

NPDES Permit No. IL0076651

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue, East

P.O. Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

New NPDES Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Christian Coal Company, Inc.
8874 Kingston Pike
Knoxville, TN 37923

Facility Name and Address:

Christian Coal Company, Inc.
Taylorville Mine
1 1/2 miles northeast of Taylorville, Illinois
(Christian County)

Discharge Number and Name:

002 Acid Mine Drainage

003, 004 Alkaline Mine Drainage

Receiving waters

Unnamed tributary to South Fork Sangamon River

Unnamed tributary to South Fork Sangamon River

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C and/or Subtitle D Rules and Regulations of the Illinois Pollution Control Board, and the Clean Water Act, the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Ronald E. Morse, Manager
Mine Pollution Control Program
Bureau of Water

REM:LDC:BK:jkb/2847c/07-08-03

NPDES Coal Mine Permit

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Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	lbs/day		LIMITS mg/l			
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		

From the effective date of this Permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall: 002* (Acid Mine Drainage)

Flow (MGD)					Measure When Monitoring	
Total Suspended Solids			35.0	70.0	***	Grab
Iron (total)			3.0	6.0	***	Grab
pH	The pH shall not be less than 6.0 nor greater than 9.0				3/month	Grab
Alkalinity/ Acidity	Total acidity shall not exceed total alkalinity				1/month	Grab
Sulfates				500	***	Grab
Chlorides				500	***	Grab
Manganese (total)				1.0	***	Grab

* Discharge from this outfall shall not be allowed until such time that the requirements of Special Condition No. 7 have been fulfilled.

*** There shall be a minimum of nine (9) samples collected during the quarter when the pond is discharging. Of these 9 samples, a minimum of one sample each month shall be taken during base flow conditions. A "no flow" situation is not considered to be a sample of the discharge. A grab sample of each discharge caused by the following precipitation event(s) shall be taken for the following parameters during at least 3 separate events each quarter. For quarters in which there are less than 3 such precipitation events resulting in discharges, a grab sample of the discharge shall be required whenever such precipitation event(s) occur(s). The remaining three (3) samples may be taken from either base flow or during precipitation event.

Any discharge or increase in the volume of a discharge caused by precipitation within any 24-hour period greater than the 1-year, 24-hour precipitation event, but less than or equal to the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) shall comply with the following limitations instead of those in 35 Ill. Adm. Code 406.106(b). The 1-year, 24-hour precipitation event for this area is considered to be 2.59 inches. The 10 year, 24 hour precipitation event is considered to be 4.65 inches.

<u>Pollutant or Pollutant Property</u>	<u>Effluent Limitations</u>
Settleable Solids	0.5 ml/l daily maximum
pH	6.0 - 9.0 at all times

In accordance with 35 Ill. Adm. Code 406.110(d), any discharge or increase in the volume of a discharge caused by precipitation within any 24-hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) shall comply with the following limitations instead of those in 35 Ill. Adm. Code 406.106(b). The 10 year, 24 hour precipitation event is considered to be 4.65 inches.

<u>Pollutant or Pollutant Property</u>	<u>Effluent Limitations</u>
pH	6.0 - 9.0 at all times

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PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		

From the effective date of this Permit until the expiration date, the effluent of the following discharge shall be monitored and limited at all times as follows:

PARAMETER	Outfalls:	003*, 004*	(Alkaline Mine Drainage)		SAMPLE FREQUENCY	SAMPLE TYPE
Flow (MGD)					Measure When Monitoring	
Total Suspended Solids			35.0	70.0	***	Grab
Iron (total)			3.0	6.0	***	Grab
pH	The pH shall not be less than 6.0 nor greater than 9.0				1/month	Grab
Alkalinity/ Acidity	Total acidity shall not exceed total alkalinity				1/month	Grab
Sulfates				500	***	Grab
Chlorides				500	***	Grab

* Discharge from this outfall shall not be allowed until such time that the requirements of Special Condition No. 7 have been fulfilled.

*** There shall be a minimum of nine (9) samples collected during the quarter when the pond is discharging. Of these 9 samples, a minimum of one sample each month shall be taken during base flow conditions. A "no flow" situation is not considered to be a sample of the discharge. A grab sample of each discharge caused by the following precipitation event(s) shall be taken for the following parameters during at least 3 separate events each quarter. For quarters in which there are less than 3 such precipitation events resulting in discharges, a grab sample of the discharge shall be required whenever such precipitation event(s) occur(s). The remaining three (3) samples may be taken from either base flow or during precipitation event.

Any discharge or increase in the volume of a discharge caused by precipitation within any 24-hour period less than or equal to the 10-year, 24-hour precipitation event (or snowmelt or equivalent volume) shall comply with the following limitations instead of those in 35 Ill. Adm. Code 406.106(b). The 10-year, 24-hour precipitation event for this area is considered to be 4.65 inches.

<u>Pollutant or Pollutant Property</u>	<u>Effluent Limitations</u>
Settleable Solids	0.5 ml/l daily maximum
pH	6.0 - 9.0 at all times

In accordance with 35 Ill. Adm. Code 406.110(a), any discharge or increase in the volume of a discharge caused by precipitation within any 24-hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) shall comply with the following limitations instead of those in 35 Ill. Adm. Code 406.106(b).

<u>Pollutant or Pollutant Property</u>	<u>Effluent Limitations</u>
pH	6.0 - 9.0 at all times

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PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		

Upon completion of Special Condition 8 and approval from the Agency, the effluent of the following discharges shall be monitored and limited at all times as follows:

Outfalls: 002, 003, 004 (Reclamation Area Drainage)

Flow (MGD)					Measure When Monitoring	
Settleable Solids			0.5 ml/l		1/month	Grab
pH	The pH shall not be less than 6.0 nor greater than 9.0				1/month	Grab
Sulfates			500		1/month	Grab
Chlorides			500		1/month	Grab

In addition to the above base flow sampling requirements, a grab sample of each discharge caused by the following precipitation event(s) shall be taken (for the following parameters) during at least 3 separate events each quarter. For quarters in which there are less than 3 such precipitation events resulting in discharges, a grab sample of the discharge shall be required whenever such precipitation event(s) occur(s).

In accordance with 35 Ill. Adm. Code 406.109(c), any discharge or increase in the volume of a discharge caused by precipitation within any 24-hour period greater than the 10-year, 24-hour precipitation event (or snowmelt of equivalent volume) shall comply with the following limitations instead of those in 35 Ill. Adm. Code 406.106(b). The 10 year, 24 hour precipitation event for this area is considered to be 4.65 inches.

<u>Pollutant or Pollutant Property</u>	<u>Effluent Limitations</u>
pH	6.0 - 9.0 at all times

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PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		

Upon completion of Special Condition 9 and approval from the Agency, the effluent of the following discharges shall be monitored and limited at all times as follows:

Outfalls: 002, 003, 004 (Stormwater Discharge)

Settleable Solids			0.5 ml/l		1/Year	Grab
pH	The pH shall not be less than 6.0 nor greater than 9.0				1/Year	Grab

Storm water discharge monitoring is subject to the following reporting requirements:

Analysis of samples must be submitted with second quarter Discharge Monitoring Reports.

If discharges can be shown to be similar, a plan may be submitted by November 1 of each year preceding sampling to propose grouping of similar discharges and/or updated previously submitted groupings. If updating of a previously submitted plan is not necessary, a written notification to the Agency, indicating such is required. Upon approval from the Agency, one representative sample for each group may be submitted.

Annual storm water monitoring is required for all discharges until Final SMCRA Bond is released and approval to cease such monitoring is obtained from the Agency.

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Construction Authorization No. 5028-03

C.A. Date: June 9, 2003

Engineer: Harold R. Gaston, P.E., Gaston Engineering, Inc.

Authorization is hereby granted to the above designee to construct the mine and mine refuse area described as follows:

Surface facilities for an underground mine consisting of 237.3 acres located in Section 13, Township 13 North, Range 2 West, 3rd P.M., Christian County. This site is also identified as IDNR/OMM Permit No. 358 area.

Facilities consist of a mine portal, screen and breaker building, coal stockpiles, refuse and coal combustion waste disposal areas, railroad loop, office building with associated parking, soil stockpiles, diversions and sedimentation ponds.

Surface drainage will be controlled by four sedimentation ponds. Three of these ponds will have permitted outfalls. Pond 001 will report to Pond 002, will be utilized for treatment of runoff from the coal combustion waste disposal area, and will not have a permitted outfall. In addition to the discharge from Pond 001, Pond 002 will receive drainage from refuse piles and the preparation plant area and will have a permitted discharge designated as Outfall 002. Ponds 003 and 004 with respectively numbered outfalls, receive drainage from soil stockpiles only. Outfall 002 is classified as acid mine drainage while Outfalls 003 and 004 are classified as alkaline mine drainage. All outfalls will report to an unnamed tributary to South Fork Sangamon River.

<u>Outfall Locations</u>		
<u>Outfall</u>	<u>Latitude (North)</u>	<u>Longitude (West)</u>
002	39°34'55.1"	89°16'9.7"
003	39°34'54.4"	89°15'24.2"
004	39°34'39.4"	89°15'24.2"

Facility construction is subject to the requirements of Condition No. 12.

Groundwater monitoring requirements are outlined in Condition 13.

Coal combustion waste disposal is subject to the requirements of Condition 14.

The abandonment plan shall be executed and completed in accordance with 35 Ill. Adm. Code 405.109 as detailed in IEPA Log Nos. 5028-03, 5028-03-A, and 5028-03-B.

All water remaining upon abandonment must meet the requirements of 35 Ill. Adm. Code 406.202. For the constituents not covered by Parts 302 or 303, all water remaining upon abandonment must meet the requirements of 35 Ill. Adm. Code 406.106.

This Authorization is issued subject to the following Conditions. If such Conditions require additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval to secure issuance of a Supplemental Authorization to Construct.

1. If any statement or representation is found to be incorrect, this permit may be revoked and the permittee thereupon waives all rights thereunder.
2. The issuance of this permit (a) shall not be considered as in any manner affecting the title of the premises upon which the mine or mine refuse area is to be located; (b) does not release the permittee from any liability for damage to person or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (c) does not take into consideration the structural stability of any units or parts of the project; and (d) does not release the permittee from compliance with other applicable statutes of the State of Illinois, or with applicable local laws, regulations or ordinances.
3. Final plans, specifications, application and supporting documents as submitted by the person indicated on Page 1 as approved shall constitute part of this permit and are identified by Log Nos. 5028-03, 5028-03-A, and 5028-03-B in the records of the Illinois Environmental Protection Agency.

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4. There shall be no deviations from the approved plans and specifications unless revised plans, specifications and application shall first have been submitted to the Illinois Environmental Protection Agency and a supplemental permit issued.
5. The permit holder shall notify the Environmental Protection Agency (217/782-3637) immediately of an emergency at the mine or mine refuse area which causes or threatens to cause a sudden discharge of contaminants into the waters of Illinois and shall immediately undertake necessary corrective measures as required by 35 Ill. Adm. Code 405.111. (217/782-3637 for calls between the hours of 5:00 p.m. to 8:30 a.m. and on weekends.)
6. The termination of an NPDES discharge monitoring point or cessation of monitoring of an NPDES discharge is not authorized by this Agency until the permittee submits adequate justification to show what alternate treatment is provided or that untreated drainage will meet applicable effluent and water quality standards.
7. Initial construction activities in areas to be disturbed shall be for collection and treatment facilities only. Prior to the start of other activities, surface drainage controls shall be constructed and operated to avoid violations of the Act or Subtitle D. At such time as runoff water is collected in the sedimentation pond, a sample shall be collected and analyzed for the parameters designated as 1M-15M under Part 5-C of Form 2C and the effluent parameters designated herein with the results sent to this Agency. Should additional treatment be necessary to meet the standards of 35 Ill. Adm. Code 406.106, a Supplemental Permit must be obtained. Discharge from this pond is not allowed unless applicable effluent standards of Subtitle D are met at the basin discharge(s).
8. This Agency must be informed in writing and an application submitted if drainage, which was previously classified as alkaline (pH greater than 6.0), becomes acid (pH less than 6.0) or ferruginous (base flow with an iron concentration greater than 10 mg/l). The type of drainage reporting to the basin should be reclassified in a manner consistent with the applicable rule of 35 Ill. Adm. Code 406 as amended in R84-29 at 11 Ill. Reg. 12899. The application should discuss the treatment method and demonstrate how the discharge will meet the applicable standards.
9. A permittee has the obligation to add a settling aid if necessary to meet the suspended solids or settleable solids effluent standards. The selection of a settling aid and the application practice shall be in accordance with a. or b. below.
 - a. Alum ($\text{Al}_2(\text{SO}_4)_3$), hydrated slime ($\text{Ca}(\text{OH})_2$), soda ash (Na_2CO_3), alkaline pit pumpage, acetylene production by-product (tested for impurities), and ground limestone are acceptable settling aids and are hereby permitted for alkaline mine drainage sedimentation ponds.
 - b. Any other settling aids such as commercial flocculents and coagulants are permitted only on prior approval from the Agency. To obtain approval a permittee must demonstrate in writing to the Agency that such use will not cause a violation of the toxic substances standard of 35 Ill. Adm. Code 302.210 or of the appropriate effluent and water quality standards of 35 Ill. Adm. Code parts 302, 304, and 406.
10. A general plan for the nature and disposition of all liquids used to drill boreholes shall be filed with this Agency prior to any such operation. This plan should be filed at such time that the operator becomes aware of the need to drill unless the plan of operation was contained in a previously approved application. After settling, recirculation water which meets the requirements of 35 Ill. Adm. Code 406.106 and 406.202, may be discharged. The use of additives in the recirculation water which require treatment other than settling to comply with the Act will require a revised permit.
11. Any of the following shall be a violation of the provisions required under 35 Ill. Adm. Code 406.203(c):
 - A. It is demonstrated that an adverse effect on the environment in and around the receiving stream has occurred or is likely to occur.
 - B. It is demonstrated that the discharge has adversely affected or is likely to adversely affect any public water supply.
 - C. The Agency determines the permittee is not utilizing good mining practices as defined in 35 Ill. Adm. Code 406.204 which are applicable in order to minimize the discharge of total dissolved solids, chloride, sulfate, iron and manganese.

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C.A. Date: June 9, 2003

12. To provide and ensure protection of the Class I Potable Resource Groundwater in the area of this facility, a compacted clay, synthetic, or equivalent liner(s) shall be provided. Based on the hydrogeologic information provided, a 5 ft. compacted clay liner or synthetic liner shall be required to achieve a maximum hydraulic conductivity of 1×10^{-7} cm./sec. or less. The specific areas of concern are:
- a. Coarse refuse disposal area.
 - b. Coal combustion waste disposal area.
 - c. Clean and raw coal stockpile areas.
 - d. Sedimentation Basins 001 and 002.
 - e. Ditches and /or drainageways conveying runoff from coarse refuse disposal area, coal combustion waste disposal area, and the clean and raw coal stockpile areas to Basins 001 and 002.

In lieu of the 5 ft. compacted clay liner, the following alternatives and/or approaches may be considered.

- a. Appropriate modeling shall be performed to demonstrate that a compacted clay liner of thickness less than 5 ft. will insure compliance with the 35 Ill. Adm. Code 620.410 Class I Potable Resource Groundwater standards.
- b. Appropriate analyses of the material to be disposed, stored or conveyed may be utilized to assist in justification or demonstration of the suitability of liner of lesser thickness.
- c. A test liner shall be constructed prior to the construction of the actual full scale compacted earth liners. Requirements for the test liner will be based upon the requirements contained in 35 Ill. Adm. Code Section 811.507.

Any proposed changes, modifications or alternatives to a 5 ft. compacted clay liner shall be submitted to and approved by the Agency prior to any such modifications or alternatives being implemented.

13. Groundwater monitoring requirements for Monitoring Well Nos. MW-4 and MW-14 through MW-21 are as follows:
- a. The referenced monitoring wells shall be installed as depicted in IEPA Log No. 5028-03-B and in accordance with 35 Ill. Adm. Code 620.240(f)(1). Drill logs and completion diagrams for each well shall be submitted to the Agency within 30 days of well completion.
 - i. Wells installed for monitoring of coal refuse and coal combustion waste disposal areas shall be located a maximum horizontal distance of 25 feet from the toe of the disposal area and shall be screened in the uppermost permeable layer with a casing extending at least 10 feet below the land surface.
 - b. Ambient background sampling and analysis for each monitoring well shall be conducted six (6) times during the first year of operation. Sampling and analysis shall be performed at times to account for seasonal variations (approximately bi-monthly), with the analyses to include the following constituents:

Antimony	Chromium	Manganese	Thallium
Arsenic	Cobalt	Mercury	Total Dissolved Solids
Barium	Copper	Nickel	Zinc
Beryllium	Cyanide	Phenols	pH
Boron	Fluoride	Selenium	Acidity
Cadmium	Iron	Silver	Alkalinity
Chloride	Lead	Sulfate	Water Elevation

- c. Following ambient background monitoring, quarterly routine monitoring shall be performed for the constituents identified in (b.) above.
 - i. Monitoring reports shall be submitted in duplicate to the Agency at the following address.

Illinois Environmental Protection Agency
Mine Pollution Control Program
2309 West Main Street, Suite 116
Marion, IL 62959

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C.A. Date: June 9, 2003

- ii. The reporting schedule for groundwater monitoring data is as follows:

<u>Reporting Period</u>	<u>Due Date</u>
January, February, March	May 1
April, May, June	August 1
July, August, September	November 1
October, November, December	February 1

- 14. Coal combustion waste disposal requirements are as follows.

- a. No coal combustion waste shall be disposed until approval is obtained from the Agency for each individual CCW source proposed for disposal. Application for disposal of individual CCW sources should be submitted at least 180 days before disposal is proposed to commence. It is noted that an NPDES permit modification may be required based on a review of the analysis required to be submitted with the application for disposal.
- b. Following Agency approval, quarterly analysis of a representative sample of each individual coal combustion waste disposed during that quarter will be required as follows:

- i. A Toxicity Characteristics Leaching Procedure (TCLP) analysis shall be conducted for the following contaminants:

Antimony	Cobalt	Phenol
Arsenic	Copper	Selenium
Barium	Iron	Silver
Beryllium	Lead	Thallium
Boron	Manganese	Zinc
Cadmium	Mercury	
Chromium	Nickel	

- ii. An appropriate leaching procedure shall be conducted for the following contaminants:

Chloride	Fluoride	Sulfate
Cyanide		

- iii. An appropriate laboratory analysis on a slurry paste shall include the following:

Acidity	pH
Alkalinity	Total Dissolved Solids

- c. Quarterly CCW analyses shall be submitted in duplicate to the Agency at the address provided under Condition No. 13(c)(i) above.
- d. The reporting schedule for CCW analyses shall coincide with the reporting schedule outlined in Condition No. 13(c)(ii) above.

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Special Conditions

Special Condition No. 1: No effluent from any mine related facility area under this permit shall, alone or in combination with other sources, cause a violation of any applicable water quality standard as set out in the Illinois Pollution Control Board Rules and Regulations, Subtitle C: Water Pollution.

Special Condition No. 2: Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

Special Condition No. 3: The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month. The Discharge Monitoring Report forms shall be submitted to the Agency in accordance with the schedule outlined in Special Condition No. 4 below.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Ave., East
P.O. Box 19276
Springfield, Illinois 62794-9276

Attn: Compliance Assurance Section

Special Condition No. 4: The completed Discharge Monitoring Report form shall be retained by the permittee for a period of three months and shall be mailed and received by the IEPA in accordance with the following schedule, unless otherwise specified by the permitting authority.

Period	Received by IEPA
January, February, March	April 15
April, May, June	July 15
July, August, September	October 15
October, November, December	January 15

Special Condition No. 5: If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

Special Condition No. 6: The permittee shall notify the Agency in writing by certified mail within thirty days of abandonment, cessation, or suspension of active mining for thirty days or more unless caused by a labor dispute. During cessation or suspension of active mining, whether caused by a labor dispute or not, the permittee shall provide whatever interim impoundment, drainage diversion, and wastewater treatment is necessary to avoid violations of the Act or Subtitle D.

Special Condition No. 7: Plans must be submitted to and approved by this Agency prior to construction of a sedimentation pond. At such time as runoff water is collected in the sedimentation pond, a sample shall be collected and analyzed for the parameters designated as 1M-15M under Part 5-C of Form 2C and the effluent parameters designated herein with the results sent to this Agency. Should additional treatment be necessary to meet these standards, a Supplemental Permit must also be obtained. Discharge from a pond is not allowed unless applicable effluent and water quality standards are met.

Special Condition No. 8: The special reclamation area effluent standards of 35 Ill. Adm. Code 406.109 apply only on approval from the Agency. To obtain approval, a request form and supporting documentation shall be submitted 45 days prior to the month that the permittee wishes the discharge be classified as a reclamation area discharge. The Agency will notify the permittee upon approval of the change.

Special Condition No. 9: The special stormwater effluent standards apply only on approval from the Agency. To obtain approval, a request with supporting documentation shall be submitted 45 days prior to the month that the permittee proposes the discharge to be classified as a stormwater discharge. The documentation supporting the request shall include analysis results indicating the discharge will consistently comply with reclamation area discharge effluent standards. The Agency will notify the permittee upon approval of the change.

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Special Conditions

Special Condition No. 10: Annual stormwater monitoring is required for all discharges not reporting to a sediment basin until Final SMCRA Bond is released and approval to cease such monitoring is obtained from the Agency.

- A. Each discharge must be monitored for pH and settleable solids annually.
- B. Analysis of samples must be submitted with second quarter Discharge Monitoring Reports. A map with discharge locations must be included in this submittal.
- C. If discharges can be shown to be similar, a plan may be submitted by November 1 of each year preceding sampling to propose grouping of similar discharges and/or update previously submitted groupings. If updating of a previously submitted plan is not necessary, a written notification to the Agency indicating such is required. Upon approval from the Agency, one representative sample for each group may be submitted.