

# Sunnyside Coal Company

Operations • Highway 123 • P.O. Box 99 • Sunnyside, Utah 84539

July 1, 1992

<sup>7/7</sup>  
PAM - STURP TO  
BE INSERTED  
INTO ACT 1007/1007  
REGARDING SPILL  
Mr. T  
Divis  
355 W 2<sup>nd</sup> H. (NOT ENOUGH COPIES?)  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

2/15  
~~John -  
get these put  
in the plan.  
NO~~  
Henry,  
This I  
CAN FIND  
in the new  
submitted PAM

Re: NOV 92-25-1-1 Slur

Please find enclosed the revised page for the  
you requested for the C-15 Overflow Remediation Plan. We have inserted the  
following which should be inserted in Book 3 (Engineering), Page 22: "The area  
of the C-15 Slurry Ditch Overflow (Occurrence Date 3/18/92) as shown on  
Drawing No. D4-0179 will be reseeded during the fall (1992) planting season after  
scarifying the area with the permit-approved final reclamation seed mix and will  
be monitored for the ten-year responsibility period."

I have also included another copy of the revised Overflow Remediation Plan. I  
tried to contact you on June 29, 1992, when we visited your office but was unable  
to do so.

Should you have any questions or comments, please call.

Need to make  
top plates.

Sincerely,  
*Peter Hess*

Peter H. Hess  
Environmental Coordinator

PH:mh

Enclosures

**Corporate Offices**  
The Registry  
1113 Spruce Street  
Boulder, CO 80302  
303-938-1506  
FAX: 303-938-5050

**Sales Office**  
1350 17th Street  
Suite 350  
Denver, CO 80202  
303-534-3348  
FAX: 303-825-8626

**West Coast Division**  
1345 Astoria Drive  
Fairfield, CA 94533  
707-425-4506

**Operations**  
Highway 123  
P.O. Box 99  
Sunnyside, UT 84539  
801-888-4421  
FAX: 801-888-2581

# Sunnyside Coal Company

Operations • Highway 123 • P.O. Box 99 • Sunnyside, Utah 84539

July 1, 1992

**RECEIVED**

**JUL 06 1992**

**DIVISION OF  
OIL GAS & MINING**

Mr. Tom Monson  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Re: NOV 92-25-1-1 Slurry Ditch Overflow

Please find enclosed the revised page for the Underground Coal Mine permit as you requested for the C-15 Overflow Remediation Plan. We have inserted the following which should be inserted in Book 3 (Engineering), Page 22: "The area of the C-15 Slurry Ditch Overflow (Occurrence Date 3/18/92) as shown on Drawing No. D4-0179 will be reseeded during the fall (1992) planting season after scarifying the area with the permit-approved final reclamation seed mix and will be monitored for the ten-year responsibility period."

I have also included another copy of the revised Overflow Remediation Plan. I tried to contact you on June 29, 1992, when we visited your office but was unable to do so.

Should you have any questions or comments, please call.

Sincerely,  


Peter H. Hess  
Environmental Coordinator

PH:mh

Enclosures

**Corporate Offices**  
The Registry  
1113 Spruce Street  
Boulder, CO 80302  
303-938-1506  
FAX: 303-938-5050

**Sales Office**  
1350 17th Street  
Suite 350  
Denver, CO 80202  
303-534-3348  
FAX: 303-825-8626

**West Coast Division**  
1345 Astoria Drive  
Fairfield, CA 94533  
707-425-4506

**Operations**  
Highway 123  
P.O. Box 99  
Sunnyside, UT 84539  
801-888-4421  
FAX: 801-888-2581

small individual strata. Although not unique habitat, the elimination of these portal highwalls would in most cases only increase the extent of disturbance and could potentially decrease the stability of the adjacent slopes. Talus and bouldery slopes are also common. Sites near these areas will be regraded to blend with the natural steep slopes. Boulders and rock piles may be placed where appropriate for wildlife cover. Each specific site will be blended to the area characteristics.

All boreholes accessing the coal seam at the time of final reclamation, primarily for power cables, will be plugged and filled with cement the entire length of the hole.

#### (2) Reclamation of Disposal Areas

The coarse refuse disposal area is being contemporaneously reclaimed such that the final reclamation will be the last 50 foot increment and the surface area at the top of the slope. The surface area will need leveling and compacting. The remaining area will then be covered with four foot of non-combustible, non-toxic material and revegetated.

The slurry refuse disposal ponds will be drained at the end of mining activities, filled, graded and contoured and covered with four foot of non-combustible, non-toxic material if shown to be necessary by the test plot and revegetated.

The area of the C-15 Slurry Ditch Overflow as shown on Drawing No. D4-0179 will be reseeded during the fall (1992) planting season after scarifying the area with the permit-approved final reclamation seed mix and will be monitored for the ten-year responsibility period.

The industrial waste disposal area is generally contemporaneously reclaimed, but at final reclamation it will be treated as part of the slurry refuse disposal area since it is in the northeast part of that area.

Any non-coal waste including combustibles found, generated or discovered during the final reclamation activities will be disposed in the coarse refuse disposal area prior to its reclamation.

### 5.43 Removal of Facilities

#### (1) Buildings and Other Mining Structures

At the conclusion of mining all surface structures with the exception of those permanent structures marked on Plate 7-4 will be dismantled, removed and the land graded to blend with the surrounding areas. The major area will be the main complex which

Revised Page: June 1992

includes the preparation plant and ancillary facilities, the shops, warehouse and office building, bathhouse, mine tracks and supply yard facilities, and substations. These areas compose approximately 28 acres and were in existence prior to 1977, such that the soil reclamation plan will involve perhaps substitutes and/or amendments to be determined at that time. Outlying facilities, such as other portal areas, ventilation shafts, upper bathhouse, substations, equipment and storage areas, power transmission lines will also

Rest of page intentionally BLANK

small individual strata. Although not unique habitat, the elimination of these portal highwalls would in most cases only increase the extent of disturbance and could potentially decrease the stability of the adjacent slopes. Talus and bouldery slopes are also common. Sites near these areas will be regraded to blend with the natural steep slopes. Boulders and rock piles may be placed where appropriate for wildlife cover. Each specific site will be blended to the area characteristics.

All boreholes accessing the coal seam at the time of final reclamation, primarily for power cables, will be plugged and filled with cement the entire length of the hole.

## (2) Reclamation of Disposal Areas

The coarse refuse disposal area is being contemporaneously reclaimed such that the final reclamation will be the last 50 foot increment and the surface area at the top of the slope. The surface area will need leveling and compacting. The remaining area will then be covered with four foot of non-combustible, non-toxic material and revegetated.

The slurry refuse disposal ponds will be drained at the end of mining activities, filled, graded and contoured and covered with four foot of non-combustible, non-toxic material if shown to be necessary by the test plot and revegetated.

The area of the C-15 Slurry Ditch Overflow as shown on Drawing No. D4-0179 will be reseeded during the fall (1992) planting season after scarifying the area with the permit-approved final reclamation seed mix and will be monitored for the ten-year responsibility period.

The industrial waste disposal area is generally contemporaneously reclaimed, but at final reclamation it will be treated as part of the slurry refuse disposal area since it is in the northeast part of that area.

Any non-coal waste including combustibles found, generated or discovered during the final reclamation activities will be disposed in the coarse refuse disposal area prior to its reclamation.

## 5.43 Removal of Facilities

### (1) Buildings and Other Mining Structures

At the conclusion of mining all surface structures with the exception of those permanent structures marked on Plate 7-4 will be dismantled, removed and the land graded to blend with the surrounding areas. The major area will be the main complex which

includes the preparation plant and ancillary facilities, the shops, warehouse and office building, bathhouse, mine tracks and supply yard facilities, and substations. These areas compose approximately 28 acres and were in existence prior to 1977, such that the soil reclamation plan will involve perhaps substitutes and/or amendments to be determined at that time. Outlying facilities, such as other portal areas, ventilation shafts, upper bathhouse, substations, equipment and storage areas, power transmission lines will also

Rest of page intentionally BLANK

small individual strata. Although not unique habitat, the elimination of these portal highwalls would in most cases only increase the extent of disturbance and could potentially decrease the stability of the adjacent slopes. Talus and bouldery slopes are also common. Sites near these areas will be regraded to blend with the natural steep slopes. Boulders and rock piles may be placed where appropriate for wildlife cover. Each specific site will be blended to the area characteristics.

All boreholes accessing the coal seam at the time of final reclamation, primarily for power cables, will be plugged and filled with cement the entire length of the hole.

## (2) Reclamation of Disposal Areas

The coarse refuse disposal area is being contemporaneously reclaimed such that the final reclamation will be the last 50 foot increment and the surface area at the top of the slope. The surface area will need leveling and compacting. The remaining area will then be covered with four foot of non-combustible, non-toxic material and revegetated.

The slurry refuse disposal ponds will be drained at the end of mining activities, filled, graded and contoured and covered with four foot of non-combustible, non-toxic material if shown to be necessary by the test plot and revegetated.

The area of the C-15 Slurry Ditch Overflow as shown on Drawing No. D4-0179 will be reseeded during the fall (1992) planting season after scarifying the area with the permit-approved final reclamation seed mix and will be monitored for the ten-year responsibility period.

The industrial waste disposal area is generally contemporaneously reclaimed, but at final reclamation it will be treated as part of the slurry refuse disposal area since it is in the northeast part of that area.

Any non-coal waste including combustibles found, generated or discovered during the final reclamation activities will be disposed in the coarse refuse disposal area prior to its reclamation.

## 5.43 Removal of Facilities

### (1) Buildings and Other Mining Structures

At the conclusion of mining all surface structures with the exception of those permanent structures marked on Plate 7-4 will be dismantled, removed and the land graded to blend with the surrounding areas. The major area will be the main complex which

includes the preparation plant and ancillary facilities, the shops, warehouse and office building, bathhouse, mine tracks and supply yard facilities, and substations. These areas compose approximately 28 acres and were in existence prior to 1977, such that the soil reclamation plan will involve perhaps substitutes and/or amendments to be determined at that time. Outlying facilities, such as other portal areas, ventilation shafts, upper bathhouse, substations, equipment and storage areas, power transmission lines will also

Rest of page intentionally BLANK

small individual strata. Although not unique habitat, the elimination of these portal highwalls would in most cases only increase the extent of disturbance and could potentially decrease the stability of the adjacent slopes. Talus and bouldery slopes are also common. Sites near these areas will be regraded to blend with the natural steep slopes. Boulders and rock piles may be placed where appropriate for wildlife cover. Each specific site will be blended to the area characteristics.

All boreholes accessing the coal seam at the time of final reclamation, primarily for power cables, will be plugged and filled with cement the entire length of the hole.

## (2) Reclamation of Disposal Areas

The coarse refuse disposal area is being contemporaneously reclaimed such that the final reclamation will be the last 50 foot increment and the surface area at the top of the slope. The surface area will need leveling and compacting. The remaining area will then be covered with four foot of non-combustible, non-toxic material and revegetated.

The slurry refuse disposal ponds will be drained at the end of mining activities, filled, graded and contoured and covered with four foot of non-combustible, non-toxic material if shown to be necessary by the test plot and revegetated.

The area of the C-15 Slurry Ditch Overflow as shown on Drawing No. D4-0179 will be reseeded during the fall (1992) planting season after scarifying the area with the permit-approved final reclamation seed mix and will be monitored for the ten-year responsibility period.

The industrial waste disposal area is generally contemporaneously reclaimed, but at final reclamation it will be treated as part of the slurry refuse disposal area since it is in the northeast part of that area.

Any non-coal waste including combustibles found, generated or discovered during the final reclamation activities will be disposed in the coarse refuse disposal area prior to its reclamation.

## 5.43 Removal of Facilities

### (1) Buildings and Other Mining Structures

At the conclusion of mining all surface structures with the exception of those permanent structures marked on Plate 7-4 will be dismantled, removed and the land graded to blend with the surrounding areas. The major area will be the main complex which

Revised Page: June 1992

includes the preparation plant and ancillary facilities, the shops, warehouse and office building, bathhouse, mine tracks and supply yard facilities, and substations. These areas compose approximately 28 acres and were in existence prior to 1977, such that the soil reclamation plan will involve perhaps substitutes and/or amendments to be determined at that time. Outlying facilities, such as other portal areas, ventilation shafts, upper bathhouse, substations, equipment and storage areas, power transmission lines will also

Rest of page intentionally BLANK

# Sunnyside Coal Company

Operations • Highway 123 • P.O. Box 99 • Sunnyside, Utah 84539

June 22, 1992

Ms. Pamela Grubaugh-Littig  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Dear Pam:

Re: NOV 92-25-1-1 Slurry Ditch Culvert C-15  
Overflow Remediation Plan (Revised)

The above NOV requires the submittal of a plan to clean the sediments associated with the overflow. Because of the nature of the terrain, two distinct and separate operations are required. Part 1 is for the area below the culvert and above EPC's diversion, which is fairly flat and partially disturbed by EPC. Part 2 consists of the remainder of the area, which is EPC's diversion, an overland area below EPC's diversion outlet to the ravine to Icelander and that ravine.

## Part 1

Sunnyside Coal Company proposes to have the motor grader skim the surface area of the sediments and form a windrow from which a small FEL can load into a small dump truck. This material would be disposed in the Coarse Refuse Pile. After removal of the sediments, the area would be scarified and seeded with our permanent seed mix this fall. Since this area has been disturbed by EPC, we would only monitor the area after these actions.

## Part 2

The remainder of the area of sediments is more difficult to clean up. Access is limited. Terrain in the ravine is nearly impassable by foot, let alone by equipment; and the vegetation growth is in a natural, undisturbed state. Since the sediments were deposited in a man-made flood, Sunnyside Coal Company proposes the following to minimize any further damage:

**Corporate Offices**  
The Registry  
1113 Spruce Street  
Boulder, CO 80302  
303-938-1506  
FAX: 303-938-5050

**Sales Office**  
1350 17th Street  
Suite 350  
Denver, CO 80202  
303-534-3348  
FAX: 303-825-8626

**West Coast Division**  
1345 Astoria Drive  
Fairfield, CA 94533  
707-425-4506

**Operations**  
Highway 123  
P.O. Box 99  
Sunnyside, UT 84539  
801-888-4421  
FAX: 801-888-2581

Ms. Pamela Grubaugh-Littig  
Page 2  
June 22, 1992

- a. An off-channel catchment/evaporation basin will be temporarily constructed above the ravine. The size of the basin would be approximately 25' X 25' and hold approximately 300 gpm for 30 minutes of flow. This flow would be diverted into the basin from the ditch. The flow would originate from the Clear Water Pond, be timed, and should provide another man-made flood of clear water to wash the sediment into the basin. The basin will be allowed to dry out. Manual labor utilizing spade shovels and buckets will be used to clean pockets of sediment deposition. Any fines collected in this manner will be disposed of in the Coarse Refuse Pile. If another flushing is determined to be needed, the process will be done immediately after the basin is dry again. When the sediments are collected in the basin and it has dried, the sediments will be loaded by a small FEL into small dump trucks and disposed in the Coarse Refuse Pile. The basin will be filled in with its excavated soil and revegetated with our permanent seed mix this fall.
- b. A second basin will be constructed on East Carbon City land near Highway 124 and Icelander Wash. Mayor Paul Clark has indicated this is ok; however, we will obtain written permission before any work begins. This basin also may be left to serve the community better than the existing pond. This will be incorporated into the written permission. A copy of the written permission will be provided to DOGM. The location of this second basin will be below the ravine; the manner of operations is identical to the first basin.

The area of the C-15 Slurry Ditch Overflow as shown on Drawing No. D4-0179 will be reseeded during this fall's planting season after scarifying the area with the permit-approved final reclamation seed mix and will be monitored for the ten-year responsibility period.

Sunnyside Coal Company recognizes its responsibility as the cause of this environmental problem and will clean up the sediments as approved by DOGM. These activities will occur on unpermitted property and will be done with full consent of all parties.

Ms. Pamela Grubaugh-Littig  
Page 3  
June 22, 1992

If you have any questions, please call.

Sincerely,

A handwritten signature in cursive script that reads "Peter H. Hess" followed by a stylized flourish or initials.

Peter H. Hess  
Environmental Coordinator

PHH:th

cc: Joe Fielder  
Paul Clark