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UTAH NATURAL RESOURCES
Oil, Gas & Mining

3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • (801) 538-5340

REG 3-3-87

File

John JW 3/2/87

inspection report

Permit No. ACT/007/007

Inspection Date 2/5+6/87

Permittee/Operator Name KAISER COAL CORPORATION (KCC)

Business Address P.O. Box D

City SUNNYSIDE State UTAH Zip 84539

Mine SUNNYSIDE COMPLEX Surface Underground Other

County CARBON State UTAH

Company Official(s) BILL BALAZ ON 2/5, AND CARL WINERS ON 2/6

State Official(s) DAVID LOE

Time of inspection 10:30-4:30 AND 9:30-3:00 RESPECTIVELY a.m. p.m. to a.m. p.m. Partial Complete

Date of last inspection 1/21/87 Weather conditions CLEAR & MILD

Acreage 14,535 Permitted 287.4 Disturbed — Regraded — Seeded 287.4 Bonded

Enforcement Action NONE

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS		YES	NO	N/A	COMMENTS
1. Permits	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Protection of fish, wildlife, and related environmental values	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10. Slides and other damage	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. Contemporaneous reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Hydrologic balance					12. Backfilling and grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a - Stream channel diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b - Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Subsidence control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c - Sediment ponds and impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Cessation of operations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d - Other sediment control measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Roads				
e - Surface and groundwater monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	a - Construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f - Effluent limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	b - Drainage controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	c - Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Development waste and spoil disposal	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	d - Maintenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Coal processing waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17. Other transportation facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Noncoal waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18. Support facilities and utility installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE/OPERATOR GOLDENROD - NOV FILE

INSPECTION REPORT COMMENTS

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Please number comments to correspond with topics on previous page.

1) PERMITS

ON 11/7/86 KCC RECEIVED CONDITIONAL APPROVAL FOR THE CONSTRUCTION OF THEIR NEW 555F SEDIMENT POND. THE APPROVAL GAVE KCC UNTIL 12/15/86 TO COMPLETE CONSTRUCTION, THIS DEADLINE WAS EXTENDED UNTIL 6/1/87, ON 12/22/86, BY MODIFYING NOV NB6-4-12-1.

ON 1/5/87 KCC RECEIVED CONDITIONAL APPROVAL FOR THE CONSTRUCTION OF THE CRT SEDIMENT POND. THE ^{approval} REQUIRES COMPLETION OF THE POND BY 6/1/87 AND PERMANENT RECLAMATION OF THE BORROW AREA ON THE EAST SIDE OF THE RAILROAD TRACKS IF THIS AREA IS NOT INCLUDED IN THE PROPOSED COARSE REFUSE AREA EXPANSION.

ON 1/7/87 THE DIVISION GRANTED APPROVAL OF KCC'S NEW DISCHARGE POINT 015, WHICH HAD ALREADY BEEN APPROVED BY ^{THE} NEPA.

4a) STREAM CHANNEL DIVERSIONS

I BRIEFLY DISCUSSED WITH MR. WINTERS THE POSSIBILITY OF INSTALLING CREST STAGE GAGES IN THE NEWLY RECONSTRUCTED PORTION OF ICELANDER WASH. THE PURPOSE OF THE GAGES IS TO DETERMINE PEAK FLOWS IN THE CHANNEL FOR PRECIPITATION/RUNOFF EVENTS AND HELP DETERMINE THE EFFECTIVENESS ^{STABILITY} OF THE CHECK DAMS AS THEY WERE CONSTRUCTED. MR. WINTERS INDICATED A WILLINGNESS TO INSTALL THE GAGES WITH THE DIVISION'S HELP.

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4b) ~~THE~~ DIVERSIONS

THE OPERATOR WAS ASKED TO MAINTAIN THE DISTURBED AREA RUNOFF
DIVERSION ALONG THE PARKING LOT PAD NEAR THE NO. 1 MINE TRAIN BRIDGE
IN ORDER TO INSURE A FREE DRAINAGE PATH.

THE OPERATOR IS SUBMITTING PLANS TO THE DIVISION BY 2/17/87 WHICH WILL
ADDRESS EROSION CONTROL ^{IN} THE DISTURBED AREA RUNOFF DIVERSION THAT RUNS
PARALLEL TO GRASSY TRAIL CREEK WEST OF THE BATH HOUSE.

4c) SEDIMENT PONDS AND IMPOUNDMENTS

WEEKLY IMPOUNDMENT INSPECTION REPORTS WERE AVAILABLE FOR THE EAST
& WEST SLURRY CELLS (ESC + WSC) THROUGH 2/2/87. SOME MINOR BURNING
PROBLEMS IN THE ESC EMBANKMENT WERE REPORTED & WERE TAKEN CARE OF
(THIS WAS VERIFIED DURING MY FIELD INSPECTION). ACCORDING TO THE REPORTS
THE BANKS ARE STABLE & THERE ARE NO VISIBLE HAZARDS. THE SLURRY WAS
DIVERTED FROM THE ESC BACK INTO SLURRY POND #1 ON 1/29/87.

QUARTERLY SEDIMENT POND INSPECTION REPORTS WERE AVAILABLE THROUGH
THE 4TH QUARTER OF 1986, THERE WERE NO EVIDENT PROBLEMS.

ALL THE PONDS I INSPECTED APPEARED TO BE IN GOOD CONDITION.

4d) OTHER SEDIMENT CONTROL MEASURES

THE OPERATOR HAD SUCCESSFULLY REGRADED THE CULVERT C-8 (DRAWING D4-010)

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AREA TO INSURE PROPER CONTROL OF ALL DISTURBED AREA RUNOFF.

THE DRAINAGE CONTROLS IN THE #2 CANYON UPPER CROSSING AREA, WHICH DIVERT DISTURBED AREA RUNOFF AWAY FROM THE BRIDGE AND INTO THE LOWER #2 CANYON SEDIMENT POND, WERE ADEQUATELY MAINTAINED. MR. WINTERS TOLD ME THAT AS SOON AS WEATHER ALIGNS THEY ARE GOING TO CLEAN OFF THE BRIDGE & IT'S APPROACHES, LAY DOWN OVERLAPPING CONVEYOR BELTING ON THE BRIDGE, AND THEN RAISE THE GRADE OF THE BRIDGE TO PREVENT WATER FROM RUNNING ONTO IT.

4e) SURFACE AND ^{GROUND} WATER MONITORING

ALL SURFACE WATER MONITORING POINTS HAD BEEN SAMPLED THROUGH 1/29/87 ACCORDING TO THE OPERATORS FIELD MEASUREMENT BOOK. SAMPLE ANALYSIS WERE AVAILABLE THROUGH 11/26/86 AND APPEARED TO BE COMPLETE.

THE IN-MINE SAMPLING POINTS HAD BEEN SAMPLED THROUGH THE 4TH QUARTER OF 1986 WITH THE EXCEPTION OF THREE OF THE POINTS LISTED IN THEIR PERMIT. DRILL HOLE #25 HAS BEEN MINED PAST AND THE AREA COLLAPSED SO IT'S NOT ACCESSIBLE. THE 18TH LEFT OUTSIDE (MANDIPI) & 15TH LEFT OUTSIDE (MANSHAFT) MONITORING POINTS ARE AT THE ENDS OF LONGWALL PANELS AND WATER NO LONGER FLOWS TO THESE POINTS. IT GOES THROUGH THE GOB TO 19TH LEFT OUTSIDE & IS MONITORED AT THAT POINT. I TOLD MR. WINTERS THAT KCC MUST SUBMIT THE ABOVE CHANGES TO THEIR

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MONITORING PROGRAM, TO THE DIVISION BY 2/27/87.

4F) EFFLUENT LIMITATIONS

NPDES REPORTS WERE AVAILABLE THROUGH THE 4TH QUARTER OF 1986, THERE WERE NO PROBLEMS EVIDENT.

THE MANSHAFT MINE WATER POND (001) ~~IS~~ WAS INACTIVE BECAUSE OF PROBLEMS WITH PUMPS IN THE MINE, THE POND WAS ALMOST DRY.

WATER SAMPLES FOR TSS, TDS AND OIL + GREASE WERE TAKEN FROM BOTH THE WHITMORE FAN MINE WATER POND (002) AND THE CLEAR WATER POND, THERE WERE NO VISIBLE PROBLEMS WITH THE EFFLUENT.

THE WATER TANK OVERFLOW (015) WAS DISCHARGING SEVERAL HUNDRED GPM AT A HIGH VELOCITY. THE OUTLET FOR 015 IS IN THE UPPER END OF THE #2 CANYON CULVERT UNDER THE ^{PARS} ^{REFUSE} CR HAUL ROAD. IT APPEARED THAT SINCE DISCHARGE WAS INITIATED THAT A SUBSTANTIAL ~~AMOUNT~~ AMOUNT OF SEDIMENT WHICH HAD BEEN DEPOSITED IN THE CULVERT, OVER IT'S LIFE TIME, HAD BEEN ERODED AND CARRIED INTO GRASSY TRAIL CREEK. A SAMPLE WAS TAKEN OF THE DISCHARGE, TO CHECK EFFLUENT LIMITATIONS, AND A SAMPLE WAS TAKEN JUST ABOVE #2 CANYON'S CONFLUENCE WITH GRASSY TRAIL CREEK. THE TWO SAMPLES WILL BE COMPARED TO DETERMINE IF THERE'S ANY SIGNIFICANT INCREASE IN TSS BETWEEN THE TWO POINTS.

ON 1/27/87 THE DIVISION RECEIVED A MODIFICATION REQUEST FROM KCC

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TO DISCONTINUE TREATMENT OF THE COARSE REFUSE TDE SEEP. THE OPERATOR PROPOSES TO CONTINUE MONITORING THE SEEP FOR HIGH IRON CONCENTRATIONS AND RESUMPTION OF TREATMENT AS NECESSARY.

7) COAL PROCESSING WASTE

QUARTERLY CERTIFIED PE INSPECTION REPORTS FOR THE COARSE REFUSE PILE WERE AVAILABLE THROUGH 12/9/86. THE OPERATOR IS STARTING TO LAY BACK THE OUTSLOPE NEAR THE TOP TO 4:1 IN ORDER TO TRY TO GET THE WSC ON LINE AS SOON AS POSSIBLE. THE FILL IS BEING COMPACTED IN ~ 24" LIFTS, PILES WERE WELL SPACED AND THERE WERE NO VISIBLE HAZARDS. KCC IS IN THE PROCESS OF PERMITTING AN EXPANSION OF THE REFUSE PILE AND HOPE THEY HAVE ROOM IN THE EXISTING PILE TO AT LEAST AUGUST WHEN THEY ANTICIPATE APPROVAL OF THE EXPANSION.

THE ESC IS CURRENTLY DRYING OUT AND HAS ADEQUATE FREEBOARD. KCC HAD BERMED UP EARTH MATERIAL ON THE WEST SIDE OF THE ESC SINCE MY LAST INSPECTION, APPARENTLY AS A PRECAUTIONARY MEASURE. SLURRY WAS BEING DIRECTED INTO SLURRY POND (SP) #1 AND SP#2 WAS BEING CLEANED OUT. MR. WINTERS WAS TOLD TO HAVE THE MATERIALS BEING CLEANED FROM SP#2 AND DUMPED BY THE WSC, GRADED OUT + COMPACTED IN 2' LIFTS.

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16d) ROAD MAINTENANCE

MR. WINTERS WAS REMINDED OF KCC'S DEADLINE OF 4/15/87 TO CLEAR OUT DEBRIS IN THE Ephemeral CHANNEL UNDER THE BRIDGE WHICH CROSSES OVER TO THE OLD COARSE REFUSE HAUL ROAD SEDIMENT POND.

THE ROAD UP NORTH FAN CANYON WAS IN GOOD CONDITION, IT HAD BEEN GRADED AND WATER BARS INSTALLED SINCE MY LAST INSPECTION OF THIS SITE.

18) SUPPORT FACILITIES AND UTILITY INSTALLATIONS

A DEADLINE OF 6/1/87 WAS SET FOR THE COMPLETION OF REGRADING THE #2 CANYON ~~AREA~~ CHANNEL AREA WHICH THE OPERATOR DISTURBED IN DEC. 1986, ~~IN~~ ORDER TO REPAIR A BROKEN WATER SUPPLY LINE.

Copy of report mailed to DONNA GRIFFIN - OSM CARL WINTERS - KCC

Copy of report given to JOE HELFRICH + JOHN WHITENED - DOGM

Inspector's signature David [Signature] 2/26/87 No. #4

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