LANCE R. LEFLEUR
DIRECTOR

ROBERT J. BENTLEY
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov
1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

June 8, 2012

Robert A. Lewis
President
Birmingham Coal & Coke Co., Inc.
912 Edenton Street
Birmingham, Alabama 35242

RE: Outfalls 019P, 023P, and 024P Relocation Requests
Old Union Mine No. 2
NPDES Permit AL0080098
Winston County (133)

Dear Mr. Lewis:

The Department has received an Outfall Relocation Request letter dated May 23, 2012, submitted by DSM Design Group, LLC. for Birmingham Coal & Coke Co., Inc. The request proposes the relocations of the following proposed outfalls at Old Union Mine No. 2:

Outfall	Current Location	New Location
019P	Latitude N 34° 00' 51" Longitude E -87° 28' 31"	Latitude N 34° 00' 58" Longitude E -87° 28' 31"
023P	Latitude N 34° 01' 06" Longitude E -87° 28' 45"	Latitude N 34° 01' 08" Longitude E -87° 28' 41"
024P	Latitude N 34° 01' 10" Longitude E -87° 28' 48"	Latitude N 34° 01' 17" Longitude E -87° 28' 39"

The Department has reviewed the document and has determined that relocation of Outfalls 019P, 023P and 024P does not require a modification of the NPDES Permit. Therefore, the request is approved.

If you have any questions regarding this matter, you may contact Andrew Burroughs at 334-274-4197 or aburroughs@adem.state.al.us.

Sincerely,

Vernon H. Crockett, Chief
NPDES Stormwater Management Branch
Water Division

VHC/apb File: BASF/39938

cc: Johnathan E. Hall, ADEM – Water Division
Andrew Burroughs, ADEM – Water Division

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S. W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)

Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
4171 Commanders Drive
Mobile, AL 36615-1421
(251) 432-6533
(251) 432-6598 (FAX)

DSM
DESIGN GROUP, LLC
ENGINEERING / SURVEYING

May 23, 2012

NPDES Stormwater Management Branch
Alabama Department of Environmental Management
ATTN: Mr. Andrew Burroughs
1400 Coliseum Boulevard
Montgomery, AL 36109

RE: **Birmingham Coal & Coke Company, Inc.**
Old Union #2 Mine, AL0080098, Outfall re-location

Dear Mr. Burroughs:

Birmingham Coal & Coke Company, Inc. would like to request the relocation of outfalls 019P, 023P & 024P. These outfalls were moved to slightly different locations along their currently permitted receiving waters in an effort to minimize any disturbances and maximize avoidances of waters of the state (and U.S.) for CWA Section 404 permitting purposes. Please find enclosed an updated Section 17, 18 and 19 of the ADEM application which has been provided to reflect these changes as well.

Also please find enclosed 1"=2000' scale map.

If you should have any questions please feel free to contact our office.

Sincerely,

DSM Design Group, LLC.

J. Rich Weaver
E.I.

MAY 31 2012

1400 Viking Drive P. O. Box 690 Jasper, AL 35502 (205) 221-6262 fax (205) 221-6850

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
FIELD OPERATIONS DIVISION NPDES INDIVIDUAL PERMIT APPLICATION

SURFACE & UNDERGROUND MINERAL & ORE OR MINERAL PRODUCT MINING QUARRYING, EXCAVATION, BORROWING, HYDRAULIC MINING, STORAGE, PROCESSING, PREPARATION, RECOVERY, HANDLING, LOADING, STORING, OR DISPOSING ACTIVITIES AND ASSOCIATED AREAS INCLUDING PRE-MINING SITE DEVELOPMENT, CONSTRUCTION, EXCAVATION, CLEARING, DISTURBANCE, RECLAMATION, AND ASSOCIATED AREAS

PLEASE READ THE ACCOMPANYING INSTRUCTIONS CAREFULLY BEFORE COMPLETING THIS FORM. COMPLETE ALL QUESTIONS. RESPOND WITH "N/A" AS APPROPRIATE. INCOMPLETE OR INCORRECT ANSWERS OR MISSING SIGNATURES WILL DELAY PROCESSING. ATTACH ADDITIONAL COMMENTS OR INFORMATION AS NEEDED. IF SPACE IS INSUFFICIENT, CONTINUE ON AN ATTACHED SHEET(S) AS NECESSARY. COMMENCEMENT OF ACTIVITIES APPLIED FOR AS DETAILED IN THIS APPLICATION ARE NOT AUTHORIZED UNTIL PERMIT COVERAGE HAS BEEN ISSUED BY THE DEPARTMENT.

PLEASE TYPE OR PRINT IN INK ONLY.

I. APPLICANT INFORMATION Initial Issuance: ☐ Major Modification: ☐ Reissuance: ☐ NPDES AL0080098

Reissuance & Modification: ☐ Minor Modification: ☒ Transfer: ☐ Voluntary Termination: ☐

Company Name **Birmingham Coal & Coke Company, Inc.**	Facility Name **Old Union Mine No. 2**
Responsible Official and Title **Robert A. Lewis, President**	Facility Contact and Title **Wayne Bass, Superintendent of Mines**
Mailing Address of Applicant **912 Edenton Street**	Facility Contact Street Address **912 Edenton Street**
City **Birmingham** State **AL** Zip **35242**	City **Birmingham** State **AL** Zip **35242**

Business Phone Number **(205) 408-5881**	Fax Number **(205) 408-5883**	Facility Contact Phone Number **(205) 408-5881**

Responsible Official Street/Physical Address & Phone Number **Robert A. Lewis, 912 Edenton Street, Birmingham, AL 35244, (205) 408-5881**	Email Address **None**

Registered Agent Name, Address, & Phone Number **Robert A. Lewis, 912 Edenton Street, Birmingham, AL 35244, (205) 408-5881**

Identify the name, title/position, and unless waived in writing by the Department, the residence address of every officer, general partner, LLP partner, LLC member, investor, director, or person performing a function similar to a director, of the applicant, and each person who is the record or beneficial owner of 10 percent or more of any class of voting stock of the applicant, or any other responsible official(s) of the applicant with legal or decision making responsibility or authority for the facility:

Name	Title/Position	Residence Address (PO Box not acceptable)
Robert A. Lewis	**President**	**240 Wind Chase Drive, Birmingham, AL 35242**
Tom Lewis	**V.P., Sec./Treas.**	**2213 Heatherwood Circle, Birmingham, AL 35242**

II. OFFICER INFORMATION

Name of each corporation, partnership, association, and single proprietorship (other than applicant) having an Alabama NPDES permit at any time during the sixty (60) month period immediately preceding the date on which this form is signed for which any individual identified in Item I is or was an officer, general partner, LLP partner, LLC member, investor, director, or individual performing a function similar to a director, or principal (10% or more) stockholder:

Name of corporation, partnership, association, or single proprietorship	Name of individual (from Item I)	Title/position in corporation, partnership, association, or single proprietorship
There are none		

ATTACHMENT XVII. RECEIVING WATERS

List the requested permit Action for each outfall (issue, reissue, add, delete, move, etc.), Outfall Designation including noting "E" for existing abd "P" for proposed, name of receiving water(s), ADEM water use classification (WUC) for the receiving water, latitude and longitude (to seconds) of location(s) that run-off enters the receiving water, distance of receiving water from outfall, number of disturbed acres, the number of drainage acres which will drain through each treatment system, outfall, or BMP, and if the outfall discharges to an ADEM listed CWA Section 303(d) waterbody segment at the time of application submittal.

Action	Outfall E/P	Receiving Water	ADEM WUC	Latitude	Longitude	Distance to Rec. Water	Disturbed Acres	Drainage Acres	303(d) Segment (Y/N)
Issue	**001P**	**Long Branch**	**F & W**	**34°02' 39"**	**87°29'29"**	**100'**	**31**	**31**	**N**
Issue	**002P**	**Long Branch**	**F & W**	**34°02' 27"**	**87°29'23"**	**100'**	**8**	**8**	**N**
Issue	**003P**	**Long Branch**	**F & W**	**34°02' 21"**	**87°29'20"**	**100'**	**22**	**22**	**N**
Issue	**004P**	**Long Branch**	**F & W**	**34°02' 21"**	**87°29'11"**	**200'**	**38**	**38**	**N**
Issue	**005P**	**Browns Creek**	**F & W**	**34°02' 31"**	**87°28'48"**	**500'**	**49**	**49**	**N**
Issue	**006P**	**Browns Creek**	**F & W**	**34°02' 45"**	**87°28'53"**	**800'**	**12**	**12**	**N**
Issue	**007P**	**U.T. to Browns Creek**	**F & W**	**34°02' 48"**	**87°29'01"**	**100'**	**25**	**25**	**N**
Issue	**008P**	**Browns Creek**	**F & W**	**34°01' 54"**	**87°28'37"**	**700'**	**16**	**16**	**N**
Issue	**009P**	**Browns Creek**	**F & W**	**34°01' 49"**	**87°28'34"**	**740'**	**23**	**23**	**N**
Issue	**010P**	**Browns Creek**	**F & W**	**34°01' 35"**	**87°28'24"**	**1,000'**	**18**	**18**	**N**
Issue	**011P**	**Browns Creek**	**F & W**	**34°01' 24"**	**87°28'20"**	**350'**	**22**	**22**	**N**
Issue	**012P**	**Browns Creek**	**F & W**	**34°01' 19"**	**87°28'16"**	**450'**	**13**	**13**	**N**
Issue	**013P**	**Browns Creek**	**F & W**	**34°01' 08"**	**87°28'13"**	**900'**	**28**	**28**	**N**
Issue	**014P**	**Browns Creek**	**F & W**	**34°00' 57"**	**87°28'01"**	**500'**	**22**	**22**	**N**
Issue	**015P**	**Browns Creek**	**F & W**	**34°00' 45"**	**87°27'55"**	**800'**	**22**	**22**	**N**
Issue	**016P**	**Splunge Creek**	**F & W**	**34°00' 39"**	**87°28'06"**	**220'**	**9**	**9**	**N**
Issue	**017P**	**Splunge Creek**	**F & W**	**34°00' 43"**	**87°28'12"**	**250'**	**10**	**10**	**N**
Issue	**018P**	**Splunge Creek**	**F & W**	**34°00' 49"**	**87°27'16"**	**300'**	**14**	**14**	**N**
Issue	**019P**	**Splunge Creek**	**F & W**	**34°00' 58"**	**87°28'31"**	**1096'**	**28**	**28**	**N**
Issue	**020P**	**Splunge Creek**	**F & W**	**34°00' 50"**	**87°28'39"**	**220'**	**7**	**7**	**N**
Issue	**021P**	**Splunge Creek**	**F & W**	**34°00' 51"**	**87°28'43"**	**300'**	**12**	**12**	**N**
Issue	**022P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 05"**	**87°28'45"**	**800'**	**11**	**11**	**N**
Issue	**023P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 08"**	**87°28'41"**	**1154'**	**15**	**15**	**N**
Issue	**024P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 17"**	**87°28'39"**	**1669'**	**16**	**16**	**N**
Issue	**025P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 17"**	**87°28'51"**	**Directly**	**62**	**62**	**N**
Issue	**026P**	**Long Branch**	**F & W**	**34°01' 18"**	**87°29'05"**	**1,300'**	**19**	**19**	**N**
Issue	**027P**	**Long Branch**	**F & W**	**34°01' 34"**	**87°29'04"**	**280'**	**62**	**62**	**N**
Issue	**028P**	**Long Branch**	**F & W**	**34°01' 42"**	**87°28'59"**	**500'**	**23**	**23**	**N**
Issue	**029P**	**Long Branch**	**F & W**	**34°01' 50"**	**87°29'00"**	**400'**	**30**	**30**	**N**
Issue	**030P**	**Long Branch**	**F & W**	**34°01' 40"**	**87°29'21"**	**1,200'**	**39**	**39**	**N**
Issue	**031P**	**Splunge Creek**	**F & W**	**34°01' 36"**	**87°29'34"**	**270'**	**29**	**29**	**N**
Issue	**032P**	**Splunge Creek**	**F & W**	**34°01' 47"**	**87°29'47"**	**350'**	**18**	**18**	**N**
Issue	**033P**	**Splunge Creek**	**F & W**	**34°01' 56"**	**87°29'48"**	**400'**	**41**	**41**	**N**
Issue	**034P**	**Splunge Creek**	**F & W**	**34°02' 04"**	**87°29'50"**	**Directly**	**82**	**82**	**N**
Issue	**035P**	**Splunge Creek**	**F & W**	**34°02' 03"**	**87°29'56"**	**1,050'**	**20**	**20**	**N**
Issue	**036P**	**Splunge Creek**	**F & W**	**34°01' 49"**	**87°29'50"**	**Directly**	**139**	**139**	**N**
Issue	**037P**	**Splunge Creek**	**F & W**	**34°02' 16"**	**87°30'09"**	**120'**	**10**	**10**	**N**
Issue	**038P**	**Splunge Creek**	**F & W**	**34°02' 21"**	**87°30'09"**	**150'**	**34**	**34**	**N**
Issue	**039P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 32"**	**87°30'00"**	**150'**	**18**	**18**	**N**
Issue	**040P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 28"**	**87°29'53"**	**150'**	**17**	**17**	**N**
Issue	**041P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 22"**	**87°29'43"**	**400'**	**36**	**36**	**N**
Issue	**042P**	**U.T. to Splunge Creek**	**F & W**	**34°01' 21"**	**87°29'40"**	**500'**	**15**	**15**	**N**
Issue	**043P**	**Splunge Creek**	**F & W**	**34°01' 12"**	**87°29'29"**	**350'**	**40**	**40**	**N**
Issue	**044P**	**Splunge Creek**	**F & W**	**34°01' 08"**	**87°29'28"**	**150'**	**8**	**8**	**N**
Issue	**045P**	**Splunge Creek**	**F & W**	**34°01' 06"**	**87°29'21"**	**150'**	**6**	**6**	**N**
Issue	**046P**	**Splunge Creek**	**F & W**	**34°01' 02"**	**87°29'15"**	**150'**	**6**	**6**	**N**

ATTACHMENT XVIII. DISCHARGE CHARACTERIZATION

☒ Yes, pursuant to 40CFR 122.21, the applicant request a waiver for completion of EPA forms 2C and/or 2D.

☐ No, the applicant does not request a waiver an a complete and correct EPA form 2C and/or 2D is attached.

If a completed EPA form 2C and/or 2D is not attached, the applicant is required to supply the following information separately for every P or E outfall. If necessary, attach extra sheets. List expected average daily discharge flow rate in gallons/day and in cfs, frequency of discharge in hours per day and days per month, average summer and winter temperature of discharge(s) in degrees centigrade (C), average daily discharge in pounds per day of Total Iron, Total Manganese, Total Aluminum (if bauxite or bauxitic clay), and Total Suspended Solids: **Source of information is from Best Professional Estimate.**

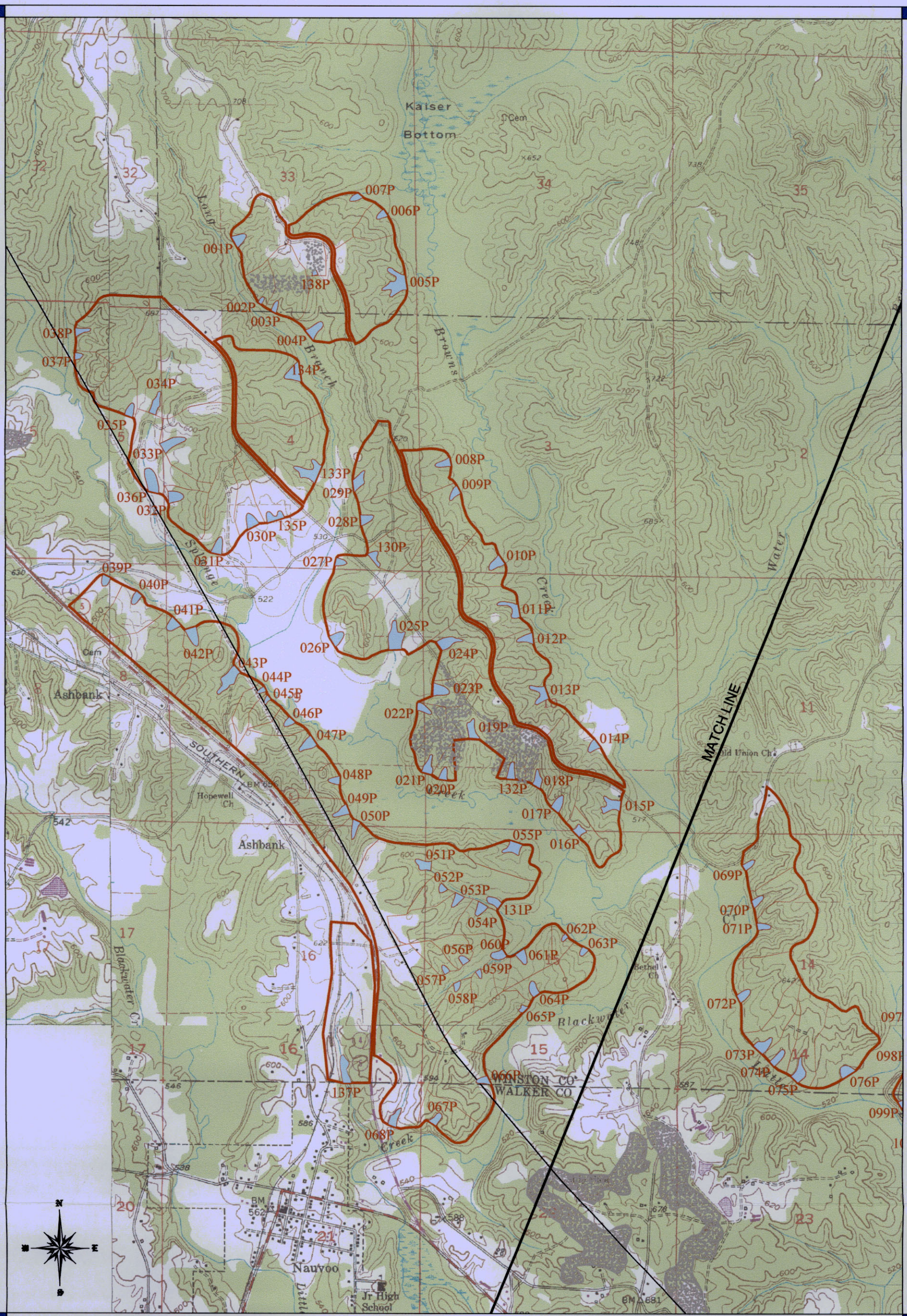
Outfall E/P	Information Source - # Of Samples	Flow cfs	Flow gpd	Frequency hours/day	Frequency days/month	PH s.u.	BOD_5 lbs/day	Sumr/Wint Temp, C.	Tot Al lbs/day	Tot Fe lbs/day	Tot Mn lbs/day	TSS lbs/day
001P	BPE	0.075	49K	Precipitation	Precipitation	7.3	0.81	26/7	N/A	2.42	1.62	28.3
002P	BPE	0.019	13K	Precipitation	Precipitation	7.3	0.21	26/7	N/A	0.63	0.42	7.3
003P	BPE	0.053	34K	Precipitation	Precipitation	7.3	0.57	26/7	N/A	1.72	1.15	20.1
004P	BPE	0.092	59K	Precipitation	Precipitation	7.3	0.99	26/7	N/A	2.97	1.98	34.7
005P	BPE	0.119	77K	Precipitation	Precipitation	7.3	1.28	26/7	N/A	3.83	2.55	44.7
006P	BPE	0.029	19K	Precipitation	Precipitation	7.3	0.31	26/7	N/A	0.94	0.63	10.9
007P	BPE	0.061	39K	Precipitation	Precipitation	7.3	0.65	26/7	N/A	1.95	1.30	22.8
008P	BPE	0.039	25K	Precipitation	Precipitation	7.3	0.42	26/7	N/A	1.25	0.83	14.6
009P	BPE	0.056	36K	Precipitation	Precipitation	7.3	0.60	26/7	N/A	1.80	1.20	21.0
010P	BPE	0.044	28K	Precipitation	Precipitation	7.3	0.47	26/7	N/A	1.41	0.94	16.4
011P	BPE	0.053	34K	Precipitation	Precipitation	7.3	0.57	26/7	N/A	1.72	1.15	20.1
012P	BPE	0.032	20K	Precipitation	Precipitation	7.3	0.34	26/7	N/A	1.02	0.68	11.9
013P	BPE	0.068	44K	Precipitation	Precipitation	7.3	0.73	26/7	N/A	2.19	1.46	25.5
014P	BPE	0.053	34K	Precipitation	Precipitation	7.3	0.57	26/7	N/A	1.72	1.15	20.1
015P	BPE	0.053	34K	Precipitation	Precipitation	7.3	0.57	26/7	N/A	1.72	1.15	20.1
016P	BPE	0.022	14K	Precipitation	Precipitation	7.3	0.23	26/7	N/A	0.70	0.47	8.2
017P	BPE	0.024	16K	Precipitation	Precipitation	7.3	0.26	26/7	N/A	0.78	0.52	9.1
018P	BPE	0.034	22K	Precipitation	Precipitation	7.3	0.36	26/7	N/A	1.09	0.73	12.8
019P	BPE	0.06	40K	Precipitation	Precipitation	7.3	0.66	26/7	N/A	0.10	0.03	7.0
020P	BPE	0.017	11K	Precipitation	Precipitation	7.3	0.18	26/7	N/A	0.55	0.36	6.4
021P	BPE	0.029	19K	Precipitation	Precipitation	7.3	0.31	26/7	N/A	0.94	0.63	10.9
022P	BPE	0.027	17K	Precipitation	Precipitation	7.3	0.29	26/7	N/A	0.86	0.57	10.0
023P	BPE	0.03	21K	Precipitation	Precipitation	7.3	0.35	26/7	N/A	0.05	0.02	4.0
024P	BPE	0.04	23K	Precipitation	Precipitation	7.3	0.38	26/7	N/A	0.06	0.02	4.0
025P	BPE	0.150	97K	Precipitation	Precipitation	7.3	1.62	26/7	N/A	4.85	3.23	56.6
026P	BPE	0.046	30K	Precipitation	Precipitation	7.3	0.50	26/7	N/A	1.49	0.99	17.3
027P	BPE	0.102	66K	Precipitation	Precipitation	7.3	1.09	26/7	N/A	3.28	2.19	38.3
028P	BPE	0.056	36K	Precipitation	Precipitation	7.3	0.60	26/7	N/A	1.80	1.20	21.0
029P	BPE	0.073	47K	Precipitation	Precipitation	7.3	0.78	26/7	N/A	2.35	1.56	27.4
030P	BPE	0.095	61K	Precipitation	Precipitation	7.3	1.02	26/7	N/A	3.05	2.03	35.6
031P	BPE	0.070	45K	Precipitation	Precipitation	7.3	0.76	26/7	N/A	2.27	1.51	26.5
032P	BPE	0.044	28K	Precipitation	Precipitation	7.3	0.47	26/7	N/A	1.41	0.94	16.4
033P	BPE	0.099	64K	Precipitation	Precipitation	7.3	1.07	26/7	N/A	3.21	2.14	37.4
034P	BPE	0.199	128K	Precipitation	Precipitation	7.3	2.14	26/7	N/A	6.41	4.27	74.8
035P	BPE	0.048	31K	Precipitation	Precipitation	7.3	0.52	26/7	N/A	1.56	1.04	18.2
036P	BPE	0.337	217K	Precipitation	Precipitation	7.3	3.62	26/7	N/A	10.87	7.25	126.8
037P	BPE	0.024	16K	Precipitation	Precipitation	7.3	0.26	26/7	N/A	0.78	0.52	9.1
038P	BPE	0.082	53K	Precipitation	Precipitation	7.3	0.89	26/7	N/A	2.66	1.77	31.0
039P	BPE	0.044	28K	Precipitation	Precipitation	7.3	0.47	26/7	N/A	1.41	0.94	16.4
040P	BPE	0.041	27K	Precipitation	Precipitation	7.3	0.44	26/7	N/A	1.33	0.89	15.5
041P	BPE	0.087	56K	Precipitation	Precipitation	7.3	0.94	26/7	N/A	2.81	1.88	32.8
042P	BPE	0.036	23K	Precipitation	Precipitation	7.3	0.39	26/7	N/A	1.17	0.78	13.7
043P	BPE	0.097	63K	Precipitation	Precipitation	7.3	1.04	26/7	N/A	3.13	2.09	36.5
044P	BPE	0.019	12K	Precipitation	Precipitation	7.3	0.21	26/7	N/A	0.63	0.42	7.3
045P	BPE	0.015	9K	Precipitation	Precipitation	7.3	0.16	26/7	N/A	0.47	0.31	5.5
046P	BPE	0.015	9K	Precipitation	Precipitation	7.3	0.16	26/7	N/A	0.47	0.31	5.5
047P	BPE	0.097	63K	Precipitation	Precipitation	7.3	1.04	26/7	N/A	3.13	2.09	36.5
048P	BPE	0.027	17K	Precipitation	Precipitation	7.3	0.29	26/7	N/A	0.86	0.57	10.0
049P	BPE	0.048	31K	Precipitation	Precipitation	7.3	0.52	26/7	N/A	1.56	1.04	18.2
050P	BPE	0.092	59K	Precipitation	Precipitation	7.3	0.99	26/7	N/A	2.97	1.98	34.7
051P	BPE	0.099	64K	Precipitation	Precipitation	7.3	1.07	26/7	N/A	3.21	2.14	37.4

ATTACHMENT XIX. DISCHARGE STRUCTURE DESCRIPTION AND POLLUTANT SOURCE

Existing and proposed point source(s) covered by this permit application – Specify outfall number(s) as it appears on the map referred to in Item 20 [if this application is for a modification to an existing permit do not change the numbering sequence of the permitted outfalls], describe each, e.g. pipe, spillway, channel, tunnel, conduit, well, discrete fissure, or container, and identify the origin of pollutants. The response must be precise for each outfall. If the discharge of pollutants from any outfall is the result of commingling of waste streams from different origins, each origin must be completely described. Please check all responses which describe the discharge origin.

Outfall	Discharge structure Description	Description of Origin Of pollutants	Surface Discharge	Groundwater Discharge	Wet Prep –Other Production Plant	Pumped or Controlled Discharge	Low Volume STP	Other
001P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
002P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
003P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
004P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
005P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
006P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
007P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
008P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
009P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
010P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
011P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
012P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
013P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
014P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
015P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
016P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
017P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
018P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
019P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
020P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
021P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
022P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
023P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
024P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
025P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
026P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
027P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
028P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
029P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
030P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
031P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
032P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
033P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
034P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
035P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
036P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
037P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
038P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
039P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
040P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
041P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
042P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
043P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
044P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
045P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
046P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
047P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
048P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
049P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
050P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**
051P	**Pipe and/or Channel**	**(2) & (9)**	**X**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**

Origin of Pollutants – typical examples: **(1)** Discharge of drainage from the underground workings of an underground coal mine, **(2)** Discharge of drainage from a coal surface mine, **(3)** Discharge of drainage from a coal preparation plant and associated areas, **(4)** Discharge of process wastewater from a gravel-washing plant, **(5)** Discharge of wastewater from an existing source coal preparation plant, **(6)** Discharge of drainage from a sand and gravel pit, **(7)** Pumped discharge from a limestone quarry, **(8)** Controlled surface mine drainage (pumped or siphoned), **(9)** Discharge of drainage from mine reclamation, **(10)** Discharge of drainage from coal fines recovery



DRAWN BY: J.R.W. 04/04/12	Birmingham Coal & Coke, Inc Old Union #2 Mine, P-3962	DSM DESIGN GROUP, LLC ENGINEERING / SURVEYING 1400 VIKING DRIVE JASPER, ALABAMA 35501 TELEPHONE: (205) 221-6262
APPROVED BY: J.D.M. 04/04/12	T. 11 S., R. 9 W., SEC. 33 T. 12 S., R. 9 W. SEC. 3, 4, 5, 9, 10, 15 WINSTON CO., AL	
SCALE: 1" = 2,000'	NPDES PERMIT #: AL0080098 APPROVED: 10/01/2011	
SHEET: 1 OF 2	LYNN & POPLAR SPRINGS USGS QUADRANGLES	