURE DISPOSAL	Disposal o	\$6.20	C.Y.	476	\$2,950
FOUNDATION	Slab on gra	\$124.00	C.Y.	62	\$7,688
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	62	\$384
10" PIPELINE	10" diame	\$12.10	L.F.	6800	\$82,280
(SUBTOTAL)					

PUMPHOUSE					
BUILDING	Concret	\$0.28	C.F.	9360	\$2,621
BUILDING REMOVAL	Disposal o	\$6.20	C.Y.	69	\$430
FOUNDATION	Slab on gra	\$124.00	C.Y.	94	\$11,656
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	94	\$583
(SUBTOTAL)					\$15,289

COARSE REFUSE PILE					
BUILDING	Concret	\$0.28	C.F.	5984	\$1,676
BUILDING REMOVAL	Disposal o	\$6.20	C.Y.	44	\$275
FOUNDATION	Slab on gra	\$124.00	C.Y.	2	\$248
CONCRTE DISPOSAL	Disposal o	\$6.20	C.Y.	2	\$12
(SUBTOTAL)					\$2,211

OFFICE BUILDING

BUILDING	Concret	\$0.28	C.F.	28392	\$7,950
BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	210	\$1,304
FOUNDATION	Slab on gra	\$124.00	C.Y.	50	\$6,200
CONCRTE DISPOSAL	Disposal o	\$6.20	C.Y.	50	\$310
(SUBTOTAL)					\$15,764

STOREHOUSE

BUILDING	Concret	\$0.28	C.F.	26352	\$7,379
BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	195	\$1,210
FOUNDATION	Slab on gra	\$124.00	C.Y.	41	\$5,084
CONCRTE DISPOSAL	Disposal o	\$6.20	C.Y.	41	\$254
(SUBTOTAL)					\$13,927

SHOP

BUILDING	Concret	\$0.28	C.F.	26352	\$7,379
BUILDING REMOVAL	Disposal o	\$6.20	C.Y.	195	\$1,210
FOUNDATION	Slab on gra	\$124.00	C.Y.	41	\$5,084
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	41	\$254
(SUBTOTAL)					\$13,927

COAL CARBONIZATION LAB

BUILDING	Concret	\$0.28	C.F.	11712	\$3,279
BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	87	\$538
FOUNDATION	Slab on gra	\$124.00	C.Y.	18	\$2,232
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	18	\$112
(SUBTOTAL)					\$6,161

FUEL STORAGE

BUILDING	Concret	\$0.28	C.F.	32317	\$9,049
BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	239	\$1,484

FOUNDATION	Slab on gra	\$124.00	C.Y.	43	\$5,332
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	43	\$267
(SUBTOTAL)					\$16,132

PLANT PUMPHOUSE					
BUILDING	Concret	\$0.28	C.F.	13820	\$3,870
BUILDING DISPOSAL	Disposal o	\$6.20	C.Y.	102	\$635
FOUNDATION	Slab on gra	\$124.00	C.Y.	22	\$2,728
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	22	\$136
(SUBTOTAL)					\$7,369

SAND HOPPER					
FOUNDATION	Slab on gra	\$124.00	C.Y.	70	\$8,680
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	70	\$434
(SUBTOTAL)					\$9,114

SUBSTATION					
FOUNDATION	Slab on gra	\$124.00	C.Y.	35	\$4,340
CONCRETE DISPOSAL	Disposal o	\$6.20	C.Y.	35	\$217
CHAIN LINK FENCE	remove fe	\$1.86	L.F.	122	\$227
EQUIP. & STRUCTURES	demolition l	\$26.33	man hour	512	\$13,481
(SUBTOTAL)					\$18,265

PLANT RAILROAD  
TIES AND TRACKS  
BALLAST  
(SUBTOTAL)

POWERLINE  
WEST OF PRICE RIVER

POWERPOLES	Power pole	\$70.15	each	23	\$1,613
CONDUCTORS	Conductor	\$1,102.00	mile	2	\$1,840
(SUBTOTAL)					\$3,454

NATURAL GAS PIPELINE

TRACK HOPPER BRANCH	4" diamet	\$6.05	L.F.	150	\$908
OFFICE BRANCH	4" diamet	\$6.05	L.F.	50	\$303
PLANT BRANCH	4" diamet	\$6.05	L.F.	50	\$303
METER STATION	Slab on gra	\$124.00	C.Y.	3	\$372
CONCRETE DISPOSAL	For dispos	\$10.10	C.Y.	3	\$30
(SUBTOTAL)					\$1,915

POWERLINE

EAST OF PRICE RIVER

POWERPOLES	Power pole	\$70.15	each	25	\$1,754
CONDUCTORS	Conductor	\$1,102.00	mile	4	\$3,857
(SUBTOTAL)					\$5,611

PAVEMENT

BITUMINOUS PAVEMENT	4" to 6".bit	\$6.20	S.Y.	13056	\$80,947
PAVEMENT DISPOSAL	For dispos	\$10.10	C.Y.	2611	\$26,373
(SUBTOTAL)					\$107,320

CLEAR WATER DAM

FACILITES

INTAKE TOWER	Slab on gra	\$124.00	C.Y.	35	\$4,340
INTAKE TOWER DISPOSAL	Disposal o	\$6.20	C.Y.	35	\$217
FRESH WATER LINE 24"	24" concr	\$8.10	L.F.	200	\$1,620
SPELLWAY 24" CONCRETE	24" concr	\$8.10	L.F.	200	\$1,620
CONCRETE PIPE DISPOSAL	For dispos	\$10.10	C.Y.	15	\$150

10" STEEL PIPE	10" diame	\$12.10	L.F.	3600	\$43,560
DOZER RENT/OPERATE	D9L DOZER	\$57.68	hour	1	\$81
DOZER OPERATOR	D9L DOZER	\$42.49	hour	1	\$59
DOZER OVERHEAD & PRO	20% OF RE	\$20.03	hour	1	\$28
(SUBTOTAL)					\$51,675

DEMOLITION COSTS

\$1,219,025

BONDING CALCULATIONS  
BACKFILLING AND GRADING AND REVEGETATION COSTS  
WELLINGTON PREPARATION PLANT  
CARBON COUNTY, UTAH  
REVISED AUGUST, 1992 - WHW

2 BACKFILLING AND GRADING

2.1 WEST OF PRICE RIVER SITE

VOLUME OF MATERIAL TO BE GRA	75000.00
SWELL FACTOR	1.30
VOLUME OF MATERIAL TO BE GRA	97500.00
PRODUCTION FOOR CAT D8L BUL	675.00
PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
MATERIAL	0.80
JOB EFFICIENCY	0.84
ESTIMATED PRODUCTION (LCY/HR	340.20
TOTAL GRADING TIME (HRS)	286.60
LABOR AND EQUIPMENT COSTS/HR	
CAT D8L DOZER	173.36
SHEEPS-FOOT ROLLERS	11.41
WATER TRUCK	172.18
FOREMAN	33.00
GRADING COSTS (WEST OF PRIC	111758.16
OVERHEAD AND PROFIT 20%	22351.63
SUBTOTAL GRADING COSTS WEST	134109.79

2.2 ROAD POND

VOLUME OF MATERIAL TO BE GRA	2750.00
SWELL FACTOR	1.30
VOLUME OF MATERIAL TO BE GRA	3575.00
PRODUCTION FOR CAT D8L BULLD	550.00
PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
MATERIAL	0.80
JOB EFFICIENCY	0.84
ESTIMATED PRODUCTION (LCY/HR	277.20
TOTAL GRADING TIME (HRS)	12.90

LABOR AND EQUIPMENT COSTS	
CAT 8DL DOZER	173.36
SHEEPS-FOOT ROLLER	11.41
WATER TRUCK	172.18
FOREMAN	33.00
GRADING COST (ROAD POND)	5029.12
OVERHEAD AND PROFIT 20%	1005.82
SUBTOTAL ROAD POND	6034.94

2.3 HEAT DRYER POND	
VOLUME OF MATERIAL TO BE GRA	350.00
SWELL FACTOR	1.30
VOLUME OF MATERIAL TO BE GRA	455.00
PRODUCTION FOR CAT D8L BULLD	1500.00
WITH UNIVERSAL BLADE (LCY/HR)	
PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
MATERIAL	0.80
JOB EFFICIENCY	0.84
ESTIMATED PRODUCTION (LCY/HR)	756.00
TOTAL GRADING TIME (HRS)	0.60
LABOR AND EQUIPMENT COSTS	
CAT 8DL DOZER	173.36
SHEEPS-FOOT ROLLER	11.41
WATER TRUCK	172.18
FOREMAN	33.00
GRADING COST HEAT DRYER PON	234.69
OVERHEAD AND PROFIT 20%	46.94
SUBTOTAL HEAT DRYER POND	281.63

2.4 COVER REFUSE PILE WITH TOPSOIL	
REQUIRE TOPSOIL 1 FT. THICK (CY	33000.00
AVAILABLE TOPSOIL (CY)	29100.00
from soil that was recovered during refuse pile expansion	
REQUIRED BORROW TOPSOIL (CY)	3900.00
PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
MATERIAL	0.80
JOB EFFICIENCY	0.84

TOTAL TIME TO MOVE TOPSOIL (H	114.90
LABOR AND EQUIPMENT COSTS	
CAT 988 WHEEL LOADER	143.05
CAT 769 OFF-HIGHWAY TRUCK F	112.98
CAT 769 OFF-HIGHWAY TRUCK S	112.98
CAT 8DL DOZER	173.36
SHEEPS-FOOT ROLLER	11.41
WATER TRUCK	172.18
FOREMAN	33.00
GRADING COST REFUSE PILE TOP	87204.50
OVERHEAD AND PROFIT 20%	17440.90
SUBTOTAL TOPSOIL	104645.40

2.5 COVER LOWER REFUSE POND WITH 42" OF COVER

VOLUME OF MATERIAL	428166.67
SWELL FACTOR	1.30
VOLUME OF MATERIAL TO BE MOV	556616.67
PRODUCTION FACTOR	
CAT 637D SCRAPER (LCY/HR)	192.00
CAT D8L BULLDOZER (LCY/HR)	1250.00
CAT D8L PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
JOB EFFICIENCY	0.84
MATERIAL	0.80
ESTIMATED EFFICIENCY OF CAT	630.00
TOTAL HOURS TO MOVE AND SPR	1104.00
EQUIPMENT AND LABOR COSTS/HR	
CAT D8L	173.36
CAT 637D SCRAPER 1ST	158.92
CAT 637D SCRAPER 2ND	158.92
CAT 637D SCRAPER 3RD	158.92
SHEEPS-FOOT ROLLER	11.41
WATER TRUCK	172.18
FOREMAN	33.00
COSTS REFUSE PILE COVER	956847.84
OVERHEAD AND PROFIT 20%	191369.57
SUBTOTAL REFUSE PILE COVER	1148217.41

2.6 SPREAD 6" OF TOPSOIL ON REFUSE DISPOSAL AREA

VOLUME OF TOPSOIL REQUIRED	
ESTIMATED PRODUCTION (LCY/HR)	450.00
JOB EFFICIENCY	0.84
PRODUCTION (LCY/HR)	378.00
TIME REQUIRED	447.00
EQUIPMENT COSTS	
28 CY TRACTOR TR. 1ST	84.19
28 CY TRACTOR TR. 2ND	84.19
28 CY TRACTOR TR. 3RD	84.19
28 CY TRACTOR TR. 4TH	84.19
28 CY TRACTOR TR. 5TH	84.19
CAT 988 WHEEL LOADER 1ST	143.05
CAT 988 WHEEL LOADER 2ND	143.05
CAT D8L DOZER	173.36
WATER TRUCK	172.18
FOREMAN	33.00
COSTS TOPSOIL PLACEMENT	485258.73
OVERHEAD AND PROFIT 20%	97051.75
SUBTOTAL REFUSE PILE TOPSOIL	582310.48

2.7 GRADE OUT CLEAR WATER DIKE	
VOLUME TO BE GRADED (BCY)	180900.00
SWELL FACTOR	1.30
VOLUME OF MATERIAL TO BE GRA	235170.00
PRODUCTION OF CAT D9L DOZER	700.00
PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
MATERIAL	0.80
JOB EFFICIENCY	0.84
ESTIMATED PRODUCTION	352.80
TOTAL GRADING TIME	666.58
EQUIPMENT COSTS	
CAT D9L	192.58
SHEEPS-FOOT ROLLER	11.41
WATER TRUCK	172.18
FOREMAN	33.00
COSTS GRADE OUTCLEAR WATER	272744.54
OVERHEAD AND PROFIT 20%	54548.91
SUBTOTAL CLEAR WATER DIKE	327293.45

2.8	GRADE UPPER REFUSE DIKE TO 5:1	
	VOLUME OF BE GRADED (BCY)	5600.00
	SWELL FACTOR	1.30
	VOLUME OF MATERIAL TO BE GRA	7280.00
	PRODUCTION OF CAT D8L DOZER	900.00
	PRODUCTION FACTORS	
	AVERAGE OPERATOR	0.75
	MATERIAL	0.80
	JOB EFFICIENCY	0.84
	ESTIMATED PRODUCTION	453.60
	TOTAL GRADING TIME	16.05
	EQUIPMENT COSTS	
	CAT D8L	173.36
	SHEEPS-FOOT ROLLER	11.41
	WATER TRUCK	172.18
	FOREMAN	33.00
	COSTS GRADE UPPER REFUSE DI	6258.46
2.9	GRADE OFF CREST OF LOWER REFUSE DIKE	
	VOLUME OF BE GRADED (BCY)	1200.00
	SWELL FACTOR	1.30
	VOLUME OF MATERIAL TO BE GRA	1560.00
	PRODUCTION OF CAT D8L DOZER	1900.00
	PRODUCTION FACTORS	
	AVERAGE OPERATOR	0.75
	MATERIAL	0.80
	JOB EFFICIENCY	0.84
	ESTIMATED PRODUCTION	957.60
	TOTAL GRADING TIME	1.63
	EQUIPMENT COSTS	
	CAT D8L	173.36
	SHEEPS-FOOT ROLLER	11.41
	WATER TRUCK	172.18
	FOREMAN	33.00
	SUBTOTAL COSTS (GRADE OWER	635.26
2.10	GRADE DIVERSION DITCH - WEST OF PRICE RIVER	
	VOLUME OF BE GRADED (BCY)	4050.00

SWELL FACTOR	1.30
VOLUME OF MATERIAL TO BE GRA	5265.00
PRODUCTION OF CAT D8L DOZER	1900.00
PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
MATERIAL	0.80
JOB EFFICIENCY	0.84
ESTIMATED PRODUCTION	957.60
TOTAL GRADING TIME	5.50
EQUIPMENT COSTS	
CAT D8L	173.36
SHEEPS-FOOT ROLLER	11.41
WATER TRUCK	172.18
FOREMAN	33.00
SUBTOTAL COSTS (DIVERSION DIT	2143.99

2.11 COVER MAIN PLANT AREA WITH 6" OF TOPSOIL

VOLUME REQUIRED	36000.00
TOTAL TIME REQUIRED	255.10
EQUIPMENT AND LABOR COSTS	
CAT 988 WHEEL LOADER	143.05
CAT 769 OFF-HIGHWAY TRUCK 1	112.98
CAT 769 OFF-HIGHWAY TRUCK 2	112.98
CAT D8L DOZER	173.36
WATER TRUCK	172.18
FOREMAN	33.00
SUBTOTAL COSTS (TOPSOIL MAIN	190700.01

2.12 COVER PUMP HOUSE & SLURRY PIPELINE 6" TOPSOIL

VOLUME REQUIRED	3000.00
TOTAL TIME REQUIRED	25.40
EQUIPMENT AND LABOR COSTS	
28 CY TRACTOR TR.	143.05
CAT 988 WHEEL LOADER	143.05
CAT 988 WHEEL LOADER	143.05

CAT D8L DOZER	173.36
WATER TRUCK	172.18
FOREMAN	33.00
SUBTOTAL COSTS (TOPSOIL PUMP)	35049.21

2.13 ADDITIONAL COST TO MIX SOILS AT TOPSOIL AREA

VOLUME OF MATERIAL RIPPED	195500.00
RIPPING PRODUCTION (CY/HR)	3000.00
PRODUCTION FACTORS	
AVERAGE OPERATOR	0.75
JOB EFFICIENCY	0.84
MATERIAL	1.00
PRODUCTION (CY/HR)	1890.00
HOURS TO RIP	103.44
VOLUME OF MATERIAL PUSHED	98000.00
PUSHING TIME	410.00
TOTAL TIME	513.44
EQUIPMENT AND LABOR COSTS	
CAT D9D DOZER	192.58
FOREMAN	33.00
SUBTOTAL COSTS (TOPSOIL MIX)	115821.60

SUBTOTAL FOR ALL GRADING COS	2269686.10
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III REVEGETATION COSTS	330064.00
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DEMOLITION COSTS  
MEANS 1993

DEMOLITION                      UNIT COST    UNITS    MEANS REFERENCE NUMBE

SITE DEMOLITION

Chain link fence

remove fence 8' to 10'	\$1.50	L.F.	020 554 0700
remove fence 6' high	\$1.86	L.F.	020 554 0750

Pavement removal

3" bituminous	\$3.76	S.Y.	020 554 1710
4" to 6" bituminous	\$6.20	S.Y.	020 554 1750
bituminous drive way	\$3.82	S.Y.	020 554 1800

Concrete to 6" thick, me	\$10.20	S.Y.	020 554 1900
Concret to 6" thick, rod r	\$13.00	S.Y.	020 554 2000

Concrete 7" to 24" thick,	\$198.00	C.Y.	
Concrete 7" to 24" thick,	\$274.00	C.Y.	

Pipe removal, concrete, no excavation

12" concrete pipe rem	\$5.55	L.F.	020 554 2900
15" concrete pipe rem	\$6.45	L.F.	020 554 2930

24" concrete pipe rem	\$8.10	L.F.	020 554 2960
36" concrete pipe rem	\$10.75	L.F.	020 554 3000
Pipe removal steel, weld connections no excavations			
4" diameter	\$6.05	L.F.	020 554 3200
10" diameter	\$12.10	L.F.	020 554 3300
Slab on grade removal,	\$68.50	C.Y.	020 554 5000
Slab on grade removal,	\$94.00	C.Y.	020 554 5100
Slab on grade removal, r	\$124.00	C.Y.	020 554 5200
Disposal on site	\$6.20	C.Y.	020 554 5500
For disposal up to 5 mile	\$10.10	C.Y.	020 550 5600

#### BUILDING DEMOLITION

Concrete	\$0.28	C.F.	020 604 0050
Masonry	\$0.21	C.F.	020 604 0080
Mixture of types, avera	\$0.21	C.F.	020 604 0100
Small bldgs, steel	\$0.21	C.F.	020 604 0500
			020 604 0600
Masonry	\$0.21	C.F.	020 604 0650
Wood	\$0.21	C.F.	020 604 0700

#### SELECTIVE DEMOLITION FRAMING DEMOLITION

#### CONCRTE REMOVAL

#### FOOTING AND FOUNDATIONS DEMOLITION

Floor slab on grade			
4" thick, plain concret	\$2.70	S.F.	020 604 754 0240

4" reinforced, wire mes	\$2.87	S.F.	020 604 754 0280
4" reinforced, rods	\$3.37	S.F.	020 604 754 0300
6" thick, plain concrete	\$3.60	S.F.	020 604 754 0400
6" reinforced, wire mes	\$3.97	S.F.	020 604 754 0420
6" reinforce, rods	\$4.49	S.F.	020 604 754 0440

**DEMOLITION COSTS  
WELLINGTON MRP 1992**

Power poles	\$70.15	each	Wellington MPR 1992
Conductors	\$1,102.00	mile	Wellington MPR 1992
demolition labor	\$26.33	man hour	Wellington MPR 1992
D9L DOZER	\$57.68	hour	
D9L DOZER OPERATOR	\$42.49	hour	

WELLINGTON PREP PLANT  
 DEVELOPMENT OF EQUIPMENT COSTS  
 AUGUST, 1992 WHW

REGION	1.05
EQUIP-OP	33.00
TRUCKER	27.05

		MONTHLY EQU. RATE	MONTHLY "U" DOZER	MONTHLY HY. TILT	MONTHLY RIPPER R.
CAT D8L BULLDOZER WITH SEMI-U BLADE & RIPPER		12000.00	1610.00	165.00	1590.00
REGIONAL COST ADJUSTMENT		12600.00	1690.50	173.25	1669.50
BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY				
HOURS PER RENTAL UNIT USED	176.00				
RENTAL PAYMENTS PER MONTH	16133.25				
HOURLY EQUIPMENT RENTAL RATES	91.67				
HOURLY OPERATING COSTS	35.86				
HOURLY OPERATORS COST	33.00				
TOTAL HOURLY COSTS	160.52				

CAT D9L BULLDOZER WITH U BLADE & RIPPER		12415	1720	165	1995
REGIONAL COST ADJUSTMENT		13035.75	1806	173.25	2094.75
BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY				
HOURS PER RENTAL UNIT USED	176.00				
RENTAL PAYMENTS PER MONTH	16295.00				
HOURLY EQUIPMENT RENTAL RATES	92.59				
HOURLY OPERATING COSTS	49.77				

HOURLY OP. COSTS BASIC	HOURLY OP. COSTS "U" DOZER	HOURLY OP. COSTS HY. TILT	HOURLY OP. COSTS RIPPER
29.30	1.40	0.20	3.25
30.77	1.47	0.21	3.41

41.2	2.2	0.2	3.8
43.26	2.31	0.21	3.99

HOURLY OPERATORS COST	33.00
TOTAL HOURLY COSTS	175.36

	MONTHLY	HOURLY
	EQUIP RATE	OP COSTS
		BASIC
CAT 988B WHEEL LOADER	11890.00	35.20
REGIONAL COST ADJUSTMENT	12484.50	36.96

BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY
HOURS PER RENTAL UNIT USED	176.00
RENTAL PAYMENT PER MONTH	12484.5
HOURLY EQUIPMENT RENTAL RATES	70.93
HOURLY OPERATING COSTS	36.96
HOURLY OPERATORS COST	33.00
TOTAL HOURLY COSTS	140.89

CAT 769 OFF-HIGHWAY TRUCK	8995.00	27.50
REGIONAL COST ADJUSTMENT	9444.75	28.88
BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY	
HOURS PER RENTAL UNIT USED	176.00	
RENTAL PAYMENT PER MONTH	8995	
HOURLY EQUIPMENT RENTAL RATES	51.11	
HOURLY OPERATING COSTS	28.88	
HOURLY OPERATORS COST	33.00	
TOTAL HOURLY COSTS	112.98	

CAT 621/PW-621E 27 CY BOTTOM DUMP UNIT	7995.00	19.50
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REGIONAL COST ADJUSTMENT		8394.75	20.48
BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY		
HOURS PER RENTAL UNIT USED	176.00		
RENTAL PAYMENT PER MONTH	7995		
HOURLY EQUIPMENT RENTAL RATES	45.43		
HOURLY OPERATING COSTS	20.48		
HOURLY OPERATORS COST	33.00		
TOTAL HOURLY COSTS	98.90		

CAT 637E P-P SCRAPER		13125.00	45.35
REGIONAL COST ADJUSTMENT		13781.25	47.62
BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY		
HOURS PER RENTAL UNIT USED	176.00		
RENTAL PAYMENT PER MONTH	13781.25		
HOURLY EQUIPMENT RENTAL RATES	78.30		
HOURLY OPERATING COSTS	47.62		
HOURLY OPERATORS COST	33.00		
TOTAL HOURLY COSTS	158.92		

SHEEPS-FOOT ROLLER - PULL TYPE (HERCULES WD-280) TRACTOR NOT INCLUDED		365.00	0.40
REGIONAL COST ADJUSTMENT		383.25	0.42
BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY		
HOURS PER RENTAL UNIT USED	176.00		
RENTAL PAYMENT PER MONTH	383.25		
HOURLY EQUIPMENT RENTAL RATES	2.18		
HOURLY OPERATING COSTS	0.42		
HOURLY OPERATORS COST	0.00		

TOTAL HOURLY COSTS 2.60

10,000 GAL OFF-HIGHWAY WATER TRUCK		14945.00	53.30
REGIONAL COST ADJUSTMENT		15692.25	55.97
BASIS ON WHICH EQUIPMENT IS RENTED	MONTHLY		
HOURS PER RENTAL UNIT USED	176.00		
RENTAL PAYMENT PER MONTH	15692.25		
HOURLY EQUIPMENT RENTAL RATES	89.16		
HOURLY OPERATING COSTS	55.97		
HOURLY OPERATORS COST	27.05		
TOTAL HOURLY COSTS	172.18		