



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

C/007/042 Incoming

#3871

R

August 16, 2011

Daron Haddock
Division of Oil Gas and Mining
1594 W North Temple, Suite 1210
Salt Lake City, UT 84116

RE: Star Point Waste Fuel - Permit # C/007/042
Midterm Review – Task ID #3871

Dear Mr. Haddock:

As requested, SCA is submitting 6 clean copies of the Star Point Midterm Permit Review documents prepared for incorporation.

Please send us one stamped copy for our mining permit. If you have any questions, please call Rusty Netz or myself at (435) 888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

cc: Steve Gross
Maggie Estrada
William Rossiter
Paul Shepard
Rusty Netz
Plant File

RECEIVED

AUG 18 2011

DIV. OF OIL, GAS & MINING

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Sunnyside Cogeneration Associates

Mine: Star Point Waste Fuel

Permit Number:

C/007/042

Title: Mid-Term Permit Review - clean copies

Description, Include reason for application and timing required to implement:

Provide 6 clean copies for Mid-term Permit Review

Instructions: If you answer yes to any of the first eight questions, this application may require Public Notice publication.

- | | |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? Acres: <u>0.00</u> Disturbed Area: <u>0.00</u> <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Is the application submitted as a result of a Division Order? DO# _____ |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 4. Does the application include operations in hydrologic basins other than as currently approved? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice publication? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Violation? NOV # _____ |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies? |

Explain: _____

- | | |
|---|--|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2) |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 15. Does the application require or include soil removal, storage or placement? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 17. Does the application require or include construction, modification, or removal of surface facilities? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 19. Does the application require or include certified designs, maps or calculation? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring? |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 21. Have reclamation costs for bonding been provided? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 23. Does the application affect permits issued by other agencies or permits issued to other entities? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 24. Does the application include confidential information and is it clearly marked and separated in the plan? |

Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

RICHARD CARTER PLANT MGR. 8/15/11 
 Print Name Position Date Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 15th day of August, 2011

Notary Public: Jody Hansen, state of Utah.

My commission Expires Dec 3rd 2011

Commission Number: 511930

Address: 1 Power Plant Rd. P.O. Box 159

City: Sunnyside State: UT Zip: 84539



For Office Use Only:

Assigned Tracking Number:

Received by Oil, Gas & Mining

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AUG 18 2011
DIV. OF OIL, GAS & MINING

The current list (March 29, 2011) of Utah's Federally Listed Threatened, Endangered, and Candidate Species lists the following species for Carbon County.

Table 322.210a. Utah's Federally Listed Threatened, Endangered, and Candidate Species for Carbon County

Common Name	Scientific Name	Status
Uinta Basin Hookless Cactus	<i>Sclerocactus glaucus</i>	Threatened
Humpback Chub	<i>Gila cypha</i>	Endangered
Bonytail	<i>Gila elegans</i>	Endangered
Colorado Pikeminnow	<i>Ptychocheilus lucius</i>	Endangered
Razorback Sucker	<i>Xyrauchen texanus</i>	Endangered
Greater Sage-grouse	<i>Centrocercus urophasianus</i>	Candidate
Black-footed Ferret	<i>Mustela nigripes</i>	Extirpated
Gray Wolf	<i>Canis Lupus</i>	Endangered

Table 322.210b evaluates the potential for special status species to occur in the SCA - Star Point Permit Area. This list is based on the Utah State sensitive and listed species sorted for Carbon County. It is compiled using known species occurrences and species observations from the Utah Natural Heritage Program's BIOTICS; and includes both current and historic records (March 29, 2011). This list has been adopted by BLM. The list of plants was not updated so we have left the prior list of plants without any changes. There are no endangered or threatened species in the SCA - Star Point Permit Area, nor are there any in proximity close enough to be considered to have the potential of being impacted by this permitting action.

Table 322.210b. Evaluation of Potential Status Species to Occur in the Permit Area

Common Name	Habitat and Distribution	Status	Occurrence Evaluation
Plants			
Canyon sweetvetch <i>Hedysarum occidentale var canone</i>	Shrub communities in canyons in Emery and Carbon County.	BLM Sensitive Species	Documented in adjacent lands. Low probability of occurrence on disturbed lands of the Permit Area.
Uinta Basin Hookless Cactus <i>Sclerocactus glaucus</i>	Uinta Basin hookless cactus is found on river benches, valley slopes, and rolling hills of the Duchesne River, Green River, and Mancos formations. It is found in xeric, fine textured soils overlain with cobbles and pebbles, growing in salt desert shrub and pinyon-juniper communities, at elevations ranging from 1360 to 2000 meters.	Threatened	Low probability. No reported occurrences.
Graham Beardtongue <i>Penstemon grahamii</i>	Elevation Range: 1,720 to 1,970 meters	Sensitive Species	Low probability. No reported occurrences.

Common Name	Habitat and Distribution	Status	Occurrence Evaluation
Fish			
Humpback Chub <i>Gila cypha</i>	The humpback chub lives primarily in canyons with swift currents and white water. Historically, it inhabited canyons of the Colorado River and four of its tributaries: the Green, Yampa, White and Little Colorado rivers.	Federally listed, endangered.	Low probability. No aquatic habitat in Permit Area. No reported occurrences.
Bonytail <i>Gila elegans</i>	Bonytail once were common in portions of the upper and lower Colorado River basins.	Federally listed, endangered.	Low probability. No aquatic habitat in Permit Area. No reported occurrences.
Colorado Pikeminnow <i>Ptychocheilus lucius</i>	Colorado pikeminnow were once abundant in the main stem of the Colorado River and most of its major tributaries in Colorado, Wyoming, Utah, New Mexico, Arizona, Nevada, California and Mexico.	Federally listed as endangered.	Low probability. No aquatic habitat in Permit Area. No reported occurrences.
Razorback Sucker <i>Xyrauchen texanus</i>	The razorback sucker was once widespread throughout most of the Colorado River Basin from Wyoming to Mexico.	Federally listed as endangered.	Low probability. No aquatic habitat in Permit Area. No reported occurrences.
Bluehead Sucker <i>Catostomus discobolus</i>	occurs in the upper Colorado River system. Fast flowing water in high gradient reaches of mountain rivers has been identified as important habitat	Conservation Agreement Species	Low probability. No aquatic habitat in Permit Area. No reported occurrences.
Colorado River cutthroat trout, <i>Oncorhynchus clarkii pleuriticus</i>	native to the upper Colorado River drainage. now naturally occur only in isolated high-elevation headwater streams	Conservation Agreement Species	Low probability. No aquatic habitat in Permit Area. No reported occurrences.
flannelmouth sucker, <i>Catostomus latipinnis</i>	In Utah, the species occurs in the main-stem Colorado River, as well as in many of the Colorado River's large tributaries. Flannelmouth suckers are usually absent from impoundments.	Conservation Agreement Species	Low probability. No aquatic habitat in Permit Area. No reported occurrences.
roundtail chub, <i>Gila robusta</i>	species prefers large rivers, and is most often found in murky pools near strong currents in the main-stem Colorado River, and in the Colorado River's large tributaries	Conservation Agreement Species	Low probability. No aquatic habitat in Permit Area. No reported occurrences.

Common Name	Habitat and Distribution	Status	Occurrence Evaluation
Birds			
Bald Eagle <i>Haliaeetus leucocephalus</i>	The raptors' habitat includes estuaries, large lakes, reservoirs, major rivers, and some seacoast areas. The permit area is potential winter habitat.	Species of Concern	Low probability. No reported occurrences.
Ferruginous hawk <i>Buteo regalis</i>	The raptor's habitat includes semiarid grasslands with scattered trees, rocky mounds or outcrops, and shallow canyons that overlook open valleys. They may occur along streams or in agricultural areas in migration.	Species of Concern	Potential summer resident. No active ferruginous hawk nests were located in the Permit Area during raptor surveys.
Northern Goshawk <i>Accipiter gentilis</i>	Prefers aspen and conifers vegetation.	Conservation agreement Species	Documented in adjacent lands. Preferred habitat not available in Permit Area.
Burrowing owl, <i>Athene cunicularia</i>	Its habitats are open grassland and prairies, but it also utilizes other open situations, such as golf courses, cemeteries, and airports	Species of Concern	Not a likely resident Preferred habitat not in the Permit Area
Greater Sage Grouse <i>Centrocercus urophasianus</i>	Prefers sagebrush habitat.	Candidate Species	Potential resident in sagebrush areas.
Long-billed curlew, <i>Numenius americanus</i>	fairly common summer resident and migrant in Utah, especially through the central and more northern valleys. It is less common in the Colorado River drainage. This species lives and breeds in higher and drier meadowlands than many other shorebird species	Species of Concern	Not a likely resident

Common Name	Habitat and Distribution	Status	Occurrence Evaluation
Mammals			
Black-footed Ferret (Unconfirmed in Carbon County)	Short and mid-grass prairies of the Great Plains	Extirpated	Low probability. No reported occurrences.
Gray Wolf <i>Canis lupis</i>	Quality of habitat depends on prey availability.	Federally listed as endangered	Low probability. No reported occurrences
Kit fox, <i>Vulpes macrotis</i>	not overly abundant in Utah, it does occur in the western, east-central, and southeastern areas of the state	Species of Concern	Not a likely resident of the area
Townsend's big-eared bat, <i>Corynorhinus townsendii</i>	species occurs state-wide in Utah at elevations below 9,000 feet. Often found near forested areas. Caves, mines, and buildings are used for day roosting and winter hibernation	Species of Concern	Potential resident in the area, but not documented
western red bat, <i>Lasiurus blossevillii</i>	extremely rare in Utah, normally found near water, often in wooded areas	Species of Concern	Not a likely resident of the area
white-tailed prairie-dog, <i>Cynomys leucurus</i>	form colonies and spend much of their time in underground burrows, often hibernating during the winter. The white-tailed prairie-dog's diet is composed of grasses and bulbs.	Species of Concern	Potential resident in the area, but not documented
Amphibians			
western toad, <i>Bufo boreas</i>	can be found in a variety of habitats, including slow moving streams, wetlands, desert springs, ponds, lakes, meadows, and woodlands	Species of Concern	Not a likely resident of the area

TABLE 341.210a: Disturbed Area Revegetation Seed Mix

Scientific Name	Common Name	Broadcast Seeding Rates	
		Pounds Live Seed/Acre	Number of Live Seed/Square Foot
Shrubs			
<i>Amalanchier utahensis</i>	Utah serviceberry	2	1.18
<i>Artemisia tridentata var wyo.</i>	Sagebrush	0.1	5.74
<i>Atriplex canescens</i>	Fourwing saltbush	4	4.78
<i>Ceratoides lanata</i>	Winterfat	0.5	0.65
<i>Cercocarpus ledifolius</i>	Mountain mahogany	2	1.38
<i>Chrysothamnus nauseosus</i>	Whitestem rabbitbrush	0.2	1.84
<i>Purshia mexicana</i>	Cliff Rose	2	2.97
<i>Artemisia frigida</i>	Frige Sage	0.1	10.41
Forbs			
<i>Achillea millefolium</i>	Yarrow	0.1	6.36
<i>Aster chilensis</i>	Pacific aster	0.1	6.12
<i>Linum lewisii</i>	Blue flax	2	13.45
<i>Penstemon palmeri</i>	Penstemon	1	14.00
<i>Sphaeralcea coccinea</i>	Globemallow	0.5	5.74
Grasses			
<i>Elymus lanceolatus</i>	Thickspike wheatgrass	3	10.61
<i>Elymus spicatus</i>	Bluebunch wheatgrass	3	9.64
<i>Elymus elymoides</i>	Squirreltail	2	8.82
<i>Stipa comata</i>	Needle-and-thread	1	2.64
<i>Stipa hymenoides</i>	Indian ricegrass	1	4.32
TOTAL		24.6	110.64

Disturbed Area Revegetation Seed Mix Additions

<i>Hedysarum boreale</i>	Northern sweetvetch	6	4.63
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The northern sweetvetch will be added to the seed mix and applied across approximately 10 acres of the site (location to be determined at the time of seeding with the intent of finding the areas most likely to be successful for this seed).

TABLE 341.210b: Interim Seed Mix

Scientific Name	Common Name	Broadcast Seeding Rate	
		Pounds Live Seed/Acre	Number of Live Seed/Square Foot
Forbs			
<i>Melilotus officinalis</i>	Yellow Sweet Clover	2	11.94
<i>Medicago sativa</i>	Ladak Alfalfa	2	9.18
<i>Astragalus cicer</i>	Cicer Milk Vetch	2	6.66
<i>Penstemon palmeri</i>	Palmer Penstemon	0.5	5.82
Grasses			
<i>Agropyron desertorum</i>	Crested Wheat Grass	2	8.03
<i>Thinopyrum intermedium</i>	Intermediate Wheat Grass	2	4.04
<i>Elymus cinereus</i>	Great basin wildrye	2	5.97
TOTAL		12.5	51.64

341.220. Planting and Seeding Methods.

It is expected that most areas will be broadcast seeded to maintain the integrity of the gouges implemented as seedbed preparations. However, if areas are drill seeded, they will be seeded at a rate of one-half the rate recommended for broadcast seeding as shown on Table 341.210a. All areas to be broadcast seeded

"Bonding Scenario Reclamation" while the actual anticipated reclamation is called "Final Reclamation".

This permit application is divided into eight sections per major code divisions covering: general conditions, soils, biology, land use and air quality, engineering, geology, hydrology, and bonding. The focus of this section of the permit application is bonding, which is provided to meet the requirement of Section 800 of UAC R-645-301.

820. REQUIREMENT TO FILE A BOND.

The disturbed area is shown on Map 222.100b. Exhibit 111.100a shows the entire SCA - Star Point Permit Area. The current bond is filed on the form provided by the Division and for an amount equal to or exceeding the bond amount previously determined by the Division under R645-301-830. The current bond form is attached as Exhibit 820.100a, Reclamation Bond.

830. DETERMINATION OF BOND AMOUNT.

To determine the bond amount, a cost estimate has been prepared for the bonding scenario reclamation. The details of this estimate are shown in Exhibit 830.100a. This estimate assumes that reclamation would begin under an assumed bond forfeiture condition under assumed conditions that could exist at some time during the current permit term. The estimated costs for this reclamation are **\$1,160,000**. This value represents SCA's reclamation liability for bonding. These costs include the regrading of the refuse pile to enhance reclamation, mulching and seeding, the cost of monitoring activities, and appropriate contingencies.

After the Division has had an opportunity to review this permit application and determine the bond amount based on the calculation of the revised reclamation liability, a new Reclamation Agreement and bond for the amount determined by the Division will be provided by SCA. A copy of the current bonding form is presented as Exhibit 820.100a. The bond will be posted after the Division approves the application and before the permit is issued.

The reclamation liability amount reflects all required reclamation work to be performed for the SCA - Star Point Permit Area.

SCA agrees to re-evaluate the performance bond from time to time when the permit acreage is revised, standards of reclamation change, or when the cost of future reclamation work changes.

SCA will, from time to time, request reduction of the performance bond amount when circumstances warrant a reduction.

Exhibit 830.100a, Bonding Scenario Reclamation Cost Estimate

DETERMINATION OF BOND AMOUNT - Summary

ITEM		RATE	COST
Total Construction Management	See Page 2		\$ 64,859
Total Backfill and Grading	See Page 2		\$ 412,217
Total Demolition and Disposal	See Page 3		\$ 21,038
Total Revegetation	See Page 4		\$ 343,071
Total (Direct Costs)			\$ 841,184
Mobilization and Demobilization		10%	\$ 84,118
Contingency		5%	\$ 42,059
Engineering Redesign		2.5%	\$ 21,030
Main Office Expense		6.8%	\$ 57,201
Project Management Fee		2.5%	\$ 21,030
Total (Indirect Costs)			\$ 225,437
Total (Direct and Indirect Costs - 2011 dollars)			\$ 1,066,621
Escalation 5 years to Mid Term 2016	1 yr	1.70%	\$ 18,133
	1 yr	1.70%	\$ 18,441
	1 yr	1.70%	\$ 18,754
	1 yr	1.70%	\$ 19,073
	1 yr	1.70%	\$ 19,397
Total Reclamation Costs (2011 dollars)			\$ 1,160,420
Bond Amount Required (Rounded to the nearest \$1,000)			\$ 1,160,000

DETERMINATION OF BOND AMOUNT - Construction Mgt and Backfill & Grading

ITEM	QUANTITY	PRODUCTION RATE	HOURS REQUIRED	UNIT COST	COST
Construction Management					
Foreman and 4x4 pickup	3.5 Months	174 hr/mo	609	\$ 56.50	\$ 34,409
Water Truck	3.5 Months	87 hr/mo	304.50	\$ 100.00	\$ 30,450
Total Construction Management					\$ 64,859
Backfilling and Grading					
General site grading: Reshape pile slope, pond regrading, Refuse Cleanup, remove temporary berms and regrade roads and Drainage needs					
D-10 R Dozer	275,000 Cubic Yards	700 cy/hr	393	\$ 320.00	\$ 125,714
Redistribute subsoil over refuse covered areas					
C-651 E Scraper	235,700 Cubic Yards	400 cy/hr	589	\$ 240.00	\$ 141,420
D-10 R Dozer (one dozer to assist loading four scrapers)			147	\$ 320.00	\$ 47,140
D-10 R Dozer (spread soil on slopes - 50% of quantity)	117,850 Cubic Yards	700 cy/hr	168.36	\$ 320.00	\$ 53,874
Gouging of the disturbed area (.5 cy/ 6'x6' area)					
Track Excavator 325 CL (2yd bucket)	86.56 Acres				
	52,369 Cubic Yards	240 cy/hr	218	\$ 135.00	\$ 29,457
Ripping (minimum of 24" depth) compacted areas					
D-10 R Dozer with multishank ripper	29.00 Acres				
	70,180 Cubic Yards	3,000 cy/hr	23	\$ 320.00	\$ 7,486
Refuse Sampling for Acid / Toxic Potential	25 samples			\$ 245.00	\$ 6,125
Soil Sampling for Vegetative Purposes	10 samples			\$ 100.00	\$ 1,000
Total Backfill and Grading					\$ 412,217

DETERMINATION OF BOND AMOUNT - Demolition and Disposal

	Length (ft)	Width (ft)	Height (ft)	Gross Volume (cf)	Unit Price \$/cubic ft	Total
Building 17						
Concrete Floor	41	76	0.5	1558	0.86	1,343
Concrete Floor	14	60	0.5	420	0.86	362
Footings (assume 6sqft cross section)	382			2292	0.86	1,976
Bldg 17 Total						3,682
Building 18						
Concrete Floor	40	67	0.5	1340	0.86	1,155
Footings (assume 6sqft cross section)	214			1284	0.86	1,107
Bldg 18 Total						2,263
Building 19						
Concrete Floor	20	93	0.5	930	0.86	802
Footings (assume 6sqft cross section)	226			1356	0.86	1,169
Bldg 19 Total						1,971
Building 35a						
Concrete pad	38	25	0.5	475	0.86	410
Concrete containment walls	126		4	504	0.86	435
Bldg 35 Total						844
Building 75 Shop Building						
Concrete Pad	50	80	0.5	2000	0.86	1,725
Footings (assume 6sqft cross section)	260			1560	0.86	1,345
Bldg 75 Total						3,070
Culvert excavation, removal and disposal (see Table 742d for culvert lengths)						
Track Excavator 325 CL	867	Cubic Yards		23409	\$ 0.06	\$ 1,509
Disposal	1100	ton			\$ 7.00	\$ 7,700
Total Culvert Costs						\$ 9,209
Total Demolition and Disposal						\$ 21,038

Concrete Demolition and Onsite Disposal

Break up and/or Crush	\$ 6.81 /cubic yard
Load into truck (1.3 swell)	\$ 1.86 /cubic yard
Haul approximately 1/2 mile (1.3 swell)	\$ 4.54 /cubic yard
Dispose on site (1.3 swell)	\$ 10.08 /cubic yard
	<u>\$ 23.28 /cubic yard</u>
	\$ 0.86 /cubic foot

DETERMINATION OF BOND AMOUNT - Revegetation and Erosion Control

ITEM	QUANTITY	UNIT COST	COST
Sagebrush Revegetation Areas			
Seed Material Costs	80.60 Acres	\$ 386.00	\$ 31,112
Additional Seed Material Costs (northern sweetvetch)	10.00 Acres	\$ 360.00	\$ 3,600
Application (Hydroseeding - w/ 1000lb/ac mulch and tack)	80.60 Acres	\$ 1,200.00	\$ 96,720
Straw Mulch (2 tons per acre) Materials and labor	80.60 Acres	\$ 1,750.00	\$ 141,050
Erosion Control			
Silt fences (Means 312513101000)	2,500 Linear Feet	\$ 0.79	\$ 1,975
Subtotal Revegetation	80.60 Acres		\$ 274,457
Reseeding 25%	20.15 Acres		\$ 68,614
Total Revegetation			\$ 343,071

Equipment Costs

Based on 2011 Rates from Nelco Contractors, Scamp Excavation and from Nielson Construction
Total Hourly Costs with Operator included

	Scamp	Nelco	Nielson	Rates uses in Bond Calculation
Standard Crawler Dozer				
D10N - Scamp	\$ 230.00			
D8L - Nelco		\$ 195.00		
D10R - Nielson			\$ 320.00	\$ 320.00
Single Engine Conventional Scraper				
631 Scamp	\$ 200.00			
621B Nelco		\$ 195.00		
631E - Nielson			\$ 240.00	\$ 240.00
Multi-Shank Ripper Included with Dozer	\$ -	\$ -	\$ -	\$ -
Off-Highway Water Truck				
Water Truck - Scamp	\$ 70.00			
100 BRL Vac Truck - Nelco		\$ 110.00		
4000 Gal w driver - Nielson			\$ 100.00	\$ 100.00
On-Highway Light Duty Truck - gas powered 4x4 pickup included w/ supervisor - Scamp	\$ 42.50			
1 Ton Pickup Truck - Nelco		\$ 34.00		
Foreman - Nelco		\$ 52.00		
4x4 pickup included with foreman - Nielson			\$ 56.50	\$ 56.50
Track Excavator				
420- Scamp	\$ 160.00			
325- Nelco		\$ 140.00		
325 - Nielson			\$ 135.00	\$ 135.00

EQUIPMENT PRODUCTION
(Caterpillar Performance Handbook)

CAT 651 E SCRAPER	
Slope ranges	2% - 6%
Haul Distance Ranges	1500-3000 ft (one way)
Production	400 - 600 bank cubic yards / hour
CAT D 10 R DOZER	
100 ft ave dozing distance	1800 loose cubic yards / hour
300 ft ave dozing distance	700 loose cubic yards / hour
600 ft ave dozing distance	375 loose cubic yards / hour
MULTISHANK RIPPER on D 10 DOZER	
Seismic Velocity Rate for Topsoil	3000 ft/sec
Production (ideal conditions)	3000 BCY/hr
Track Excavator 325 CL	
	2 yard bucket
Cycle time	0.4 minutes
Riprap Placement efficiency	60%
Riprap production rate	180 yds/hour
Slope gouging 80% efficiency	240 yds/hour
Culvert Ex: 10% eff, 1 yd bucket	15 yds/hour

Nelson Construction Standard Equipment Rates 2011

Price list for 2011, from January 2011

Work Service Description

	Unit	Price
Forman & 4X4 Pickup	Hr.	\$56.50
Project Manager & 4X4 Pickup	Hr.	\$70.00
Grade Setter	Hr.	\$42.50
GPS Survey Tech	Hr.	\$50.00
GPS Survey Equipment	Hr.	\$75.00
Skilled Labor	Hr.	\$42.50
Labor	Hr.	\$30.50
4X4 Pickup	Hr.	\$18.00
4X4 Pickup & Operator Travel Time	Hr.	\$45.00
1 Ton Truck (Roustabout Truck)	Hr.	\$32.00
2 Ton Truck (Roustabout Truck)	Hr.	\$39.00
Float for 1 Ton Truck	Hr.	\$25.00
Gooseneck Trailer (2hr min.)	Hr.	\$22.00
Utility Trailer 16 Ft	Hr.	\$10.00
Forklift IT	Hr.	
Skid Steer Loader & Operator	Hr.	\$76.50
580 Case 4X4 Case Extendahoe & Operator	Hr.	\$73.50
John Deere Mini & Operator	Hr.	\$110.00
416 Backhoe & Operator	Hr.	\$75.00
420 Backhoe & Operator	Hr.	\$85.00
426 Backhoe & Operator	Hr.	\$85.00
430 Backhoe & Operator	Hr.	\$90.00
305 Trackhoe & Operator	Hr.	\$90.00
312 Trackhoe & Operator	Hr.	\$115.00
315 Trackhoe & Operator	Hr.	\$115.00
320 Longstick & Operator	Hr.	\$150.00
320 Backhoe & Operator	Hr.	\$135.00
324 Longstick & Operator (60 ft reach)	Hr.	\$185.00
325 Backhoe & Operator	Hr.	\$135.00
325 Backhoe w/thumb & Operator	Hr.	\$150.00
330 Backhoe & Operator	Hr.	\$170.00
345 Backhoe & Operator	Hr.	225.00
Vermeer T955 Trencher	Hr.	450.00
Robo Track Screen	Month	\$8,500.00
3 Deck Screen	Hr.	\$257.50
John Henry Drill	Hr.	\$310.00
844 Loader & Operator	Hr.	\$195.00
930 Loader & Operator	Hr.	\$90.00
950 Loader & Operator	Hr.	\$100.00
966 Loader & Operator	Hr.	\$120.00
980 B Loader & Operator	Hr.	\$120.00

980 C Loader & Operator	Hr.	\$150.00
980 F Loader & Operator	Hr.	\$160.00
980 H Loader & Operator	Hr.	\$190.00
988 B Loader & Operator	Hr.	\$180.00
Cat Extendable Forklift	Hr.	\$100.00
D5N Dozer & Operator	Hr.	\$125.00
D6 Dozer & Operator	Hr.	\$120.00
D8N Dozer & Operator	Hr.	\$190.00
D8R Dozer & Operator	Hr.	\$200.00
D8T Dozer & Operator	Hr.	\$220.00
D9N Dozer & Operator	Hr.	\$215.00
D9R Dozer & Operator	Hr.	\$240.00
D9T Dozer & Operator	Hr.	\$240.00
D10R Dozer & Operated	Hr.	\$320.00
814 Rubber Tire Dozer & Operator	Hr.	\$135.00
834 Rubber Tire Dozer & Operator	Hr.	\$195.00
963 Track Loader & Operator	Hr.	\$130.00
Double Steer Rig up Truck & Operator	Hr.	\$260.00
C-500 Rig up Truck, 50 Ton & Operator (Winch Truck)	Hr.	\$195.00
35 Ton Winch Truck & Operator	Hr.	\$170.00
Winch Haul Truck	Hr.	\$150.00
Anchor Truck	Hr.	\$140.00
Test Anchors	Per	\$80.00
New Anchors	Per	\$305.00
Hydrovac Truck & Operator	Hr.	\$245.00
Transport & Driver (0-29 Tons)	Hr.	\$135.00
Transport & Driver (30-39 Tons)	Hr.	\$145.00
Transport & Driver (40-49 Tons)	Hr.	\$155.00
Transport & Driver (50-59 Tons)	Hr.	\$170.00
Transport & Driver (60-69 Tons)	Hr.	\$175.00
Transport & Driver (70 & over Tons)	Hr.	\$185.00
Permits will be charged at normal permit price		
Pilot Car	Hr.	\$60.00
10 Wheel Dump Truck (12 c.y.) & Driver	Hr.	\$95.00
10 Wheel Rock Dump Truck & Driver	Hr.	\$105.00
Super Dump & Driver	Hr.	\$110.00
Single Belly Dump (22 c.y.) & Driver	Hr.	\$105.00
Double Belly Dump (28 c.y.) & Driver	Hr.	\$120.00
Semi With End Dump Trailer	Hr.	\$110.00
Flat Bed & Diver	Hr.	\$110.00
Side Dump & Driver	Hr.	\$115.00
Bucket Truck & Driver	Hr.	\$105.00
Snow Plow & Operator	Hr.	\$108.00
Sanding Truck & Driver	Hr.	\$100.00
Snow Blower & Operator	Hr.	\$155.00
769 Cat Rock Truck (35 ton) & Driver	Hr.	\$175.00
140 Motor Grader & Operator	Hr.	\$120.00

140M All Wheel Drive & Operator	Hr.	\$145.00
14 G Motor Grader & Operator	Hr.	\$140.00
14 H Motor Grader & Operator	Hr.	\$145.00
14 M Motor Grader & Operator	Hr.	\$152.25
16 G Motor Grader & Operator	Hr.	\$160.00
16 H Motor Grader & Operator	Hr.	\$177.25
16 M Motor Grader & Operator	Hr.	\$192.25
160H Motor Grade & Operator	Hr.	\$150.00
160M All Wheel Drive & Operator	Hr.	\$175.00
872 John Deere All Wheel & Operator	Hr.	\$165.00
631 D Scraper & Operator	Hr.	\$210.00
631 E Scraper & Operator	Hr.	\$240.00
613 Self Loading Scarper & Operator	Hr.	\$135.00
623 Paddlewheel & Operator	Hr.	\$205.00
627G Scraper & Operator	Hr.	\$235.00
637G Scraper & Operator	Hr.	\$365.00
815 Sheepsfoot Compactor & Operator	Hr.	\$135.50
825 Sheepsfoot Compactor & Operator	Hr.	\$165.00
Sweeper 84" self-Propelled prw broom	Hr.	
1 Ton walk Behind Compactor	Hr.	\$47.00
Wacker Compactor	Hr.	\$25.00
10 Ton Smooth Drum Compactor & Operator	Hr.	\$120.00
Air Track Compressor & Operator (Does not include bits & steels,collars,striker bars)	Hr.	\$190.00
Jackhammer	Hr.	\$28.00
185 Air Compressor	Hr.	\$42.00
6" Water Pump	Hr.	\$30.00
4" Water Pump	Hr.	\$20.00
3" Water Pump	Hr.	\$19.00
2" Water Pump	Hr.	\$16.00
Duo Pack Roller & Operator	Hr.	\$115.00
4000 Gallon Water Truck & Driver (Water Truck)	Hr.	\$100.00
5700 Gallon Water Truck & Driver (Water Tanker)	Hr.	\$110.00
Stain Less Water Tanker & Driver	Hr.	\$110.00
High Preasure Pump Truck	Hr.	\$120.00
Water Wagon 8,000 gallon	Hr.	\$165.00
Water Wagon 10,000 gallon	Hr.	\$180.00
20 Ton Hydraulic Crane & Operator	Hr.	\$115.00
30 Ton Hydraulic Crane & Operator	Hr.	\$140.00
60 Ton Hydraulic Crane & Operator	Hr.	\$170.00
100 Ton Hydraulic Crane & Operator	Hr.	\$235.00
130 Ton Hydraulic Crane & Operator	Hr.	\$275.00
150 Ton Hydraulic Crane & Operator	Hr.	\$290.00
170 Ton Hydraulic Crane & Operator	Hr.	\$315.00
Rigger & Pickup (reg. w/all cranes if cust. Can't provide a cert. rigger)	Hr.	\$45.00
Man Lift & Operator	Hr.	\$87.50

Welder with Truck or Shop Welder	Hr.	\$80.00
Lube Truck & Operator	Hr.	\$71.00
Cutting Torch	Hr.	\$20.00
Steam Cleaner & Truck	Hr.	\$60.00
3" to 4" Pipe Threader	Day	\$60.00
2" to 4" Pipe Bevel Machine	Day	\$60.00
6" to 12" Pipe Bevel Machine	Day	\$71.00
Gas Monitor (Lel, O2, H2S)	Day	\$66.00
4" to 20" Track Star	Hr.	\$90.00
Electo Fusion Machine	Hr.	\$40.00
4" to 12" Fusion Machine	Hr.	\$60.00
2" to 8" Fusion Machine	Hr.	\$32.00
1" to 4" Fusion Machine	Hr.	\$16.00
Sidewinder Machine incl.iron	day	\$42.00
Scaffolding per section	Week	\$23.00
Generator	Hr.	\$30.00
Chain Saw	Hr.	\$28.00
Sand Blaster	Hr.	\$28.00
Airless/Pot Paint Sprayers	Hr.	\$28.00
Oxyace Line Burner Machine	Day	\$28.00
Jack Hammer	Hr.	\$17.00
Gas Cut Off Saw	Hr.	\$17.00
Hilti Drill	Hr.	\$17.00
Tractor & Posthole Digger	Hr.	\$80.00
Tractor Drill	Hr.	\$120.00
Tractor & Disc w/out operator	Hr.	\$135.00
Trash per load	Ld.	\$157.00
Fresh Water From Hydrants	BBL	\$0.01
Fresh Water From Orangeville Pond	BBL	\$0.10
Cat Breaker Ram	Hr.	\$72.00
Machinest Field Rate	Hr.	\$73.25
Machinest Shop Rate	Hr.	\$62.75
Light Plant	Day	\$105.00
Ditch Witch	Hr.	\$100.00
Heater	Day	\$80.00
Trash Basket	Day	\$20.00
Flagger Travel Time	Hr.	\$15.00
Traffic Control	Hr.	\$65.00
Pressure Washer	Hr.	\$48.00
Asphalt/Concrete Saw 14"	Hr.	
Roads Signs per sq ft.	Day	

From: David Basinger [mailto:davebasinger@yahoo.com]
Sent: Thursday, June 23, 2011 4:07 PM
To: scarlson@twinpeakseng.com
Subject: SCA Star Point Seeding: rate sheets/price

Disturbed area mix @ \$386.00/ Acre (24.6 lb/acre).
Utah sweet vetch @ \$60.00/lb PLS

Interim Mix @ \$4.70 /lb PLS

The cost for hydro mulching with tack 1,000 lbs per acre would be \$1,200 per acre with tack.

Straw mulching at 2,000 lbs per acre of certified weed free hay would be \$1,750 per acre.

All of the pricing above include materials and labor as noted.

Thanks
Dave
435-650-7025



BID QUOTE

Skyline Reclamation Inc
 R.R. 1 Box 294
 Fairview, UT 84629
 Office: 435-427-3900
 Fax: 435-427-3911

BID #	
Bid Date	6/10/2011
Due Date	
PO	
Project	
Location	sunnyside co gen plant

To: Rusty Netz
 sunnyside cogen plant

Activity	Quantity	Materials / Equipment	UM	Unit Price	Amount
hydroseed	1 acre	1000lbs mulch, 150lbs tac		\$1,250	\$ 1,250.00
spread straw	1 acre	2000lbs		\$700	\$700.00
mobilization	each time				\$ 500.00
Total					



P.O. Box 282 Price, Utah 84501
Tele: (435) 634-3495 Fax: (435) 634-3497

June 1, 2011

The following is a list of our equipment and their hourly/daily rates to assist your needs:
These rates include machine and operator.

Equipment rates effective 6-1-2011	RATE	RATE w/OT	w/Snow Eq
D-5H Dozer	\$ 104.00 hr.		
D-6D Dozer	\$ 101.00 hr.		\$ 154.00 hr
D-6M Dozer	\$ 116.00 hr.		
1 -8L Dozer	\$ 195.00 hr.		
D-8N Dozer	\$ 175.00 hr.		
D-8R Dozer	\$ 175.00 hr.		
2 21B Scraper	\$ 195.00 hr.		
380 Loader	\$ 110.00 hr		\$ 135.00 hr
500 Loader	\$ 152.00 hr		\$ 165.00 hr
530 Loader	\$ 110.00 hr.	\$ 126.00 hr	
600 Loader	\$ 203.00 hr.		
450 Loader	\$ 152.00 hr		
966 Loader	\$ 120.00 hr.	\$ 136.00 hr	\$ 140.00 hr
416 Backhoe	\$ 92.00 hr.		
420 Backhoe	\$ 92.00 hr.	\$ 108.00 hr	
580 Backhoe	\$ 92.00 hr.		
Skid Steer Loader	\$ 90.00 hr.		
Vermeer Trencher	\$ 135.00 hr.		
Mini Excavator	\$ 90.00 hr		
200 Excavator	\$ 120.00 hr.		
220 Excavator	\$ 130.00 hr.		
220 Excavator w/Screen	\$ 195.00 hr.		
220 Excavator w/Rock Hammer	\$ 205.00 hr.		
240 Excavator	\$ 130.00 hr.		
240 Excavator w/Screen	\$ 195.00 hr.		
240 Excavator w/Rock Hammer	\$ 205.00 hr		
300 Excavator	\$ 155.00 hr.		
320 Excavator	\$ 130.00 hr.		
322 Excavator	\$ 135.00 hr.		
3 25 4 Excavator	\$ 140.00 hr.		

Equipment rates effective 6-1-2011	RATE	RATE w/OT	w/Snow Eq
325 Excavator w/Screen	\$ 170.00 hr.		
330 Excavator	\$ 155.00 hr.		
400 Excavator	\$ 197.00 hr		
Hydro-Excavator	\$ 245.00 hr		
140G Grader	\$ 130.00 hr.		
14G Grader	\$ 140.00 hr.		\$ 180.00 hr
16G Grader	\$ 177.00 hr		\$ 203.00 hr
Forklift	\$ 85.00 hr.		
Raygo Roller	\$ 72.00 hr.		
Dynapac Roller	\$ 100.00 hr.		
Sheep Foot Roller	\$ 100.00 hr.		
BOMAG Smooth Roller	\$ 110.00 hr		
RT Wacker Roller	\$ 55.00 hr.		
Wacker Jumping Jack Compactor	\$ 10.00 hr.	\$ 53.00 day	
Disc (Large)	\$ 85.00 hr.		
Disc (Small)	\$ 70.00 hr.		
Seed Drill	\$ 154.00 hr.		
Tractor only	\$ 95.00 hr.		
Truck w/Spreader	\$ 30.00 hr.		
4-wheeler	\$ 35.00 hr.		
4-wheeler w/Attachments	\$ 55.00 hr.		
Winch Truck	\$ 130.00 hr.		
Tractor/Trailer	\$ 115.00 hr.		
Transport Hourly rate of equipment bein	\$ 135.00 hr.		
Belly Dump	\$ 115.00 hr.		
Belly Dump w/Pup	\$ 120.00 hr.		
End Dump	\$ 100.00 hr.		
30' End Dump	\$ 110.00 hr.		
Side Dump	\$ 115.00 hr.		
Super End Dump	\$ 115.00 hr.		
1 Ton End Dump	\$ 61.00 hr.		
Bucket Truck	\$ 100.00 hr		
Kill Truck	\$ 135.00 hr		
100 Brl Vac Trk	\$ 110.00 hr.		
120 Brl Vac Trk	\$ 120.00 hr.		
23 Ton Boom Truck	\$ 150.00 hr		
40 Ton Boom Truck	\$ 168.00 hr		
1 Ton Pickup Truck	\$ 34.00 hr		
2 Ton Pickup Truck	\$ 68.00 hr		
1 Ton Truck w/30' Trailer	\$ 48.00 hr.		
Pickup Truck	\$ 24.00 hr .	\$ 175.00 day	
Pickup w/Trailer	\$ 40.00 hr		

Equipment rates effective 6-1-2011	RATE	RATE w/OT	w/Snow Eq
Pilot Car w/Driver	\$ 79.50 hr.		
Fuel / Lube/ Service Truck	\$ 120.00 hr.		
Triplex Pump	\$ 75.00 hr.		
Welding Truck	\$ 90.00 hr		
Branch Saddle Machine	\$ 17.00 hr.		
4" Fusion Machine	\$ 13.50 hr	\$ 83.00 day	
8" Fusion Machine	\$ 19.00 hr.	\$ 132.00 day	
12" Fusion Machine	\$ 32.00 hr.	\$ 233.00 day	
18" Fusion Machine	\$ 41.00 hr.	\$ 303.00 day	
Trac Star Fusion Machine	\$ 52.00 hr.		
3500 Watt Generator	\$ 8.50 hr.	\$ 51.00 day	
5000 Watt Generator	\$ 9.50 hr.	\$ 57.00 day	
8000 Watt Generator	\$ 11.50 hr.	\$ 83.00 day	
Cut-Off-Saw	\$ 6.00 hr.	\$ 36.00 day	
Pipe Threader	\$ 11.50 hr.	\$ 86.00 day	
Airless Sprayer	\$ 14.50 hr.	\$ 93.00 day	
Hilti Drill	\$ 10.00 hr.		
185 Compressor	\$ 16.50 hr.	\$ 85.00 day	
185 Compressor w/Drill	\$ 95.00 hr.	\$ 185.00 day	
Chain Saw	\$ 13.00 hr.	\$ 77.00 day	
Laser	\$ 13.00 hr.	\$ 75.00 day	
Portable Welder	\$ 20.00 hr.	\$ 86.00 day	
2" Pump	\$ 5.00 hr.	\$ 40.00 day	
3" Pump	\$ 6.50 hr.	\$ 50.00 day	
6" Pump	\$ 19.50 hr.	\$ 163.00 day	
Sand Blaster		\$ 75.00 day	
Pressure Washer	\$ 31.00 hr.		
Air Track Drill	\$ 126.00 hr.		
Snow Mobile	\$ 33.00 hr	\$ 198.00 day	
Superintendent	\$ 63.00 hr	\$ 85.00 hr	
Foreman	\$ 52.00 hr.	\$ 70.00 hr.	
Skilled Labor	\$ 38.00 hr.	\$ 52.00 hr.	
Labor	\$ 32.00 hr.	\$ 46.00 hr.	
Operator	\$ 40.50 hr.	\$ 56.50 hr.	
Welder	\$ 90.00 hr.	\$ 103.00 hr.	
Shop Mechanic	\$ 70.00 hr.	\$ 91.00 hr.	
Driver	\$ 40.50 hr.	\$ 56.50 hr.	
Mobile Service Truck w/Mechanic	\$ 115.00 hr	\$ 131.00 hr.	

Sincerely,

Larry Jensen
Vice-President, Nelco Contractors, Inc.

Scamp Excavation, Inc.
PO Box 50, Wellington, UT 84542

Rate Sheet
June 01, 2011

Customer:
Sunnyside CoGeneration Power Plant

"24 hours a day, 7 days a week/Have transport will travel"

Equipment	Rate Per Hour	Equipment	Rate per Hour
350L Excavators	\$185.00	Supervisor  1	\$33.50
420 Excavators  2	\$160.00	Leadman	\$30.50
330 Excavator w/Hammer	\$160.00	Skilled Labor	\$30.00
300 Excavator w/Hammer	\$150.00	Laborer	\$28.50
200 Series Excavators	\$120.00	Rock Drill	\$250.00
Mini Excavator w/Hammer Attach	\$125.00	50 ton Lowboy Transport	\$115.00
Mini Excavators	\$85.00	75 Ton Lowboy Transport	\$135.00
D10-N Bulldozers  3	\$230.00	Water Trucks  4	\$70.00
D9L Bulldozers	\$215.00	6x6 Water Trucks	\$80.00
D9R Bulldozers	\$200.00	Vacuum Water Trucks	\$80.00
D9G & D155 Bulldozers	\$150.00	Vacuum Water Trailers	\$80.00
Cat 834 Wheeled Bulldozer	\$140.00	621 Water Wagon	\$120.00
D8 Bulldozers	\$150.00	Rock Trucks	\$185.00
D6 - 6 Way Bulldozer	\$100.00	10 Wheeler Dump Trucks	\$80.00
D5 - 6Way Bulldozer	\$90.00	End Dump Trailers	\$90.00
Volvo Grader	\$120.00	Belly Dump Trailers	\$90.00
163H Graders	\$110.00	Crane: 20 Ton	\$90.00
Champion/Wabco Graders	\$95.00	Pipe Truck	\$60.00
631 Scrapers  5	\$200.00	Service Trucks	\$75.00
13 cuyd Scrapers	\$185.00	Pilot Trucks	\$50.00
988B Loader	\$135.00	6x6 Military Truck	\$55.00
Mega 500 Loader	\$125.00	Hydra Seeder	\$100.00
Mega 400 Loader	\$100.00	Jumping Jack	\$35.00
Loaders	\$95.00	Pump	\$20.00
416B Backhoe	\$80.00	Laser	\$20.00
Breaker Bobcat	\$95.00	Air Shovel	\$45.00
Skid Steer	\$55.00		
Forklifts	\$95.00		
Small Trencher	\$70.00		
815 Compactor	\$130.00		
48" Compactor	\$75.00		
80" Compactor	\$80.00		
Fuser Machine: 2" to 8"	\$60.00		
Fuser Machine: 10" to 18"	\$70.00		

Rates include Operator

For other equipment not listed, rates are available upon request

Rates are subject to change without notice

Materials are Charged Our Cost Plus 20% Service Charge