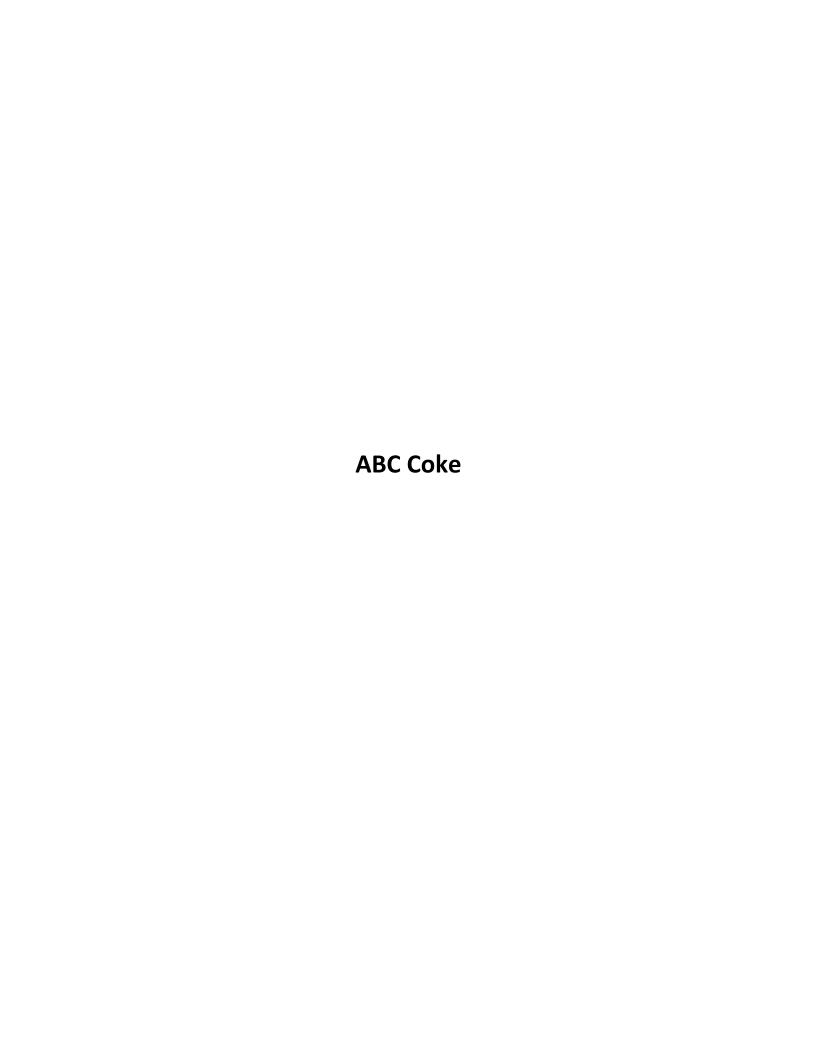
NPDES Permitted High Risk Inspections	



PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson Industrial

)GRAM: Industrial
*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.3	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
РН	Sample Measurement	****	****	****	6.7	****	7.7	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		6.0 minimum daily	****	9.0 maximum daily	S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	3.8	7.0		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	. 26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.7	2.4	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	lbs/day	****	****	****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	4.6	9.0	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.9	0.9	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	11/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 10 01 | To: | 17 10 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	2.2	2.2		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.4	0.4	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily	lbs/day	****	****	****	*****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	16 16 16 16	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	0.020	0.030	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****	*****		2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	.25199	.31463	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****	ale ale de ale ale		Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.02	0.02	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	11/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 10 01 | To: | 17 10 31 | |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	3203		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	*****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	5.8	7.0	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	11/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 10 01 | To: | 17 10 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
РН	Sample Measurement	****	****		6.62	****	7.68	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	19.5	40.6	19	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		****	35 monthly average	70 maximum daily	mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	2.4	3.3	26	****	****	****	*****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.30	0.37	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.20	0.32	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	11/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 10 01 | To: | 17 10 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

PROGRAM: Industrial
*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	. 26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	*****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.511	1.777	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	11/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS:P O Box 10246

Birmingham, AL35202-0246

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

COUNTY:

Jefferson

FACILITY: Abc Coke Div Drummond Co Inc LOCATION:

900 Huntsville Avenue

Monitoring Period: 2017-10-01 To 2017-10-31

NO DISCHARGE FROM SITE:

Parameter		Quantity of	r Loading	Units	Quality	or Conc	entration	Units	No. Ex.	Frequency of Analys	sisSample Type
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.3	*****	*****		0	Weekly	Grab
PARAM CODE: 00300 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		6.0 Minimum Daily	****	E3886	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.7	*****	7.7		0	Daily	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	****		6.0 Minimum Daily	*****	9.0 Maximum Daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	3.8	7.0		*****	*****	*****		0	Weekly	Composité
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	-	*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 lbs/day	****	*****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	1.7	2.4	7	****	****	*****		0	Weekly	Composite
PARAM CODE: 00610 Stage Code: 1	Permit Requirement	33.0 Monthly Average	49,5 Maximum Daily	26 lbs/day	*****	*****				Weekly	Composite
NITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	4.6	9,0		*****	****	*****		0	Weekly	Composite
PARAM CODE: 00625 Stage Code: 1 Final Effluent	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 lbs/day	*****	****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.9	0.9		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00720 Stage Code: 1	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	26 lbs/day	*****	*****	71111			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	UDMITTED HEREIN AND BASE NFORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE 18 U.S.C. § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONAL! D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS TO UBMITTING FALSE INFORMATI § 1319 Clude Times up to \$10,000 and or max	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBII	ESPONSIBLE ETE I AM A LITY OF FINE	FOR OBTAINING THE WARE THAT THERE ARI AND IMPRISONMENT	Off	ture of Principal Exec icer Or Authorized Ag			Telephone No	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

Birmingham, AL35202-0246 POINT:

MONITORING

COUNTY:

Jefferson

FACILITY:

LOCATION:

Abc Coke Div Drummond Co Inc

900 Huntsville Avenue Tarrant AL 35217

Monitoring Period: 2017-10-01 To: 2017-10-31

0011

NO DISCHARGE FROM SITE:

()

Parameter	Quantity or Loading Units Quality or Concentration Units		nits	No. Ex.	Frequency of Analys	is Sample Type					
RON, TOTAL (AS FE)	Sample Measurement	2.2	2,2	-	*****	*****	*****		0	Monthly	Composite
ARAM CODE: 01045 tage Code: 1	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 lbs/day	****	*****	*****			Monthly	Composite
ANGANESE, TOTAL (AS MN)	Sample Measurement	0,4	0,4		****	*****	*****		Q	Monthly	Composite
ARAM CODE: 01055 tage Code: 1	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	****	*****	*****			Monthly	Composite
ENZO(A)PYRENE	Sample Measurement	*B	*B	1	*****	*****	*****		0	Weekly	Composite
ARAM CODE: 34247 stage Code: 1	Permit Requirement	0.0012 Monthly Average	0,0024 Maximum Daily	26 lbs/day	*****	****	****			Weekly	Composite
IAPHTHALENE	Sample Measurement	*B	*B		*****	****	89998		0	Monthly	Grab
ARAM CODE: 34696 tage Code: 1 inal Effluent	Permit Requirement	0.15 Monthly Average	0,15 Maximum Daily	26 lbs/day	*****	****	*****			Monthly	Grab
HENOLS	Sample Measurement	0.020	0,030		*****	*****	****		0	2X Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	26 Ibs/day	*****	*****	*****			2X Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	25199	.31463		*****	*****	*****		0	Daily	Calculated
ARAM CODE: 50050 tage Code: 1 inal Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	*****	*****			Daily	Calculated
YANIDE, FREE AVAILABLE	Sample Measurement	0.02	0.02		*****	*****	*****	П	0	2X Monthly	Grab
ARAM CODE: 51173 tage Code: 1 inal Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	UBMITTED HEREIN AND BASE NFORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE INU.S.C. § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONALL DON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI \$1319 clude fines up to \$10,000 and or may	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBI	ESPONSIBLE F ETE I AM AW LITY OF FINE	FOR OBTAINING T ARE THAT THERE AND IMPRISONME	HE Officer	of Principal Execut Or Authorized Agen			Telephone No	Date (MM/DD/Y)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

0011

MAILING ADDRESS:P O Box 10246

MONITORING

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION:

Abc Coke Div Drummond Co Inc

900 Huntsville Avenue

POINT:

Monitoring Period: 2017-10-01 To: 2017-10-31

NO DISCHARGE FROM SITE:

()

Parameter		Quantity o	r Loading	Units	Qua	ality or Concent	ration	Units No. Ex.	Frequency of Analysis	of Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	9A	****	*****	*****	0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	****	0 Maximum Daily	pass(0)/fail (1)	****	*****	*****		Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A	****	*****	*****	0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	*****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	3203	26	****	*****	*****	0	Monthly	Composit
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	lbs/day	*****	*****	*****		Monthly	Composit
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	5.8	7.0	26	****	*****	*****	0	Weekly	Composit
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	56 Monthly Average	84 Maximum Daily	lbs/day	****	*****	*****		Weekly	Composit
Officer Or Authorized Agent	UBMITTED HEREIN AND BASE VFORMATION I BELIEVE THE IGNIFICANT PENALTIES FOR S EE 18 U.S.C. § 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ED ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS SUBMITTING FALSE INFORMAT C. §1319 Include Tines up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY R FRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	ESPONSIBLE FOR OF ETE I AM AWARE TO LITY OF FINE AND IN	TAINING THE HAT THERE ARE		incipal Executive thorized Agent	Teleph	one No 1	Date (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION:

Abc Coke Div Drummond Co Inc. 900 Huntsville Avenue

Monitoring Period: 2017-10-01 To: 2017-10-31

0021

NO DISCHARGE FROM SITE:

Parameter		Quantity of	or Loading	Units	Qui	ality or Concentr	ation	Units	No. Ex.	Frequency of Analysis	Sample Ty
PH	Sample Measurement	*****	****		6.62	*****	7.68	141	0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		6,0 Minimum Daily	****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	.,,,,	*****		*****	19.5	40.6	T.	0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement		*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	2,4	3,3	(4)	*****	*****	****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****		****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement		REPORT Maximum Daily	26 lbs/day		*****	*****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		****	0.30	0.37		0	2X Monthly	Grab
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	3:0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.20	0.32		0	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	****	****		*****	2.0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	UBMITTED HEREIN AND BASE NFORMATION. I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE 18 U.S.C. § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONAL. D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI 2 § 1319 clude fines up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	ESPONSIBL ETE I AM A ITY OF FIN	FOR OBTAINING TO WARE THAT THERE S AND IMPRISONMEN	ARE Officer Or	Principal Executive Authorized Agent		Tele	ephone No Date	(MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

0021

MAILING ADDRESS: P O Box 10246

Birmingham, AL35202-0246

MONITORING POINT: COUNTY

Jefferson

FACILITY:

Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

Monitoring

Monitoring Period: 2017-10-01 To: 2017-10-31

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qual	lity or Concent	ration Un	its No.	Frequency of Anal	ysisSample Type
BENZENE	Sample Measurement	****	*B		*****	****	*****	0	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****	I	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	300000	*****	****	I	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B		*****	****	*****	0	Monthly	Grah
PARAM CODE: 46000 Stage Code: 1	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	*****	****	****		Monthly	Grab
LOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	1.511	1.777	1	*****	*****	*****	0	Daily	Calculated
ARAM CODE: 50050 stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	MGD	*****	****	****		Daily	Calculated
Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE INFORMATION 1 BELIEVE THE S SIGNIFICANT PENALTIES FOR S SEE 18 U.S.C. § 1001. AND 33 U.S.G (Penalties under these statutes may in	D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI E, § 1319	VDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBIL	ESPONSIBLE F LETE I AM AW LITY OF FINE A	OR OBTAINING T ARE THAT THERE AND IMPRISONME	HE Officer	of Principal Executive Or Authorized Agent		Telephone Na	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

002 STORM WATER MONITORING

10/4/201	7
002 DISCH	HARGE
NORMAN	LOEBLER
11:05 AI	M
CLEAR	
CLEAR	
	10/4/2017
DATE:	10/9/2017
7,720,40	LLONS 07 GALLONS 44 MGD
	11:05 AI CLEAR CLEAR DATE: ,940,897 GA DATE: 220,490 GA 7,720,40

pH:	7.68 SU
TSS(mg/L):	9
NH3-N(ppd):	2.19
CN(T)(ppd):	BMDL
BENZO(a)PYRENE (ppd):	BMDL
PHENOLS (ppd):	BMDL
BENZENE (ppd):	BMDL
NAPTHALENE (ppd):	BMDL
MANGANESE,T (mg/L):	0.083
IRON, T (mg/L):	0.223
O & G (mg/L)	BMDL

10/16/201	7
002 DISC	HARGE
NORMAN	LOEBLER
11:15 A	M
CLEAR	
CLEAR	
	10/16/2017
,372,016 GA	LLONS
DATE:	10/21/2017
487,870 GA	LLONS
8,884,14	6 GALLONS
1.7	77 MGD
	002 DISC NORMAN 11:15 A CLEAR CLEAR DATE: ,372,016 GA DATE: 487,870 GA 8,884,14

pH:	6.62 SU
TSS(mg/L):	8.8
NH3-N(ppd):	3.26
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	0.323
IRON, T (mg/L):	0.367
O & G (mg/L)	BMDL

002 STORM WATER MONITORING

SAMPLE DATE:	10/27/2017	P
SAMPLE LOCATION:	002 DISCHARGE	7
SAMPLER:	NORMAN LOEBLER	1
SAMPLE TIME:	9:45 AM	-
WEATHER CONDITIONS:	CLOUDY	F
CREEK CONDITIONS:	CLEAR	E
	4" DATE: 10/27/2017 15,088,910 GALLONS	1
FINAL STAFF LEVEL: 4		!
	JME: 6,064,238 GALLONS	1
DAIL! AVEINGETEOVV.	1.210 11100	(

pH:	6.70 SU	
TSS(mg/L):	40.6	
NH3-N(ppd):	1.72	
CN(T)(ppd):		
BENZO(a)PYRENE (ppd):		
PHENOLS (ppd):		
BENZENE (ppd):		
NAPTHALENE (ppd):		
MANGANESE,T (mg/L):	_	
IRON, T (mg/L):		
O & G (mg/L)		

SAMPLE DATE:		
SAMPLE LOCATION:		
SAMPLER:		
SAMPLE TIME:		
WEATHER CONDITIONS:		
CREEK CONDITIONS:		
INITIAL STAFF LEVEL:	DATE:	
VOLUME: FINAL STAFF LEVEL:	DATE:	
VOLUME:	DATE.	
TOTAL DISCHARGE VOLUM	E:	
DAILY AVERAGE FLOW:		
A STATE OF THE PARTY OF THE PAR		

pH:	
TSS(mg/L):	
NH3-N(ppd <u>):</u>	
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	
IRON, T (mg/L):	

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		9.3	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
PH	Sample Measurement	****	****	****	7.0	****	7.5	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	4.8	13.0		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	. 26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.1	1.2	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	6.8	7.0	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.7	1.2	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	12/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0011**

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 17 11 30 From: 17 11 01

MAJOR

Jefferson **COUNTY:** PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	1.5	1.5		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.2	0.2	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily	lbs/day	****	****	****	*****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	16 16 16 16	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	0.010	0.020	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.30531	0.34542	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****	ale ale de ale ale		Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.02	0.02	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 511/3 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	12/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 | 11 | 01 | To: | 17 | 11 | 30 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily	pass(0)/fail (1)	****	****	****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	5040.0		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.3	10.0	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	12/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: 17 11 01 | To: 17 11 30 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		6.77	****	7.11	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	16.2	23.6	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.79	2.49	26	****	****	****	*****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.82	0.95	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.08	0.09	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	12/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 11 01 | To: | 17 11 30 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Oua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.339	1.491	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	renort monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	12/22/2017

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

246 MONITO L. AL 35202-0246 POINT:

MONITORING 0011

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2017-11-01To: 2017-11-30

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Quality	or Conc	entration	Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		9.3	老本奈香茶	*****	19	0	Weekly	Grab
PARAM CODE: 00300 Stage Code: 1 Final Effluent	Permit Requirement	****	34444		6.0 Minimum Daily	*****	****	mg/l		Weekly	Grab
PH	Sample Measurement	*****	4***		7.0	****	7.5	12	0	Daily	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		6.0 Minimum Daily	****	9.0 Maximum Daily	S,U,		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	4.8	13.0	26	****	*****	*****		0	Weekly	Composite
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	342 Monthly Average	513 Maximum Daily	lbs/day	****	****	****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	水準本米米	****		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	lbs/day	***	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.1	1.2	26	****	****	****		0	Weekly	Composite
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	6.8	7.0	26	****	****	****		0	Weekly	Composite
PARAM CODE: 00625 Stage Code: I Final Effluent	Permit Requirement	66 Monthly Average	99 Maximum Daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.7	1.2	26	*****	水水水水水	*****		0	2X Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	lbs/day	****	*****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent FOR	ORMATION SUBMITTED HER LOBTAINING THE INFORMAT AWARE THAT THERE ARE SI	AW THAT I HAVE PERSONAL EIN AND BASED ON MY INQU ION, I BELIEVE THE SUBMITT GNIFICANT PENALTIES FOR S SONMENT SEE 18 U.S.C. § 100	IRY OF THOSE INDIVIDUAL: ED INFORMATION IS TRUE, UBMITTING FALSE INFORM	ACCURATE	AND COMPLETE 1		of Principal Executi Or Authorized Agen		Telep	hone No Date	(MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

246

MONITORING 0011 POINT: COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

900 Huntsville Avenue Tarrant, AL 35217 Monitoring Period: 2017-11-01 To: 2017-11-30

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qual	ity or Concent	ration	Units No. Ex.	Frequency of Analysis	Sample Type
RON, TOTAL (AS FE)	Sample Measurement	1.5	1.5	26	****	*****	****	0	Monthly	Composit
PARAM CODE: 01045 Stage Code: 1 Sinal Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	lbs/day	****	*****	****		Monthly	Composit
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.2	0,2	26	****	*****	****	0	Monthly	Composit
ARAM CODE: 01055 Stage Code: 1 Sinal Effluent	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	lbs/day	****	*****	****		Monthly	Composit
BENZO(A)PYRENE	Sample Measurement	*B	*B	26	****	*****	****	0	Weekly	Composit
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily	lbs/day	*****	*****	*****		Weekly	Composito
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26	****	*****	****	0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0,15 Maximum Daily	lbs/day	****	*****	*****		Monthly	Grab
PHENOLS	Sample Measurement	0.010	0.020	26	****	****	*****	0	2X Monthly	Grab
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	lbs/day	*****	*****	****		2X Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	0.30531	0.34542	03	****	*****	****	0	Daily	Calculate
PARAM CODE: 50050 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	MGD	****	****	****		Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.02	0.02	26	****	****	*****	0	2X Monthly	Grab
ARAM CODE: 51173 tage Code: 1 inal Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	lbs/day	****	****	****		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent Officer Or Authorized Agent AM POS	ORMATION SUBMITTED HERD OBTAINING THE INFORMAT AWARE THAT THERE ARE SH SIBILITY OF FINE AND IMPRI	AW THAT I HAVE PERSONAL. EIN AND BASED ON MY INQUI ION I BELIEVE THE SUBMITT GNIFICANT PENALTIES FOR S SONMENT SEE IR U.S.C. § 100 Iude fines up to \$10,000 and or ma	IRY OF THOSE INDIVIDUALS ED INFORMATION IS TRUE, UBMITTING FALSE INFORM I AND 33 U.S.C. §1319	IMMEDIATES ACCURATE AS ATION, INCLU	Y RESPONSIBLE ND COMPLETE, I DING THE		Principal Execut Authorized Agen		phone No Date	(MM/DD/YY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING 0011

POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246

Abe Coke Div Drummond Co Inc. 900 Huntsville Avenue

Monitoring Period: 2017-11-01 To: 2017-11-30

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qua	lity or Concen	tration	Units No. Ex.	Frequency of Analysis	f Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0	9A	****	*****	****	0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	****	0 Maximum Daily	pass(0)/fail (1)	*****	*****	****		Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A	****	****	****	0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	****	0 Maximum Daily	pass(0)/fail (1)	****	*****	水水水水水		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	5040.0	26	*****	****	****	0	Monthly	Composit
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	水水水水	REPORT Maximum Daily	lbs/day	****	*****	****		Monthly	Composit
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.3	10.0	26	****	*****	****	0	Weekly	Composit
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	56 Monthly Average	84 Maximum Daily	lbs/day	****	****	****		Weekly	Composit
Officer Or Authorized Agent INFC FOR AM.	RMATION SUBMITTED HER OBTAINING THE INFORMAT AWARE THAT THERE ARE SI SIBILITY OF FINE AND IMPR	LAW THAT I HAVE PERSONATION AND BASED ON MY INCIDENT I BELIEVE THE SUBMITION I BELIEVE THE SUBMITION FICANT PENALTIES FOR ISONMENT SEE IN U.S.C. § 1 Clude fines up to \$10,000 and or	UIRY OF THOSE INDIVIDUA ITED INFORMATION IS TRU SUBMITTING FALSE INFOR 001 AND 33 U.S.C. §1319	LS IMMEDIATELY E, ACCURATE AND MATION, INCLUDI	RESPONSIBLE COMPLETE I NG THE		incipal Executiv uthorized Agent		none No Da	ate (MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

Birmingham, AL35202-0246 Abe Coke Div Drummond Co Inc

FACILITY: LOCATION: 900 Huntsville Avenue MONITORING 0021

COUNTY:

Jefferson

POINT:

Monitoring Period: 2017-11-01To: 2017-11-30

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qual	ity or Concent	ration	Units	No. Ex.	Frequency of Analysis	Sampl Type
PH	Sample Measurement	****	****)=1	6.77	****	7.11	12	0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	*****	****		6.0 Minimum Daily	****	8.5 Maximum Daily	12 S,U.		Weekly	Grab
OLIDS, TOTAL SUSPENDED	Sample Measurement	*****	****		****	16,2	23.6	19	0	Weekly	Grab
ARAM CODE: 00530 stage Code: 1 sinal Effluent	Permit Requirement	****	****		*****	35 Monthly Average	70 Maximum Daily	mg/l		Weekly	Grab
DIL & GREASE	Sample Measurement	*****	*****		*****	*B	*B	1,0	0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	1.79	2,49	26	****	****	****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	lbs/day	*****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B	26	****	****	*****		0	Monthly	Grab
PARAM CODE: 00720. Stage Code: 1 Sinal Effluent	Permit Requirement	****	REPORT Maximum Daily	lbs/day	****	****	市市市市市			Monthly	Grab
RON, TOTAL (AS FE)	Sample Measurement	*****	****		****	0.82	0.95	19	0	2X Monthly	Grab
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		*****	3.0 Monthly Average	6,0 Maximum Daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		****	0.08	0.09	19	0	2X Monthly	Grab
ARAM CODE: 01055 stage Code: 1 final Effluent	Permit Requirement	****	****		****	2.0 Monthly Average	4.0 Maximum Daily	mg/l		2X Monthly	Grab
Officer Or Authorized Agent POR	RTIFY UNDER PENALTY OF ORMATION SUBMITTED HER OBTAINING THE INFORMAT AWARE THAT THERE ARE SISIBILITY OF FINE AND IMPRICALITIES under these statutes may in altres under these statutes may in altres under these statutes may in	EIN AND BASED ON MY INQUITON I BELIEVE THE SUBMIT GNIFICANT PENALTIES FOR ISONMENT SEE IN U.S.C. § 10	UIRY OF THOSE INDIVIDUAL TED INFORMATION IS TRUE SUBMITTING FALSE INFORD IOI AND 33 U.S.C. \$1319	LS IMMEDIA E, ACCURATI MATION, INC	TELY RESPONSIBLE AND COMPLETE CLUDING THE	Officer Or A	Principal Executive Authorized Agent		Teleph	one No Date	(MM/DD/YY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING

POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

Abc Coke Div Drummond Co Inc LOCATION: 900 Huntsville Avenue

Monitoring Period: 2017-11-01To: 2017-11-30

0021

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qua	ity or Concent	ration	Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE	Sample Measurement	****	*B	26	*****	****	****		0	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	lbs/day	****	*****	****			Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B	26	****	*****	古安府住年		0	Monthly	Grab
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	lbs/day	****	*****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B	26	****	*****	****		0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	lbs/day	****	*****	****			Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	*****	****		.0	Monthly	Grab
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	非长有关等	REPORT Maximum Daily	lbs/day	****	****	*****		IJ	Monthly	Grab
FLOW, IN CONDUIT OF THRU TREATMENT PLANT	Sample Measurement	1,339	1,491	03	****	****	*****		0	Daily	Calculate
PARAM CODE: 50050 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	MGD	****	*****	****			Daily	Calculate
Name/Title of Principal Executive Officer Or Authorized Agent AM POS	ERTIFY UNDER PENALTY OF LEORMATION SUBMITTED HERE ROBTAINING THE INFORMATION AWARE THAT THERE ARE SIGNIFIED FINE AND IMPRIBULED IN THE ROBERT OF THE ROBERT	EIN AND BASED ON MY INQUI ION, I BELIEVE THE SUBMITT GNIFICANT PENALTIES FOR S SONMENT, SEE 18 U.S.C. § 100	IRY OF THOSE INDIVIDUALS ED INFORMATION IS TRUE, UBMITTING FALSE INFORMA I AND 33 U.S.C. §1319	IMMEDIATEI ACCURATE A ATION, INCLU	Y RESPONSIBL ND COMPLETE DING THE	E Officer Or	Principal Executiv Authorized Agent	e	Telepl	hone No Date	(MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



LRS, Inc.

Laboratory Resources & Solutions, Inc. 205 6th Avenue Ashville, AL 35953 (205) 594-1445

www.lab-resource.com

Analytical Data Report

Client:

ABC Coke

PO Box 10246

Birmingham, AL 35202

Attention:

Mr. David Vance

Project Name: 001 Chronic Toxicity - November 2017

Date:

December 13, 2017

Primary Data Review by:

Courtnay Snow

Project Manager

Laboratory Resources & Solutions, Inc. (LRS)

csnow@lab-resource.com

- * Unless otherwise noted, all analyses on this report performed at ERA, 2975 Brown Court, Auburn, AL 36830.
- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT TOXICITY TEST REPORT SUMMARY

PPDES PERMI Permittee: Pacility Nam Agent Submit Ab Conduct: Months To To This Report	ABC Co me: AB tting R ing Tox	ke, Inc C Coke eport:	WWTP		N: 001		COUNT	Y: Jef	ferson			
Facility Name of Submitted	me: AB tting R ing Tox	C Coke	WWTP									
Agent Submit ab Conduct: Months To To This Report	tting R ing Tox	eport:										
ab Conduct: onths To To his Report	ing Tox		Mac 7									
onths To To his Report		icity 7	MIL. U	eff Mo	Cord							
onths To To his Report		all he als by A	est(s)	: ERA	2975	Brown	Ct., A	uburn,	AL 3	6830		
		onthly								-		
	for To	xicity	Test (s) Requ	ired f	or the	Month	of:	Nov			
cheduled To				No _				Test (s			No	х
ccelerated	Test N	umber	of		for Fai							-
est Type Re		The second secon			reening				Ir Acut		nitiv	e:
hort-term (Chroni				4914 204 5	
			-					21012				
Test /	Organis	m:Ceric	daphni	a dub	ia	Tes	t Orga	nism: F	imenha	les nr	omela	g
Sam Date / T:												
	/YY HH:							HH:MM				
1 11/07/					Yes			14:30				Yes
	27 2270	0 122/	23/11	20.00	1100	111/	01/11	14.30	177/ 7	1/1/1	0.30	165
ALCOHOLD BY												
A SITMMAR	V OF RE	STITUTE B	MP ROP	EFNITM	a was che							
.A. SUMMAR	Y OF RE	SULTS E	OR SCR	EENING			Number					
Lagul Talon	Y OF RE		OR SCR	EENING	T		Number				(4)	
Test Eff.	1	(1)			(2)	est		(3)	Growl	Currel	(4)	Larou
Test Eff. Org. Conc	Surv	(1)	Grow		T				Grow	Surv	(4) Repr	Grow
Test Eff. Org. Conc P.p. 16%	Surv	(1) Repr	Grow PASS		(2)	est		(3)	Grow	Surv		Grow
Test Eff. Org. Conc P.p. 16%	Surv	(1)	Grow		(2)	est		(3)	Grow	Surv		Grow
Test Eff. Org. Conc P.p. 16% C.d. 16%	Surv PASS PASS	(1) Repr N/A PASS	Grow PASS N/A	Surv	(2) Repr	Grow		(3)	Grow	Surv		Grow
Test Eff. Org. Conc P.p. 16% C.d. 16%	Surv PASS PASS	(1) Repr N/A PASS	Grow PASS N/A	Surv JUTED 8	(2) Repr	Grow	Surv	(3) Repr			Repr	
Test Eff. Org. Conc P.p. 16% C.d. 16% LABORATOR	Surv PASS PASS PASS	(1) Repr N/A PASS YSES OF	Grow PASS N/A UNDII	Surv JUTED 8	(2) Repr	Grow Gr	Surv	(3) Repr	TRC	Con	Repr	
Test Eff. Org. Conc P.p. 16% C.d. 16% . LABORATOR SAMPLE R	Surv PASS PASS PASS RY ANAL BOD5	(1) Repr N/A PASS YSES OF TSS mg/l	Grow PASS N/A F UNDII	Surv	(2) Repr	Grow Gr	Surv	(3) Repr	TRC	Con	Repr iducti µS	
Test Eff. Org. Conc P.p. 16% C.d. 16% LABORATOR SAMPLE R Id. R	Surv PASS PASS PASS PASS PASS PASS PASS PAS	(1) Repr N/A PASS YSES OF TSS mg/l	Grow PASS N/A	Surv .UTED 8 13 1/1	(2) Repr	Grow Gr	Surv	(3) Repr[TRC mg/1	Con	Repr ducti µS	
Org. Conc P.p. 16% C.d. 16% C.d. 16% C.d. 16% C.d. 16% C.d. 16%	Surv PASS PASS PASS RY ANAL BOD5	(1) Repr N/A PASS YSES OF TSS mg/l	Grow PASS N/A F UNDII	Surv .UTED 8 	(2) Repr	Grow Gr	Surv	(3) Repr	TRC	Con	Repr ducti µS	

FACILITY N	AME: AB	C Coke	NPDES	#:	AL0003417	DSN:001	DATE:	11/07/17
FACILITY N	AME: AC	ic coke	414.0000	** *		A STATE OF THE PARTY OF THE PAR		

4. SAMPLE COLLECTION:

Split Samples: N/A X Yes ___(Explain)

Samples Collected as Specified in the NPDES Permit: Yes X No (Explain)

Receiving Water: Five Mile Creek

Design Flow: 0,406 (MGD)

Sample Id.	Sample(s) Collected MM/DD/YY HHMM - MM/DD/YY HHMM	Arrival Temp.°C.	Used in Test(s) MM/DD/YY - MM/DD/YY
1	11/05/17 0730 - 11/06/17 0730	2.6	11/07/17 - 11/08/17
2	11/07/17 0730 - 11/08/17 0730	2.5	11/09/17 - 11/10/17
3	11/09/17 0730 - 11/10/17 0730		11/11/17 - 11/13/17

5 CONTROL/DILUTION WATER:

Type	Prepared	Begin Use	1 3	nitial W	later Che	emistries	3	
1750	MM/DD/YY	MM/DD/YY	Hard.	Alk.	pH	Cond.	0	°C.
MHRW	11/06/17	11/07/17	1.00	58	7.85	290	@	25
MHRW	11/06/17	11/09/17	86	60	7.65	296	0	25
MHRW	11/06/17	11/10/17	94	60	7.59	303	0	25
MHRW	11/09/17	11/11/17	96	58	7.66	302	0	25
MHRW	11/09/17	11/13/17	94	58	7.49	299	@	25

6. TOXICITY TEST INFORMATION:

Test	Organism	Organism	Test	Solutio	n Conce	ntrations	(8)
Species	Age	Source					
P.p.	24 -48hr	Florida Bioassay Supply	16%			11	
C.d.	6-14 hr	ERA	16%				

Test Species	Test Vessel Type	Vessel Vol.(mL)	Solution Vol.(mL)	Org./Test Vessel	Replicates Per Conc.
P.p.	plastic beaker	500	250	10	4
C.d.	plastic beaker	25	20	1	10

Test Species	Temp. Range (°C.)	D.O. Range (mg/L)	pH Range (su)	Light Intensity Average (ftc.)
P.p.	24.6 - 26.0	6.6 - 9.2	7.06 -7.76	75
C.d.	24.6 - 25.5	8.2 - 9.2	7.30 -7.73	75

7. FEEDING:

Not Fed: Fed Daily: X Fed Irregular: (Explain in Comments Below)
Brine Shrimp: Fed 0.15 g Suspension of Newly Hatched Larvae 2 Times Daily.
YCT: Fed 0.130 mL Suspension Containing 1.87 g/L TS Daily.
Algae: Fed 0.130 mL Suspension Containing 3.0 x 107 Algal Cells/mL Daily.
COMMENTS:

FACILITY	NAME: ABC Coke			NPDES	#: AL00	03417 1	DSN: 001	DATE:	11/07/17
0 00000	ENCE POTICANT TESTS								
TOXICANT	: Sodium Chloride		SOURCE	E: Fishe	r Scien	tific		CAS#	7647-14-
Solution	Concentration Unit	: mg/L		g/L 1	8_	_ ot	her (spe	cify)	
Chronic:									
Test		Contro	7 - A	Refer	ence Te				
Org.	MM/DD - MM/DD	Water					Highest		
P.p.	11/28/17-12/05/17	MHRW	0	2.0	-	6.0	-	10.0	
C.d.		MHRW	0	0.5	1.0	1.5	2.0	2.5	
Test									NUMBER
org.	Endpoint	NOEC	(g/L))			ontrol	Limit	(N)
P.p.	Survival	4.0			2.0	- 4.0			20
P.p.	Growth	2.0	1		2.0	- 4.0			20
C.d.	Survival	1.5		2.01	0.5	- 1.5			20
		0.5	,		0.25	- 1.0			20
	CONDITION VARIABILI riations From Standa	rd Test		tions:					
V 102 mm		None							
11.C CH	RONIC SCREENING TOX	ICITY T	ESTS R	ESULTS	(Freshwa	ter):			
TEST ORG	MANISM: Ceriodaphnia	dubia							
Were Nec	onates Used to Begin	the Te	st Wit	hin 8 h	ours of	the sam	ie age?:	Yes	
Did 60%	of the CONTROL Fema	les Pro	duce T	heir <u>Th</u>	ird Broo	d? YES:	_X N	0:	
SURVIVAL									
	TOXICITY INDICATED:	YES	NO	X					
	TVAL STATISTICAL ANA								
	(%) 24h 100 48h 100				NT(%): 2	4h 100	48h 10	0 End	100
	Exact Test: A =								

page 3 of 4

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN:001 DATE: 11/07/17
REPRODUCTION (Average Nconates/Female) CHRONIC TOXICITY INDICATED: YES NO X
CONTROL: 22.8 EFFLUENT(%): 25.0
NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY: X
Normally Distributed: Yes No
Test Statistic: Critical Value: (Parametric)
Equal Variance: Unequal Variance:
F Statistic: Critical F:
/ Test Critical Value:
Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric) COMMENTS:
MORTALITY CHRONIC TOXICITY INDICATED: YES NO X CONTROL(%) 24h 100 48h 100 7day 100 EFFLUENT(%): 24h 100 48h 100 7day 98 NO MORTALITY STATISTICAL ANALYSIS NECESSARY: X Normally Distributed: Yes No Test Statistic: Critical Value: (Parametric) Equal Variance: Unequal Variance: F Statistic: Critical F: / Test Statistic: / Test Critical Value: Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric) GROWTH - Mean Dry Weight (mg)
CHRONIC TOXICITY INDICATED: YES NO X
CONTROL: 0.336 mg EFFLUENT: 0.413 mg
NO GROWTH STATISTICAL ANALYSIS NECESSARY: X
Normally Distributed: Yes No
Test Statistic: Critical Value: (Parametric)
Equal Variance: Unequal Variance:
F Statistic: Critical F:
/ Test Statistic: / Test Critical Value:
Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric) COMMENTS:

ng Information:			LRS Clien	t Informa	tion:			A	nalysis	/Containe	r/Preser	vative	Chain of Custoo		
RS, Inc. 5th Street iville, Alabama 359 5) 683-6731 aston@lab-resource	e.com		ABC Coke P.O. Box 10246 Birmingham, AL 35202 "Report to" Contact: Mr. David Vance					E					Laboratory Resources & Solutions, Inc. (LRS) A Laboratory Service Provider		
ect Name: 001 Chr	onic Toxic	ity		City/State colle Birmingham, A			(One 1-gallon HDPE, non-preserv				П				
Dibre	Permit ALC	003417		P.O. 3			E1000.0					11 10			
ed by (signature):	7-		(Begins on 1				100			- 1					
7.11	RUSH? PI			Date Ress	alts Needed:	9673	It.					1 1	Laboratory:		
cl on loo? N_ Ya/	N	ame Day (2 ext Day (10 Two Day (5 hree Day (2	00%) 0%)	SIO Solutions Supplied to Single Supplied Suppli			Chronic Toxicity						Environmental Resource Analysts, Inc. 2975 Brown Court Auburn, AL 36830		
Sample ID	Comp/Grab	Start Date	Start Time	End Date*	End Time*	Nun	_						Sample Remarks		
001 Discharge	Comp.	11-5-17	030	11-6-17	030	1	X						17409019		
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	-					-				-	+-				
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										1					
s: SS-Soil/Solid GW-Groun											Rainfall i	n Inches	pHTemp		
ished by:(Signature)	Received by:(S	se			es returned v	in FedE	UPS_			Condition (lab use only)					
delived by:(Signoture)	11-6-17	10:20	Rocelyed by: (Signature)	Torrup: Z. 6°C Bottles Received:										
uished by:(Signature)	Date:	Tone:	10	ab by: (Signatur	-	_	Date:	_			Timo:		pH Checked: NCF:		

....

Information:		LRS Clien	nt Informa	tion:			Analysis	/Container	/Preservative	 Chain of Custo				
383-6731 2n@lab-resource	Street e, Alabama 35953 83-6731 m@lab-resource.com Same: 001 Chronic Toxicity				202		e 1-gallon HDPE, non-preserv				& Solution	Page 1 of 1 Ory Resources Ons, Inc. (LRS) Ory Service Provider		
A Bourque	Permit # AL	0003417 Turnaroun	200%)			containers	Chronic Toxicity E1000.0 (One				Laboratory: Environmental Ro 2975 Brown Court	asource Analysts, Inc.		
Sample ID 301 Discharge	Comp/Grab	. 6 1		End Date*	End Time*	■ Number of Containers	X Chronic				Aubum, AL 36830	mple Remarks		
S-Soil/Solid GW-Groun	ndwater WW-Wa	astewater S	SW-Surface V	/ater DW-D	rinking Water	OT-	Other	(Describe)			pH			
marks: "End Date and	Date: Date:	Time: 0730 Time: 0900	Received by: (S	ignature)	d from Com	posi		npler* is returned via: FedE		Bottles Received:	Flow	Other(lab use only)		
hature implies acc	Date:	Time;	Received for la	b by: (Signatur		ewed	Date:	1-08-17	esource	Time: 1,545	pH Ghecked: NGF:			

ABC Coke P.O. Box 10246 Birmingham, Al. 38020 383-6731 angoliab-resource.com Report to Contact: Mr. Jeff McCord Report to Contact: Repo	nformation:			nt Informa	tion:				Analysis/0	Containe	/Preservati	ive	 Chain of Custo			
Project Turnaround (Begins on Lab Login Date) RUSH? Please Notify LRS Same Day (200%) Mex Day (100%) Two Day (50%) Three Day (25%) Sample ID Comp/Grab Start Date Start Time End Date* End Time* Di Discharge Comp. IIFII 7 0730 MINIT 0730 1 X Sample Remarks Sample Remar	Street 2, Alabama 359 83-6731 n@lab-resource	Street Alabama 35953 Birming 3-6731 Milab-resource.com Mr. Jeff ame: 001 Chronic Toxicity Permit # AL0003417				nicted:		one 1-gallon HDPE, non-preserv						& Solution	ons, Inc. (LRS	
Rush Please Notity Liks Same Page (200%) Same Page (200%) Next Date Page (200%) Ne	4 Bourgues	100000			P.O.#			00.00						W. K.		
Of Discharge Comp. Filtry 0730	Sough	RUSH? P	lease Noti ame Day (2 lext Day (1 Two Day (5	fy LRS 200%) 00%) 60%)			ber of Containers	Toxicity						Environmental R 2975 Brown Court		
Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe) ph Temp arise: "End Date and Time Indicates When Samples Were Removed from Composite Sampler" Rainfall in Inches Flow Other (Gisnaturo) Date: Inc. Respired 57/Signaturo) Condition (Inc. Prosoived by (Signature) (CSIS) Tomp: Q. YOC Bottles Received: N. J. 20 Bottles Received: N. J. 20 Bottles Received:	Sample ID						_	_		\perp				Sa	mple Remarks	
Condition Cond																
arks: "End Date and Time Indicates When Samples Were Removed from Composite Sampler" Rainfall in Inches Flow Other V.(Signature) Date: Time: Received by:(Signature) Condition (lab use only) V.(Signature) Date: Time: Received by: (Signature) Tomp: 2,400 Bottles Received:					1-8							\vdash				
Scargel 11/16/17 0730 Twne (035) y:(Signature) Data: 11-10-17 1030 BG Tomp: 2.40C Bottles Received: 11-10-17 1030 BG	arks: *End Date and	Time Indicate	s When S	amples We	re Remove			te Sa	npler*		-		ches	_ Flow	Other	
Office Property Company of the Compa	Scarpel	11/10/17	0730 Time:	Received by: (S	vne	- (OB)	5)				7)		pivod:			
W 11-17-17 1-17-17	y:(Signature)				ab by: (Signatur	3)		Date:	11-10	17		Time:	430	pH Checked:	NCF:	

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

ter t Si t E	Volum art Da	Ni	250m	ive		Source: Time: _/	est Organ ABS La 430	nisms: ot#: _80 adings: ol	1	Brine Shrimp Lot #: 29 Photoperiod: 16hrs. L; 8hrs. D						
st	1	2	3	4	# Alive	рН	DO (mg/L)	Temp	Feed	Water Chang e	Date/Time/ Initials	DO Meter/ Probe	pEt Meter/ Probe	MHRW Lot#	Therm ometer ID	Obs
at.	Fo	10	10	10	40	7.32		24-6	1600	NIA	1430 ZM	YS12	AB153	3468	713	N
	10	10	10	10	40	7.26	6.8	25.1	1900	AF	11.08.17 1345 AF			3468		N
	10	10	10	10	40	7.35	6.58	25.3	8930	JA	11.09.17 1430 JA		48153 #12	3469	723 237	N
	to	10	10	10	40	7.3	7.58 ANS 8.6	a3.0	030	JA	11.10.17 1270JA			3470	1	N
	10	10	10	10	40	7.20	7.7	25.6	1300	SH	11-11-17 11030 SH			3471		N
	10	10	10	10	40	7.31	7.68.7	25.2	0800	1	11-12-17 1400 AG			3471		N
	10	10	10	01	40	721	6.8	25:3	1700	Av	11-13-17 1500 AF			3472		N
	10	10	10	10	40	759	7.5	23.9		N/A	11.14.17 1630 AF			N/A	1	d

ervations Key

On Surface

LETH = Lethargic

N = Normal

CO = Caught On

N/A = Not Applicable

= On Bottom

ERR = Erratic Swimming

FC = Flared Carapace

F = Film

CLDY = Cloudy

= Precipitate

UM = Undissolved Material

PM = Particulate Matter

TRONMENTAL RESOURCE ANALYSTS, INC. 2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

-151 Test #: Client: ABC COVE 174119 174091 10 %-Effluent Sample #s: 1)

> Number Alive Replicate Number

Test Day	1	2	3	4	# Alive	pHq	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/Time/ Initials	Obs.	pH of 100% effluent
Start	10	10	10	10	40	7.40	8.8	24.6	1600	N/A	1435 24	N	7.82
	10	Ю	(0	10	40	7.33	65/	25.3	1000	AF	1350 AK	N	7.92
	10	P	10	10	46	7.45	9.000	26.0	930/	JA	1109:17	·N	225
	io	10	(0)	10	40	7.54	7.1	260/	0930	JA	11.10.17 1235 JA	N	7.54
	10	10	10	10	40	7.30/	13/	25.4	1300	SH	11:11:17 11:85.5H	N	751
	9	10	10	10	39	7.53	7.1	125.5		Æ	11.12.17 1405 Æ	N	7.59
	9	10	10	10	39	7.10	7.2	25.4	1700	AF.	1143.17 1505 AF	N	7.80
	9	10	10	10	39.	7.76		25.4	N/A	N/A	1635 AF	N	7.75

Observations Key

OS = On Surface

LETH = Lethargic

N=Normal

CO = Caught On

N/A = Not Applicable CLDY = Cloudy

ON = On Bottom PRE = Precipitate ERR = Erratic Swimming UM = Undissolved Material FC = Flared Carapace

F = Film

PM = Particulate Matter

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT. L:\Analytical Data\Toxicity\Fathead Minnow Test

AUBURN, AL 36830

(334) 502-3444

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

 Test #:
 74 - 15
 Analyst:
 JA | ZM
 Balance #:
 AND#2

 Date/Time in Oven:
 11-14-17 | 1750
 Date/Time Out of Oven:
 11-15-17 | 17 | Oven Temp:
 60 | c

Concentration	Replicate #	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)
Blank	1	0.95439	0.95438	N/A	N/A	N/A
	1	0.99834	1.00203	10	D.369	
Control	2	1.00746	1.01062	10	0.316	
Control	3	1.00823	1.01153	10	0.330	0,336
	4	0.99118	0.99446	19.	0.328	
	1	0.99111	0.99480	. 9	0.369	
16	2	0.98472	0.98916	10	0.444	0.413
% Effluent	3	098216	0.98650	[O	0.434	
Control	4	0.97425	0.97831	10	0.406	

Environmental Resource Analysts, Inc.

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

	lume: #: 2(67	20mL		solids			ER.		p 7	est Sta	rt Date	<u></u>			od: <u>16hrs</u> Time:		75. D			
e Lot	OL		e, 0 = D	ead, M	for l = Male,		I, and					d Date; er/ new		4.17		Time: _	13	\$	-		
1	2	3	4	5	6	7	8	9.	10	# Alive	рH	DO (mg/L)	Temp	Feed	Wate r Chan	Date/ Time/ Initials	DO Meter/ Probe	pH Meter/ Probe	100000000000000000000000000000000000000	Thermo	01-
1	. 1	1	1	1	1	1	1	1	1	10	7.32	8.6	2166		N/A	1407-17 1400 AF	VS12			TB 257#1	Obs
1	1	1	1	1	1	1	1	1	1.	10	7.39	83	25.5	AF		11.08.17 1500 AF		#16	3468		N
ì	1	1	1	1	1	1	}	V	1	10	7.41	8.5	253	AF	AF	11.09.17 1430 AF			3469		N
1	ĺ	1	1	1	1	4	1	1	- (10	737	8.2	25.4	SH		11.10-M 1200.5H	FIII	1	3470		N
1/2	1/5	1/1	1/2	1/3	1/3	1/2	1/4	1/3	1/3	10	7.410	8.8	25.4			HOOH!			3471		
1	1	1/2	1/3	-1/9	1	1	1	1	1/4	10	7.43	84	25.5 24.V			11-12-17 1400-SH			34:11	1-	N
1/6:	1/8.	:1:	:1:	1;	1/8.	1/3:	116	1/4.	100	10.	130	8 G	253	51-1	7154	11-13-17	1 .	10000	3472	X 3.7	N
1/16	1/14.	1/18	1/19	1/11	1/12	118.	1/10	1/12:	1/10-	10	7.41	8.2	NIA			HULLIT .		32 3	NIA	1.6	4
	7.	***		4.07		Y OX:								14657	NOTES.	יאי ערכו	47	1317		* 1.44	1.4
24:	2.7:	21	24.	7.3	73.	23:	20	19.	24	7				N/A.	λι/Δ -			1		10.00	J.
on Sur On Bo Preci	ons Ke face ttom pitate	LETH ERR = UM = U	Letha Erratic	rgic - Swimn	ning.		N=No FC=F		arapace		F = Film	rticulate	Matter	N/A =		pplicable oudy		e#neon		emale.	

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Test#: 74 - 151	Client: ABC COKE		
% Effluent	Sample #s: 1) [7409]	2) 1741/9	3) 17 4205

I = Alive, 0 = Dead, M = Male, / # = # neonates Replicate Number (# Adults/ # Neonates)

Test Day	1	2	3	4	5	6	7	8	9	10	# Alive	pЩ	DO (mg/L)	Temp	Feed	Water Change	Date/ Time/ Initials	Obs
Start	1	1	1	1	1	1	1	1	1	1	10		8.8	24.0	AF	NA	11.07.17 1405 AF	N
	A.	1	1	-1	1	1	1	ι	1	(10	7.59/			KF	MF	11-08-17 1505 AF	N
	1	1	1	1	-1	1	1	TI.	1	1	10	7.71	8.2/	254	AF.	AF	11.09.17 1435 AF	N
	1	1,	1	1	1	1	1	1.	1	1	10 -	7.00		15.3	HZ	LI2.	11-10-17 1205 (3H	N
	1/3	14	1/2	1/2	1/6	1/5	1/3	1/2	1/5	1/4	10	7.70	9.2	25.4	SH	Sti	11.11.17 1405 SH	N
	1/5	1	18	ı	1	1	1	1	1	16	10	7.75 7.553	9.0	153	SH	Hz	11.12-17 1405 SH	N
	1	1/6	1	1/7	19	1/10	1/11	1/7	1/11	1	10	455		253/ 154	SH	HZ	11.8.11 H2.3031	7
	1/16	1/13	1/13	1/15	1/14	1/14	1/11	1/16	1/10	1/12	10	NIA NIA		NIA	7.75	N/A	11-14.M 1305 AF	N
onates	24	23	23	24	29	29	25	25	26	22		_		_	N/À	N/A		

S = On Surface

LETH = Lethargic

N = Normal

CO = Caught On

N/A = Not Applicable CLDY = Cloudy

Average # neonates per female

N = On Bottom RE = Precipitate ERR = Erratic Swimming
UM = Undissolved Material

FC = Flared Carapac F = Film Cl PM = Particulate Matter

25.0

NVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

Toxicity Bench Sheet

Client: ABC COKe

Collection Lab#/ Date/Time	Sample	pH Analysis Date/ Time	A				TRC Result	
0130	#1	11.06.17	AF	AB153 , #12	7.74	NIA	NIA	
0730	#2	11.08.17	AF		7.92			
0630	#3	11-10-17	SH		7.54			

002 STORM WATER MONITORING

SAMPLE DATE:	11/2/201	7			
SAMPLE LOCATION:	002 DISC	HARGE			
SAMPLER:	NORMAN	LOEBLER			
SAMPLE TIME:	10:45 AI	VI			
WEATHER CONDITIONS:	CLEAR				
CREEK CONDITIONS;	CLOUDY				
INITIAL STAFF LEVEL: 75"		11/2/2017			
VOLUME: 1	5,230,708 GA	LLONS			
FINAL STAFF LEVEL: 49"	DATE:	11/7/2017			
VOLUME: 9	,293,885 GA	LLONS			
TOTAL DISCHARGE VOLUME	5,936,82	3 GALLONS			
DAILY AVERAGE FLOW:	1.187 MGD				

pH:	6.77 SU
TSS(mg/L):	23.6
NH3-N(ppd):	1.09
CN(T)(ppd):	BMDL
BENZO(a)PYRENE (ppd):	BMDL
PHENOLS (ppd):	BMDL
BENZENE (ppd):	BMDL
NAPTHALENE (ppd):	BMDL
MANGANESE,T (mg/L):	0.067
IRON, T (mg/L):	0.949
O & G (mg/L)	BMDL

SAMPLE DATE:	11/13/2017
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER;	NORMAN LOEBLER
SAMPLE TIME:	9:40 AM
WEATHER CONDITIONS:	CLOUDY
CREEK CONDITIONS:	CLEAR
	" DATE: 11/13/2017
	15,940,897 GALLONS
FINAL STAFF LEVEL: 46	5" DATE: 11/18/2017
VOLUME:	8,487,870 GALLONS
TOTAL DISCHARGE VOLU	ME: 7,453,027 GALLONS
DAILY AVERAGE ELOW	1.491 MGD

pH:	7.11 SU
TSS(mg/L):	8.8
NH3-N(ppd):	2.49
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	0.089
IRON, T (mg/L):	0.695
O & G (mg/L)	BMDL

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 10 01 | To: | 17 12 31 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	ality or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	0.4		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	*****		Quarterly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	12/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 12 01 | To: | 17 12 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		8.0	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
PH	Sample Measurement	****	****	****	6.8	****	7.5	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		6.0 minimum daily	****	9.0 maximum daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	6.0	10.0		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	an an an an a		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	7.9	11.3	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	10.3	13.0	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	lbs/day	****	****	****	ale ale de ale ale		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.4	0.8	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	01/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 12 01 | To: | 17 12 31 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	*B	*B		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.5	0.5	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly	10 maximum daily	lbs/day	****	****	****			Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	****	****	****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B	26	****	****	****	*****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.27198	0.32719	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	renort monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	*B	*B	26	****	****	****	*****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	01/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

COUNTY: Jefferson Industrial

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

*** NO DISCHARGE [] ***

MAJOR

Parameter		Quantity of	or Loading	Units	Qua	ality or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	4696.0		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	*****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	6.5	7.9	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	01/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 17 10 01 | To: | 17 12 31 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	ality or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	0.4		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	*****		Quarterly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	12/22/2017

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0021**

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 17 12 31 From: 17 12 01

MAJOR

Jefferson **COUNTY:** PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	ality or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
РН	Sample Measurement	****	****		6.57	****	6.84	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	23.6	27.5	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	12.35	24.70	10	1	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	5.3	7.41	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.99	1.01	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.07	0.08	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	01/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: 17 12 01 | To: 17 12 31 MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.828	1.879	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****	*****		Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	01/26/2018

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

Birmingham, AL35202-0246

MONITORING 1100

POINT:

COUNTY:

Jefferson)

FACILITY: Abc Coke Div Drummond Co Inc LOCATION:

900 Huntsville Avenue

Monitoring Period: 2017-12-01To: 2017-12-31

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Quality	or Conc	entration	Units	No. Ex.	Frequency of Analys	Sample Type
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		8.0	****	****		0	Weekly	Grab
ARAM CODE: 00300 tage Code: 1 inal Effluent	Permit Requirement	*****	*****		6,0 Minimum Daily	****	*****	19 mg/l		Weekly	Grab
H	Sample Measurement	*****	*****		6.8	****	7.5	9.1	0	Daily	Grab
ARAM CODE: 00400 tage Code: 1 inal Effluent	Permit Requirement	*****	*****		6.0 Minimum Daily	****	9.0 Maximum Daily	12 S.U.		Daily	Grab
OLIDS, TOTAL SUSPENDED	Sample Measurement	6.0	10.0		*****	*****	*****		0.	Weekly	Composite
PARAM CODE: 00530 Stage Code: 1	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
DIL & GREASE	Sample Measurement	*B	*B		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00556 tage Code: 1	Permit Requirement	25,0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	*****	*****		L	2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	7.9	11.3		****	*****	****		0	Weekly	Composite
ARAM CODE: 00610 tage Code: 1	Permit Requirement	33.1 Monthly Average	52.4 Maximum Daily	26 lbs/day		****	*****			Weakly	Composite
NITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	10.3	13.0		*****	****	*****		0	Weekly	Composite
PARAM CODE: 00625 Stage Code: 1	Permit Requirement	232 Monthly Average	348 Maximum Daily	26 lbs/day	****	*****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0,4	0:8		****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00720 tage Code: 1 inal Effluent	Permit Requirement	18,27 Monthly Average	26.11 Maximum Daily	26 Ibs/day	****	*****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	SUBMITTED HEREIN AND BASE NEORMATION I BELIEVE THE	LAW THAT I HAVE PERSONALI D ON MY INQUIRY OF THOSE D SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI C § 1319 clude lines up to \$10,000 and or man	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON: INCLUDING THE POSSIBIL	ESPONSIBLE ETE, I AM A LITY OF FINE	FOR OBTAINING THE WARE THAT THERE ARE AND IMPRISONMENT	Off	ature of Principal Exec icer Or Authorized Ag			Telephone No	Date (MM/DD/Y)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION:

900 Huntsville Avenue

Monitoring Period: 2017-12-01To: 2017-12-31

0011

NO DISCHARGE FROM SITE:

()

Parameter		Quantity o	r Loading	Units	Qual	ity or Concent	ration	inits	No. Ex.	Frequency of Analysi	Sample Typ
RON, TOTAL (AS FE)	Sample Measurement	*B	*B		*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 Ibs/day	*****	*****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.5	0.5	1 8	*****	*****	*****		0	Monthly	Composite
ARAM CODE: 01055 tage Code: 1	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Composite
BENZO(A)PYRENE	Sample Measurement	*B	*B		*****	*****	*****		0	Weekly	Composite
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	0.0012 Monthly Average	0,0024 Maximum Daily	26 Ibs/day	****	****	*****			Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	172	*****	*****	*****		0	Monthly	Grab
ARAM CODE: 34696 tage Code: 1	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 lbs/day	*****	****	*****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B		*****	****	*****		0	2X Monthly	Grab
ARAM CODE; 46000 tage Code: 1	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	26 Ibs/day	*****	****	*****			2X Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	0.27198	0.32719		*****	*****	*****		0	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	****	****		Ī	Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	*B	*B		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 51173 tage Code: 1	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 lbs/day		****	****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE INFORMATION, I BELIEVE THE SUBMITICANT PENALTIES FOR SISEE 18 U.S.C. § 1001 AND 33 U.S.C. Penalties under these statutes may in	D ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI 2 \$1319	NDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	ESPONSIBLE I LETE, I AM AW LITY OF FINE	FOR OBTAINING T VARE THAT THERE AND IMPRISONME	ARE Officer	of Principal Execu Or Authorized Age			Telephone No	Date (MM/DD/

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

Birmingham, AL35202-0246 POINT:

MONITORING 0011 COUNTY:

Jefferson

FACILITY: LOCATION: Abc Coke Div Drummond Co Inc.

900 Huntsville Avenue

Monitoring Period: 2017-12-01To 2017-12-31

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Qua	nlity or Concent	tration	Units	No. Ex.		f Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	9A	*****	****	*****		0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	*****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	*****	*****	*****		0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	11111	0 Maximum Daily	pass(0)/fail (1)	****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	4696,0	26	****	*****	****		0	Monthly	Composit
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	lbs/day	****	*****	*****			Monthly	Composito
	Sample Measurement	6.5	7.9	26	****	*****	*****		0	Weekly	Composite
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	213 Monthly Average	320 Maximum Daily	lbs/day	****	*****	*****			Weekly	Composite
Officer Or Authorized Agent	LIBMITTED HEREIN AND BASE NFORMATION I BELIEVE THE IGNIFICANT PENALTIES FOR S EE 18 U.S.C. & 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ED ON MY INQUIRY OF THOSE I SUBMITTED INFORMATION IS SUBMITTING FALSE INFORMAT C. § 13.19 nclude Tines up to \$10,000 and or ins	NDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	ESPONSIBLE FOR OF ETE 1 AM AWARE TO LITY OF FINE AND IN	TAINING THE HAT THERE ARE		incipal Executive athorized Agent		Teleph	one No I	ate (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION:

Abe Coke Div Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2017-12-01To: 2017-12-31

0021

NO DISCHARGE FROM SITE:

()

Parameter		Quantity	or Loading	Units	Qu	ality or Concentr	ration	Units	No. Ex.	Frequency of Ana	ysisSample Typ
PH	Sample Measurement	*****	****		6,57	*****	6.84		0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		6.0 Minimum Dail <u>y</u>	****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	23,6	27,5	II.	0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****	1	*****	12,35	24.70		1	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	5.3	7.41		*****	****	****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 Ibs/day	*****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		******	*****	****		0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.99	1.01	T	0	2X Monthly	Grab
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	****	****		****	3,0 Monthly Average	6,0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	****		****	0,07	0.08	41	0	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	IGNIFICANT PENALTIES FOR SI EE IB U.S.C. § 1001 AND 33 U.S.C.	D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMAT 2. §1319	NDIVIDUALS IMMEDIATELY R FRUE, ACCURATE AND COMPL	ESPONSIBLE ETE I AM A LITY OF FIN	FOR OBTAINING TO WARE THAT THERE AND IMPRISONME	ARE Officer Or	Principal Executive Authorized Agent		Tele	phone No D	ate (MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

46 MONITORI AL35202-0246 POINT:

MONITORING 0021

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246 Abe Coke Div Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2017-12-01To: 2017-12-31

NO DISCHARGE FROM SITE:

()

Parameter		Quantity o	r Loading	Units	Qual	lity or Concent	ration (nits No. Ex.	Frequency of Ana	ysisSample Type
BENZENE	Sample Measurement	****	*B	1 = 1	****	****	*****	0	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 Ibs/day	****	*****	*****		Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34247 Stage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	****	*****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	1 = 1	*****	****	*****	0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1	Permit Requirement	****	REPORT Maximum Daily	26 Ibs/day	*****	*****	*****		Monthly	Grab
PHENOLS	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
ARAM CODE: 46000 tage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	1.828	1.879		-****	****	*****	0	Daily	Calculated
ARAM CODE: 50050 tage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	****	****	*****		Daily	Calculated
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE INFORMATION, I BELIEVE THE S SIGNIFICANT PENALTIES FOR SI SEE 18 U.S.C. § 1001 AND 33 U.S.C. Penalties under these statutes may in	D ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI \$ \$1319	NDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	ESPONSIBLE I LETE I AM AW LITY OF FINE	OR OBTAINING T ARE THAT THERI AND IMPRISONMI	THE Officer	of Principal Execut Or Authorized Ager		Telephone No	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

age 5

002 STORM WATER MONITORING

SAMPLE DATE:	12/5/201	18
SAMPLE LOCATION:	002 DISC	HARGE
SAMPLER:	NORMAN	LOEBLER
SAMPLE TIME:	11:45 A	M
WEATHER CONDITIONS:	RAIN	
CREEK CONDITIONS:	CLEAR	
INITIAL STAFF LEVEL: 83"		
VOLUME: 17 FINAL STAFF LEVEL: 42"	DATE:	12/10/2018
VOLUME: 7	688,183 GA	
TOTAL DISCHARGE VOLUME		
DAILY AVERAGE FLOW:	1.8	79 MGD

pH:	6.57 SU
TSS(mg/L):	27.5
NH3-N(ppd):	3.13
CN(T)(ppd):	BMDL
BENZO(a)PYRENE (ppd):	BMDL
PHENOLS (ppd):	BMDL
BENZENE (ppd):	BMDL
NAPTHALENE (ppd):	BMDL
MANGANESE,T (mg/L):	0.055
IRON, T (mg/L):	1.01
O & G (mg/L)	BMDL

SAMPLE DATE:	12/18/201	8
SAMPLE LOCATION:	002 DISCH	HARGE
SAMPLER:	NORMAN	LOEBLER
SAMPLE TIME:	10:50 AM	И
WEATHER CONDITIONS:	RAIN	
CREEK CONDITIONS:	CLOUDY	
INITIAL STAFF LEVEL: 84"	DATE:	12/18/2018
VOLUME: 17,	372,019 GA	LLONS
FINAL STAFF LEVEL: 46"	DATE:	12/23/2018
VOLUME: 8,4	487,870 GAI	LONS
TOTAL DISCHARGE VOLUME:	8,884,14	6 GALLONS
DAILY AVERAGE FLOW:	1.77	7 MGD

pH:	6.84
TSS(mg/L):	19.6
NH3-N(ppd):	7.41
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	0.081
IRON, T (mg/L):	0.971
O & G (mg/L)	24.7



LRS, Inc.

Laboratory Resources & Solutions, Inc. 205 6th Avenue Ashville, AL 35953 (205) 594-1445

www.lab-resource.com

Analytical Data Report

Client:

ABC Coke

PO Box 10246

Birmingham, AL 35202

Attention:

Mr. David Vance

Project Name: 001 Chronic Toxicity - December 2017

Date:

January 08, 2018

Primary Data Review by:

Courtney Snow

Courtnay Snow

Project Manager Laboratory Resources & Solutions, Inc. (LRS)

csnow@lab-resource.com

- * Unless otherwise noted, all analyses on this report performed at ERA, 2975 Brown Court, Auburn, AL 36830.
- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 01 01 | To: | 18 01 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		7.0	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
PH	Sample Measurement	****	****	****	6.9	****	7.2	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		6.0 minimum daily	****	9.0 maximum daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	7	13		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	*****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	*****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	0.5	0.7	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	2	6	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	lbs/day	****	****	****	200 100 100 100 100		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	1.11	1.33	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	02/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | From: | 18 01 01 | To: | 18 01 31 |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	0.7	0.7		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.2	0.2	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly	10 maximum daily	lbs/day	****	****	****	*****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	16 16 16 16	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	0.01	0.02	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.27916	0.36623	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.012	0.014	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	02/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT:** 0011

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 18 01 31 From: 18 01 01

MAJOR

Jefferson **COUNTY:** PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	` ,				No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	4756		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	*****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	6	8	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	02/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 01 01 | To: | 18 01 31 |

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		6.78	****	7.05	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	8.2	13.2	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	0.90	1.80	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	6.9	7.41	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.89	1.200	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.12	0.153	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	02/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 01 01 | To: | 18 01 31 | MAJOR

COUNTY: Jefferson

PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 340'30 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	赤赤赤赤	****			Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.534	1.777	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	02/27/2018

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: PO Box 10246

Birmingham, AL35202-0246

MONITORING 0011

POINT:

COUNTY:

Jefferson

FACILITY: Abc Coke Div Drummond Co Inc LOCATION:

900 Huntsville Avenue Tarrant, AL 35217

Monitoring Period: 2018-01-01To: 2018-01-31

NO DISCHARGE FROM SITE:

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Parameter		Quantity of	r Loading	Units	Quality	ity or Concentration Un			No. Ex.	Frequency of Analy	sisSample Typ
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	*****		7.0	*****	*****		0	Weekly	Grab
PARAM CODE: 00300 Stage Code: 1	Permit Requirement	*****	*****		6.0 Minimum Daily	****	*****	19 mg/l		Weekly	Grab
Н	Sample Measurement	*****	*****		6.9	*****	7.2	251	0	Daily	Grab
PARAM CODE: 00400 Stage Code: 1	Permit Requirement	*****	*****		6,0 Minimum Daily	****	9,0 Maximum Daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	7	13		*****	*****	*****		0	Weekly	Composite
PARAM CODE: 00530 Stage Code: 1	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
DIL & GREASE	Sample Measurement	*B	*B	1	*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1	Permit Requirement	25,0 Monthly Average	37.5 Maximum Daily	26 Ibs/day	*****	*****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	0,5	0,7	0	*****	*****	****		Q	Weekly	Composite
PARAM CODE: 00610 Stage Code: 1	Permit Requirement	33.1 Monthly Average	52.4 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
VITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	2	6		*****	****	*****		0	Weekly	Composite
PARAM CODE: 00625 Stage Code: 1	Permit Requirement	232 Monthly Average	348 Maximum Daily	26 Ibs/day	*****	****	24669			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	1.11	1,33		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00720 tage Code: 1	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	26 lbs/day	*****	****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREIN AND BASE! NFORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE 18 U.S.C. § 1001 AND 33 U.S.C Penalties under these statutes may in	O ON MY INQUIRY OF THOSE IN UBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI \$1319	NDIVIDUALS IMMEDIATELY F RUE, ACCURATE AND COMPI ON, INCLUDING THE POSSIBI	ESPONSIBLE ETE I AM A LITY OF FINE	FOR OBTAINING THE WARE THAT THERE ARE AND IMPRISONMENT	on	nture of Principal Exec icer Or Authorized Ag			Telephone No	Date (MM/DD/

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 1

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION:

Abc Coke Div Drummond Co Inc

900 Huntsville Avenue Tarrant AL 35217

Monitoring Period: 2018-01-01To: 2018-01-31

0011

NO DISCHARGE FROM SITE:

()

Parameter		Quantity o	r Loading	Units	Qual	lity or Concent	ration		No. Ex.	Frequency of Analys	isSample Typ
RON, TOTAL (AS FE)	Sample Measurement	0,7	0,7		*****	*****	*****		0	Monthly	Composite
ARAM CODE: 01045 tage Code: 1	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 Ibs/day	*****	****	10000			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0,2	0.2		*****	*****	*****		Q	Monthly	Composite
ARAM CODE: 01055 tage Code: 1	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	****	*****	*****			Monthly	Composite
BENZO(A)PYRENE	Sample Measurement	*B	*B		*****	*****	*****		0	Weekly	Composite
ARAM CODE: 34247 Stage Code: 1	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily	26 lbs/day	*****	*****	49911			Weekly	Composite
APHTHALENE	Sample Measurement	*B	*B		*****	29224	*****		0	Monthly	Grab
ARAM CODE: 34696 tage Code: 1 inal Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 Ibs/day	****	****	*****			Monthly	Grab
HENOLS	Sample Measurement	0.01	0,02	1 - 1	*****	*****	*****	\neg	0	2X Monthly	Grab
ARAM CODE: 46000 tage Code: 1	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	26 lbs/day	*****	****	*****			2X Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	0.27916	0.36623	1-21	*****	*****	****		0	Daily	Calculated
ARAM CODE: 50050 stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	*****	*****			Daily	Calculated
YANIDE, FREE AVAILABLE	Sample Measurement	0.012	0.014		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 51173 tage Code: 1 inal Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 lbs/day	*****	****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE INFORMATION. I BELIEVE THE SUGNIFICANT PENALTIES FOR SIGNIFICANT PENALTIES FOR SIGNIFICANT PENALTIES FOR SIGNIFICANT PERSONNEL SIGNIFICANT PROBLEM SIGNIFICANT SIGNIFICANT PROBLEM SIGNIFICANT	D ON MY INQUIRY OF THOSE P SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI § § 1319	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON INCLUDING THE POSSIBII	ESPONSIBLE F ETE, I AM AW JTY OF FINE /	FOR OBTAINING T ARE THAT THERE AND IMPRISONME	HE Officer	of Principal Execut Or Authorized Agen			Telephone No	Date (MM/DD/)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 2

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

900 Huntsville Avenue LOCATION:

Monitoring Period: 2018-01-01To: 2018-01-31

0011

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Qua	ality or Concent	ration	Units No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	Q_	9A	*****	*****	*****	0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	*****	*****	*****		Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A	*****	*****	*****	0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	*****	****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	4756	26	****	****	*****	0	Monthly	Composit
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	lbs/day	****	*****	*****		Monthly	Composit
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	6	-8	26	****	*****	****	0	Weekly	Composit
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	213 Monthly Average	320 Maximum Daily	lbs/day	*****	*****	*****		Weekly	Composit
Officer Or Authorized Agent	UBMITTED HEREIN AND BASE FORMATION I BELIEVE THE IGNIFICANT PENALTIES FOR S EE 18 U.S.C. § 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ON MY INQUIRY OF THOSE I SUBMITTED INFORMATION IS SUBMITTING FALSE INFORMAT C § 1319 Include lines un to \$10,000 and or many includes lines un to	NDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	ESPONSIBLE FOR OF LETE, I AM AWARE TO LITY OF FINE AND IN	TAINING THE HAT THERE ARE		incipal Executive thorized Agent	Telepho	one No Da	ite (MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

02-0246 POINT:

MONITORING 0021

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

Monitoring Period : 2018-01-01To: 2018-01-31

NO DISCHARGE FROM SITE:

COUNTY:

()

Parameter		Quantity of	r Loading	Units	Qua	ality or Concentr	ation	Units	No. Ex.	Frequency of Analysis	Sample Ty
PH	Sample Measurement	****	****		6.78	****	7.05		0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	*****	****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		44444	8.2	13.2		0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****			35 Monthly Average	70 Maximum Daily	19 mg/I		Weekly	Grab
OIL & GREASE	Sample Measurement	****	*****		*****	0.90	1.80		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	****	*****			10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	6.9	7.41		*****	*****	****		D	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****		*****		0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	****	*****	****			Monthly	Grah
RON, TOTAL (AS FE)	Sample Measurement	****	*****		*****	0.89	1,200		0	2X Monthly	Grah
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	3,0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****	1	*****	0.12	0.153		0	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Pinal Effluent	Permit Requirement	*****	*****		*****	2,0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	UBMITTED HEREIN AND BASE NFORMATION 1 BELIEVE THE 5	LAW THAT I HAVE PERSONALI DON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI 2 § 1319 Stude fines up to \$10,000 and or man	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBIL	ESPONSIBLE ETE 1 AM A LITY OF FIN	FOR OBTAINING TO WARE THAT THERE AND IMPRISONMENT	ARE Officer Or	Principal Executive Authorized Agent		Tele	ephone No Date (MM/DD/YY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 4

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION:

Abc Coke Div Drummond Co Inc

N: 900 Huntsville Avenue

Monitoring Period: 2018-01-01To: 2018-01-31

0021

NO DISCHARGE FROM SITE:

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v.	w	
۸.	Э.	

Parameter		Quantity of	or Loading	Units	Qual	lity or Concent	ration	No. F	Frequency of Analy	sisSample Type
BENZENE	Sample Measurement	****	*B		*****	****	*****	0	Monthly	Grab
ARAM CODE: 34030 tage Code: 1 inal Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	****	*****	****		Monthly	Grah
ENZO(A)PYRENE	Sample Measurement	****	*B		*****	*****	*****	0	Monthly	Grab
ARAM CODE: 34247 stage Code: 1	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	****	*****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B	1 1	****	*****	*****	0	Monthly	Grah
ARAM CODE: 34696 tage Code: 1 inal Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Grab
HENOLS	Sample Measurement	*****	*B		*****	****	*****	0	Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	****	****		Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	1,534	1.777		*****	****	*****	0	Daily	Calculated
ARAM CODE: 50050 tage Code; 1 inal Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	****	*****		Daily	Calculated
Officer Or Authorized Agent SIG	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE NFORMATION. I BELIEVE THE SIGNIFICANT PENALTIES FOR SISEE 18 U.S.C. § 1001 AND 33 U.S.C. Penalties may in these strautes may in the strautes may in the significant penalties under these strautes may in the significant penalties under the significant penalties und	D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI 2. §1319	NDIVIDUALS IMMEDIATELY P TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBI	LETE I AM AW LITY OF FINE	OR OBTAINING T ARE THAT THERI AND IMPRISONME	HE Officer	of Principal Exec Or Authorized Ag	3	Felephone No	Date (MM/DD/Y



LRS, Inc.

Laboratory Resources & Solutions, Inc. 205 6th Avenue Ashville, AL 35953 (205) 594-1445

www.lab-resource.com

Analytical Data Report

Client:

ABC Coke

PO Box 10246

Birmingham, AL 35202

Attention:

Mr. David Vance

Project Name: 001 Chronic Toxicity - January 2018

Date:

February 05, 2018

Primary Data Review by:

Courtnay Snow Project Manager

Courtney Snow

Laboratory Resources & Solutions, Inc. (LRS)

csnow@lab-resource.com

- * Unless otherwise noted, all analyses on this report performed at ERA, 2975 Brown Court, Auburn, AL 36830.
- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT TOXICITY TEST REPORT SUMMARY

1. GENERAL:	130	T 000341	7	Dev	1: 001		COUNT	v. Jef	ferson			
NPDES PERMIT				Dar	4: 001		COULT	1. 001	LOLDON			
Permittee:												
Facility Nam				off M	Cord							
Agent Submit Lab Conducti	ting Ke	port:	MI. U	ELL MC	2075	Brown	Ct A	uhurn	AT. 3	6830		
			est (s)	: BRA,	29/5	BLOWII	CL., A	ubulli,	an 3	0000		
Months To Te	st: Mo	ntniy	n/-	1 nom	deed F	or the	Month	of.	Tan			
This Report						Accele	rated	Tost (c): Yes		No	х
Scheduled Te				No	For Fai					_	_ 110	
Accelerated			_ of				neuure		r Acut	e Defi	nitive	
Test Type Re					Chank	+	Chroni	-	nitive		LIIICIVE	
Short-term (chronic	Screen:	ing:	X	Short	-cerm	Chroni	c berr	.mrtive	•		
204	/al-2011	A.L.		- 2		maa.	+ 0===	má am i T	dmonha	lee n	comelas	
Test (rganisi	n:Cerio	apnnı	a dub	la Lanton				Pimepha			
Sam Date/Ti						Date	/ TIME	BLAIL!	MM/DD	/vv m	T.MM I	1 5:1ct
		MM MM/										Yes
1 1/23/	18 15:0	0 1/3	0/18	17:00	Yes	1 1/	23/18	13:00	1/30	7/10 1	5:00	ies
					o mnomo	ris.						
2.A. SUMMARY	OF RE	BULTS F	OR SCE	GENTH								ì
						est	Number		1		(4)	-
Test Eff.	-	(1)			(2)		a string	(3)	- Council		(4)	Owerel
Org. Conc	Surv	Repr	Grow		Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p. 16%	PASS	N/A	PASS									
C.d. 16%	PASS	PASS	N/A									
			2015 50									
3. LABORATO						_			mna	1 4-		1
	BOD5	TSS		13	рН	Alk		lard	TRC		nductiv	vity
-	ng/1 1	mg/l	-	3/1	su	mg/l	1 T	ng/l	mg/l		μS	
											_	
				-			_!_			_		1
3			0.3	334	7.56	200		18		37	80	
Chemical And Total 24-Horization of the penalty qualified personnel progressions before gather than the penalty qualified personnel progressions and the personnel progressions are penalty qualified personnel progressions.	alyses ur Flow of law that th	Perform : (1) C	0.3 ed By 24-1 and all atta	MGD chments w tion submit	ERA (2) 0. ere prepared ted. Based o	under my o	firection or s	on or person	38 Mo	37 37 37 37 37 37 37 37 37 37 37 37 37 3	1.0 8.0 stem design	e persons
significant penalties for					oility of fine ar	nd imprisonr	nent for kno	wing violatio		DATE:		

FACILITY NA	ME: ABC Co	ke	NP	DES	#: ALO	0034	17 D	SN:00	1 D	ATE:	1/23/1
A. SAMPLE C	OLLECTION:										
mlit Campl	er. N/A X	Yes(Ex	plain)								
Samples Col	lected as S	pecified in t	he NPDES	Perm	it: Ye	s X		No (Ex	plai	n)	
eceiving W	later: Five	Mile Creek									
esign Flow	1: 0.406	(MGD)									
Sample] Sa	mple(s) Colle	cted		Arriva		I MM			Test (and the same of th
Id.	1/21/3	18 0730 - 1/	22/18 073		2					1/24	
1 2			24/18 073		3	_				1/26	
3		The second secon	26/18 073		2.6			1/27/			
3	1/25/	10 0/30 - 1/	20/10 0/0								
Type	/DILUTION W. Prepare MM/DD/Y	d Begi	n Use	Наг	100	itial		er Che		cries	@°C.
MHRW	1/13/1		1/23/18					7.69		6	@ 25
MHRW	1/22/1		4/18	8	38	62		7.77		2	@ 25
MHRW	1/22/1		5/18	8	34	57		7.72	31	8	@ 25
MHRW	1/24/1		7/18	8	88	60	1	7.73	31	1	@ 25
Minen	1/21/2								-		
S. TOXICIT	Y TEST INFO	RMATION:									
Test	Organism	Organ	nism		Tes	t Sol	utio	n Cond	centa	ation	g (%)
Species	Age	Sou	rce		100						
P.p.	24 -48hr	Florida Bio	assay Sup	ply	16%						7
C.d.	0-6 hr	ERA			16%						
Test Species	T	Vessel ype	Vessel Vol.(mL		Soluti Vol.(m		Ves		'	Replic Per C	
P.p.	plastic b	eaker		250		1			4		
C.d.	plastic b	eaker	25		20			1		10	
Test Species	Temp. R		. Range	1	pH R	ange u)				ntensi (ft	
P.p.	24.1 -		3 -10.0	7.16 -7.89					A17 = 1		
C.d.		24.8 - 26.0 8.0 -10.0 7.30 -7.89 75									

7. FEEDING:

Fed Daily: X Fed Irregular: ___(Explain in Comments Below) Not Fed: ___ Brine Shrimp: Fed 0.15 g Suspension of Newly Hatched Larvae 2 Times Daily. YCT: Fed 0.130 mL Suspension Containing 1.70 g/L TS Daily. Algae: Fed 0.130 mL Suspension Containing 3.0 x 107 Algal Cells/mL Daily. COMMENTS:

FACILITY	NAME: ABC Coke			NPDES	#: AL00	03417 1	OSN:001	DATE:	1/23/18
	ENCE TOXICANT TESTS		OURCI	R: Fishe	r Scien	tific		CAS#:	7647-14-5
	Concentration Unit				8	Ot	her(spe	cify)	
Chronic:		. 11972	_	5/	_	- 20	1700 0141	EXEK:	
Test.	Test Date	Control	1	Refer	ence Te	st Solu	tion Co	ncentra	tions
Org.		Water						Conc.)	
	1/23/18- 1/30/18	-	0	1 2.0	1 4.0		8.0	10.0	1
C.d.	1/23/18- 1/30/18		0	0.5	1 1.0	1.5	2.0	2.5	
Test	1		777		Table 1				NUMBER
Org.	Endpoint	NOEC	(q/L)	CUSUM	Chart C	ontrol	Limit	(N)
P.p.	Survival	2.0	and Milanes		2.0	- 4.0			20
P.p.	Growth	2.0			2.0	- 4.0			20
C.d.	Survival	1.5			0.5	- 1.5			20
C.d.	Reproduction	1.0			0.25	- 1.0			20
to Tito	condition VARIABILI	Di da da da da	Condi	tions:					
TEST ORG	RONIC SCREENING TOX FANISM: Ceriodaphnia onates Used to Begin of the CONTROL Fema	CITY TE	t Wit	hin 8 h	ours of	the sam			
CHRONIC NO SURVI	TOXICITY INDICATED: VAL STATISTICAL ANA (%) 24h 100 48h 100	LYSIS NE	CESSA 00	RY: X EFFLUE			48h <u>10</u>	0 End	100

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN:001 DATE: 1/23/18
REPRODUCTION (Average Neonates/Female) CHRONIC TOXICITY INDICATED: YES NO _X CONTROL: _20.5
TEST ORGANISM: Pimephales promelas MORTALITY CHRONIC TOXICITY INDICATED: YES NO X CONTROL(%) 24h 100 48h 100 7day 100 EFFLUENT(%): 24h 100 48h 100 7day 98 NO MORTALITY STATISTICAL ANALYSIS NECESSARY: X Normally Distributed: Yes No Test Statistic: Critical Value: (Parametric) Equal Variance: Unequal Variance: F Statistic: Critical F: / Test Statistic: / Test Critical Value: Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric)
GROWTH - Mean Dry Weight (mg) CHRONIC TOXICITY INDICATED: YES NOX CONTROL: 0.343 mg

Chain of Custody Page 1 of 1 S Laboratory Resources & Solutions, Inc. (LRS) A Laboratory Service Provider Environmental Resource Analysts, Inc. (lab use crily) Temp Other Sample Remarks 20 Auburn, AL 36830 2975 Brown Court aboratory: oH Checked: Flow 표 13:30 Rainfall in Inches Analysis/Container/Preservative gnature implies acceptance of LRS Tems and Conditions, which can be viewed online at www.lab-resource.com Samples ratumed via: FedEx_ UPS_Other 2.7°C -22-18 S-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe). enarks: "End Date and Time Indicates When Samples Were Removed from Composite Sampler" Chronic Toxicity E1000.0 (One 1-gallon HDPE, non-preserve Number of Containers End Time 0730 Date Results Needed: LRS Client Information: 2520118 Birmingham, Alabam P.O. # City/State collected; Birmingham, AL 35202 Project Turnaround (Begins on Lab Login Date) 1-22-18 End Date* ABC Coke Mr. David Vance P.O. Box 10246 Report to" Contact: Start Time 0730 RUSH? Please Notify LRS Same Day (200%) Next Day (100%) Three Day (25%) Two Day (50%) 1-22-18 15:30 Comp/Grab Start Date 1-17-18 1-22 8 0730 1-2-8 5947 Pormit #: AL0003417 Name: 001 Chronic Toxicity Comp. n@lab-resource.com A Bourgued , Alabama 35953 101 Discharge nformation: Sample ID Address: , Inc. Address: 15000 Avenue 94-1445 Street N 200

Chain of Custody Page 1 of 1 Laboratory Resources & Solutions, Inc. (LRS) A Laboratory Service Provider Environmental Resource Analysts, Inc. Temp Other Sample Remarks NGE Auburn, AL 36830 2975 Brown Court Laboratory: pH Chockod: Flow 핍 1530 Rainfall in Inches Bottles Received Analysis/Container/Preservative ignature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com Samples returned via: FedEx UPS Other 01-24-18 Temp: 3.0°C S-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe), anaixs: *End Date and Time Indicates When Samples Were Removed from Composite Sampler* Chronic Toxicity E1000.0 (One 1-gallon HDPE, non-preserve Number of Containers 2080 End Time Date Results Needed: -25-25 G730 LRS Client Information: 3540118 "Report to" Contact Birmingham, Alabama P.O.# Received for lab by. (Signature) City/State collected; Birmingham, AL 35202 Project Turnaround (Begins on Lab Login Date) End Date" Mr. David Vance ABC Coke P.O. Box 10246 Comp/Grab Start Date Start Time 1-23-18 0730 RUSH? Please Notify LRS Same Day (200%) Next Day (100%) Three Day (25%) Two Day (50%) Date: 0770 Permit # AL0003417 Name: 001 Chronic Toxicity 124-180 Comp. n@lab-resource.com , Alabama 35953 A Bournage 01 Discharge nformation Sample ID by:(Signature) Il Address: . Inc. Address: Avenue 94-1445 Street N 500

Chain of Custody Page 1 of 1 Laboratory Resources & Solutions, Inc. (LRS) A Laboratory Service Provider Environmental Resource Analysts, Inc. 3570 Тетр Sample Remarks Auburn, AL 36830 2975 Brown Court aboratory: pH Checked Flow 품 Rainfall in Inches Analysis/Container/Preservative ignature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com Samples roturned via: FedEx UPS Other 81-98-18 2.600 S-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe). anarks: "End Date and Time Indicates When Samples Were Removed from Composite Sampler" Temp: Chronic Toxicity E1000.0 (One 1-gallon HDPE, non-preserve Number of Containers End Time 9730 Date Results Needed LRS Client Information: Birmingham, Alabam: P.O. # City/State collected: Birmingham, AL 35202 Project Turnaround (Begins on Lab Login Date) Received for lab by. (Signature) 1-26-18 End Date* ABC Coke Mr. David Vance P.O. Box 10246 Comp/Grab | Start Date | Start Time -25-18/0730 RUSH? Please Notify LRS Same Day (200%) Next Day (100%) Three Day (25%) Two Day (50%) 0730 Permit #. AL0003417 Name: 001 Chronic Toxicity Date: 15-15 81-92-Сошр. n@lab-resource.com Alabama 35953 A BOUTURE 001 Discharge nformation: Sample ID Il Address: , Inc. Address: Avenue 94-1445 Street (signature): N 200

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

24 #	1	1 1 5	"														
		74-123	2	i		Age of T	Age of Test Organisms:		24-48 hrs	544	Ambie	Ambient Laboratory Illumination	ry Illumin	nation			
iter [ter Volume:		250mL			Source: ABS	- 1	Lot#: 8	808								
st Sta	st Start Date:		01.23.18	8	87	Time:	1300			1	Brine Sh	Brine Shrimp Lot#:	: 29	6.	i		
st En	st End Date:	-	01.30.18	8		Time:	1500				Photoper	Photoperiod: 16hrs. L.; 8hrs. D	. L. Shrs.	P			
INC	ONTROL	Nenlid	Number Alive Replicate Number	ve	for DO,	pH, and	temp. rea	for DO, pH, and temp. readings: old water/ new water	l water	new w	ater						
¥							000	Temn		Маше	Date/Time/ DO Meter/	DO Meter/	pH.	MHRW ometer	Lherm		
ay	1	23	60	4	# Alive	Hd	(mg/L)	(00)	Feed	9		Probe		Lot#	a	Obs	
甘	2	9	0	Q	3	7.87		4	Q2h1	AN	1300 45	V(\$175	高53	3496	173237	Z	
	G	Q	Õ	0	60	がら	10.6	75.6	8 2	45	61.24.18 14:801)A			3498	_	Z	
	01	0	0	0	25	1.93	100	25.5	\$ 3 m	75W	1300 ZW			3499	_	2	
	0	0	0	0	202	7.38	00/	24.5 0.58	0	J.A	13:30			3466		>	
	01	2	0	0		1.55	8:301		100	7	21-27-10 1500 AF			3500		7	3
	10	0	0)	0	0%	7.6.7	2007	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	01	BU	1-38-18 13008J			3500		2	BUA 1-36-18
	9	0	2	2	971	7234	15/20	25.3%	800	Y.	1.26-18			3500		>	
	01	01	101	01		40 7.21	6.2	25.2 N/A		N/A	1500 AF	>	->	N/A	7	Z	

VIRONIMENTAL RESOURCE ANALYSTS, INC.

UM = Undissolved Material ERR = Erratic Swimming LETH = Lethargic

= On Surface = On Bottom E = Precipitate

PM = Particulate Matter

CO = Caught On

F=Film

N = Normal FC = Flared Carapace

2975 BROWN CT. AUBURN, AL 36830

(334) 502-3444

N/A = Not Applicable CLDY = Cloudy

L:\Analytical Data\Toxicity\Fathead Minnow Test.xls

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

2		I
u		
	1	1
,,,	17	4
,		
		-
	7 7	36.7

Client: LRS-ABC Coke

% Effluent 0 Number Alive

Sample #s: 1)

3

3

	To do to		-									10000
H	7	6	4	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water	Date/Time/ Initials	Obs.	pH of 100%
								00/1		01.23.18	1	666
10	10	10	10	40	7.51	8.7	25.0	F	NA	1305 AE	Z.	11.1
			4		750	147		100,00	V 3	81.82.10		000
10	10	10	+	80	1.4	1.6	Q.	120	NO	14:05 04	2	1.44
					7.76	7.47	25.6/	1000		81.52.18		
0	0	0	0	40	1.31	10.01	26.0	COHI	7W	1305 ZM	Z	17.7
				0	136	1.8	24.75	60100	V	81.92.10	-	7 53
2	0	0	0	70	1,43	0.01	25.5	1400	50	13:35 JA	2	1
					7897		4	1000		81-1210	į	100
9	0	3	0	9	1.54	8.6	050	1100	是	1505 AF	Z	2
					7.16	6.60/	5:6/	1000	00	1-28-18	-	71 11
0	2	0	9	20	10.0	The state of the s	/XX	1500	200	1305 (30)	2.	1.1.
	0	0	1	C	7.56	10.0		0000	1.1	1-28-19	1 1	753
2	2/	5	3	7	113	8.8	100	148	さら	1305014	>	
1		9				_				81.08.10	1	7.86
27	3	2	2	39	が、	5,3	25.4	N/A	NA	1505 AF	Z	1.01

Observations Key

OS = On Surface mottog no = NC

PRE = Precipitate

UM = Undissolved Material ERR = Erratic Swimming LETH = Lethargic

N = Normal FC = Flared Carapace

PM = Particulate Matter F=Film

CO = Caught On

CLDY = Cloudy

N/A = Not Applicable

AUBURN, AL 36830 2975 BROWN CT.

(334) 502-3444

L:Vanalytical Data\Toxicity\Fathead Minnow Test ENVIRONMENTAL RESOURCE ANALYSTS, INC.

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

Test# 74 -153	-153	Analyst	AF	Balance #:	AND #2	
Date/Time in Oven:	ven: (/30/18		Date/Time Out of Oven: $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$		Oven Temp: 60	Ü
Concentration	Replicate #	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)
Blank	-	7.56354	2.56359	NA	NIA	NIA
	1	2.58812	2,59139	0)	0.327	
	73	2.57215	59525.2	0)	0.350	ı
Control	n	2,57991	2.58343	(0	0.352	0.543
	4	2.59316	2,59659	(0)	0.343	
		2.58061	2.58423	10	0.362	
	2	2.59445	2.59803	0)	0.358	70,0
% Effluent	m	2.58314	2.58619	б	0.305	2
	4	7.57757	2.58136	10	0.379	

Environmental Resource Analysts, Inc.

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Age of Test Organisms: Source: ERA	53 20mL	#: 74-11
O-6 hrs Ambient Laboratory Mumination Photoperiod: 16hrs. L; 8hrs. D Test Start Date: 01.03.18 Time: 1500	Client: ABC Coke Age of Test Organisms: O-6 hrs Ambient Laborate Source: ERA O.13 ml fed ner cm	Client: ABC Co ke Age of Test Organisms: O-6 hrs Ambient Laborate 20mL Source: ERA Photoperiod: 1 1.700 off solids 0.13 ml fed nor cm Test Start Date: 01.03.18 Th
O-6 hrs Ambient Lal Photoperic Test Start Date: 01-23-18	Client: ABC Co Ke Age of Test Organisms: O-6 hrs Ambient Lal Source: ERA O.13 ml. fed ner cun Test Start Date: 01.23.18	3
coke 0-6 hrs Test Start Date:	Age of Test Organisms: O-6 hrs Source: ERA O./3 mL fed per cup Test Start Date:	Client: ABC Coke Source: ERA 1.700 of L solids O.13 mL fed per cup Test Start Date:
	Age of Test Organisms: Source: ERA O./3 mL fed per cup	Client: AB Client: AB Age of Test Organisms: 20mL Source: ERA 1.700 g/L solids 0.13 mL fed per cup

1 = Alive, 0 = Dead, M = Male, / # = # neonates Replicate Number (# Adults/ # Neonates)

5 6 7 8 9 10 Aire pH DO Temp r Time/ Meter/ Meter/ W Lot Thermo Obs meter DO S													Wate	Date/	000	Hď	MARK		Ť.
6 7 8 9 10 Alive pH (mgf.) CC) Reed Chan Initials Probe # meter ID 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								4		00.	Temp		н	Time/	Meter/			Третлю	
1 1 1 10 7.82 8.4 25.4 4F NA 620.4F 4F 250.4F 4F 250.4F 4F 250.4F 4F 250.4F 4F 250.4F 24.08	4 5		9	7	90	6	10	Alive		(mg/L)		Feed	Chan	Initials	Probe	_		meter D	
						-	-		7.82	1	25.4	不	N/A	01-23-18 (500 AT	55		3:496		
		1	-	-	-	-	-	9	V 3	10	25.55	#	-	1500 AF	-	_	3/98		2
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N=Normal	-							*			. 7.7	4	1.		Avera	ge #.nec	nates/f	emale	
	On:Surface LETH = Lethargic	2			N=No	rinal .	16		CO = C2	nught Or		N/A=	-Not A	pplicable		10	7	3	

AUBURN, AL 36830 2975 BROWN CT.

RONMENTAL RESOURCE ANALYSTS, INC.

= Precipitate UM = Undissolved Material On Bottom ERR = Erratic Swimming.

CLDY = Cloudy PM = Particulate Matter

F=Film

N=Normal. FC = Flared Carapace

(334) 502-3444

L:\Analytical Data\Toxicity\Ceriodaphnia Toxicity Test

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

	3)
Client: LRS-ABC Coke	Sample #s: 1)
24-153	% Effluent
st#:	10

-			Nepur	ale Ivai	noer (a	Nephrate in the country of the count	N THINES	ilates)										9
	T	ī									#.		000	Тетр		Water	Date/ Time/	
	1	7	8	4	2	9	7	90	6	10	Alive	Hd	(mg/L)	(C)	Feed	Change	Initials	Ops
	-	-	-	-	-	+	-	+	-	-	19	7.51	7:8	25.0	并	NA	01:23:18 1505 AF	2
		-	_	-	-	-	-	-	-	-	9	133	200	25.60	年	木	01.24.18 1505 AF	Z
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-	-	2/1	1/1	1/3	1/4	74	1/2	1/3	9/1	1/3	0/	131	200	250	*	李	81.72.10 1505 AF	2
	_		-	- `	- `	_	- '	-	_	_	51		5.8	232	东	东	01.28.18 Hello 1985	ABOIZAINA
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	T											1	1	1			AFOISOISA	
200ates 7	77	202	7.1	42	23	17	156	74	77	25					N/A	N/A		

(334) 502-3444	AUBURN, AL 36830	2975 BROWN CT. AUBU		Trecipitate U.M. = Undissolved Material TRONMENTAL RESOURCE ANALYSTS, INC.
1:77	fatter	PM = Particulate Matte		UM = Undissolved Material
100	CLDY = Cloudy	FC = Flared Carapac F = Film	FC = Flared C	ERR = Erratic Swimming
Average # neonates per female	N/A = Not Applicable	CO.= Caught On	N = Normal	LETH = Lethargic

Toxicity Bench Sheet

Client: 1RS-ABC Coke

Sample Collection Lab#/ Date/Time	Sample	pH Analysis Date/ Time	Analyst	pH . Meter/ Probe	pH Result	TRC Analysis Date/ Time	TRC Result (mg/L)
01.22:18	Ħ	01.22.18	#	AB153 #12	7.39	A'N	Z Z
21/22/1	#2	1/24/13	AP		. Sh'L		
1/20/18	#3	1/20/13	AP		7.56		

002 STORM WATER MONITORING

SAMPLE DATE:		1/5/201	8
SAMPLE LOCATION:		002 DISC	HARGE
SAMPLER:		NORMAN	LOEBLER
SAMPLE TIME:		3:40 PM	И
WEATHER CONDITIONS	S:	CLEAR	
CREEK CONDITIONS:		CLEAR	
INITIAL STAFF LEVEL: VOLUME:			
FINAL STAFF LEVEL:	46"	DATE:	1/10/2018
VOLUME:			
TOTAL DISCHARGE VO DAILY AVERAGE FLOW		8,884,14 1.77	

pH:	6.78 SU	
TSS(mg/L):	13.2	
NH3-N(ppd):	7.41	
CN(T)(ppd):	BMDL	
BENZO(a)PYRENE (ppd):	BMDL	
PHENOLS (ppd):	BMDL	
BENZENE (ppd):	BMDL	
NAPTHALENE (ppd):	BMDL	
MANGANESE,T (mg/L):	0.08	
IRON, T (mg/L):	1.2	
O & G (mg/L)	BMDL	

SAMPLE DATE:		1/22/201	8
SAMPLE LOCATION:		002 DISC	CHARGE
SAMPLER:		NORMAN	N LOEBLER
SAMPLE TIME:		3:20 P.M	
WEATHER CONDITION	S:	RAIN	
CREEK CONDITIONS:		CLEAR	
INITIAL STAFF LEVEL:			
VOLUME:	17,3	72,016 GA	LLONS
CINIAL OTACE LEVEL.	56"	DATE:	1/27/2018
FINAL STAFF LEVEL:			114-114-01
VOLUME:			17 307 1 400 00 1 100
	10,9	22,610 GA	LLONS

pH:	7.05 SU	
TSS(mg/L):	3.2	
NH3-N(ppd):	6.35	
CN(T)(ppd):		
BENZO(a)PYRENE (ppd):		
PHENOLS (ppd):		
BENZENE (ppd):		
NAPTHALENE (ppd):		
MANGANESE,T (mg/L):	0.153	
IRON, T (mg/L):	0.581	
O & G (mg/L)	1.8	

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0011**

MONITORING PERIOD:									
	YY MM DD	YY MM DD							
From:	18 02 01	To: 18 02 28							

MAJOR

Jefferson **COUNTY:**

PROGRAM: Industrial *** NO DISCHARGE [] ***

Parameter	Parameter		Quantity or Loading		Quality or Concentration			Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		7.1	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
РН	Sample Measurement	****	****	****	6.9	****	7.3	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	2.3	6.0		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	*****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.6	2.9	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	lbs/day	****	****	****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	5.6	13.9	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	1.32	1.60	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	03/22/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	nits Quality or Concentration			Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	1.0	1.0		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.3	0.3	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily	lbs/day	****	****	****			Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	****	****			Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	0.01	0.01	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.33010	0.38095	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.021	0.024	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	03/22/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0011**

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 18 02 28 18 02 01 From:

MAJOR

Jefferson **COUNTY: PROGRAM:** Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity or Loading		Units	` ,				A 1	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	6151.0		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.9	11.9	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	03/22/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

MAJOR

COUNTY: Jefferson

PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		6.82	****	7.10	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	28.0	42.0	19	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	****		****	35 monthly average	70 maximum daily	mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	6.35	9.18	26	****	****	****	*****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	1.32	1.60	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.16	0.23	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	03/22/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417

MONITORING POINT: 0021

MONITORING PERIOD:									
	YY MM DD	YY MM DD							
From:	18 02 01	To: 18 02 28							

MAJOR

Jefferson **COUNTY:**

PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	ion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	*****	****	*****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	*****		Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.584	1.658	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	*****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	03/22/2018

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

0011

MAILING ADDRESS:P O Box 10246

FACILITY:

LOCATION:

Birmingham, AL35202-0246

MONITORING POINT:

COUNTY:

Jefferson

Abc Coke Div Drummond Co Inc 900 Huntsville Avenue

Monitoring Period: 2018-03-01 To: 2018-03-31

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Quality	or Conc	entration	Units	No. Ex.	Frequency of Analy	sisSample Typ
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.3	*****	*****		0	Weekly	Grab
PARAM CODE: 00300 Stage Code: 1 Final Effluent	Permit Requirement	*****	****		6.0 Minimum Daily	*****	****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.9	*****	7.2		0	Daily	Grab
ARAM CODE: 00400 tage Code: 1	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9,0 Maximum Daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	2.8	4,0	0.1	*****	*****	*****		0	Weekly	Composite
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 Ibs/day	*****	****	*****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B		*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	2.9	5.1		*****	*****	44191		0	Weekly	Composite
PARAM CODE: 00610 Singe Code: 1	Permit Requirement	33.1 Monthly Average	52.4 Maximum Daily	26 lbs/day	****	****	*****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL	Sample Measurement	8.3	15.0		*****	*****	*****		0	Weekly	Composite
(AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Permit Requirement	232 Monthly Average	348 Maximum Daily	26 lbs/day	****	****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	1.07	1.35		*****	****	*****		0	2X Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	18 27 Monthly Average	26.11 Maximum Daily	26 lbs/day	****	*****	****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE NFORMATION 1 BELIEVE THE S SIGNIFICANT PENALTIES FOR SI SEE 18 U.S.C. § 1001 AND 33 U.S.C Penalties under these statutes may in	O ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T SUBMITTING FALSE INFORMATI 5. 81319	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBII	ESPONSIBL LITY OF FIN	E FOR OBTAINING THE WARE THAT THERE ARE E AND IMPRISONMENT	Off	ture of Principal Exec icer Or Anthorized Ag			Telephone No	Date (MM/DD

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 1

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT: COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

Monitoring Period: 2018-03-01 To: 2018-03-31

0011

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qua	lity or Concent	ration Uni	ts No.	Frequency of Analys	is Sample Type
RON, TOTAL (AS FE)	Sample Measurement	1.4	1.4	1	*****	*****	*****	0	Monthly	Composite
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 lbs/day	41111	*****	*****		Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.2	0.2	T = T	*****	*****	*****	0	Monthly	Composite
PARAM CODE: 01055 Stage Code: 1	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Composite
BENZO(A)PYRENE	Sample Measurement	*B	*B		*****	****	*****	0	Weekly	Composite
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	0,0012 Monthly Average	0.0024 Maximum Daily	26 lbs/day	*****	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B		*****	****	*****	0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Sinal Effluent	Permit Requirement	0,15 Monthly Average	0,15 Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Grab
PHENOLS	Sample Measurement	0,003	0.005		*****	*****	*****	0	2X Monthly	Grab
PARAM CODE: 46000 Stage Code: 1	Permit Requirement	0.17 Monthly Average	0,30 Maximum Daily	26 lbs/day	*****	****	*****		2X Monthly	Grab
LOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	0,32477	0,36945		*****	****		0	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	*****	*****		Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.021	0.025	Sec.	*****	*****	*****	0	2X Monthly	Grab
PARAM CODE: 51173 Stage Code: 1 Final Effluent	Permit Requirement	0.145 Monthly Average	0 475 Maximum Daily	26 lbs/day	*****	*****	*****		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent		D ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI Z. §1319	VDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ON, INCLUDING THE POSSIBI	ESPONSIBLE I ETE I AM AW LITY OF FINE	OR OBTAINING T ARE THAT THERI AND IMPRISONME	E ARE Officer	of Principal Executive Or Authorized Agent	F	Telephone No.	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 2

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

0011

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246

Abc Coke Dry Drummond Co Inc 900 Huntsville Avenue

Monitoring Period: 2018-03-01 To: 2018-03-31

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Qua	ality or Concent	ration	Units No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0	9A	*****	****	*****	0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	*****	****		Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	*****	*****	0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	*****	****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	4915.0	26	*****	*****	*****	0	Monthly	Composite
PARAM CODE. 70295 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	lbs/day	****	*****	*****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.8	11.0	26	*****	*****	****	0	Weekly	Composite
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	213 Monthly Average	320 Maximum Daily	lbs/day	*****	*****	*****		Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	UBMITTED HEREIN AND BASE NFORMATION I BELIEVE THE IGNIFICANT PENALTIES FOR S EE 18 U.S.C. § 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ED ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T SUBMITTING FALSE INFORMAT C. §1319. Debute times up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBI	ESPONSIBLE FOR OR ETE I AM AWARE TI LITY OF FINE AND IM	TAINING THE HAT THERE ARE		incipal Executive thorized Agent	Telepho	one No Di	nte (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT: COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

900 Huntsville Avenue

nond Co Inc

Monitoring Period: 2018-03-01To: 2018-03-31

0021

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	or Loading	Units	Qua	ality or Concentr	ation	Units	No. Ex.	Frequency of Analys	isSample Ty
PH	Sample Measurement	****	*****		6.81	*****	7.19	1	0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	17.4	20.0		0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****			35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	11111	*****		*****	*B	*B		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.30	2.58		39991	*****	*****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 Ibs/day		****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	*****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	1,00	1:01		0	2X Monthly	Grab
PARAM CODE; 01045 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	3,0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.12	0.13	1	0	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREDY AND BASEI NFORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE IR U.S.C. § 1001 AND 33 U.S.C. Penalties under these statutes may me	OON MY INQUIRY OF THOSE IS UBMITTED INFORMATION IS T UBMITTING FALSE INFORMAT \$1319	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	ESPONSIBL ETE I AM A LITY OF FIN	E FOR OBTAINING TO WARE THAT THERE E AND IMPRISONMEN	ARE Officer Or	Principal Executive Authorized Agent		Tele	phone No Date	e (MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 4

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

0021

MAILING ADDRESS:P O Box 10246

MONITORING POINT: COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc.

LOCATION: 900 Huntsville Avenue

Monitoring Period: 2018-03-01 To: 2018-03-31

NO DISCHARGE FROM SITE:

()

Parameter		Quantity o	r Loading	Units	Qual	lity or Concent	ration	nits No.	Frequency of Anal	ysisSample Type
BENZENE	Sample Measurement	****	*B		*****	*****	*****	0	Monthly	Grab
ARAM CODE: 34030 stage Code; 1 final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
ARAM CODE: 34247 stage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	*****	*****		Monthly	Grab
IAPHTHALENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
ARAM CODE: 34696 tage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	****	*****	*****		Monthly	Grab
HENOLS	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	****	*****		Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	1.586	1.822		*****	*****	*****	0	Daily	Calculated
ARAM CODE: 50050 tage Code: 1 inal Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	****	*****	*****		Daily	Calculated
Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASEI INFORMATION. I BELIEVE THE SIGNIFICANT PENALTIES FOR SISEE 18 U.S.C. § 1001 AND 33 U.S.C. Penalties may in	D ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI S. 81319	NDIVIDUALS IMMEDIATELY B TRUE, ACCURATE AND COMPI ON, INCLUDING THE POSSIBI	ESPONSIBLE I LETE I AM AW LITY OF FINE	FOR OBTAINING T ARE THAT THERI AND IMPRISONME	THE Officer	e of Principal Execut Or Authorized Ages		Telephone No	Date (MM/DD/Y)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 5



LRS, Inc.

Laboratory Resources & Solutions, Inc. 205 6th Avenue Ashville, AL 35953 (205) 594-1445

www.lab-resource.com

Analytical Data Report

Client:

ABC Coke

PO Box 10246

Birmingham, AL 35202

Attention:

Mr. David Vance

Project Name: 001 Chronic Toxicity - March 2018

Date:

April 10, 2018

Primary Data Review by:

Courtnay Snow

Project Manager

Laboratory Resources & Solutions, Inc. (LRS)

csnow@lab-resource.com

- * Unless otherwise noted, all analyses on this report performed at ERA, 2975 Brown Court, Auburn, AL 36830.
- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT TOXICITY TEST REPORT SUMMARY

1. GENERA					- 2.5	and the			
	MIT NO .: P			N: 001	_ co	UNTY: Jeffe	rson		
Permittee	: ABC Col	ke, Inc.							
Facility	Name: ABC	Coke, I	nc.						
Agent Sub	omitting Re	eport: :	Mr. Jef	f McCord				1001	
Lab Condu	acting Tox	icity Te	st(s): ER	A, 2975	Brown Co	urt, Auburi	1, AL 36	5830	
Months To	Test:	Monthly							
This Repo	ort for To	xicity T	est(s) Re	quired f	or the M	onth of: Ma	arch		
	d Test(s):				Accelera	ted Test(s)	: Yes	No	X
	ted Test N			For Fai	led Sche	duled Test	Date:		
	e Required			creening			. Acute	Definitive:	
	cm Chronic				t-term C	hronic Def:	initive		
002.0		77.0							
Tes	st Organis	m:Ceriod	laphnia du	bia	Test	Organism: P.	imephale	es promelas	
I Sam I Date	e/Time Sta	rt Date/	Time Ende	d Contro	1 Date/T	ime Start	Date/Tir	me Ended Conti	roll
INO I MM	/DD/YY HH:	MMI MM/E	D/YY HH:	MI Valio	I MM/DD	MM:HH YY	MM/DD/	YY HH:MM Vali	id
1 1 103/	06/18 16:0	0 103/13	1/18 15:00	lYes	103/06/	18 16:0010	3/13/18	12:10 Yes	-1
1 1 100/	30710 1010	1007.00	1						
2 A SIM	MARY OF RE	SULTS FO	R SCREEN	NG TESTS	1:				
1 1			3-245-00			mber			1
Test E	ee i	(1)		(2)	1	(3)		(4)	- 1
Org. C	Address of the last of the las		Grow Sun		Grow S	Surv Repr	Grow!	Surv Repr G	rowl
	16% PASS	N/A	PASS N/A			/A N/A			/A
	16% PASS	PASS	N/A N/A			I/A N/A			/A
10.0.1	100 FASS	TAGO	14/11 1 14/1	1 1 11/11					
3 TAROR	ATORY ANAI	VODE OF	INDITEUR!	SAMPLES	3(8)				
		TSS	NH3	pH	Alk	Hard-EFF	TRC	Conductivi	tv I
SAMPLE	BOD5 mg/l	mg/1	mg/1	su	mg/1	mg/1	mg/1	l us	7.4
I Id.	1 mg/1	mg/1	1 0.959	17.78	243	1 20.4 1	NA	2,800	1
1 1	1							The state of the s	
	1								
1 3			1 0.618	17.51	240	1 20.3	MU	2,510	
Total 24 I certify under p that qualified per	enalty of law that the ersonnel properly go y responsible for ga	v: (1) O	nd all attachments ale the information rmation, the information	(2) O. s were prepared in submitted. Ba	under my direct ased on my inqu d is, to the best o	iry of the person or p	accordance w ersons who m I belief, true, a	2,980 2,910 vith a system designed to nanage the system, or thou accurate, and complete. If g violations.	Se
SIGNATUR	E OF RESPO	ONSTRLE	OFFICIAL:				DA	TE:	

4. SAMPLE C Split Sampl	es: N/A X	Yes	(Explain)					_
Samples Col	lected as Sp	ecified	in the NPD	ES Permi	t: Yes X	No (Expl	ain)	
Receiving W	ater: Five M	ile Cre	ek					
Design Flow	: 0.406	(MGD)						
Danie 1	Car	mlo/el	Collected	1	Arrival	Used	in Test(s)	1
Sample Id.	I MM/DD/Y	HHWW -	- MM/DD/YY	HHMM I	Temp.°C.		- MM/DD/YY	1
1		3 0730 -		0730	2.6	1 3/06/18		- 1
2		3 0730 -			3.6	3/08/18	- 3/09/18	- 1
3		3 0730 -			3.8	1 3/10/18	- 3/12/18	1
	1 3/33/12							
5. CONTROL	DILUTION WAS	TER:						
Type	Prepared	1	Begin Use	1	Initial	Water Chem		- 1
-36-	MM/DD/YY	1	MM/DD/YY	Har	d. Alk.		Cond. @ °C.	
MHRW	02/27/18		03/06/18	82	- Andrewson - Control of the Control		313 @ 25	_1
MHRW	03/04/18		03/07/18	1 86	1 58		297 @ 25	_
MHRW	03/04/18	1	03/08/18	84	1 58		286 @ 25	
MHRW	03/08/18		03/10/18	1 90	60		292 @ 25	
MHRW	03/08/18		03/11/18	1 88			310 0 25	
MHRW	03/08/18		03/12/18	88	1 58	1 7.44 1	317 @ 25	
	The Control of the Control	x40.00t						
6. TOXICIT		MATION:	San Salar			1.1.1.	tuntions 19	
Test	Organism		Organism		Test So	Stution Conc	entrations (%	1
Species	Age		Source	0	1 16% 1		1	
P.p.			a Bioassay	suppry	1 16%	+ +		
C.d.	10-8 hrs	ERA			1 106 1			_
200			1 17-		Solution	Org./Test	Replicates	1
Test		Vessel		sel	Vol. (mL)	Vessel	Per Conc.	
Species		ре		(mL)	250	10	1 2	-
P.p.	plastic be		1 500	- 1	20	5	1 4	-
C.d.	plastic be	aker	25		20	3	-	
40.71	, m D.	222 1	D.O. Rang	m 1	pH Range	a I Ligh	t Intensity	1
Test	Temp. Ra		(mg/L)	ge i	(su)		age (ftc.)	-1
Species	(°C.)		5.9 - 8	p 1	7.08 -7.	The second secon	5	1
P.p.	24.1 - 2		7.2 - 8	- of the	6.93 -7.		5	
C.d.	24.3 - 2	0.0	1.4 - 0	· U	4.33			'

7. FEEDING:	Section Con-		46.00.00	(V)		Comments	Bolow)
Not Fed:	Fed Daily:	X Fed	Irregular				
Brine Shrimp:	Fed 0.15 g	Suspension	of Newly	Hatched I	arvae _	2 Times	Daily.
YCT: Fed 0.130	mL Suspens	ion Contair	ning 1.86	g/L 1	'S Dail	у.	
Algae: Fed 0.	30 mL Suspe	nsion Conta	aining 3.0	0×10^{7}	Algal	Cells/mL	Daily
COMMENTS:							

FACILITY	NAME: ABC Coke	NPDES #: A	L0003417 DSN:001 DATE:03	3/06/18
a peres	RENCE TOXICANT TE	STS:		
	: Sodium Chlorid		er Scientific CA	S#: 7647-14-5
	Concentration C		The state of the s)
Chronic:				
Test.		Control Refer	cence Test Solution Concen-	trations
Org.	MM/DD - MM/DD	Water	(Control to Highest Con-	
	1 3/20/18- 3/27/		14.0 6.0 8.0 10	
C.d.	1 3/20/18- 3/27/		1 1.0 1.5 2.0 2.	5
Test	1	1		NUMBER
Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limi	t (N)
P.p.	Survival	1 4.0	2.0 - 4.0	1 20
P.p.	IGrowth	1 4.0	2.0 - 4.0	1 20
C.d.	Survival	1 1.5	0.5 - 1.5	1 20
C.d.	Reproduction	0.5	0.25- 1.0	1 20
9.B. Te	st Solution Mani	None oulations or Test Modif	ications:	
77.0		None		
-	UIRED REPORT ATT	Comment of the Commen	eference Toxicant Tests, A	and Raw Data
(Bench	Sheets) Pertaini	ng To Physical, Chemica	1, And Biological Measurem continued Toxicity Tests D	ents For All
11.C C	HRONIC SCREENING	TOXICITY TESTS RESULTS	(Freshwater):	
Were Ne Did 60%	of the CONTROL E		ours of the same age?: Ye ird Brood? YES: X NO:	<u>s</u>
NO SURV	TOXICITY INDICAT		NT(%): 24h 100 48h 100 E	nd <u>100</u>

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN:001 DATE:03/06/18 REPRODUCTION (Average Neonates/Female) CHRONIC TOXICITY INDICATED: YES NO X CONTROL: 21.0 EFFLUENT(%): 21.7 NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY: X Normally Distributed: Yes ___ No Test Statistic: ____ Critical Value: ____ (Parametric) Equal Variance: ___ Unequal Variance: Critical F: F Statistic: / Test Statistic: _____ / Test Critical Value: Sample Rank Sum: #Reps.: ___ Critical Rank Sum: ____ (Non-Parametric) COMMENTS: TEST ORGANISM: Pimephales promelas MORTALITY CHRONIC TOXICITY INDICATED: YES ____ NO X CONTROL(%) 24h 100 48h 100 7day 95 EFFLUENT(%): 24h 95 48h 95 7day 93 NO MORTALITY STATISTICAL ANALYSIS NECESSARY: Normally Distributed: Yes X No Test Statistic: 0.827 Critical Value: 0.749 (Parametric) Equal Variance: X Unequal Variance: F Statistic: 1.33 Critical F: 47.5 / Test Statistic: 0.655 / Test Critical Value: 1.94 Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric) GROWTH - Mean Dry Weight (mg) CHRONIC TOXICITY INDICATED: YES NO X CONTROL: 0.295 mg EFFLUENT: 0.290 mg NO GROWTH STATISTICAL ANALYSIS NECESSARY: Normally Distributed: Yes X No Test Statistic: 0.885 Critical Value: 0.749 (Parametric) Equal Variance: X Unequal Variance: F Statistic: 13.35 Critical F: 47.5 / Test Statistic: 0.227 / Test Critical Value: 1.943 Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric) COMMENTS:

Information:			LRS Clie	nt Inform	ation:				sis/Contain	ner/Preser	rvative			Chain of Custod
ox 1260 h Avenue e, Alabama 359 594-1445 on@lab-resource	onic Toxic	ity	ABC (contact: Vance City/State colle Birmingham, A	02 38		(One 1-gallon HDPE, non-preserve						& Solution	Page 1 of pry Resources ons, Inc. (LRS) by Service Provider
A Borns	Permit#: ALC	0003417		P.O.#			0.00							
(signature):	RUSH? P		fy LRS 00%) 00%) 00%)	Lab Login Da Date Resu	te) ults Neodod:	Number of Containers	Chronic Toxicity E1000.0						2975 Brown Court Auburn, AL 38830	
Sample ID		-	Start Time		End Time*	1				+			Sar	nple Remarks
001 Discharge	Comp.	3/4/18		3 51 8										
							+		++					
														İ
					1=-7									1 -
emarks: *End Date and by:(Signature)		Time: O730 Time:		ere Remove			site S	ampler*	edEx_UPS	S_Other_	in Inches		pH Flow Condition	Other(lab use only)
ed by:(Signature)	3-6-18 Dato:	Time:	Received for	ish by: (Signatu	re)	-	Dat	3.0	9	Time:	93	_	pH Checked;	NCF:

			I De Clio	nt Inform	ation:		LL PL	An	alysis/(Container	Preserva	tive '			Chain of Custod
Information:		9	LRS Cile	nt iniorii	ation.		erve.					100	1	100	Page 1 of
, Inc.	A	至)	ABC (Coke			non-preserv		Ш			411	Ж		ry Resources
ox 1260	The same		P.O. Box	10246			-10								ns, Inc. (LRS)
n Avenue	1		Birmingha	m, AL 352	02		Ш					1 1		A Laborator	Service Provider
e, Alabama 359	53		1				요						7		
94-1445			"Report to" C	Contact		_	- Lo	111							
n@lab-resource	.com		1000				1-gallon HDPE,								
204.01		14.7	Mr. David	City/State colle	ecled:	_	0			,					EE /A
Name: 001 Chr	onic Toxic			Birmingham. A	Nabama		(One							1 September 1	
A Bourguad	Permit#: ALC	0003417		P.O.#			E1000.0	11							
(signature):	Project	Turnaroun	d (Begins on	Lab Login Da	rte)		18	4 1	Ш			1 1			
2 1	RUSH? P	lease Not	ify LRS	Date Res	ults Needed:	ars	\$ E							Laboratory:	
X Our of		ame Day (2				stalne	Toxicity					7		and the second s	ource Analysts, Inc
0		lext Day (1 Two Day (8				Co	12							2975 Brown Court Aubum, AL 36830	
		hree Day	2.5			o Jed	Chronic					1.1		riadani, ric addes	
Sample ID		T	Start Time	End Date	End Time*	Number of Containers	동			1.0				Sam	ple Remarks
001 Discharge		3/6/18			0730	1	X						-	177294	-01a
		1.0													
				1	1					- 1				1	
					-										
~								10					- 1		
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								JU TU							
															1
		-		N- 900			السيا		_						Trans.
SS-Soil/Solid GW-Grou										_				pH	Temp
emarks: *End Date an	d Time Indicat	tes When	Samples W	ere Remov	ed from Cor	mpos					Rainfall in	Inches		Flow	Other
ed by:(Signature)	Date:	Time: 0730	Received by	Signature)	,		Sample	s returned vi	: FedE	x_UPS_	Other			Condition	(lab use only)
25 Que (Signature)	3/7/8 Date:	Time:		(Signature)		-	Temp:	7		-	Bottles R	leceived:		3.6	000
Wie	3-8-18	0913	WY	TOUR DESCRIPTION	/		Delai				Time:			pH Checked;	NCF:
ed by:(Signature)	Dato:	Time:	Received	lab by: (Signati	(P)		Date:	2/8/1	8		I HIPO.	9:13		Pi i oliosimoi	

Information:			RS Clie	nt Inform	ation:		w 1		Analy	sis/Contai	ner/Pre	servative	2	1		Chain of Custody Page 1 of 1
Inc. ex 1260 Avenue e, Alabama 3595	33		ABC C P.O. Box 1 Birminghal	oke 0246 m, AL 3520			(One 1-gallon HDPE, non-preserve								& Solution	ory Resources ons, Inc. (LRS) ry Service Provider
n@lab-resource.	com	1	Report to C Mr. David				gallc	1		1 1			1			
Name 001 Chr	onic Toxici		WIF. David	City/State colle	clod:		1e 1-									₽ ₹ / Δ
Name: 001 Chro				Birmingham, A	labama					11					1	
A Bourguest		003417					E1000.0	Y Y				1 1			-	
(signature):	Project	Turnaround					E10		1		1		ш		I A TE ELLE	1
Bayel	N	ease Notif ame Day (20 lext Day (10 Two Day (50 hree Day (2	00%) 0%) 0%)	Date Rest	its Needed:	Number of Containers	Chronic Toxicity								Laboratory: Environmental Ro 2975 Brown Court Auburn, AL 36830	
e? N Y V		Start Date		End Date*	End Time*	Mund	Chr	: 1		1 1	4				Sa	mple Remarks
Sample ID 001 Discharge		3/8/18		3/9/18	0730	1	X								ירבדרו	9-01aib
	4															
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						+	-	-	+	-	-	+		+	1	1
						-	+		-	-		-	-	+	-	
		100					_					_		-		
SS-Soil/Solid GW-Groun											Rain	fall in In	ches		pH Flow	TempOther
ed by:(Signature)	3/9/18	Time: 0730	Received by:	The same of the sa						FedEx_UF	S_Othe	_			Condition	(lab use only)
od-by:(Signature)	Date;	Timo:	Received by:	(Signature)			Tem	p: _	38	00	Bo	ttles Reci	elved:		10	
ed by:(Signature)	23-9-18 Date:	IG25	Received for	ab by: (Signati	re)	-	Date	77	00	18	Ti	me:) / a	25	5	pH Checked;	NCF:

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

	Client: ABC coke	Ţ
Test#: 74-156	Age of Test Organisms: 24-48 hrs	Ambient Laboratory Illumination
Water Volume: 250mL	Source: ABS Lot#: 813	, i
Test Start Date: 3-6-18	Time: 1600	Brine Shrimp Lot#: 29
Test End Date: 3-13-18	Time: 12V0	Photoperiod: 16hrs. L; 8hrs. D
CONTROL	for DO, pH, and temp. readings: old water/ new	water

Number Alive

Danlingto Number

		Kep	icate Nu	imber											1750	
Test Day	1	2	3	4	# Alive	pН	DO (mg/L)	Temp (° C)	Feed	Water Chang e	Date/Time/ Initials	DO Meter/ Probe	pH Meter/ Probe	MHRW Lot#	Therm ometer ID	Obs
Start	10	10	10	10	40	752	8.7	24.4	1830	N/A	MOD ACICE	YSI 2/2	A8153 /12	3513	773237 	7
1	10	10	10	10	40	7.08/	6.8	25.5	400	JA	03.08.18 14.3 g	Y E		3514		N
2	9	[0]	10	W	39	7.27	7.0	25.1	1930	JA	17:00JA			3515		N
3	9	0	(0	[0]	39	7.20	5.1	25.8	11:00		13:0074			35 15		N
4	9	ω	(U	[0]	-39	7.37	6548	25.3	1100	BU	1300 BU			3516	H/P	N
5	9	[0	[0	10	39	7.49	5.7 8.6	25.3	1430	BU	1730 BU			3517		N
6	9	· W	10	9	38	7.18	6.4	35.6	1230	BU	3-12-18 1500 BU		*	3518		N
7	9	(U	10	9	38	7.54	7.3	25.1	N/A	N/A	3-13-19 1100 BU			N/A	1	7

Observations Key

OS = On Surface

LETH = Lethargic

N=Normal

CO = Caught On

N/A = Not Applicable

ON = On Bottom

ERR = Erratic Swimming

FC = Flared Carapace

F = Film

CLDY = Cloudy

PRE = Precipitate

UM = Undissolved Material

PM = Particulate Matter

(334) 502-3444

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

L:\Analytical Data\Toxicity\Fathead Minnow Test

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

Client: ABC Coke-Monthly

[6 % Effluent Sample #s: 1) [77255 2) 177294 3) 17727

Number Alive

		Repli	cate Nur	nber							,		
Test Day	1.	2	3	4	# Alive	pН	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/Time/ Initials	Obs.	pH of 100% effluent
Start	10	10	10	10	40	7:37	8.2	25.4	1830	N/A	23:06.18	7	7.78
	10	10	lO	10	40	7.19	7.1	25.3/	16:50	JA	03:07.18 AF	3307158A	7.53
->	10	10	9	10	3.9	7.31	63,5	25.6	19:30	AL	03-08-18 JA 18:25 JA	N	8.00
	(0	[0	9	w	39	7,26	6.8	26,0	17:00	JA	03-09-18 +3105JA	N	7.60
	9	00	9	9	37	7.39		25.3	1100	BU	3-10-18 1305 BU	7	7.74
	9	(0	9	9	37	7.54	5.9	24.4	1430	BU	3-11-19 1735 BU	N	7.52
	9	(0	9	9	37	7.27	6.6	25.6	1030	BO	3-12-18 1505 BU	N	7.61
	9	(0)	9	9	37	7.63	6.7	25.1	N/A	N/A	3-13-19 1105 BU	N	7.43

Observations Key

)S = On Surface

LETH = Lethargic

N = Normal

CO = Caught On

N/A = Not Applicable CLDY = Cloudy

ON = On Bottom
PRE = Precipitate

ERR = Erratic Swimming UM = Undissolved Material FC = Flared Carapace

F = Film

PM = Particulate Matter

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

L:\Analytical Data\Toxicity\Old bench sheets\Fathead Minnow Test.xls

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

Test #: 74 - 156 Analyst: BU Balance #: AND #2

Date/Time in Oven: 3 - 13 - 18 / 1400 Date/Time Out of Oven: 3 - 14 - 18 14 - 1400 Oven Temp: 60 C

Concentration	Replicate #	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)
Blank	1	1.00034	1-000 29	N/A	N/A	N/A
	1	0-03763	0.99061	9	0.298	
	2	1.04025	1-04334	10	0.309	0.295
Control	3	1.01616	1-01909	10	0.293	0.2
	4	1.00823	1.01104	9	0.281	
	1	0.99438	0.99789	9	0.351	
16_	2	1.02436	1.0 2715	70	0.279	
% Effluent	3	0-99509	0.99788	9	0.279	0-290
	4	1.00314	1-00 566	9	0.252	

Environmental Resource Analysts, Inc.

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

:				-		Ag	e of Te	est Org	ganisn	15:	0-	o hr	5 A	mbie	nt Lab	oratory III	uminat	ion			
· Vol	ume:_		20mL			So	шгсе:	ERA					1	Photo	perio	d: 16hrs.	L; 8hr	s. D			
Lot #	1: 2	71	1.800	g/L s	olids	Q.	(3 m)	L fed p	er cu	p T	est Sta	rt Date	03	.06	18	Time:	160	00			
Lot	OL	= Aliv	3×10°	ead, M	for I	O, pB	L, and	-			Test En ld wate			· 13	18	Time:	15	00_	-		
		керис	ate Nur	noer (Aduic	s/ # INEO	nates)		28 1						Wate	Date/	DO	pН	MHR		
1	2	3	4	5	6	7	8	9	10	# Alive	pН	DO (mg/L)	Temp	Fee	r Chan	Time/ Initials	Meter/ Probe	Meter/ Probe	W Lot#	meter	Obs
1	1	1	1	1	1	1	1	i	1	10	7.52	8.7	24.5		ANNO-	03.0018 1600 AF		MILES		173257 #1	N
1	11	. 1	1	1	1	1	1	(1	ίO	7.33	8.1	253	AF	AF	032718 1700 AF	1		3514		N
1	1	1	1	1	1	1	1	1	1	10	7.48	83/	25.4	CF AF	CF	03.08.08p			3515		N
1	1	1	1,	J.	i	(1,	1.	· (D	736	8.2/	25.4	AF	AF	03.09.18 1500AF			3515		N
1/2	1/5	1/2	100	113	1/3	1/3	1/4	1/2	1/3	10	7.39	8.2	25.3	AF	AF	1530 AF	en F		3516		N
((,	([1,	1	1	t	1,	1	[.0.	7.47	7.9	25.5	AF	AF	1730 AF		1	3517		N
16	1/11	1/6	16	1/5	1/4	1/3	1/2	166	1/7	(0)	2013	7.785	25:1	AZ	AE	03.12.18 1400 Æ			3518		N
13	1/4	1/10	1/01	1/14	1/12	1/14	1/13	1/15	1/12	[0	7.31 N/A	NIA	249	N	= N/A 31318	03.13.18 1500 AC		1	NA		N
											/	/	/	nru	01010	Т			22		
21	27	18	19	22	19	20	19	23	22					N/A	N/A						
rvati	ons K	ey			•												Averag	ge#neo	nates/f	emale	
On Bo	ottom ipitate	ERR = UM =	= Letha Erratio Undisso	Swims				Plared C	arapac WN CT	e	F = Film PM = P	n articulat	te Matter	CLD	= Not A Y = CI 34) 502	1	,	21,0	> .		

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Cest #:	74 -156	Client: LRS ABC Cove - Monthly	
14	% Effluent	Sample #s: 1) 177 255 2) 1772 94	3) 1772 79

I = Alive, 0 = Dead, M = Male, / # = # neonates Replicate Number (# Adults/# Neonates)

Test Day	1	2	3	4	5	6	7	8	9	10	# Alive	рH	DO (mg/L)	Temp	Feed	Water Change	Date/ Time/ Initials	Obs
Start	1	1	1	1	1	1	1	1	1	1	10	7.37	8.2	25,4	AF	NA	03.04.18 11005 AF	7
	t	1	τ	(1	t	1	t	1	1	(0	7.32	7.8	2510	AF	AF	03.07.18 1705 AF	2
	1	1	1	1	1	1	1	1	1	1	10	7.53	18.5	25.4/ 24.9	CF AF	CF AF	03.08.18	2
	1	1	J	1	1	1	1,	1	Į,	,	10	7.30	8.1	25.4	AK	AF	03.09.18 1505 AF	N
	1/3	113	1/2	1/4	1/3	1/2	1/3	1/4	1/2	1/3	10	7.3	8.0	25.1	AF	AF	03.10.18 1535 AF	7
	1	Ĭ	1	1/5	1		1/6	1		1	10	7.41	7.7/	25.6/	AF	AF	03-11-18 1735 AF	N
	1/8	1/8	1/6	1	15	19	1	1/8	10	19	10	133	135	oc.V	15031218A AE	Æ	03.12.18 1405 AE	2
	1/4	1/11	1/10	1/12	1/9	411	1/14	1/8	1/12	1/15	10	7.00 A	83/	25.1	2114	NIA	1505 AF	N
												/	/	/				
Veonates	22	22	18	21	17	22	23	20	25	27					N/A	N/A		

)S = On Surface)N = On Bottom LETH = Lethargic

N = Normal

CO = Caught On

N/A = Not Applicable CLDY = Cloudy Average # neonates per female

'RE = Precipitate

ERR = Erratic Swimming UM = Undissolved Material

FC = Flared Carapac F = Film

PM = Particulate Matter

1

INVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

	TILLIA			rval Fish Growth and Surv		ırvival	_
Start Date: End Date: Sample Date: Comments:	3/6/2018		Lab ID:	74-156fh ERA EPAF 94-EPA/600/4-91/00	Sample ID: Sample Type: 2 Test Species:	EFF EFF2-Industrial PP-Pimephales promelas	
Conc-%	1	2	3	4			_
Control	0.9000	1.0000	1.0000	0.9000			
eff	0.9000	1.0000	0.9000	0.9000			

			Tra	ansform:	Arcsin Sc	uare Roof			1-Tailed	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
Control	0.9500	1.0000	1.3305	1.2490	1.4120	7.072	4			
eff	0.9250	0.9737	1.2898	1.2490	1.4120	6.318	4	0.655	1.943	0.1209

Auxiliary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.82784		0.749		0.57143	-1.7286
F-Test indicates equal variances (p = 0.82)	1.33333		47.4672	-	1 2 17	1000
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	0.06826	0.07236	0.00332	0.00775	0.53696	1,6
Treatments vs Control		10.00				

			La	rval Fish Growth and Survi	val Test-7 Day G	
Start Date: End Date: Sample Date: Comments:	3/6/2018		Lab ID:	74-156fh ERA EPAF 94-EPA/600/4-91/002	Sample ID: Sample Type: Test Species:	EFF EFF2-Industrial PP-Pimephales promelas
Conc-%	1	2	3	4		
Control	0.2980	0.3090	0.2930	0.2810		
eff	0.3510	0.2790	0.2790	0.2520		

				Transform	n: Untrans	sformed	3 10 3 77	1-Tailed			
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	
Control	0.2953	1.0000	0.2953	0.2810	0.3090	3.934	4				
eff	0,2903	0.9831	0.2903	0.2520	0.3510	14.626	4	0.227	1.943	0.0428	

Auxiliary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.88508		0.749		1,31468	2.99418
F-Test indicates equal variances (p = 0.06)	13.3582		47.4672			
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences Treatments vs Control	0.04276	0.14484	5E-05	0.00097	0.82781	1, 6

Toxicity Bench Sheet

Client: LRS-ABC Coke-

Lab#/ Date/Time	Sample	Date/ Time	Analyst	pH Meter/ Probe	pH Result	TRC Analysis Date/ Time	TRC Result (mg/L)
03-05-18 0730 77255	#1	03.06.18	AF	AB153 1#12	7.78	N (A	NA
03.07.18	#2	03.08.18 1500 0913 Arozoeisa	AF		8:00		
03.09.18	#3	1635	AF		7.51		

002 STORM WATER MONITORING

SAMPLE DATE:		3/7/201	8
SAMPLE LOCATION:		002 DISC	HARGE
SAMPLER:		NORMAN	N LOEBLER
SAMPLE TIME:		9:45 AM	M
WEATHER CONDITION	NS:	CLEAR	
CREEK CONDITIONS:		CLEAR	
INIT STAFF LEVEL:			
VOLUME:			
FINAL STAFF LEVEL:			3/12/2018
VOLUME:			
TOTAL DISCHARGE V			
DAILY AVERAGE FLOY	N:	1.82	22 MGD

pH:	7.19 SU
TSS(mg/L):	20
NH3-N(ppd):	2.58
CN(T)(ppd):	BMDL
BENZO(a)PYRENE (ppd):	BMDL
PHENOLS (ppd):	BMDL
BENZENE (ppd):	BMDL
NAPTHALENE (ppd):	BMDL
MANGANESE,T (mg/L):	0.128
IRON, T (mg/L):	1.01
O & G (mg/L)	BMDL

SAMPLE DATE:	3/20/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLE
SAMPLE TIME:	10:20 AM
WEATHER CONDITIONS:	CLOUDY
CREEK CONDITIONS:	CLEAR
INIT STAFF LEVEL: 75"	DATE: 3/20/201
VOLUME: 15,2 FINAL STAFF LEVEL: 46"	DATE: 3/25/201
VOLUME: 8,4 TOTAL DISCHARGE VOLUME: DAILY AVERAGE FLOW:	

pH:	6.81 SU
TSS(mg/L):	14.8
NH3-N(ppd):	BMDL
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	0.11
IRON, T (mg/L):	0.98
O & G (mg/L)	BMDL

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 01 01 | To: | 18 03 31 |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	0.38		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Quarterly	Composite
	Sample Measurement		•								
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	02/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 03 01 | To: | 18 03 31 |

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.3	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
PH	Sample Measurement	****	****	****	6.9	****	7.2	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		6.0 minimum daily	****	9.0 maximum daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	2.8	4.0		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	*****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	2.9	5.1	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	8.3	15.0	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	1.07	1.35	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	04/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 03 01 | To: | 18 03 31 | |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Quality or Concentration			Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	1.4	1.4		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.2	0.2	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily	lbs/day	****	****	****	*****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	****	****	****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	0.003	0.005	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	*****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.32477	0.36945	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	renort monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.021	0.025	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	04/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0011**

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 18 03 31 From: 18 03 01

MAJOR

Jefferson **COUNTY:** PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No. Frequency of	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	ale ale ale ale	****	****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	4915.0		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.8	11.0	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	04/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | From: | 18 01 01 | To: | 18 03 31 |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	ion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	0.38		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	lbs/day	****	****	****			Quarterly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	02/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		6.81	****	7.19	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	17.4	20.0	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.30	2.58	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****	****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	1.00	1.01	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.12	0.13	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		*****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	04/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | To: 18 03 31 | | To: 18 03 31 | |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	ality or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	*****	****	*****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.586	1.822	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	04/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.60	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
РН	Sample Measurement	****	****	****	6.70	****	7.50	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	5.25	9.84		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	*****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	4.76	12.31	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	lbs/day	****	****	****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	10.01	25.59	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.926	0.943	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	05/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	0.91	0.91		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.26	0.26	. 26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly	10 maximum daily	lbs/day	****	****	****	****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	****	****	****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B	. 26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****	****		2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.33111	0.39356	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.051	0.076	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	05/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 04 01 | To: | 18 04 30 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	A 1	Sample Type	
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	5335		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	9.43	10.52	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	05/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity or Loading Units Quality or Concentration			ity or Concentration			Frequency of	Sample Type		
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		6.85	****	7.31	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	21.50	38.10	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	3.16	3.82	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.94	1.47	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.10	0.11	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	05/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 04 01 | To: | 18 04 30 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	*****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	lbs/day	****	*****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	*****	****			Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.654	2.038	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	*****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	05/24/2018

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

Birmingham, AL35202-0246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: Abe Coke Div Drummond Co Inc LOCATION:

900 Huntsville Avenue Tarrant Al 35217

Monitoring Period: 2018-04-01To: 2018-04-30

0011

NO DISCHARGE FROM SITE:

Parameter		Quantity of	or Loading	Units	Quality	or Conc	entration	Units	No.	Frequency of Analy	ysisSample Type
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.60	****	*****		0	Weekly	Grab
ARAM CODE: 00300 tage Code: 1	Permit Requirement	*****	*****	11	6.0 Minimum Daily	*****	****	19 mg/l		Weekly	Grab
Н	Sample Measurement	*****	*****	1	6.70	****	7.50		0	Daily	Grab
ARAM CODE: 00400 stage Code: 1 sinal Effluent	Permit Requirement	*****	*****		6,0 Minimum Daily	*****	9.0 Maximum Daily	12 S.U		Daily	Grab
OLIDS, TOTAL SUSPENDED	Sample Measurement	5,25	9.84		****	****	*****		0	Weekly	Composite
ARAM CODE: 00530 stage Code: 1	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 Ibs/day	*****	*****	****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B		*****	****	*****		0	2X Monthly	Grab
ARAM CODE: 00556 tage Code: 1 inal Effluent	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
STROGEN, AMMONIA TOTAL AS N)	Sample Measurement	4.76	12,31	H	****	****	****		0	Weekly	Composite
ARAM CODE: 00610 tage Code: 1 inal Effluent	Permit Requirement	33.1 Monthly Average	52.4 Maximum Daily	26 Ibs/day		*****	*****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	10.01	25.59		*****	****	*****		0	Weekly	Composite
PARAM CODE: 00625 Stage Code: 1	Permit Requirement	232 Monthly Average	348 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
YANIDE, TOTAL (AS CN)	Sample Measurement	0.926	0.943	100	*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00720 tage Code: 1 inal Effluent	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	26 lbs/day	*****	****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE NFORMATION BELIEVE THE S SIGNIFICANT PENALTIES FOR S SEE 18 U.S.C. § 1001 AND 33 U.S.C Penalties under these statutes may in	D ON MY INQUIRY OF THOSE II SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMAT 5 61319	NDIVIDUALS IMMEDIATELY R FRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBI	ESPONSIBLE ETE 1 AM A LITY OF FINE	FOR OBTAINING THE WARE THAT THERE ARE AND IMPRISONMENT	Off	ature of Principal Exec icer Or Authorized Ag			Telephone No.	Date (MM/DD/Y)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 1

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246

Abc Coke Div Drummond Co Inc.

900 Huntsville Avenue Tarrant AI 35217

Monitoring Period: 2018-04-01 To: 2018-04-30

0011

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Qua	lity or Concent	ration U	nits No	Frequency of Anal	ysisSample Type
RON, TOTAL (AS FE)	Sample Measurement	10,0	0.91		*****	*****	****	.0	Monthly	Composite
PARAM CODE: 01045 Stage Code: 1	Permit Requirement	7.5 Monthly Average	15,0 Maximum Daily	26 Ibs/day	*****	*****	*****		Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.26	0.26		*****	*****	*****	0	Monthly	Composite
PARAM CODE: 01055 Stage Code: 1	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Composite
BENZO(A)PYRENE	Sample Measurement	*B	*B	100	*****	*****	*****	0	Weekly	Composite
PARAM CODE: 34247 Stage Code: 1	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily	26 lbs/day	*****	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 lbs/day	*****	****	*****		Monthly	Grab
PHENOLS	Sample Measurement	*B	*B		*****	****	*****	.0.	2X Monthly	Grab
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	26 lbs/day	*****	****	****		2X Monthly	Grah
FLOW, IN CONDUIT OR THRU FREATMENT PLANT	Sample Measurement	0.33111	0.39356		*****	*****	*****	0.	Daily	Calculated
PARAM CODE: 50050 Stage Code: I	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD		*****	*****		Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.051	0.076	7 - 1	****	*****	*****	0	2X Monthly	Grab
PARAM CODE: 51173 Stage Code: 1	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 Ibs/day	*****	****	*****		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	SUBMITTED HEREIN AND BASE NFORMATION I BELIEVE THE S SIGNIFICANT PENALTIES FOR S SEE 18 U.S.C. § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONALI D ON MY INQUIRY OF THOSE D SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI C, §1319 Ichade Gines up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	ESPONSIBLE F LETE I AM AW LITY OF FINE A	OR OBTAINING T ARE THAT THER AND IMPRISONMI	HE Officer	e of Principal Execut Or Authorized Agen		Telephone No	Date (MM/DD/Y

Page 2

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

0011

MAILING ADDRESS: PO Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION: 900 Huntsville Avenue

Abc Coke Div Drummond Co Inc

Monitoring Period: 2018-04-01To: 2018-04-30

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Quality or Concentration			Units No.	Frequency o Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0	9A	****	*****	*****	0-	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	*****	*****	****		Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A	*****	*****	*****	0 =	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	*****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	-++++	5335	26	*****	*****	*****	0	Monthly	Composito
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	lbs/day	****	*****	****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	9.43	10.52	26	****	*****	*****	0	Weekly	Composite
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	213 Monthly Average	320 Maximum Daily	lbs/day	****	*****	*****		Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	UBMITTED HEREIN AND DASE NFORMATION, I BELIEVE THE IGNIFICANT PENALTIES FOR S EE IS U.S.C. § 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL DON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T SUBMITTING FALSE INFORMAT C § 1319 Include fines up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBIL	ESPONSIBLE FOR OB ETE I AM AWARE TO LITY OF FINE AND IN	STAINING THE HAT THERE ARE		incipal Executive athorized Agent	Teloph	one No I	Date (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION:

Abc Coke Div Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2018-04-01To: 2018-04-30

0021

NO DISCHARGE FROM SITE:

Parameter		Quantity of	r Loading	Units	Qu	ality or Concentr	ation	Units	No. Ex.	Frequency of Ar	alysisSample Ty
PH	Sample Measurement	*****	*****		6.85	*****	7.31		0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	****		6.0 Minimum Daily	****	8,5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	21.50	38.10		0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement		*****		*****	10.0 Monthly Average	15,0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	3.16	3.82		*****	*****	*****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	****		0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 Ibs/day	*****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	niii.	****		*****	0.94	1.47		0	2X Monthly	Grab
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.10	0.11		0	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	UBMITTED HEREIN AND BASE NFORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR S EE 18 U.S.C. § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONAL: D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI (2 § 1319) clude fines up to \$10,000 and or ma	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBIL	ESPONSIBLE ETE I AM A ITY OF FINE	E FOR OBTAINING TO WARE THAT THERE E AND IMPRISONMEN	ARE Officer Or	Principal Executive Authorized Agent	T	Tele	ephone No	Date (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

POINT:

Monitoring Period: 2018-04-01 To: 2018-04-30

0021

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Quality or Concentration Unit			iits No. Ex.	Frequency of Ana	lysisSample Type
BENZENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 Ibs/day	****	*****	*****		Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B		****	*****	*****	0	Monthly	Grab
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	****	****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1	Permit Requirement		REPORT Maximum Daily	26 Ibs/day	*****	.****	*****		Monthly	Grab
PHENOLS	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	1.654	2.038		*****	*****	*****	0	Daily	Calculated
ARAM CODE 50050 tage Code: I	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	MGD	****	****	*****		Daily	Calculated
Onker Of Annorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASEI INFORMATION 1 BELIEVE THE SIGNIFICANT PENALTIES FOR SISSEE 18 U.S.C. § 1001 AND 33 U.S.C. (Penalties under these stanutes may in	D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI \$ \$1319	VDIVIDUALS IMMEDIATELY B RUE, ACCURATE AND COMPI ON, INCLUDING THE POSSIBI	ESPONSIBLE F LETE I AM AW LITY OF FINE	OR OBTAINING T ARE THAT THER AND IMPRISONME	THE Officer	of Principal Executi Or Authorized Agent		Telephone No.	Date (MM/DD/Y)

DSN001 (AL0003417)	MAJOR	Apr	2018	DMR Results	
--------------------	-------	-----	------	-------------	--

FREQ	WKLY	DAILY	WKLY	2XMNTHLY	WKLY	WKLY	2XMNTHLY	MONTHLY	MONTHLY	WKLY	MONTHLY	2XMNTHLY	DAILY	2XMNTLY	MONTHLY	MONTHLY	WKLY	Qtrly	Qtrly
UNITS	mg/1	5.U.	ppd	ppd	ppd	ppd	ppd	ppd	ppd	ppd	ppd	ppd	MGD	ppd	pass/fall	ppd	ppd	ppd	ppd
	DO	pH	TSS	0&G	NH3-N	TKN	CN,T	Fe,T	Mn,T	B(A)P	NAPH	Phenols	FLOW	CN,a	TOX	TDS	CBOD5	N3 & N2	P,T
MIN	6.60	6.70																	
AVG			5.25	BMDL	4.76	10.01	0.926	0.91	0.26	BMDL	BMDL	BMDL	0.33111	0.051	PASS		9.43	1	
MAX		7.50	9.84	BMDL	12,31	25,59	0.943	0.91	0.26	BMDL	BMDL	BMDL	0,39356	0.076		5335	10.52	1.61	BMDL

								00	1 Limits Dec	ember - April									
MIN	6.0	6,0	11-																
AVG	11	-	342	25.0	33.1	232	18.27	7.5	5	0.0012	0.15	0.17	MONITOR	0.145	PASS		213		
MAX		9.0	513	37.5	52.4	348	26.11	15	10	0.0024	0.15	0.30	MONITOR	0.475		Monitor	320	Monitor	Monito
								00	1 Limits Ma	y - November									
MIN	6.0	6.0				100		-		7									
AVG			342	25.0	33.0	66	18.27	7.5	5	0.0012	0.15	0.17	MONITOR	0.145	PASS		56		
MAX		9.0	513	37.5	49.5	99	26.11	15	10	0.0024	0.15	0.30	MONITOR	0.475		Monitor	84	Monitor	Monito

DSN002 (AL0003417) MAJOR Apr 2018 DMR Results

FREQ	1/Week	1/Week	2/MONTH	1/Week	1/Month	2/Month	2/Month	1/Month	1/Month	1/Month	1/Month	DAILY
UNITS	s.u.	mg/L	mg/l	ppd	ppd	mg/l	mg/l	ppd	ppd	ppd	ppd	MGD
	pH	TSS	0&G	NH3-N	Cn,t	Fe,T	Mn,T	BENZENE	B(a)P	NAPH	Phenol	FLOW
MIN	6.85		1. 1									
AVG		21.50	BMDL	3.16		0.94	0.10					1.654
MAX	7.31	38.10	BMDL	3.82	BMDL	1.47	0.11	BMDL	BMDL	BMDL	BMDL	2.038

					0	02 Limits						
MIN	6											
AVG		35	10	Monitor		3	2					Monitor
MAX	8.5	70	15	Monitor	Monitor	6	4	Monitor	Monitor	Monitor	Monitor	Monitor

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 05 01 | To: | 18 05 31 | |

MAJOR

COUNTY: Jefferson

PROGRAM: Industrial
*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.25	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
PH	Sample Measurement	****	****	****	6.54	****	7.54	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	4.24	9.34		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	*****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.52	1.81	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	4.95	6.02	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.790	0.931	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	06/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 05 01 | To: | 18 05 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	0.37	0.37		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.32	0.32	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily	lbs/day	****	****	****	*****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	16 16 16 16	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.29420	0.33845	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****	ale ale de ale ale		Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.027	0.029	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	06/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	4800		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.10	10.73	26	****	****	****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	06/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0021**

MONITORING PERIOD:

YY | MM | DD YY | MM | DD To: 18 05 31 18 05 01 From:

MAJOR

Jefferson **COUNTY:** PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		7.10	****	7.27	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	12.35	16.00	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	12.39	18.99	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.53	0.75	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	2.37	2.60	19	1	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	06/27/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 05 01 | To: | 18 05 31 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	*****	0	Monthly	Grab
Parameter Code: 340'30 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	. 26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	****		Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.670	1.777	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	06/27/2018

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc.

Abc Coke Div Drummond Co Inc.
900 Huntsville Avenue Monitoring
Tarrant Al. 35217

Monitoring Period: 2018-05-01 To: 2018-05-31

0011

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Quality	or Conc	centration	Units	No. Ex.	Frequency of Analys	is Sample Type
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	****		6.25	*****	*****		0	Weekly	Grab
ARAM CODE: 00300 tage Code; 1 inal Effluent	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****	19 mg/l		Weekly	Grab
H	Sample Measurement	*****	****		6.54	*****	7.54	51	0	Daily	Grab
ARAM CODE; 00400 tage Code: 1 inal Effluent	Permit Requirement	1444	*****		6.0 Minimum Daily	****	9.0 Maximum Daily	12 S.U.		Daily	Grab
OLIDS, TOTAL SUSPENDED	Sample Measurement	4.24	9,34		*****	****	*****		0	Weekly	Composite
ARAM CODE: 00530 tage Code: 1	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 Ibs/day	*****	*****	*****			Weekly	Composite
IL & GREASE	Sample Measurement	*B	*B	100		****	*****		0	2X Monthly	Grab
ARAM CODE: 00556 tage Code: 1 inal Effluent	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 Ibs/day	*****	****	*****	1		2X Monthly	Grab
ITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	1.52	1.81		*****	*****	*****		0	Weekly	Composite
ARAM CODE: 00610 tage Code; I	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily	26 lbs/day	******	*****	*****			Weekly	Composite
ITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	4.95	6.02	15	*****	*****	*****		0	Weekly	Composite
ARAM CODE: 00625 tage Code: 1 inal Effluent	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 lbs/day	*****	****	*****			Weekly	Composite
YANIDE, TOTAL (AS CN)	Sample Measurement	0.790	0.931		*****	****	****		0	2X Monthly	Grab
ARAM CODE: 00720 lage Code: 1 inal Effluent	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREIN AND BASE NFORMATION 1 BELIEVE THE S NGMIFICANT PENALTIES FOR SI SEE 18 U.S.C. § 1001 AND 33 U.S.C Penalties under these statistics may in	O ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBIL	ESPONSIBLE ETE. I AM A' LITY OF FINE	FOR OBTAINING THE WARE THAT THERE ARE AND IMPRISONMENT	Off	dure of Principal Exec icer Or Authorized Ag			Telephone No	Date (MM/DD/Y

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

0011

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

mond Co inc nue Monitoring Period : 2018-05-01To: 2018-05-31

NO DISCHARGE FROM SITE:

().

Parameter		Quantity of	or Loading	Units	Qua	lity or Concent	ration Un	its No.	Frequency of Analys	is Sample Type
RON, TOTAL (AS FE)	Sample Measurement	0.37	0.37		*****	****	*****	0	Monthly	Composite
ARAM CODE: 01045 tage Code: 1 inal Effluent	Permit Requirement	7,5 Monthly Average	15,0 Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.32	0.32		*****	*****	*****	0	Monthly	Composite
ARAM CODE: 01055 tage Code: 1	Permit Requirement	5,0 Monthly Average	10 Maximum Daily	26 lbs/day		*****	*****		Monthly	Composite
ENZO(A)PYRENE	Sample Measurement	*B	*B		*****	****	*****	0	Weekly	Composite
ARAM CODE: 34247 stage Code: 1	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily	26 lbs/day	*****	*****	*****		Weekly	Composite
IAPHTHALENE	Sample Measurement	*B	*B		*****	*****	*****	Ω	Monthly	Grab
ARAM CODE: 34696 tage Code: 1 inal Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 lbs/day	*****	****	*****		Monthly	Grab
HENOLS	Sample Measurement	*B	*B		*****	*****	*****	0	2X Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	26 Ibs/day	*****	****	*****		2X Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	0,29420	0,33845		*****	****	*****	0	Daily	Calculated
ARAM CODE: 50050 tage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	****	****		Daily	Calculated
YANIDE, FREE AVAILABLE	Sample Measurement	0.027	0.029		*****	*****	*****	0	2X Monthly	Grab
ARAM CODE: 51173 tage Code: 1 inal Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 Ibs/day	****	*****	****		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREIN AND BASE! NFORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR SI IEEE IN U.S.C. § 1001 AND 33 U.S.C Penalties under these stignings may in Penalties under the Penalties br>Penalties under the Penalties Pen	D ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI \$1319	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	RESPONSIBLE I LETE, I AM AW LITY OF FINE	FOR OBTAINING T ARE THAT THER! AND IMPRISONME	HE Officer	of Principal Executive Or Authorized Agent		Telephone No	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 2

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

Birmingham, AL35202-0246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Abc Coke Dry Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2018-05-01To: 2018-05-31

0011

NO DISCHARGE FROM SITE:

()

Parameter		Quantity o	r Loading	Units	Qua	ality or Concent	tration	Units	No. Ex.	Frequency Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	9A	****	*****	*****		0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	*****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A	*****	*****	*****		0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	****	0 Maximum Daily	pass(0)/fail (1)	*****	****	****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	4800	26	*****	*****	*****		.0.	Monthly	Composite
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	A1441	REPORT Maximum Daily	lbs/day	****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.10	10.73	26	****	*****	*****		0	Weekly	Composite
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	56 Monthly Average	84 Maximum Daily	lbs/day	*****	*****	*****			Weekly	Composito
Officer Or Authorized Agent	UBMITTED HEREIN AND BASE NFORMATION I BELIEVE THE IGNIFICANT PENALTIES FOR S EE 18 U.S.C. \$ 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ED ON MY INQUIRY OF THOSE I SUBMITTED INFORMATION IS: SUBMITTING FALSE INFORMAT C. §1319 nelude lines up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	ESPONSIBLE FOR OB ETE, I AM AWARE TI LITY OF FINE AND IM	TAINING THE FAT THERE ARE		incipal Executive othorized Agent		Teleph	one No	Date (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246

Abc Coke Div Drummond Co Inc.

900 Huntsville Avenue

Monitoring Period: 2018-05-01To: 2018-05-31

0021

NO DISCHARGE FROM SITE:

()

Parameter		Quantity	or Loading	Units	Qu	ality or Concentr	ration	Units	No. Ex.	Frequency of Anal	ysisSample Typ
PH	Sample Measurement	*****	****		7.10	*****	7,27		0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	12,35	16.00		0	Weekly	Grab
PARAM CODE: 00530 Stage Code; 1 Final Effluent	Permit Requirement		*****			35 Monthly Average	70 Maximum Daily	19 mg/I		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	10,0 Monthly Average	15.0 Maximum Daily	19 mg/I		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	12.39	18.99		*****	*****	*****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B	1	*****	*****	*****		0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0,53	0.75		D	2X Monthly	Grab
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	3,0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	2.37	2.60		1	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		*****	2,0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREIN AND BASE. NFORMATION, I BELIEVE THE S IGNIFICANT PENALTIES FOR S EE IN U.S.C. § 1001 AND 33 U.S.C Penalties under these diatures, may in	D ON MY INQUIRY OF THOSE I SUBMITTED INFORMATION IS UBMITTING FALSE INFORMAT C 61319	NDIVIDUALS IMMEDIATELY R FRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	ESPONSIBL ETE I AM A LITY OF FIN	E FOR OBTAINING TO WARE THAT THERE E AND IMPRISONME	ARE Officer Or	Principal Executive Authorized Agent		Tele	ephone No D	rate (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

Birmingham, AL35202-0246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Abe Coke Div Drummond Co Inc.

900 Huntsville Avenue

Monitoring Period: 2018-05-01To: 2018-05-31

0021

NO DISCHARGE FROM SITE:

Parameter		Quantity of	r Loading	Units	Qual	lity or Concent	ration Unit	s No. Ex.	Frequency of Analy	sisSample Type
BENZENE	Sample Measurement	*****	*B	151	****	*****	*****	0	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 Ibs/day	*****	****	****		Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B		****	*****	*****	0	Monthly	Grah
PARAM CODE: 34247 Stage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day		*****	*****		Monthly	Grah
NAPHTHALENE	Sample Measurement	*****	*B	1 = 1	****	****	*****	0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	****	*****	*****		Monthly	Grab
PHENOLS	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	*****	*****		Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	1,670	1.777		*****	*****	*****	0	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	****	*****		Daily	Calculated
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASEI INFORMATION 1 BELIEVE THE S SIGNIFICANT PENALTIES FOR SI SEE 18 U.S.C. § 1001 AND 33 U.S.C. (Penalties under these statutes may in	D ON MY INQUIRY OF THOSE II SUBMITTED INFORMATION IS: UBMITTING FALSE INFORMAT II: \$1319	NDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	RESPONSIBLE I LETE. I AM AW LITY OF FINE	OR OBTAINING T ARE THAT THERE AND IMPRISONME	THE Officer	e of Principal Esecutive Or Authorized Agent		Telephone No	Date (MM/DD/Y



LRS, Inc.

Laboratory Resources & Solutions, Inc. 205 6th Avenue Ashville, AL 35953 (205) 594-1445

www.lab-resource.com

Analytical Data Report

Client: ABC Coke

PO Box 10246

Birmingham, AL 35202

Attention: Mr. David Vance

Project Name: 001 Chronic Toxicity - May 2018

Date: June 13, 2018

Primary Data Review by:

Courtnay Snow

Jourtney Snow

Project Manager Laboratory Resources & Solutions, Inc. (LRS)

csnow@lab-resource.com

- * Unless otherwise noted, all analyses on this report performed at ERA, 2975 Brown Court, Auburn, AL 36830.
- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT TOXICITY TEST REPORT SUMMARY

. GENERA	Tr:								
	MIT NO.: A	L0003417	DS	N: 001	COU	NTY: Jeffe	rson		
Pormittee	: ABC Cok	e. Inc.		The Contract					
Pacility	Name: ABC	Coke, In	c.						
and a contract	addition De	morti !	Mr Jef	E McCord			1515 2.96	20	
ab Condu	cting Toxi	city Tes	t(s): ER	A, 2975	Brown Cou	irt, Auburn	, AL 368	30	
Mantha To	Tact: N	Monthly							
mbia Dane	at for Tox	cicity Te	st(s) Re	quired f	or the Mo	onth of: M	lay	12	
Schadul ac	Test(s):	Yes X	No		Acceterar	ed rear lat	, 105	No	X
Accelerat	ed Test N	mber	of	For Fai	led Sched	THE WOLL	Mr. Scr. Scr., Scr., C	STATE AND S	
Toet Type	Required	48 -Hr		creening	:	-Hr	Acute L	Definitive:	
Short-te	rm Chronic	Screenin	g: X	Shor	t-term Ch	ronic Defi	nitive:		
Short-te.	cm chronic			A TANAMA				Andrew Street	
To	st Organis	m:Cerioda	phnia du	bia	Test (Organism: Pi	mephales	promelas	
	Im! Ohn	whi Dato/T	ime Fnde	dlContro	1 Date/T	ime Start [Date/Time	Ended Contr	oll
INO MM	/DD/YY HH:	MMI MM/DE	YYY HH:M	M Valid	MM/ DU	TI UU: MAI	Para / DU/ X	T HELLENSI COMM	d
1 1 105/	15/18 14:3	0 105/22/	18 14:00	Yes	105/15/	18 15:00 0	5/22/18	13:00 Yes	1
1 1 1007	20/10 1110	. 1							
O A STIM	MARY OF RE	SULTS FOR	SCREEN	NG TESTS	:				
2.4. 500	1	4444		1	est Nu	mber			
Test E	ff I	(-1-)		(2)		(3) -		(4)	
	onc Surv		Grow Sun	v Repr	Grow S	urv Repr	Grow! S	The second secon	WO
The second secon	16% PASS		PASSI N/		N/A I N	/A N/A	N/A N	The second secon	AI
	16% PASS		N/A N/I		N/A N	/A N/A	N/A N	/A N/A N/	A
10.4.1	100 (11100		M. P. P. S. S.		0.0				
3 TABOR	ATORY ANAI	YSES OF	UNDILUTE	SAMPLE	3(S):			Act of the Park	7 5 L
ISAMPLE	I BOD5 I	TSS	NH3	Hq I	Alk	Hard-EFF	TRC	Conductivit	Y I
Id.	mg/1	mg/l	mg/1	1 su	mg/1	mg/1	mg/1 1	uS	
1 1	1 1		1 0,637	17.45	120	22	NA I	3,640	-
1 2	1 44444 1		1 0,530	17.14	144	26	NA I	3,960	!
1 3			0.641	17.28	150	18 1	NA I	3,540	
Chemical	Analyses	Performe	d By (La	b): ERA		101 5 8 2			
Total 2	Hour Flow	y: (1) 0	770 MGD	(2) 0,	3/6 MGD	(3) 0.32	O MGD		
Loorlify under	nenally of law that t	his document an	d all attachment	s were prepared	under my direct	ion or supervision in	accordance wil	th a system designed to a	assure
that availfied a	amanad according	other and evalua	to the information	on submitted. B	ased on my inqu	iry of the person of j	persons who ma	allage the system, or thos	30
nacenna direct	he rannonelhla for as	thering the infor	mation, the infor	mation submitte	d is, to the best (of my knowledge an	u bener, true, ac	curate, and complete.	am
persons direct	ro are clanificant no	nallies for submi	tting false Inform	nation, including	the possibility of	fine and imprisonm	ent for knowing	violations.	
aware mer me	re are significant pe	TIGINGS IOI GUOIN	and in the initial		777				
OTCHARIT	RE OF RESP	ONSTRLE O	FFICIAL				DA'	TE:	
PTRIMETO	VE OF VESE	OTIOTENTIA C							

4. SAMPLE COLLECTION:

Split Samples: N/A X Yes ___(Explain) _

Samples Collected as Specified in the NPDES Permit: Yes X No (Explain)

Receiving Water: Five Mile Creek Design Flow: 0,406 (MGD)

Sample	Sample(s) Collected	Arrival Used in Test(s)
Id.	I MM/DD/YY HHMM - MM/DD/YY HHMM I	Temp.°C. MM/DD/YY - MM/DD/YY
1	5/13/18 0730 - 5/14/18 0730	2.6 5/15/18 - 5/16/18
2	5/15/18 0730 - 5/16/18 0730	2.4 5/17/18 - 5/18/18
3	5/17/18 0730 - 5/18/18 0730	2.6 5/19/18 - 5/21/18

CONTROL/DILUTION WATER:

Type	Prepared	Begin Use	- 1		In	itial	Wa	ter Ch	emistries		
-11-	MM/DD/YY I	MM/DD/YY	1	Hard.	-1	Alk.	1	рН	Cond.	0	°C.
MHRW	05/14/18	05/15/18	-1	94	1	59		7.58	1 302	0	25
MHRW	05/15/18	05/16/18	-1	100	1	59	1	7.43	305	0	25
MHRW	05/16/18	05/17/18	- 1	88	1	61	1	7.51	312	6	25
MHRW	05/16/18	05/18/18	- 1	94	1	61	1	7.40	1 305	0	25
MHRW	05/16/18	05/19/18	1	96	1	59	1	7.48	1 304	9	25
MHRW	05/20/18	05/21/18	- 1	92	1	59	1	7.46	1 306	6	25

6. TOXICITY TEST INFORMATION:

Test	1 Org	anism	(Organism		1	Test	So.	Lution	Conce	entrati	ons	(8)	1
Species	-	ge I		Source		1			1 1 1 1 1	1	1			1
P.p.	1 1-2	days	Florida	Bioassay	Supply	1	16%	1						
C.d.	10-5	hrs	ERA	The second of the second	THE PERSON NAMED IN	1	16%	1		1	1			

Test Species	Test Vessel	Vessel Vol.(mL)	Solution Vol.(mL)	게 마이어루 이 아이라 보다 그리	Replicates Per Conc.
P.p.	plastic beaker	1 500	1 250	10	2
C.d.	plastic beaker	1 25	1 20	5	4

Test Species	1	Temp. Range	ĺ	D.O. Range (mg/L)	1	pH Range (su)	1	Light Intensity Average (ftc.)
P.p.	1	24.3 - 25.8		6.0 - 9.7		6.74 -7.46	1	75
C.d.	1	24.3 - 25.8	1	7.5 - 9.7	-1	7.01 -7.59	1	75

7. FEEDING:

Not Fed: ___ Fed Daily: X Fed Irregular: ___(Explain in Comments Below) Brine Shrimp: Fed 0.15 g Suspension of Newly Hatched Larvae 2 Times Daily. YCT: Fed 0.130 mL Suspension Containing 1.86 g/L TS Daily.

Algae: Fed 0.130 mL Suspension Containing 3.0 x 10' Algal Cells/mL Daily.

COMMENTS:

FACILITY	NAME: ABC Coke	NPDES #: F	L0003417 DSN: 001 DATE: 05/	15/18
0 2222	ENCE TOXICANT TESTS			
B. REFER	: Sodium Chloride	SOURCE: Fishe	er Scientific CAS	#: 7647-14-5
Solution	Concentration Unit		1 0 1	
TOTE STAY				
Chronic:	A Development .		cence Test Solution Concent	rations I
Test			(Control to Highest Conc	
Org.	MM/DD - MM/DD	Water		
P.p.	5/01/18- 5/08/18			
C.d.	5/01/18- 5/08/18	MHRW 0 0.5	1.0 1.5 2.0 2.5	I NUMBER
Test			overn Chart Control Limit	The state of the s
Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit	1 20 1
P.p.	Survival	4.0	2.0 - 4.0	1 20 1
P.p.	Growth	4.0	2.0 - 4.0	1 20 1
C.d.	Survival	1.5	0.5 - 1.5	
C.d.	Reproduction on File With ADEM	0.5	0.25- 1.0	1 20
9.B. Te	st Solution Manipul	ations or Test Modif	ications:	
10. REQ	UIRED REPORT ATTACH	MENTS:		
(Bench Tests.	Sheets) Pertaining Include Suspended,	To Physical, Chemica	Reference Toxicant Tests, And I, And Biological Measurement occupation of the Continued Toxicity Tests De (Freshwater);	ents For All
Were Ne	GANISM: Ceriodaphnic onates Used to Begin of the CONTROL Fem	n the Test Within 8 1	nours of the same age?: Yes	1
NO SURV	TOXICITY INDICATED IVAL STATISTICAL AN. (%) 24h 100 48h 10	ALYSIS NECESSARY: X	ENT(%): 24h <u>100</u> 48h <u>100</u> Er	nd <u>100</u>

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN:0	001 DATE: 05/08/18
REPRODUCTION (Average Neonates/Female) CHRONIC TOXICITY INDICATED: YES NOX CONTROL: _20.7	
TEST ORGANISM: Pimephales promelas MORTALITY CHRONIC TOXICITY INDICATED: YES NO X CONTROL(%) 24h 100 48h 100 7day 93 EFFLUENT(%): 24h 100 NO MORTALITY STATISTICAL ANALYSIS NECESSARY: X Normally Distributed: Yes No Test Statistic: Critical Value: (Parametric) Equal Variance: Unequal Variance: F Statistic: Critical F: / Test Statistic: / Test Critical Value: Sample Rank Sum: #Reps.: Critical Rank Sum:	
GROWTH - Mean Dry Weight (mg) CHRONIC TOXICITY INDICATED: YES NO X CONTROL: 0.351 mg EFFLUENT: 0.355 mg NO GROWTH STATISTICAL ANALYSIS NECESSARY: X	(Non-Parametric)
Normally Distributed: Yes No Test Statistic: Critical Value: (Parametric) Equal Variance: Unequal Variance: F Statistic: Critical F: / Test Statistic: / Test Critical Value: Sample Rank Sum: #Reps.: Critical Rank Sum:	(Non-Parametric)
Sample Rank Sum: #Reps.: Critical Rank Sum:	Parents or para resulting property for

- Informations			LRS Clie	nt Inform	ation:			An	alysis/Co	ntainer/Pr	eservative		14	Chain of Custod
Information: Sox 1260 th Avenue le, Alabama 359: 594-1445 on@lab-resource			ABC (P.O. Box 1) Birmingha "Report to" C	Coke 10246 m, AL 3520 59-C			1-gallon HDPE, non-preserve						& Solutio	ry Resources ns, Inc. (LRS) y Service Provider
t Name: 001 Chr	onic Toxic			Birmingham, A P.O. #			E1000.0 (One			11				
D. Varce			-				000							
by (signature):	RUSH? P		(Begins on L	The same of the sa	its Needed:								Laboratory:	
7) V	s	ame Day (2 Next Day (10 Two Day (5) Three Day (2	00%) 00%) 0%)	ST		Number of Containers	Chronic Toxicity							source Analysts, Inc.
Sample ID	Comp/Grab	Start Date	Start Time	End Date*	End Time*	Nem	ਨੁ						San	ple Remarks
001 Discharge	Comp.	5-13-18	0130	5-14-18	0130	1	X						1793	341-014
						13			1					
									1					
														15.
SS-Soil/Solid GW-Grou										Rai	nfall in Inch	es	pH Flow	TempOther
short by (Signature)	Date: S-14-18 Date: 5-14-18	Time:	Received by:	(Signo(u)o)	din		Samples Temp:			UPS_Oth	er cottles Receive	od:	Condition	(lab use only)
spector/Signature)	Date: 5-15-18	1054	al.	lab by: (Signatu				15/18		T	ime:	54	pH Checked:	NCP:

g Information:			LRS Clie	nt Inform	ation:			Ar	ialysis/Co	ontainer	Preservat	ive	1		Chain of Custod Page 1 of
S, Inc. Box 1260 6th Avenue ille, Alabama 359: 594-1445 eton@lab-resource	ABC (P.O. Box of Birmingha	Coke 10246 m, AL 3520 Contact:		1-gallon HDPE, non-preserv							Laboratory Resources & Solutions, Inc. (LRS A Laboratory Service Provider				
ct Name: 001 Chr	onic Toxic		Mr. David	City/State collor Birmingham, Al			(One 1-								獎人
A Bourguos				P.O. #			E1000.0							16	
I by (signature):				Lab Login Dat	e) Its Needed:				1						
See on leaf N_ Y_		lease Noti ame Day (2 lext Day (1) Two Day (5 Three Day (5	00%) 00%) 0%)	Date Resu	its Nobded:	Number of Containers	Chronic Toxicity		3					2975 Brown Court Auburn, AL 36830	cource Analysts, Inc.
Sample ID	Comp/Grab	Start Date	Start Time	End Date*	End Time*	Num	Chr		1					Sam	ple Remarks
001 Discharge	Comp.	5-15-18	0730	5-16-18	0730	1	X							1 100	PU5
									1						
: SS-Soil/Soild GW-Grount Remarks: *End Date an										F	tainfall in l	Inches		pH Flow	Temp
lahed by:(Signature)	Date:	Time: 0730	Received by:	Signature)1	din			returned v	ia: FodEx_	1.	Bottles Re	calved:		Condition	(lab use only)
ished (signature)	S/19/18	10.45 Time:	Received for	Lab by: (Signatu	(0)		Date:	-1 -	a		Timo:	15	_	pH Checked:	NGF:

Information:			LRS Clie	nt Informa	ation:		-	An	alysis/Co	ntainer/P	reservative	1	Chain of Custoo Page 1 of			
ox 1260 h Avenue e, Alabama 35953 594-1445 on@lab-resource.com			ABC O	Coke 10246 m, AL 3520 Contact:	2		1-gallon HDPE, non-preserve						& Solution	Resources s, Inc. (LRS) Service Provider		
t Name: 001 Chro	to and a	ity 003417		Birmingham, Al P.O. #			E1000.0 (One									
A SOCIFICOS by (signature):	1 ALC	A - 12 34	(Begins on I	ab Login Dat	e)		1000.									
Boal 1007 N Y	RUSH? PI		fy LRS 00%) 00%) 00%)		its Needed:	Number of Containers	Chronic Toxicity E		7				Laboratory: Environmental Resort 2975 Brown Court Auburn, AL 36830			
Sample ID		Start Date 5-17-18	Start Time	End Date*		1	ਤ X		1	11	+	4-1	Sampl	e Remarks		
SS-Sail/Salid GW-Groun										R	ainfall in Inch	es	pH	TempOther		
Remarks: "End Date and thou hou (Signature) the by: (Signature) the by: (Signature) the by: (Signature)	Doto: S-18-18 Dato: S-18-18	Time:	Received by:	Signature	-10	upos		a returned v	(UPS_O		-	Condition pH Checked:	(lab use only)		

	SOP 610.4		cara					OXICITY T			EPA METHOD 1000	
	Date/Time St	-		8 15:00	_	ation Board#		\$18BU		age Of Organi	isms 24-4	8 Hrs
	Date/Time Fir	nish	5/22/18	-169132		eter/Probe		5-3/12				
	Test#:	PDC	-14	-18/17.	_	eter/Probe		SI 2/2	CO	NTROL for T	Cest	
		Lot: 825			100000	ometer ID		237-1				
ne Sh	rimp Lot#_	29				operiod:		t/8 Hrs Dark				
					Water	Volume:		mLs				
t			100	i en		pH OLD	DO OLD	Temp 'C OLD	MERW	Feed AM	Analysis & Water Change	
	1	2	3	4	# Alive	96 030	30 5 LA	गिशाहे हैं कुलहर्ग	Dilution Lot	Feed PM	Date/Time/Analyst	Obs.
E					17007	N/A	N/A	N/A		N/A		
1	10	10	10	10	40	1.49	9.5	24! −	3575	17:00	5/15/18 15:00 HA/AF	N
			100			7.08	6.6	25.5		9:30		
_	10	10	10	10	40	H 118	Ñ/e	20.5	3577	15:15	5/16/18 13:00 OR	N
						7.05	7.1	25.9		9:00		
	10	10	10	10	40	590	4.9	20 (E	3578	15:00	5/17/18 13:00 HA/AF	N
						7.25	8.1	25.2		10:00		
	10	10	8	10	38	440	A.j.	2.1	3579	15:15	05/18/18 13:00 RR/BU	N
						6.78	6.0	24.7		8:00		
	10	10	8	10	38	7.03	179	2-16	3580	13:45	05/19/18 13:00 HA/EC	N
1						6.88	6.8	25.1		10:00		
	9	10	8	10	37	7/4(0)	8.3	24.5	3580	15:00	05/20/18 13:00 RR/EC	N
						6.96	7.1	25.0		9:30		
	9	10	8	10	37	7,45	83	25.1	3582	17:00	05/21/18 13:00 RR/BU	N
						6.74	6.5	25.2		N/A	No Water Change	
	9	10	8	10	37	N/A	N/A	Ni/A	N/A	N/A	05/22/18 13:00 HA/BU	N
bse	rvations Key:								Comments:			
			N = N	formal								
N	I/A = Not Appl		100	n Bottom	200	27.50	2.27		1	200		
	1 = Living 0 = Dead			Surface		Precipitate		= Cloudy	CL = Clear			
	0-Dead		SM=	Lethargic Small		red Carapace Caught On	1000	Film ssolved Material	ERR = Errati	c Swimming		
							Resource Analys					
						297	Brown Ct.	1				
							rn, AL 36830 4) 502-3444					

	SC	P 610.4			DAY	ATHEAD	MINNOV	V TOXICITY	TEST		EPA METHOD I	0.000	
st#:		74 - 16 pt 50		Client:			BC Coke				24-48 Hrs		
	le Type lution:	eff								o.			
est	1	2	3	4	# Alive	pH OLD	DO OLD	Temp 'C OLD	Feed AM	Sample # Used	Analysis & Water Change Date/Time/Analyst	pH 100%	Obs.
art	10	10	10	10	40	N/A	N/A	N/A	N/A 17:00	179341-01b	5/15/18 15:05 HA/AF	7.45	N
1	10	10	10	10	40	7.09	6.4	25.1	9:30 15:15	179341-01b	5/16/18 13:05 OR	7.50	N
2	10	10	10	10	40	6.9 70%	6.8	25.8	9:00 15:00	179367-01b	5/17/18 13:05 HA/AF	7.14	N
3	10	10	10	10	40	7.05	7.1	24.3	10:00 15:15	179367-01b	05/I8/18 13:05 RR/BU	7.71	N
4	10	10	10	10	40	7.15	8.3	25.1	8:00 13:45		05/19/18 13:05 HA/EC	7.16	N
5	10	10	10	10	40	7.21	8,5 3,4	25.1 % 3	10:00 15:00		05/20/18 13:05 RR/BU	7.39	N
6	10	10	10	9	39	7.03	7.1 7.0	25.1	9:30 17:00	1	05/21/18 13:05 RR/BU	7.22	N
7	10	10	10	9	39	6.94	6.5	25	N/A N/A	N/A	No Water Change 05/22/18 13:05 HA/BU	7.35	N
Obser	vations Ke	ey:	N-1	Tanasal				V	Comme	ots:			
N	/A = Not A 1 = Liv 0 = Do	ring	ON = O OS = O LETH=	Normal n Bottom n Surface Lethargic Small	FC = FI	= Precipitate ared Carapace Caught On	F=	= Cloudy Film solved Material		CL = Clear/Colo R = Erratic Swi			
						Environs	2975 Brown C Auburn, AL 361 (334) 502-344	t. 830					

, Rev'd By_____

ID: DWDFM Revision:Original

Effective: 03.05.2018

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

Test#	-	14-16/15		Balance#:	2		
Date/Time/Analyst In Oven:	5/22/2018	14:30 HA/BU	Date/Time/Anal	yst Out Oven:	5/23/18 14:30 HA/BU		
Temp C In:	60.0			Temp C Out:	60.0	*	
Sample & Concentration	Replicate #	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)	
Blank	1	0.9922	0.9923	N/A	N/A	N/A	
	1	1.02550	1.02899	9	0.349		
Control	2	1.05130	1.05473	10	0.343		
Control	3	1.03780	1.04138	8	0.358		
	4	1.02120	1.02476	10	0.356	0.351	

QA'd by_____

ID: DWDFM Revision:Original Effective: 03.05.2018

Test Number:

74 -160 Client:

LRS- ABC Coke

Sample & Co	ncentration	Replicate#	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)
		1	0.99270	0.99589	io	0.319	, , ,
% Dilution:	16	2	1.02220	1.02602	10	0.382	
		3	0.99300	0.99623	10	0.323	
Sample Type:	Effluent	4	1.03670	1.04067	9	0.397	0.355
		1					
% Dilution:		2					
		3					
Sample Type:		4					
		1					
% Dilution:		2					
		3					
Sample Type:		4					
		1					
% Dilution:		2					
		3					
Sample Type:		4					
		1					
% Dilution:		2					
		3					
Sample Type:		4					

QA'd By____

i'd By_

Effective: 3 BROOD CERIODAPHNIA TOXICITY TEST EPA METHOD 1002.0 SOP 609.4 74-1601 5/15/2018 14:30 Test# 051418BU Age Of Test Organisms ate/Time Start Randomization Board #: 0-5 Hrs 5/22/18 14:00 10 ate/Time Finish pH Meter/Probe AB15-3/12/AB15-1/21 DO Meter/Probe YSI 2/2/YSI 3/3 773237-1 cells/mL 3*10^7 Thermometer ID Algae Lot 270 273 g/L Solids 1.860 Photoperiod: 16 hrs Light / 8 Hrs Dark Yeast Lot Water Volume: 20 mLs Vol Fed Per Cup (µL) 130 POTAL MERW Temp 'C OLD Analysis & Water Change DHOLD DO OLD Feed Dilution Time Temp 'C NEW 5 6 7 8 9 10 PH NEW DO NEW Date/Time/Analyst Obs. 2 3 4 Lot ay 1 1 1 1 NA N/A N/A 8.7 24.7 17:00 10 7.46 3575 05/15/18 14:30 JL/AF N 24.7 1 7.33 7.7 10 7.38 8.6 24.5 3577 5/16/2018 14:30 RR/BU 20:00 N 1 1 1 1 1 1 7.26 8.1 24.7 8.4 25.6 3578 5/17/2018 14:30 HA/AF 17:45 N 10 7.40 1 1 1 1 1 1 1 25.9 7.06 8.2 10 7.41 8.5 24.3 3579 5/18/18 13:00 BU 17:00 N 1 1 1 1 8.4 24.7 7.41 4 1 End 1 1 End 2 1 End 5. 1 End 5 1 End 3 1 End 6 1 End 1 End 1 End 4 7.5 24.6 N 7.13 3580 5/19/18 14:30 EJC/HA 13:45 1 7.36 7.9 25.6 10 2 End 9 2 End 9 Z End 6 2 Enc 8 2 En 1 End 2 End 6 5 7.40 8.3 24.3 3580 05/20/2018 14:30 EJC/AF 15:00 N 10 1 1 7.20 -8.1 25.2 5 2 End 2 End -3 3 3. 6 8 3 6 3 5 5 8.5 25.1 10 7.45 3582 05/21/18 13:15 AF 15:00 N 7.43 8.3 24.3 5 J End 6 3 End S 3 End 7 3 End 11 3 End 3 D End 6 3 End 3 End 2 3 End 6 N/A 10 N/A N/A N/A 05/22/18 14:00 RR N/A N Comments: 20 24 22 20 21 cs | 22 23 21 16 18 ations Key: PM = Particulate Matter AVERAGE # Neonates per Female N = Normal20.7 CL = Clear/Colorless N/A = Not Applicable umber Living ON = On Bottom ERR= Erratic Swimming OS = On Surface UM = Undissolved Material F = Film End= End of Brood PRE = Precipitate CLDY = Cloudy Brood # LETH= Lethargic onates: CO = Caught ON SM= Small FC = Flared Carapace Environmental Resource Analysts, Inc. 2975 Brown Ct. Auburn, AL 36830

(334) 502-3444

Page 1 of 1

SOP 609.4

v'd By

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

								1	0		Clie	nt:	_				Α	BC Coke				Age of Test organisms:	0-5 Hrs	
amp		pe:				cff	-10	991	5															
% Di	lutio	n:	1	=		16				1	-			_			7	pH OLD	DO OLD	Temp 'C OLD	Sample#	Analysis & Water Change	Feed	
		•	١.	2		3	4		5	1	6	7	8	1	9	10	POTAL	pH NEW	DO NEW	Temp 'C NEW	Used	Date/Time/Analyst	Time	Obs.
Day		1_	-		-	3	-		1	+	1	1	1	+	1	1	~	N/A	N/A	N/A				
rt			199	1	200	100	100	200		de	i s					en lan	10	7.01	9.7	25.3	179341-01b	05/15/18 14:35 JL/AF	17:00	N
-	-	-	1	-		1			1	-	1	1	1	7	1	1	10	7.05	9.5	25.3	175541-010	COLLUNA O A TIME VENTOR		
		1 18		1	100	1	100	lies.		191	i Isa		Name of			80 III	10	7.40	8.5	24.8	179341-01b	05/16/18 14:35 RR/BU	20:00	N
_	1000	1	-	1		1	PRODU		1	-	1	1	1	7	1	1	10	7.22	8.1	24.6	175541 010	USATO TRISE TRUES	20,00	
	100	Ė	125	i	183	i i	200	200				FOV 192					10	7.14.	8.4	25.4	179367-01b	5/17/2018 14:35 HA/AF	17:45	N
_	Commit	1	-	1		1			1	1	1	1	1		1	1	10	7.16	8.0	24.7	377201 110			
	189	i i		Ì	100	160	-0		151.19	10		133		8		10 10	10	7.71	8.8	25.3	179367-016	5/18/18 13:05 BU	17:00	N
_		1	1	I		1		1	1	T	1	1	1		1	1		7.31	8.1	25.1				
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Veon	ates	Br	boo	_	TH= f= Sn		argic				Precip	itate Carapace				OY = Clo = Caugh								
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Page Lots J

Start Date: End Date: Sample Date:	5/15/2018		Protocol:	ERA EPAF 94-1	EPA/600/4	1-91/002	Sample ID Sample Ty Test Spec	/pe:	EFF EFF2-Indu CD-Cerioo	istrial Iaphnia dubia
Conc-%	stat analy	2	3	4	5	6	7	8	9	10
	22,000	23,000	21,000	16,000	18.000	20.000	24.000	22,000	20.000	21.000
Control	22.000									

		DETECT OF		Transforn	n: Untran	sformed		Rank	1-Talled	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	
	20,700		20.700	16.000	24.000	11.398	10			TAULDY THE TE
Control								105.50	22.20	3.69437

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test Indicates normal distribution (p > 0.01)	0.93085	0.868	-0.8977	1.44472
F-Test indicates unequal variances (p = 7:26E-03)	7.15369	6.54109		-
Hypothesis Test (1-tall, 0.05)				
Wilcoxon Two-Sample Test indicates no significant differences				
Treatments vs Control				

ID: ToxBS Revision: Original Effective: 03.05.2018

Toxicity Benchsheet

	Client		74 -	- ABC Coke			
Sample	Sample #	Collection Date/Time	pH 100%	TRC mg/L	Analysis Date/Time/ Analyst	pH Meter/Probe	TRC Meter
#1	179341-01b	5/14/18 19:30	7.45	N/A	5-15-18/ 15:00/AF	AB15-3/12	N/A
#2	179367-01b	5/16/18 19:30	7.14	N/A	5-17-18/ 15:00/HA	AB15-3/12	N/A
#3	179447-01Ъ	5/18/18 7:30	7.28	N/A	5-18-18 17:00 BU	AB15-3/12	N/A

002 STORM WATER MONITORING

SAMPLE DATE:	5/10/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	11:00 AM
WEATHER CONDITIONS:	CLEAR
CREEK CONDITIONS:	CLEAR
INIT STAFF LEVEL: 84"	
FINAL STAFF LEVEL: 46"	
	,487,870 GALLONS
TOTAL DISCHARGE VOLUM	
DAILY AVERAGE FLOW:	1.777 MGD

pH:	7.10 SU	
TSS(mg/L):	8.7	
NH3-N(ppd):	5.78	
CN(T)(ppd):	BMDL	
BENZO(a)PYRENE (ppd):	BMDL	
PHENOLS (ppd):	BMDL	
BENZENE (ppd):	BMDL	
NAPTHALENE (ppd):	BMDL	
MANGANESE,T (mg/L):	2.13	
IRON, T (mg/L):	0.308	
O & G (mg/L)	BMDL	

SAMPLE DATE:	5/21/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	10:30 AM
WEATHER CONDITIONS:	CLOUDY
CREEK CONDITIONS:	CLEAR
INIT STAFF LEVEL: 84	DATE: 5/21/2018
FINAL STAFF LEVEL: 50'	
	JME: 7,808,163 GALLONS 1.562 MGD

pH:	7.27 SU
TSS(mg/L):	16
NH3-N(ppd):	18.99
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	2.6
IRON, T (mg/L):	0.753
O & G (mg/L)	BMDL

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS:P O Box 10246

Birmingham, AL35202-0246

PERMIT NUMBER: AL0003417

MONITORING

POINT:

COUNTY:

Jefferson

FACILITY: Abc Coke Div Drummond Co Inc LOCATION:

900 Huntsville Avenue Tarrant, AL 35217

Monitoring Period: 2018-06-01 To: 2018-06-30

0011

NO DISCHARGE FROM SITE:

Parameter		Quantity of	or Loading	Units	Quality	or Conc	entration	Units	No.	Frequency of Anal	ysisSample Typ
DXYGEN, DISSOLVED (DO)	Sample Measurement	+++++	*****		6,33	****	*****		0	Weekly	Grah
PARAM CODE: 00300 Stage Code: I Final Effluent	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****	19 mg/l		Weekly	Grab
Н	Sample Measurement	*****	*****		6.72	*****	7.58		0	Daily	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		6.0 Minimum Daily	****	9.0 Maximum Daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	13.97	25.47		*****	*****	*****		0	Weekly	Composite
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 Ibs/day	****	****	*****			Weekly	Composite
DIL & GREASE	Sample Measurement	*B	*B	100	*****	*****	*****		.0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	25,0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	1,36	1.97			****	*****		0	Weekly	Composite
PARAM CODE: 00610 stage Code: 1	Permit Requirement	33.0 Monthly Average	49,5 Maximum Daily	26 Ibs/day	*****	****	38883			Weekly	Composite
NTROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	3.65	9.09		*****	*****	*****		0	Weekly	Composite
PARAM CODE: 00625 Stage Code: 1	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 lbs/day	****	****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.711	0.779		****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00720 tage Code: 1 inal Effluent	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	IGNIFICANT PENALTIES FOR SI EE 18 U.S.C. § 1001 AND 33 U.S.C.	D ON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T SUBMITTING PALSE INFORMATI	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBIL	ESPONSIBLE ETE I AM A' JTY OF FINE	FOR OBTAINING THE WARE THAT THERE ARE AND IMPRISONMENT	Om	ture of Principal Exec icer Or Authorized Ag			Telephone No	Date (MM/DD/V

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION:

Abc Coke Div Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2018-06-01To: 2018-06-30

NO DISCHARGE FROM SITE:

Parameter		Quantity of	r Loading	Units	Qua	lity or Concent	ration	Units	No. Ex.	Frequency of Analysi	Sample Type
IRON, TOTAL (AS FE)	Sample Measurement	0.99	0.99			*****	*****		0	Monthly	Composite
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 Ibs/day	*****	*****	*****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.18	0.18		*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	*****	24464	*****			Monthly	Composite
BENZO(A)PYRENE	Sample Measurement	*B	*B		****	*****	*****		0	Weekly	Composite
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily	26 Jbs/day	*****	*****	*****			Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B		*****	*****	*****		0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 lbs/day	,,,,,	*****	*****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B		*****	*****	*****	17.0	0	2X Monthly	Grab
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	0.17 Monthly Average	0,30 Maximum Daily	26 lbs/day	*****	****	*****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU FREATMENT PLANT	Sample Measurement	0.30285	0.34229		*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 50050 Stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	****				Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.022	0.034		*****	*****	- *****		0	2X Monthly	Grab
PARAM CODE: 51173 Stage Code: 1 Final Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
Officer Or Anthorized Agent	UBMITTED HEREIN AND BASE NFORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE 18 U.S.C. § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONALI DON MY INQUIRY OF THOSE IN SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI 2, \$1319 clude fines up to \$10,000 and or may	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBII	ESPONSIBLE F LETE I AM AWA LITY OF FINE A	OR OBTAINING T ARE THAT THERE AND IMPRISONME	HE Officer	of Principal Ex Or Authorized			Telephone No	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

FACILITY:

LOCATION:

Birmingham, AL35202-0246

Abc Coke Div Drummond Co Inc.

900 Huntsville Avenue

MONITORING

COUNTY:

Jefferson

POINT:

Monitoring Period: 2018-06-01To: 2018-06-30

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Qua	lity or Concent	ration	Units No. Ex.	Frequency of Analysis	f Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	9A	*****	*****	*****	0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	****	0. Maximum Daily	pass(0)/fail (1)	*****	*****	*****		Monthly	Grah
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	*****	*****	*****	0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	****	0 Maximum Daily	pass(0)/fail (1)	****	*****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	5220	26	*****	*****	*****	0	Monthly	Composit
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	lbs/day	*****	*****	*****	VIII-	Monthly	Composit
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	10.07	12.06	26	*****	*****	*****	0	Weekly	Composit
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	56 Monthly Average	84 Maximum Daily	lbs/day	*****	*****	****		Weekly	Composit
Officer Or Authorized Agent	UBMITTED HEREIN AND BASE VFORMATION I BELIEVE THE IGNIFICANT PENALTIES FOR S EE IBU.S.C. § 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ED ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS I SUBMITTING FALSE INFORMAT C. §1319 Include Times up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY R FRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBII	ESPONSIBLE FOR OB ETE I AM AWARE TI LITY OF FINE AND IM	TAINING THE HAT THERE ARE		incipal Executive thorized Agent	Teleph	Page 3	rate (MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING

POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246

LOCATION: 900 Huntsville Avenue Tarrant Al. 35217

Abc Coke Div Drummond Co Inc.

Monitoring Period: 2018-06-01 To: 2018-06-30

0021

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qu	ality or Concentr	ation	Units	No. Ex.	Frequency of Analysis	Sample Typ
PH	Sample Measurement	*****	*****		6.70	*****	6.80		0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	11111	****		*****	9,20	14.00		0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	10,0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	7,90	9,80		*****	*****	*****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 Ibs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B	-	*****	*****	*****	-	0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	*****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	23334	*****		****	0.32	0.36	11	0	2X Monthly	Grab
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	*****	****		*****	3.0 Monthly Average	6,0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.35	0.41		0	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		****	2.0 Monthly Average	4,0 Maximum Daily	19 mg/l		2X Monthly	Grab
Officer Or Authorized Agent	UBMITTED HEREIN AND BASEI FORMATION 1 BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE IR U.S.C. § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONALL DON MY INQUIRY OF THOSE IN UBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI ; \$1319 clude fines up to \$10,000 and of may	IDIVIDUALS IMMEDIATELY R. RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBIL	ESPONSIBLE ETE I AM A ITY OF FINE	FOR OBTAINING TO WARE THAT THERE AND IMPRISONMEN	ARE Officer Or	Principal Executive Authorized Agent	I	Tele	phone No Date (MM/DD/VY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

0021

MAILING ADDRESS: P O Box 10246

Birmingham, AL35202-0246

MONITORING POINT:

COUNTY:

Jefferson

Abc Coke Div Drummond Co Inc

FACILITY: LOCATION: 900 Huntsville Avenue

Monitoring Period: 2018-06-01To: 2018-06-30

NO DISCHARGE FROM SITE:

Parameter		Quantity (or Loading	Units	Qual	lity or Concent	ration	Units No. Ex.	Frequency of Ana	lysis Sample Type
BENZENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 Ibs/day	****	*****	*****		Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B			*****	*****	0	Monthly	Grab
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	*****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B		*****	*****	*****	0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****		Monthly	Grab
PHENOLS	Sample Measurement	*****	*B		****	*****	*****	.0.	Monthly	Grab
PARAM CODE: 46000 Stage Code: 1	Permit Requirement	.*****	REPORT Maximum Daily	26 lbs/day	*****	****	*****		Monthly	Grab
LOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	1.884	1.937		*****	*****	*****	Q	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	****	*****			Daily	Calculated
Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE NFORMATION 1 DELIEVE THE S SIGNIFICANT PENALTIES FOR SI SEE 18 U.S.C § 1001 AND 33 U.S.G Penalties under these stanutes may in	D ON MY INQUIRY OF THOSE II SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI 2	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBII	ESPONSIBLE F ETE I AM AW LITY OF FINE	OR OBTAINING T ARE THAT THERE AND IMPRISONME	ARE Officer	e of Principal Execu Or Authorized Age		Telephone No	Date (MM/DD/V

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: 18 04 01 | To: 18 06 30 | **MAJOR**

COUNTY: Jefferson

PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units Quality or Concentration					No.		Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	1.61		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Quarterly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	05/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.33	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
РН	Sample Measurement	****	****	****	6.72	****	7.58	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	13.97	25.47		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.36	1.97	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	lbs/day	****	****	****	****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	3.65	9.09	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	lbs/day	*****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.711	0.779	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	07/23/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 06 01 | To: | 18 06 30 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units			Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	0.99	0.99		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.18	0.18	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly	10 maximum daily	lbs/day	****	****	****	****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	****	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.30285	0.34229	03	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Grab
CYANIDE, FREE AVAILABLE	Sample Measurement	0.022	0.034	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	07/23/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 06 01 | To: | 18 06 30 | **MAJOR**

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units No		Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	*******	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	5220		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	赤赤赤赤	****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	10.07	12.06	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	07/23/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 04 01 | To: | 18 06 30 | |

MAJOR

COUNTY: Jefferson

PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	ion	Units	No.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	1.61		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Quarterly	Composite
	Sample Measurement		-								
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	05/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417

MONITORING POINT: 0021

MONITORING PERIOD:								
YY MM DD								
From: 18 06 01	To: 18 06 30							

MAJOR

Jefferson **COUNTY: PROGRAM:** Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		6.70	****	6.80	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	9.20	14.00	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	7.90	9.80	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****	****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.32	0.36	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.35	0.41	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	07/23/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 06 01 | To: | 18 06 30 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****		0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	*****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.884	1.937	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	07/23/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 07 01 | To: | 18 07 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentra	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.08	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
РН	Sample Measurement	****	****	****	6.83	****	7.38	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	6.33	12.38		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.96	3.18	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	lbs/day	****	****	****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	1.08	5.42	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.488	0.542	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	08/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	A 1 .	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	0.00	0.00		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.13	0.13	. 26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily	lbs/day	****	****	****	****		Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	****	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****	****		2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.29771	0.32564	. 03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	renort monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.011	0.013	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	08/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 07 01 | To: | 18 07 31 |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity or Loading		Units	Qua	Quality or Concentration			No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	6704		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	ale ale ale ale	****	****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	5.92	8.42	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	08/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0021**

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 18 07 31 18 07 01 From:

MAJOR

Jefferson **COUNTY: PROGRAM:** Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	ality or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
РН	Sample Measurement	****	****		6.75	****	7.12	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	8.40	10.40	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	12.65	14.95	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.83	0.89	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	1.27	1.35	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	08/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 07 01 | To: | 18 07 31 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	ality or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.884	1.937	03	****	****	****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	08/24/2018

PERMIT NUMBER: AL0003417 PERMITTEE NAME: Drummond Company Inc. MAILING ADDRESS:P O Box 10246 MONITORING 0011

COUNTY:

Jefferson

FACILITY: LOCATION:

Birmingham, AL35202-0246 Abe Coke Div Drummond Co Inc 900 Huntsville Avenue Tarrant Al. 35217

Monitoring Period: 2018-07-01Ta 2018-07-31

NO DISCHARGE FROM SITE:

0

Parameter		Quantity of	r Loading	Units	Quality	or Conc	entration	Units	No.	Frequency of Analysi	Sample Ty
OXYGEN, DISSOLVED (DO)	Sample Measurement		*****		5,08		1000		0	Weekly	Grab
PARAM CODE: 00300 Stage Code: 1	Permit Requirement	111111			6,0 Minimum Daily		*****	19 mg/l		Weekly	Grab
Н	Sample Measurement	1011	*****		6,83	*****	7.38		-13	Daily	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement				6.0 Minimum Daily	****	9.0 Maximum Daily	12 S.U		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	6.33	12.38		*****	*****			0	Weekly	Composite
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 bs/day		****	*****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B		*****				0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 bs/day			,,,,,			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.96	3.18		*****	*****	*****		0	Weekly	Composite
PARAM CODE: 00610 Stage Code: 1	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily	26 l0s/day						Weekly	Composite
NITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	1.08	5.42			*****			0	Weekly	Composite
PARAM CODE: 00625 Stage Code; 1	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 (bs/day	*****					Weekly	Composite
TYANIDE, TOTAL (AS CN)	Sample Measurement	0.488	0.542			*****	*****		D	2X Monthly	Grab
ARAM CODE: 00720 itage Code: 1	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	26 fbs/day	*****	*****				2X Monthly	Grab

Date (MM/DD/YY) ecutive Officer Or Telephone No CERTEY UNDER PENATY OF LAW THAT HAVE PERSONALLY EXAMINED AND AN FAMILIAR WITH THE PROBATION SUBJECT PROBLEMS OF MISSION AND RECEIVED WITH PROBLEMS OF MISSION AND RECEIVED WITH PROBLEMS OF MISSION OF MISSION AND RECEIVED WITH PROBLEMS OF MISSION OF MISSI

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc. MAILING ADDRESS:P O Box 10246.

PERMIT NUMBER: AL0003417

MONITORING

Jefferson

FACILITY: LOCATION:

Birmingham, AL35202-0246-Abe Coke Div Drummond Co Inc. 900 Huntsville Avenue Tarrant Al. 35217

Monitoring Period: 2018-07-01To 2018-07-31

NO DISCHARGE FROM SITE:

()

Parameter		Quantity	r Londing	Units	Qua	lity or Concent	ration	Units No	Frequency of Analy	sisSample Ty
IRON, TOTAL (AS FE)	Sample Measurement	0.00	0.00				*****	0	Monthly	Composit
PÁRAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 lbs/day			*****		Monthly	Composit
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.13	0.13		3444	*****	*****	D	Monthly	Composit
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day					Monthly	Composit
BENZO(A)PYRENE	Sample Measurement	*B	*B				*****	D	Weekly	Composit
PARAM CODE 34247 Stage Code: 1 Final Effluent	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily	26 lbs/day					Weekly	Composit
NAPHTHALENE	Sample Measurement	*B	*B		*****			0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 lbs/day		7000	*****		Monthly	Grab
PHENOLS	Sample Measurement	*B	*B		*****	*****		0	2X Monthly	Gmb
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	26 lbs/day					2X Monthly	Grah
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	0.29771	0.32564		*****		*****	-0	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1 Final Effluent	Pennit Requirement	REPORT Monthly Average	REPORT Maximum Daily	D3 MGD		****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.011	0.013		*****			0	2X Monthly	Grab
PARAM CODE: 51173 Stage Code: 1 Final Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 lbs/day	*****	100	,,		2X Monthly	Gmb

xecutive Officer Or Date (MM/DD/YY) CREITY UNDER PENALTY OF LAW THAT HAVE PERSONALLY EXAMINED AND ANY AMELIAR WITH THE INFORMATION SUBMITTED BEARS AND HARD OR MY DAZURY OF THESE DRIVEN HARD AND AND AND ADDRESS AND HARD OR OR THAT DOES THE PENALTHED BE STREAMFRED FOR THE ACCURATE AND ORSHELTED AN AWARD HAT THE STREAMFRED FOR THE ADDRESS AND HARD OR STREAMFRED FOR SUBMITTED FALSE BOTOMATION, DELLIDERO THE POSSUBLITY OF FINE AND BURBONAENT, NEW 18 U.S.C. § 1001 MOD 33 U.S.C. \$1019 MOD 34 U.S.C. \$1020 MOD 35 U.S. \$1020 MOD 35 U.S. \$1020 MOD 35 U.S. \$1020 MOD 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc MAILING ADDRESS: P O Box 10246

PERMIT NUMBER: AL0003417

MONITORING

lefferson

FACILITY: LOCATION:

Birmingham, AL35202-0246 Abe Coke Div Drammond Co Inc. 900 Huntsville Avenue Tarrent Al. 35717

Monitoring Period: 2018-07-01To: 2018-07-31

NO DISCHARGE FROM SITE:

Parameter		Quantity of	r Loading	Units	Qua	lity or Concent	ration	Units	No.	Frequency of Analy	sisSample Typ
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	4.7	*****	31111	-5.60		Ð	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	400	Maximum Daily	9A pass(0)/fail(1)		****	,			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	1,111		7.8		nnt	-006		0	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	***	0 Maximum Daily	9A pass(0)/fail(1)		*****				Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	1011	6704		*****				0	Monthly	Composite
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement		REPORT Maximum Daily	26 (bs/day			11111			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	5.92	8.42	770	*****				0	Weekly	Composite
PARAM CODE MIX/82 Stage Code: 1 Final Effluent	Permit Requirement	56 Monthly Average	84 Maximum Daily	26 lbs/day						Weekly	Composite

CERTIFY URBER POWALTY OF LAW THAT HAVE PERSONALLY EXAMINED AND AM PANIELAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUINY OF THOSE INDIVIDUALNY INDIFFACTOR STRUCK ACCURATE AND COMPLETE. LAM WARE THAT THERE ARE SENTIFICANT PENALTES FOR SUBMITTIBALIZED PROGRAMMON, PALUTING THE POSSIBILITY OF FINE AND UNDIFFED AND COMPLETE. LAM WARE THAT THERE ARE SENTIFICANT PENALTES FOR SUBMITTIBALIZED PROGRAMMON, PALUTING THE POSSIBILITY OF FINE AND UNPRESONMENT, AND 18-U.S.C. § 1001.

NATURE 12110. Signature of Principal Executive Officer Or Authorized Agent Date (MM/DD/VY) Name/Title of Principal Executive Officer Or Telephone No

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc. MAILING ADDRESS:P O Box 10246

PERMIT NUMBER: AL0003417

MONITORING

Jefferson

FACILITY: LOCATION:

Birmingham, AL35202-0246 Abe Coke Div Drammond Co Inc. 900 Huntsville Avenue Tarrant, AL 35217

Manitoring Period : 2018-07-01 To: 2018-07-31

NO DISCHARGE FROM SITE:

Parameter	12	Quantity of	r Loading	Units	Qu	ality or Concentr	ration	Units	No. Ex.	Frequency of Analysis	Sample Ty
914	Sample Measurement		7.50		6 75		7 12		.0	Weekly	Gmb
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	444			6.0 Minimum Daily		8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement					8.40	10.40		0	Weckly	Grab
PARAM CODE 00330 Stage Code: 1	Permit Requirement	ww.	700		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
DIL & GREASE	Sample Measurement					*B	*B	F	.0	2X Monthly	Grab
PARAM CODE 00556 Stage Code: 1 Final Efficient	Permit Requirement					10.0 Monthly Average	15.0 Maximum Daily	19 mg/l	E	2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	12.65	14,95	-			2000		D-	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day		*****				Weekly	Gmb
CYANIDE, TOTAL (AS CN)	Sample Measurement		*B					57	0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	5000	REPORT Maximum Daily	26 lbs/day	1011	1000				Monthly	Grab
RON, TOTAL (AS FE)	Sample Measurement		900		300	0.83	0:89	11	D	2X Monthly	Grah
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement		*****		****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	· ·····			1.27	1.35	11	0	2X Monthly	Grab
PARAM CODE 01055 Stage Code: 1 Final Effluent	Permit Requirement	- William	*****			2.0 Monthly Average	4 0 Maximum Daily	19 mg/l	Ī	2X Monthly	Gmb

Date (MM/DD/VY) THOSE PROVIDED AS DESCRIPTIVE RESPONSIBILITION OUTABLISM THE DEFORMATION. THE EXPORATED IS FORMATION IN THE ACCURATE ASSOCIATED AN AVERAGE AND DESCRIPTIVE AND DEPOSORMENT SEE IN U.S. (1991) AND THE ACCURATE AND DEPOSORMENT SEE IN U.S. (1991) AND STREET SEE IN U.S. (1991) AND ST

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc MAILING ADDRESS:P O Box 10246

PERMIT NUMBER: AL0003417

COUNTY:

Jefferson.

Birmingham, AL35202-0246 Abe Coke Div Drummond Co Inc 900 Huntsville Avenue FACILITY: LOCATION:

MONITORING POINT:

Monitoring Period: 2018-07-01 To: 2018-07-31

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Qual	lity or Concent	ration	Units No.	Frequency of Analy	sisSample Typ
BENZENE	Sample Measurement	*****	*B		*****			0	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	-1411	REPORT Maximum Daily	26 lbs/day					Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	11111	*B		*****	3,,,,,		0	Monthly	Gmb
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement		REPORT Maximum Daily	26 lbs/day	ento.		******		Monthly	Grab
NAPHTHALENE	Sample Measurement		*B					0.	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement		REPORT Maximum Daily	26 lbs/day	*****		*****		Monthly	Grab
PHENOLS	Sample Measurement		*B		*****	3.000		0	Monthly	Grah
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement		REPORT Maximum Daily	26 lbs/day					Monthly	Gmb
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	1,884	1.937		*****	*****	*****	0	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****		2005		Daily	Calculated

Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER MISJALITY OF LAW THAT THAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INDIGINATION SUBMITTED TEXE IS AND BASED OF MY INCURF OF THESE INDIVIDUALS IMMEDIATELY RESPONDED FOR OUT APPING THE INFORMATION I DULLEYE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM	Telephone No	Date (MM/DD/YY)
	- WARE THAT THERE ARE SINGUEGANT PENALTIES FOR SUBMITTING FALSE INFORMATION, DETURING THE POSSIBILITY OF FINE AND IMPRESONMENT, SEE MUSIC. § 1001 AND DULLO, 1919 Produce and the statement may probable from the 10,000 and to reactions are represented for the statement of the s		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

002 STORM WATER MONITORING

SAMPLE DATE:	7/5/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	10:20 AM
WEATHER CONDITIONS:	CLEAR
CREEK CONDITIONS:	CLEAR
INIT STAFF LEVEL: 84"	
VOLUME: 17,3 FINAL STAFF LEVEL: 44"	
VOLUME: 8,2	
TOTAL DISCHARGE VOLUME: DAILY AVERAGE FLOW:	9,151,526 GALLONS 1,830 MGD

pH:	6.75	
TSS(mg/L):	6.4	
NH3-N(ppd):	14.95	
CN(T)(ppd):	BMDL	
BENZO(a)PYRENE (ppd):	BMDL	
PHENOLS (ppd):	BMDL	
BENZENE (ppd):	BMDL	
NAPTHALENE (ppd):	BMDL	
MANGANESE,T (mg/L):	1.18	
IRON, T (mg/L):	0.885	
O & G (mg/L)	BMDL	

SAMPLE DATE:	7/17/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	10:30 AM
WEATHER CONDITIONS	: CLOUDY
CREEK CONDITIONS:	CLEAR
INIT STAFF LEVEL: 8	
VOLUME:	
FINAL STAFF LEVEL: 4	2" DATE: 7/22/2018
VOLUME:	7,688,183 GALLONS
TOTAL DISCHARGE VOL	UME: 9,683,833 GALLONS
DAILY AVERAGE FLOW:	

pH:	7.12 SU
TSS(mg/L):	10.4
NH3-N(ppd):	10.34
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	1.35
IRON, T (mg/L):	0.768
O & G (mg/L)	BMDL



LRS, Inc.

Laboratory Resources & Solutions, Inc. 205 6th Avenue Ashville, AL 35953 (205) 594-1445

www.lab-resource.com

Analytical Data Report

Client: ABC Coke

PO Box 10246

Birmingham, AL 35202

Attention: Mr. David Vance

Project Name: 001 Chronic Toxicity - July 2018

Date: August 14, 2018

Primary Data Review by:

_ourtney Snow

Courtnay Snow

Project Manager

Laboratory Resources & Solutions, Inc. (LRS)

csnow@lab-resource.com

- * Unless otherwise noted, all analyses on this report performed at ERA, 2975 Brown Court, Auburn, AL 36830.
- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT TOXICITY TEST REPORT SUMMARY

1. GENERA	<u>u</u> :		DGN	: 001	COUN	TY: Jeffer	son	
NPDES PER	MIT NO.: A	L0003417		. 001	3			
Permittee	: ABC Col	e, Inc.						
	Name: ABC			McCord				Lab
Agent Sub	omitting Re	eport: :	Mr. Jeil	75 Brown	Court, F	uburn, AL	36830	
Conductin	ng Toxicity	y Test(s)	: ERA, 29	13 PLOW	1 Courty -			
Months To	Test:	Monthly		udwad f	or the Mor	th of: J	alv	
This Repo	ort for To	xicity Te	st(s) Reg	urred r	accelerate	ed Test(s)	Yes	No X
Scheduled	d Test(s):	Yes X	NO			aled Test		
Accelera	ted Test N	umber				-Hr	Acute	Definitive:
Test Type	e Required	: 48 -Hr	Acute Sc	reening	t-torm Ch	ronic Defi		
Short-te	rm Chronic	Screenin	g: <u>x</u>	Shor	C-Cerm Cir.	Lonia Dann	MAN NO LON	
					most O	raaniam: Pi	mephale	s promelas
Te	st Organis	m:Cerioda	phnia dut	ola	1 I Date /Ti	me Start ID	ate/Tim	e Ended Control
Sam Dat	e/Time Sta	rt Date/T	ime Endec	Contro	T Date/IT	VV HH · MM	MM/DD/Y	e Ended Control Y HH:MM Valid
INO. MM	/DD/YY HH:	MM MM / DI	D/YY HH:ME	MI VALLO	Pacif DD/		7/25/18	
1 1 1 7/	17/18 12:3	0 1 7/25/	/18 11:55	Yes	1/1/1/1	8 13.00	17 207 20	
2.A. SUM	MARY OF RE	SULTS FOR	SCREENIN	NG TESTS		ham		1
100		and room		1	est Num	ber	-	(4)
Test E	eff. I	(1)		(2)		(3)	Grow) S	Surv Repr Grow
10.77	Conc Surv		Grow Sur			rv Repr		I/A N/A N/A
[P.p.]	16% PASS	1 N/A 1	PASS N/A		-	A N/A		VA N/A N/A
[C.d.]	16% PASS	PASS	N/A N/A	N/A	N/A N/	A N/A	N/A N	WA I WA I WAS I
	C - A 11 + 1 - 1	7.7.						
3. TABOR	RATORY ANAL	LYSES OF	UNDILUTED	SAMPLE	s(s):		mna	Conductivity
SAMPLE		TSS	I NH3	l pH	ALK	Hard-EFF	TRC	uS !
I Id.	mg/1	mg/1	mg/1_	su	mg/l	mg/1	mg/1	4,300
1 1	1		1 0.440	17.77	203	18.3	NA	4,210
1 2	1	1	0.255	17.76	225	22.4	NA	
3	1	1	1<0.200	17.79	268	30.5	NA	1 4,260
Total 2 I certify under	1 Analyses 4 Hour Flo r penalty of law that personnel properly thy responsible for g ere are significant p	this document an gather and evalue	nd all attachments	were prepare	at is to the hest o	f my knowledge and	accordance w ersons who n i belief, true, a ent for knowin	
STGNATI	IRE OF RESI	PONSIBLE	OFFICIAL:				DF	ATE:

		COTT MONTON.
4.	SAMPLE	COLLECTION:

Split Samples: N/A X Yes ___(Explain) Samples Collected as Specified in the NPDES Permit: Yes X No (Explain)

Receiving	ng Wat	er:	Five	Mile	Creek
Design 1	Flow:	0,0	106	(MGI	

- 1	Sam	ole(s)	(Collected		1	Arrival	1	Used in Test(s)
1			_			1	Temp.°C.	1	MM/DD/YY - MM/DD/YY
1	7/15/18	0730		7/16/18	0730	1	1.9	- 1	7/17/18 - 7/18/18
-					0730	1	4.2	1	7/19/18 - 7/20/18
1			-		0730	1	2.1	- 1	7/21/18 - 7/23/18
	1	MM/DD/YY 7/15/18 7/17/18	MM/DD/YY HHMM 7/15/18 0730 7/17/18 0730	MM/DD/YY HHMM - 7/15/18 0730 - 7/17/18 0730 -	MM/DD/YY HHMM - MM/DD/YY 7/15/18 0730 - 7/16/18 7/17/18 0730 - 7/18/18	7/15/18 0730 - 7/16/18 0730 7/17/18 0730 - 7/18/18 0730	MM/DD/YY HHMM - MM/DD/YY HHMM 7/15/18 0730 - 7/16/18 0730 7/17/18 0730 - 7/18/18 0730	MM/DD/YY HHMM - MM/DD/YY HHMM Temp.°C. 7/15/18 0730 - 7/16/18 0730 1.9 7/17/18 0730 - 7/18/18 0730 4.2	MM/DD/YY HHMM - MM/DD/YY HHMM Temp.°C. 7/15/18 0730 - 7/16/18 0730 1.9 7/17/18 0730 - 7/18/18 0730 4.2

CONTROL/DILUTION WATER:

	DILOTION WAISK!	Begin Use	Y		Initial	Water	Chem	istries		
Type	Prepared MM/DD/YY	MM/DD/YY	i	Hard.	Alk.	I pH		Cond.	0	°C.
MHRW	7/03/18	7/17/18		98	1 63	1 7.	1	302	6	25
MHRW	7/13/18	7/18/18	- 1	92	1 61	1 7.	1	312	6	25
MHRW	7/13/18	7/19/18	- [94	1 59	7.1	3	314	6	25
MHRW	7/17/18	7/20/18		100	1 59	7.	5	303	9	25
MHRW	7/17/18	7/22/18	-1	98	1 59	1 7.	7 1	298	0	25
MHRW	7/17/18	7/23/18	1	98	1 59	7,	3	297	9	25
MHRW	7/19/18	7/24/18	1	98	61	1 7.	8 1	316	0	25

6. TOXICITY TEST INFORMATION:

Test	Organism	Organism	Tes	t Solution	Concentration	s (%)
Species	Age	Source				I Service
P.p.	1-2 days	Florida Bioassay Supply	16%			
C.d.	10-4 hrs	ERA	16%	11		

Test Species	Test Vessel	1	Vessel Vol.(mL)	1	Solution Vol. (mL)	Org./Test Vessel	1	Replicates Per Conc.	1
P.p.	plastic beaker		500	1	250	1 10	1	2	
C.d.	I plastic beaker	- 1	25	1	20	1 5	1	4	

Test Species	1	Temp. Range	1	D.O. Range (mg/L)	1	pH Range (su)	I	Light Intensity Average (ftc.)
P.p.	i-	24.1 - 25.9	1	4.9 - 9.7		7.18 -7.64		75
C.d.		24.1 - 25.8	1	7.7 - 9.7		7.37 -7.86		75

7. FEEDING:

Not Fed: Fed Daily: X Fed Irregular: (Explain in Comments Below)

Brine Shrimp: Fed 0.15 g Suspension of Newly Hatched Larvae 2 Times Daily.

YCT: Fed 0.130 mL Suspension Containing 1.86 g/L TS Daily.

Algae: Fed 0.130 mL Suspension Containing 3.0 x 107 Algal Cells/mL Daily. COMMENTS:

FACILITY	NAME: ABC Coke	NPDES #: A	AL0003417 DSN: 001 DATE: 07/1	7/18
8 REFEE	RENCE TOXICANT TEST	s:		
	: Sodium Chloride	SOURCE: Fishe		7647-14-5
	Concentration Uni		C % Other (specify)	
Chronic:				
Test		Control Refe	rence Test Solution Concentra	
Org.	MM/DD - MM/DD	Water	(Control to Highest Conc.)	
P.p.	7/24/18-7/31/18	MHRW 0 2.0	4.0 6.0 8.0 10.0	
C.d.	7/24/18-7/31/18	MHRW 0 0.5	1.0 1.5 2.0 2.5	
Test	THE STATE OF THE S			NUMBER
Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit	1 (N) 1
	Survival	4.0	2.0 - 4.0	1 20 1
P.p.	Growth	4.0	2.0 - 4.0	1 20 1
C.d.	Survival	1.5	0.5 - 1.5	1 20 1
C.d.	Reproduction a on File With ADEN		0.25- 1.0	1 20 1
	st Solution Manipul	None	ications:	
(Bench Tests. 11.C C TEST OR Were Ne Did 60% SURVIVA CHRONIC NO SURV CONTROL	Sheets) Pertaining Include Suspended Include Suspended HRONIC SCREENING TO GANISM: Ceriodaphnionates Used to Begin of the CONTROL Femula TOXICITY INDICATED IVAL STATISTICAL AND (%) 24h 100 48h 1	To Physical, Chemica, Interrupted, or Dis EXICITY TESTS RESULTS a dubia In the Test Within 8 hales Produce Their The O: YES NO _X BALYSIS NECESSARY: 100 End 100 EFFLUE	ours of the same age?: Yes ird Brood? YES: X NO:	ts For All
CONTROL	(%) 24h 100 48h 1	00 End 100 EFFLUE	ONT(%): 24h 100 10 , b = 9	48h 100 End

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN:001 DATE:07/17/18
REPRODUCTION (Average Neonates/Female)
CHRONIC TOXICITY INDICATED: YES NO X
CONTROL: 23.5 EFFLUENT(%): 20.2
NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:
Normally Distributed: Yes No _X
Test Statistic: 0.631 Critical Value: 0.868 (Parametric)
Equal Variance: Unequal Variance: X
F Statistic: 9.2 Critical F: 6.5
/ Test Statistic: / Test Critical Value;
/ Test Statistic: / Test Critical Value; Sample Rank Sum: 85 #Reps.: 4 Critical Rank Sum: 82 (Non-Parametric) COMMENTS:
TEST ORGANISM: Pimephales promelas
MORTALITY
CHRONIC TOXICITY INDICATED: YES NO X
CONTROL (%) 24h 100 48h 98 7day 98 EFFLUENT (%): 24h 98 48h 98 7day 98
NO MORTALITY STATISTICAL ANALYSIS NECESSARY:X
Normally Distributed: Yes No
Test Statistic: Critical Value: (Parametric)
Equal Variance: Unequal Variance:
F Statistic: Critical F:
/ Test Statistic:/ Test Critical Value:
Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric)
GROWTH - Mean Dry Weight (mg)
CHRONIC TOXICITY INDICATED: YES NO X
CONTROL: 0.783 mg EFFLUENT: 0.748 mg
NO GROWTH STATISTICAL ANALYSIS NECESSARY:
Normally Distributed: Yes X No
Test Statistic: 0.958 Critical Value: 0.749 (Parametric)
Equal Variance: X Unequal Variance:
F Statistic: 1.15 Critical F: 47.5
Equal Variance: X Unequal Variance: F Statistic: 1.15 Critical F: 47.5 I Test Statistic: 1.933 I Test Critical Value: 1.94
Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric)
COMMENTS. (Non-Parametric)

				6										47	_	- 1	Chain of Custody
Dilling Information:			RS Clier	t Informa	ation:	-	9	_	Ana	alysis/(Contai	ner/Pr	eserva	ative			Page <u>1</u> of <u>1</u>
Billing Information:	7						non-preserv										Laboratory Resources
LRS, Inc.	A.	2 1/10	ABC C				pre			1							& Solutions, Inc. (LRS)
P.O. Box 1260	1		P.O. Box 1	0246			-nor										A Laboratory Service Provider
205 6th Avenue	de		3irminghar	n, AL 3520	12		E.		- 1	1		-		-			A Laboratory Service / Torice
Ashville, Alabama 35953							1-gallon HDPE,									1	
(205) 594-1445						_	HU										
wgaston@lab-resource.c	om.		'Report to" C	ontact:			allo								1		
352-0718			Mr. David				1-g		- 1						1		A PERIOD I
Project Name: 001 Chron	nic Toxici	ty		City/State colle- Birmingham, A			(One										
Collected by: A Rounceward	Permit#: ALO	003417		P.O. #			E1000.0										
Collected by (signature):	Project	Turnaround	(Begins on L				E10										/
	RUSH? PI	ease Notif	y LRS	Date Resu	its Needed:	ers		7			-						Laboratory: Environmental Resource Analysts, Inc.
0 R. 1	-	me Day (2		ST	2	ntain	Toxicity									1	2975 Brown Court
a sugar		ext Day (10		0	DA	of Containers					- 1						Auburn, AL 36830
		Two Day (5)		1400	-100-001	er o	onic										
Packed on Ice? NY	_	hree Day (2			End Time*	Number	Chronic										Sample Remarks
Sample ID			Start Time	End Date*		1	X										181558-01a
001 Discharge	Comp.	7-15-18	0770	07-16-18	070	-		1									
			1		5			4					+				
		_	1		_	-	-	-			-		-	-	+		
		-	0		-7	1	-						-	-	_	-	
		7	7			7							-	-	-	-	
		Ji	5		10						-				-	+	
		0	ò		7							-			-	-	
		- in	10		C											-	
					-								1				
								1									
							T										
	_	_	-	1	-	_											Tomo
*Matrix: SS-Soil/Solid GW-Ground	water WW-W	/astewater	SW-Surface	Water DW-I	Drinking Wate	r OT	- Othe	er (Des	scribe))	_						pHTemp
Project Remarks: *End Date and	Time Indica	tes When S	Samples W	ere Remov	ed from Cor	npos	ite S	ample	er*		-	R	ainfall	in Inch	es		FlowOther
Relinquished by:(Signature)	Date:	Time:	Received by:		1	_	Sam	ples ret	turned v	via: Fed	Ex_U	PS_C	ther_				Condition (lab use only)
Reinquisited by (Signature)	7-14-18	1100	وصية مسيكسي	- ser	nich		-	-	_			-	Rottles	Receive	d:	-	-
Relinguished by:(Signature)	Date:	Time:	Received by:	(Signature)	4		Tem	1.	9	C							
Relinquished By:(Signature)	7-17-1 Date:	Time:	101 8	Tab by: (Signati	1 1		Date	n'	7/10	7/15	1 -		Time:	17	17		pH Checked: NCF:
Client signature implies acce	7-17-1	DS Torms	and Cond	litions whi	ch can be v	iewe	d on	line a	at ww	w.lab	-reso	urce	.com				
Client signature implies acce	eptance of L	ro reins	and Cont	ILIOTIO, WITH													



Client <u>URS</u>

Sample # 181558-01

ERA Cooler Receipt Form

Condition of Cooler Upon Unpacking Date & Time of Cooler Unpacking	2/17 1150	Receiving Analyst:
Method of Delivery: Fed Ex UPS USPS Tracking Number Condition of Custody Seal upon arrival:	ERA Driver	Client Drop Off Other Present & Broken Present & Present & Broken by ERA Driver sealed broken
Condition of Cooler Contents	Dr	1
Chain Of Custody Information: Cooling Process Solid Ice Packaging Materials: Bubble Wrap Broken Bottles? No Temperature °C	Yes D: Utah	Incomplete, Dry Ice None Other Other: If yes, which? Time: (50 Initials: Acord Cooling process Ice melted
Sample Information and Verification		
have been checked and are in No, see protect pH range? Not applicately the correct pH range? Not applicately the correct pH range? Not applicately the comments and Resolutions A. Was a non-conformance form needed for a	Yes Yes Yes Yes Yes Secretatives needed Secretative info	Date/Time/Initials
If yes, Date Started: 3. Additional Comments:	analyst: _	ceipt to lab
5. Analyst Conformation	U	
conditions are not met the appropriate act	custody, and sample re ions were taken by the	eceipt is correct and verified by the analyst. If the receiving analyst and/or the lab manager. QA/QC Review By:

			PS Clies	nt Informa	ation:				Analysis	/Contain	er/Preser	vative		Chain of Custo
Eilling Information: LRS, Inc. P.O. Box 1260 205 6th Avenue Ashville, Alabama 3598 (205) 594-1445 wgaston@lab-resource		9-01V	ABC C	Oke 0246 m, AL 3520			2.0							Laboratory Resources & Solutions, Inc. (LRS A Laboratory Service Provider
Project Name: 001 Chr	Permit#:	ity		City/State collect Birmingham, Al P.O. #			E1000,0 / E1002.0	non-preserved)		1				
A Bourguod	al I may be the second		(Desire on I	ah Lagia Dat	a)	-	000	-uou				- 1 1		Maria de la companya del companya de la companya de la companya del companya de la companya de l
Collected by (signature):	RUSH? PI			ab Login Date	its Needed:		y E1							Laboratory:
Q Bayel Packed on loc? N_ Y_	Si	ame Day (2 lext Day (10 Two Day (5 Three Day (2	00%) 00%) 0%) 25%)			Number of Containers	Chronic Toxicity	(One 1-gallon HDPE,						Environmental Resource Analysts, Inc. 2975 Brown Court Auburn, AL 36830 Sample Remarks
Sample ID		Start Date	Start Time	7-18-18	End Time*	2	_	x	-	-	+		-	181561-010
							F							
				2.02 Day	new control				24.21					pH Temp
*Matrix: SS-Soil/Solid GW-Grou	ndwater WW-W	Vastewater	SW-Surface	Water DW-D	rinking Water	г от-	Othe	er (Desc	nbe)	_	Poinfal	l in Inches		FlowOther
Project Remarks: "End Date an Relinquished by:(Signature) Relinquished by:(Signature)	Date:	THING. F IF	300	TUES	nuts	nposi	San Ten		med via: Fed	Ex_UPS	_Other_			Condition (lab use only)
Relinquisted, by: (Signature) (A	7-18-18			(Signature) Luft ab by (Signature)	mot	+	Date	571	918	1	Time	10-5	$\overline{}$	pH Checked: NCF:
Client signature implies ac	+-17-1	1021	10	en	2/)		1	/ /	110					



Client LRS ABC COKE ACIPCO Sample # 1815/61-01

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking
A. Date & Time of Cooler Unpacking 7/19/18 / 1057 Receiving Analyst: DD/HF
B. Method of Delivery:
Fed Ex UPS USPS ERA Driver Client Drop Off Other
Tracking Number Present & Broken Present & Present &
C. Condition of Custody Seal upon arrival: Absent by ERA Driver sealed broken
2. Condition of Cooler Contents
A. Chain Of Custody Information: Completed Incomplete,
B. Cooling Process Solid Ice Le pack Dry Ice None Other
C. Packaging Materials: Bubble Wrap None Other:
D. Broken Bottles? No Yes If yes, which?
B. Temperature °C 42 Thermometer ID: Utah Time: 1115 Initials: AF
Reason for incorrect Beginning of Cooling process Ice melted
temp: (>6.0°C) Other
3. Sample Information and Verification
A. Sumple : tunious
Correct bottle types used for each sample? Yes No,
All samples arrived within holding time? Yes No,
B. Were all samples requiring preservation Yes No,
verified & marked on the Chain of Custody? Additional Preservative information
C. Samples with preservative Yes, no preservatives needed 1 Preservative Type:
have been checked and are in No, see preservative info the correct pH range?
Not applicable 3 pH Strip Lot #
D. Trip Blanks Absent Present N/A 4 Date/Time/Initials
4. Comments and Resolutions
A. Was a non-conformance form needed for any samples received in the cooler? Yes No
If yes, Date Started: Analyst:
B. Additional Comments:
S assigned @ receipt
5. Analyst Conformation
The information regarding cooler, chain of custody, and sample receipt is correct and verified by the analyst. If conditions are not met the appropriate actions were taken by the receiving analyst and/or the lab manager.
Date/Time 07.19.18 1120 Initial: QA/QC Review By:

Billing Information:			LRS Clie	nt Informa	ation:	-	-	Ana	llysis/Con	tainer/Pres	servative	1	Chain of Page	
LRS, Inc. P.O. Box 1260 205 6th Avenue Ashville, Alabama 3595	53		ABC C	oke									& Solutions, Inc. (L. A Laboratory Service Provi	ce: RS
(205) 594-1445 wgaston@lab-resource.	com		"Report to" C				5.0				11	H		
Project Name: 001 Chro		ity		City/State colle- Birmingham, A			/ E1002.0	non-preserved)			\mathbf{H}			ľ
Collected by: A Bourguad	Permit#: ALC			P.O.#	. 1		E1000.0	eud-uot						
Collected by (signature): Out Bayel Packed on Ice? NY_	Project RUSH? PI		y LRS 00%) 00%) 00%)	Lab Login Dat Date Resu	its Noeded:		Chronic Toxicity E1	1-gallon HDPE,					Laboratory: Environmental Resource Analysts, 2975 Brown Court Auburn, AL 36830	nc.
Sample ID	Comp/Grab			End Date* 7-20-18		1	_	O)	_			++-	Sample Remarks	-
														-
'Matrix: SS-Soil/Solid GW-Groun	ndwater WW-W	/astewater	SW-Surface	Water DW-D	Orinking Water	OT-	Othe	er (Describe)		Rain	fall in Inch	es	pH Temp Flow Other	
Project Remarks: *End Date and Relinquished by:(Signature) Relinquished by:(Signature)	Date: 7-20-18	Time: 10:34	Received by:	(Signature)	160	posit	Sam	ples returned vi	2/1/15	UPS_Othe			Condition (lab use only)	
Relinquished by: (Signature)	Dales	1420	Received for	lab by: (Signatu	rçe)		Date		119	Tir	ne:	00	pH Checked: NCF:	

.



Client ABC COLL

Sample #

ERA Cooler Receipt Form

. Date & Time of Cooler Unpacking	32018 1475 Receiving Analyst:
Method of Delivery:	V
Fed Ex UPS USPS	ERA Driver Client Drop Off Other
Tracking Number	Present & Broken Present & Present &
C. Condition of Custody Seal upon arrival:	Absent by ERA Driver sealed broken
. Condition of Cooler Contents	
Chain Of Custody Information:	Completed Incomplete,
3. Cooling Process Solid Ice	Ice pack Dry Ice None Other
C. Packaging Materials: Bubble Wrap	None Other:
D. Broken Bottles? No	Yes If yes, which?
E. Temperature °C Thermometer ID:	Tous Time: De Initials:
Reason for incorrect Frozen	Beginning of Cooling process
temp: (>6.0°C) Other	
3. Sample Information and Verification	
A. Sample Numbers match Chain of Custody?	Yes No. WA
크리트 - BLOTO - ''' (1987 - 1987 - 1987 - 1988 - 1987 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1988 - 1	Yes No,
Correct bottle types used for each sample?	Yes No,
All samples arrived within holding time?	
B. Were all samples requiring preservation verified & marked on the Chain of Custody?	Yes No,
### ##################################	Additional Preservative information vatives needed 1 Preservative Type:
the correct pH range?	
Not applicable	## 1 A CASA
D. Trip Blanks Absent Present	N/A 4 Date/Time/Initials
4. Comments and Resolutions	
A. Was a non-conformance form needed for any s	samples received in the cooler? Yes No
If yes, Date Started:	Analyst:
B. Additional Comments:	
Francisco Marie Constant	
5. Analyst Conformation	
5. Analysi Contormicion	ody, and sample receipt is correct and verified by the analyst. If

Q/A Rev'd By

7 DAY FATHEAD MINNOW TOXICITY TEST EPA METHOD 1000.0 SOP 610.4 24-48 hrs Age Of Organisms Randomization Board # 071618BU 7/17/18 13:00 Date/Time Start AB15-3/12 pH Meter/Probe 7/24/18 14:15 Date/Time Finish YSI 2/2 74 -164 DO Meter/Probe Test #: 773237-1 Thermometer ID **CONTROL** for Test Source: ABS Lot: 835 16 hrs Light / 8 Hrs Dark Photoperiod: Brine Shrimp Lot# 250 mLs Water Volume: Feed AM Analysis & Water Change Temp 'C OLD MHRW DO OLD pH OLD Test Dilution Lot Temp C NEW Feed PM Date/Time/Analyst Obs. DO NEW Day DHINEW 3 # Alive N/A N/A N/A N/A Start 15:15 N 24.6 07/17/2018 13:00 HA 8.6 7.54 3616 10 10 10 10 8:30 7.32 5.5 259 13:00 N 1 75.4 7-18-18 12:30 BU 7.42 8.6 3617 10 40 10 10 10 8:35 5.5 24.9 7.41 2 13:30 N 24.5 7-19-18 13:00 RR 9.0 7.64 3618 10 40 10 10 10 8:00 25.9 7.18 5.8 13:00 N 3 24.2 7-20-18 11:00 BU 7.61 8.6 3619 40 10 10 10 10 8:00 25.4 7.26 5.8 4 14:30 N 7.61 8.5 24.1 3619 07/21/2018 13:30 HA 10 10 40 10 10 9:00 4.9 25.2 7.24 5 14:00 8.3 24.9 07/22/2018 12:30 HA N 3620 40 10 10 10 10 9:15 24.2 6.2 7.37 24.8 14:30 N 6 7.47 9.7 7-23-18 11:45 BU 3621 39 10 10 9 10 No Water Change N/A 4.9 25.6 7.25 7 7/24/18 14:15 AF N N/A N/A N/A N/A N/A 39 10 10 10 4.9 24.1 Test Min 7.18 25.9 7.64 9.7 Test Max Comments: Observations Key: N = Normal ON = On Bottom N/A = Not Applicable CL = Clear/Colorless CLDY = Cloudy PRE = Precipitate OS = On Surface 1 = Living ERR = Erratic Swimming F = Film FC = Flared Carapace LETH= Lethargic 0 = Dead UM = Undissolved Material CO = Caught On SM= Small Environmental Resource Analysts, Inc. 2975 Brown Ct. Auburn, AL 36830 (334) 502-3444

		610.4			DAXI			TOXICITY	LEGI		EPA METHOD 10	00.0	
est#:	7	4 -164		Client:		A	BC Coke						
Sampl	le Type	eff											
	lution:	16											
Test						pH OLD	DO OLD	Temp 'C OLD	Feed AM	Sample#	Analysis & Water Change	1	
Day	1	2	3	4	# Alive	PHINEW	DO NEW	Temp 'C NEW	Feed PM	Used	Date/Time/Analyst	pH 100%	Obs
tart			1			N/A	N/A	N/A	N/A		74.0		
art	10	10	10	10	40	7.58	8.8	245	15:15	181558-01b	07/17/2018 13:05 HA	7.77	N
,	1					7,49	6.6	25.9	8:30	70.00			
1	10	10	10	10	40	7.27	8.5	24.9	13:00	181558-01b	7-18-18 12:35 BU	7.78	N
						7.66	5.9	24.9	8:35	10.07	Market Street		
2	10	10	10	10	40	7.62	9.3	25.2	13:30	181561-015	7-19-18 13:05 RR	7.76	N
	- 1					7.47	6,2	25.7	8:00			1.3	
3	10	10	10	10	40	7.85	9,0	24.6	13:00	181561-01b	7-20-18 11:05 BU	7.61	N
						7.40	5.3	25.4	8:00	J. T. C. L.			
4	10	10	10	10	40	7.65	8.5	24.1	14:30	181726-016	07/21/2018 13:35 HA	7.76	N
						7.33	4.8	25.1	9:00	5		1.75	
5	10	10	10	10	40	7.61	8.9	24.5	14:00	181726-01b	07/22/2018 12:35 HA	7.78	N
						7.52	6.0	24.4	9:15			-	
6	10	10	10	9	39	7.58	9.0	24,6	14:30	181726-016	7-23-18 11:50 BU	7.86	N
3.11						7.50	5.6	25.4	N/A	17.	No Water Change		
7	10	10	10	9	39	WA	N/A	N/A	N/A	N/A	7/24/18 14:20 AF	8.05	N
-					Test Min	7.27	4.8	24.1					
					Test Max	7.66	9.3	25.9					
Obser	rvations Key:	24.							Comm	ents:			
N	I/A = Not App I = Living 0 = Dead	g	ON = 0 $OS = 0$	Normal On Bottom On Surface = Lethargic		= Precipitate		= Cloudy	Œ	CL = Clear/Col			
	U = Dead			= Small	0	= Caught On	The second second second	ssolved Material					
						Environ	2975 Brown 6 Auburn, AL 36 (334) 502-34	Ct. 5830					

Q/A Rev'd By______

ID: DWDFM Revision:Original Effective: 03.05.2018

0.783

0.779

0.806

10

10

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL

	S	URVIVAL	AND GROW	TH TEST				
Test # Date/Time/Analyst In Oven: Temp C In:		74 -164 3 15:00 AF	Date/Time/Anal	Balance#:	2 7/25/18 15:00 RR 60.0			
Sample & Concentration	Replicate#	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)		
Blank	1	0.9919	0.9919	N/A	N/A	N/A		
No.	1	1.00680	1.01430	9	0.750			
12 JA 15	2	1.01103	1.01900	10	0.797			

1.03699

1.08010

1.02920

1.07204

3

QA'd by

Control

ID: DWDFM Revision:Original Effective: 03.05.2018

Test Number:

74 -164 Client:

ABC Coke

Sample & Co		Replicate#	Weight of Tin	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg
		1	1.00966	1.01709	10	0.743	
% Dilution:	16	2	1.02528	1.03270	10	0.742	
		3	0.98914	0.99699	10	0.785	
Sample Type:	effleunt	4	1.04967	1.05689	9	0.722	0.748
		1				0.000	
% Dilution:		2				0.000	
		3				0.000	
Sample Type:		4				0.000	0.000
Juniput Life		1				0.000	
% Dilution:		2				0.000	
-		3				0.000	
Sample Type:		4				0.000	0.000
		1				0.000	
% Dilution:		2				0.000	
		3				0.000	
Sample Type:		4				0.000	0.000
oumpie zj por		1				0.000	
% Dilution:		2	-			0.000	
		3	/			0.000	
Sample Type:		4			-	0.000	0.000

QA'd By

SOP 609.4

3 BROOD CERIODAPHNIA TOXICITY TEST

ID: CCDTOX Revision:1.0 EPA METHOD 1002-0-ficctive:06/06/2018

	Time St			2018 12:3 2018 11:5	_	Cest#	-10	74 -	164	pН	Meter	n Board #: /Probe /Probe	A	1618BU 315-3/12 (SI 2/2	Age Of	Test Organisms 0-4 Hrs		
Yes	ae Lot est Lot /ol Fed F	272 276 er Cup (g/L	s/mL Solids 130		0^7 860				The P	occorde.	eter ID riod:	16 hrs Lig	73237-1 tht / 8 Hrs Dark 20 mLs				
est Day	1	2	3	4	5	6	7	8	9	10	POTAL	pH OLD	DO OLD DO NEW	Temp 'C OLD	MHRW Dilution Lot	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
Start	1	1	1	1	1	l Z	1	1	1	1	10	N/A 7.54	N/A 8.6	N/A 24.6	3614	7-17-18 12:30 BU	16:00	N
1	1	1	1	1 或所謂	1	1	1	I		l L	10	7.58 7.42	7.8	25.8 25.4	3617	7-18-18 12:30 RR	16:30	N
2			學 次	感解	高利威						0	7.79 7.64	8.0 9.0	24.9 24.5	3618	7/19/2018 13:00 AF	16:30	N
3	1 3 Pend	1	1	1	l 4 Lene	I 3 les	I I l'en	1 3 1 1 mg	1 3 (Lend	1 47 1 end	10	7.37	7.9 	25.6 24.2	3619	07/20/2018 11:15 HA	16:30	N
4	1 四 類 秦旗	1 4 1 en	1	1 4 1	1 6 2 enc		1		1		10	7.49 7.61	7.9 8.5	25.1 24.1	3619	7/21/18 12:30 RR	15:00	N
5	1 2 and	1 7. 2 cm	1 2 2 en	1 7 2 ca	I d	1 6: 2 ch	1 8 2 en	1	1	5 2	10	7.51 7.56	8.1	25.2	3620	7/22/18 13:00 RR	16:00	N
6	13 3	1	1	1 編 編	1	1	1	1 1 2 en	1	1	10	7.75	8.3 9.7	24.7	3621	7/23/18 14:30 AF	17:00	N
7	1 1 3 end	1 13 3 en	1 16 .3	1 -15 ^{3 en}	1	1 34 350	1 0 15 3 a	14 3 m	1	1 14 3 cm	10	7.58 7.86	7.7 8.5	24.2	3622	7/24/18 14:00 HA	17:30	N
8	1		1 4 3 cm	Consequent of the	1 2 3 4	1		1	1 37 3 en	1	10	7.79 N/A	7.9 N/A 7.7	25.1 N/A 24.1	N/A Test Min	7/25/18 11:55 RR	N/A	N
Veonates Observati	24 ons Key:	24	25	26	20:	23	24	21	21	27	Comr	7.37 7.86 nents:	9.7	25.8	Test Max			
Num	ber Livir	g ON OS	Normal On Bo On Sur TH= Leth Small	rface	ER. UM PR.	R= Errati 1 = Undis E = Preci	ulate Matt c Swimm solved M pitate Carapace	ing aterial	F= CL	= Clear/C Film DY = Clo = Caugh	udy	s		Applicable End of Brood		AVERAGE # Neonates per F 23.5	emale	
of David	ORTHON TO STATE	grange -A	x						E	A	975 Br	ource Analysts own Ct. AL 36830 02-3444	s, Inc.					

Q/A Rev'd By

SOP 609.4

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

				-1/11		Clie	ent:			300	- r-A	BC Coke		- (C.)		Age of Test organisms:	0 - 4 Hrs	
Samp	est# ole Type: ilution:	=	74 eff 16															
5.7							7	8	9	10	TOTAL	pH OLD	DO OLD	Temp 'C OLD	Sample# Used	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
Test Day	1	2	3	4	5	6	1	1	1	10	2	N/A	N/A	N/A		Date a microaryst		000
Start	1		200 PM						100 50		10	7.58	8.8	24.5	181558-01b	7-17-18 12:35 BU	15:15	N
	Anterior design	260940 22220	1	T T	1	1	I	1	1	1	10	7.59	8.7	25.8	101000	Contract to a		116.5
1	源	總計劃	劉德		Z-100			Sales in		翻議	10	7.27	8.5	24:9	181558-01b	7-18-18 12:35 RR	16:00	N
150	1	1	1	1	1	1	I	1	1	1		7.90	7.8	24.9				
2	图 2	の変				据響	12 B			機器	10	7.62	9.3	25.2	181561-01b	7/19/2018 13:05 AF	16:30	N
-	1	1	1	1	1	1	1	1	1	1		7.56	7.8	25.6				
3	4 lend	2 1 2	3			她包			鹽麗	原	10	7.55	9.0	24.6	181561-01b	07/20/2018 11:20 HA	16:30	N
4	1	1	1	1	1	1	1	1	0	1		7.50	8.1	25.1				
*	經驗	2 2	建	響頭	3 100	5 Tend		3 1 m	1 100		9	7.65	8.5	24.1	181726-015	7/21/18 12:35 RR	15:00	N
5	1	1	1	1	1	1	1	1	0	1		7.59	8.3	25.2	3. 2			
-	5 2 cm	4 2 000	翻ळ	5 18		3 250	1		And the	5	9	7.61	8.9	24.5	181726-015	7/22/18 13:05 RR	16:00	N
6	1	1	1	1	1	1	1	1	O Transport	1		7.96	8.1	24.6	141201 012	52502035502	4-3-4	
	學學	關於		100	5 2 esc		5 2 end	-		12 2 cm	9	7.58	9.0	24.6	181726-01b	7/23/18 14:35 AF	17:00	N
7	2000000000	I TOTAL TOTAL MARKET	6 2 cm	1 7 2 end	1	1 2 3 car	1	I change Contin	0	1		7.64	7.7	24.4	F0100 C 011	7040074-05174	17:30	N
	15 3 eac		6			10000000000000000000000000000000000000	1	1	0	1	9			24.2	181726-01Ъ	7/24/18 14:05 HA	17:30	N
8	COMMITTEE STATES		12 3 m	360	1 3 cm	W 20 6 25	3,400	3 cox	Mary Team	3 3 en	4 9	7.87 N/A	7.0 N/A	24.2 N/A	N/A	7/25/18 12:00 RR	N/A	N
*********	24	24	21	23	20	21	21	23		24	9	7.27	7.7	24.1	Test Minimur		1971	
Neonates Observati		24	CI WIND	123	市にいちにから	1,2,	[[2] [[2]]			324		7.96	9.3	25.8	Test Maximu	m		
	one need	_									Comn	nents:						
		č.e.			-2.0											AVERAGE # Neonates per Fe	mola	
Nim	ber Livir	-	Normal = On Bo		4.7	= Particu R= Erratic			CI	= Clear/C	olorless		N/A = Not	Applicable		20.2	ittaic	
Nun	Livii		= On Sur			I = Undiss			2.7	Film	Joint Jean			End of Brood		1000		
Neon	ates Bro	od#LE	TH= Leth	argic		E = Precip				DY = Clo			-					
		ma SM	= Small		FC	= Flared (Carapace			= Caugh			W				_	
									1		2975 B Auburn	source Analys rown Ct. , AL 36830 502-3444	sts, Inc.					
			-	/		_		_			-							

	120115-11		La	rval Fish Growth and Survi	val Test-7 Day G	rowth
Start Date: End Date: Sample Date: Comments:	7/17/2018		Test ID: Lab ID:		Sample ID: Sample Type:	EFF EFF2-Industrial PP-Pimephales promelas
Conc-%	1	2	3	4		
Control	0.7500	0.7970	0.7790	0.8060		
eff	0.7430	0.7420	0.7850	0.7220		

		Tyder Til	ALC: N	Transforn	n: Untran	sformed		170,000	1-Tailed	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
Control	0.7830	1.0000	0.7830	0.7500	0.8060	3,154	4			
						3.542	4	1.933	1.943	0.0352

Auxillary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.95812		0.749		0.16637	-0.7385
F-Test indicates equal variances (p = 0.91)	1.15082		47.4672			1 1
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	0.03519	0.04495	0.00245	0.00066	0.10148	1, 6
Treatments vs Control						

570 745 03		Cerioda	phnia Sur	rvival and	Reprod	uction Tes	t-7 Day	Burvival		
		Test ID: Lab ID: Protocol:	74-164c ERA EPAF 94-1	U.S.		Sample ID: Sample Type:		EFF EFF2-Industrial CD-Ceriodaphnia dubia		
1	2	3	4	5	6	7	8	9	10	
1 1.0000 f 1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	7272222	1.0000	1.0000	1.0000 1.0000	
	stat analy 1 1 1.0000	stat analysis condu 1 2 1 1.0000 1.0000	7/17/2018 Test ID: Lab ID: Protocol: stat analysis conducted by JI 1 2 3 1 1.0000 1.0000 1.0000	7/17/2018 Test ID: 74-164c Lab ID: ERA Protocol: EPAF 94-I stat analysis conducted by JF 1 2 3 4 1 1.0000 1.0000 1.0000 1.0000	7/17/2018 Test ID: 74-164c Lab ID: ERA Protocol: EPAF 94-EPA/600/4 stat analysis conducted by JF 1 2 3 4 5 1 1.0000 1.0000 1.0000 1.0000 1.0000	7/17/2018 Test ID: 74-164c Lab ID: ERA Protocol: EPAF 94-EPA/600/4-91/002 stat analysis conducted by JF 1 2 3 4 5 6 1 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	7/17/2018 Test ID: 74-164c Sample ID: Lab ID: ERA Sample Ty Protocol: EPAF 94-EPA/600/4-91/002 Test Spec stat analysis conducted by JF 1 2 3 4 5 6 7 1 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	7/17/2018 Test ID: 74-164c Sample ID: Lab ID: ERA Sample Type: Protocol: EPAF 94-EPA/600/4-91/002 Test Species: stat analysis conducted by JF 1 2 3 4 5 6 7 8 1 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	Lab ID: ERA Sample Type: EFF2-Indu Protocol: EPAF 94-EPA/600/4-91/002 Test Species: CD-Ceriod stat analysis conducted by JF 1 2 3 4 5 6 7 8 9 1 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	

		10.00		Not			Fisher's	1-Tailed	
Conc-%	Mean	N-Mean	Resp	Resp	Total	N	Exact P	Critical	
Control	1.0000	1.0000	0	10	10	10	75000		
Eff	0.9000	0.9000	1	9	10	10	0.5000	0.0500	

Hypothesis Test (1-tail, 0.05)
Fisher's Exact Test indicates no significant differences
Treatments vs Control

Start Date: End Date: Sample Date:	7/17/2018			ERA	EPA/600/4	-91/002	Sample ID Sample Ty Test Spec	pe:	EFF EFF2-Indu CD-Cerioo	ıstrial Iaphnia dubia
Comments:	stat analy	sis condu	icted by Ji							
Conc-%	stat analy	sis condu 2	cted by Ji	4	5	6	7	8	9	10
	1	2 24.000	3 25.000	4 26.000	5 20.000	6 23.000	7 24.000	8 21.000	9 21.000	10 27.000

1000000	11111	The second		Transform: Untr		Intransformed		Rank	1-Tailed	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	
Control	23,500	1.0000	23.500	20.000	27.000	9.672	10		4 /1/20	
Eff	20.200	0.8596	20.200	1.000	24.000	34.203	10	85.00	82.00	

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01)	0.63169	0.868	-3.2075	12.2304
F-Test indicates unequal variances (p = 2.82E-03)	9.23871	6.54109		- 1979 V
Hypothesis Test (1-tail, 0.05)				
Wilcoxon Two-Sample Test indicates no significant differences				
Treatments vs Control				

ID: ToxBS Revision: Original Effective: 03.05.2018

Toxicity Benchsheet

A THE		
	ient:	
v.	TOHE.	

74 - ABC Coke

	CHURE		74-2	ADC COKE			
Sample	Sample #	Collection Date/Time	pH 100%/ Temperature(°C)	TRC mg/L	Analysis Date/Time/ Analyst	pH Meter/Probe	TRC Meter
#1	181558-01b	7/16/18 7:30	7.77/ 24.2	N/A	7/17/2018 12:00 BU	AB15-3/24	N/A
#2	181561-01b	7/18/18 7:30	7.76/24.6	N/A	7/19/18 12:37 AF	AB15-3/24	N/A
#3	181726-01b	7/20/18 7:30	7.79/ 24.9	N/A	7-20-18 14:57 BU	AB15-3/24	N/A

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: 18 08 01 | To: 18 08 31 MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.51	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
РН	Sample Measurement	****	****	****	6.78	****	7.06	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	7.27	22.56		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****	*****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.01	1.34	. 26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	7.17	21.93	. 26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.926	1.175	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****	90-90-90-90-90-		2X Monthly	Grab

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	09/25/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 08 01 | To: | 18 08 31 | MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	0.59	0.59		****	****	****	*****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.31	0.31	26	****	****	****	*****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly	10 maximum daily	lbs/day	****	****	****			Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	16 16 16 16	****	*****		Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B	26	****	****	****	*****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.28940	0.32673	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	renort monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.016	0.020	26	****	****	****	*****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****	70 10 10 10 10		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	09/25/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0011**

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 18 08 31 18 08 01 From:

MAJOR

Jefferson **COUNTY:** PROGRAM:

Industrial *** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	ion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	5300		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	5.92	6.60	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	09/25/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 **MONITORING POINT: 0021**

MONITORING PERIOD: YY | MM | DD YY | MM | DD To: 18 08 31 From: 18 08 01

MAJOR

Jefferson **COUNTY: PROGRAM:** Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	ality or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
РН	Sample Measurement	****	****		6.80	****	6.87	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	10.67	18.00	19	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	35 monthly average	70 maximum daily	mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	*B	*B	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	7.63	9.77	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	*****	****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.68	0.69	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.44	0.52	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	09/25/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****	****		Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.455	1.830	03	****	****	****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	09/25/2018

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING 0011

POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246
Abc Coke Div Drummond Co Inc

Abc Coke Div Drummond Co Inc 900 Huntsville Avenue

Monitoring Period: 2018-08-01To: 2018-08-31

NO DISCHARGE FROM SITE:

1)

Parameter		Quantity of	r Loading	Units	Quality	or Conc	entration	Units	No. Ex.	Frequency of Analy	sisSample Type
DXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.51	*****	*****		0	Weekly	Grab
ARAM CODE: 00300 stage Code: 1 final Effluent	Permit Requirement	****	*****		6.0 Minimum Daily	*****	****	19 mg/l	ď	Weekly	Grab
Н	Sample Measurement	*****	*****		6.78	*****	7.06		0	Daily	Grab
ARAM CODE: 00400 tage Code; 1	Permit Requirement	****	*****		6.0 Minimum Daily	****	9,0 Maximum Daily	12 S.U.		Daily	Grab
OLIDS, TOTAL SUSPENDED	Sample Measurement	7,27	22,56		*****	*****	*****		0	Weekly	Composite
ARAM CODE: 00530 tage Code: 1	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00556 tage Code: 1 inal Effluent	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
ITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	1.01	1.34	1,71	*****	****	*****		0	Weekly	Composite
ARAM CODE: 00610 tage Code: 1 inal Effluent	Permit Requirement	33,0 Monthly Average	49,5 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
ITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	7.17	21.93		*****	*****	*****		0	Weekly	Composite
ARAM CODE: 00625 stage Code: 1	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 Ibs/day	*****	****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.926	1.175		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 00720 tage Code: 1 inal Effluent	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily	26 lbs/day	*****	*****	****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	IGNIFICANT PENALTIES FOR SI SEE HUUS.C. § 1001 AND 33 U.S.C.	D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	ESPONSIBLE ETE. I AM A JITY OF FINE	FOR OBTAINING THE WARE THAT THERE ARE AND IMPRISONMENT	Om	ture of Principal Exec icer Or Authorized Ap			Telephone No	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 1

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING Birmingham, AL35202-0246 POINT:

COUNTY: 0011

Jefferson

FACILITY: LOCATION: Abc Coke Div Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2018-08-01To: 2018-08-31

NO DISCHARGE FROM SITE:

()

Parameter		Quantity of	r Loading	Units	Qua	lity or Concent	ration	Units	No. Ex.	Frequency of Analysis	Sample Type
RON, TOTAL (AS FE)	Sample Measurement	0.59	0,59	151	*****	*****	*****		0	Monthly	Composite
ARAM CODE: 01045 tage Code: 1 inal Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 Ibs/day	*****	****	*****			Monthly	Composite
IANGANESE, TOTAL (AS MN)	Sample Measurement	0.31	0,31		*****	*****	*****		0	Monthly	Composite
ARAM CODE: 01055 tage Code: 1 inal Effluent	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	*****	****	*****			Monthly	Composite
ENZO(A)PYRENE	Sample Measurement	*B	*B		*****	****	*****		0	Weekly	Composite
ARAM CODE: 34247 lage Code: 1	Permit Requirement	0.0012 Monthly Average	0 0024 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
IAPHTHALENE	Sample Measurement	*B	*B		*****	*****	****		0	Monthly	Grab
ARAM CODE: 34696 tage Code: 1 inal Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 lbs/day	*****	****	*****			Monthly	Grab
HENOLS	Sample Measurement	*B	*B	17.4	*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily	26 lbs/day	*****	****	*****			2X Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	0.28940	0.32673	1.4	*****	*****	*****		0	Daily	Calculated
ARAM CODE: 50050 tage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	****	*****			Daily	Calculated
YANIDE, FREE AVAILABLE	Sample Measurement	0.016	0.020		*****	*****	*****		0	2X Monthly	Grab
ARAM CODE: 51173 tage Code: 1 inal Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily	26 lbs/day	*****	*****	*****		Ĩ,	2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE INFORMATION. I BELIEVE THE 8 SIZE 18 U.S.C. § 1001 AND 33 U.S.C Penalties under these statutes may in	D ON MY INQUIRY OF THOSE II SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMAT C \$1319	NDIVIDUALS IMMEDIATELY I FRUE, ACCURATE AND COMP ION, INCLUDING THE POSSIBI	LETE, I AM AW LITY OF FINE	FOR OBTAINING T ARE THAT THER AND IMPRISONME	THE Officer	of Principal Exe Or Authorized A			Telephone No I	Date (MM/DD/Y

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

0011

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY: LOCATION:

Birmingham, AL35202-0246

Abe Coke Div Drummond Co Inc 900 Huntsville Avenue

Monitoring Period: 2018-08-01 To: 2018-08-31

NO DISCHARGE FROM SITE:

()

Parameter		Quantity o	r Loading	Units	Qua	ality or Concent	ration	Units No. Ex.	Frequency Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	9A	*****	*****	*****	0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	****	****	*****		Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	*****	****	*****	σ	Monthly	Grab
PARAM CODE: 61428 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum Daily	pass(0)/fail (1)	*****	*****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	5300	26	*****	****	*****	Q	Monthly	Composit
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	lbs/day	*****	4****	*****		Monthly	Composit
BOD, CARBONACEOUS 05 DAY 20C	Sample Measurement	5.92	6,60	26	*****	*****	*****	0	Weekly	Composit
PARAM CODE: 80082 Stage Code: 1 Final Effluent	Permit Requirement	56 Monthly Average	84 Maximum Daily	lbs/day	*****	*****	*****		Weekly	Composit
Officer Or Authorized Agent	UBMITTED HEREIN AND BASI NFORMATION I BELIEVE THE IGNIFICANT PENALTIES FOR S IEE IS U.S.C. § 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ED ON MY INQUIRY OF THOSE I SUBMITTED INFORMATION IS SUBMITTING FALSE INFORMAT IC. § 1319 relude fines up to \$10.000 and or me	NDIVIDUALS IMMEDIATELY F IRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	ESPONSIBLE FOR OB ETE. I AM AWARE TI LITY OF FINE AND IM	TAINING THE HAT THERE ARE		incipal Executive (thorized Agent	Teley	phone No	Date (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

0021

MAILING ADDRESS:P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

Monitoring Period: 2018-08-01 To: 2018-08-31

NO DISCHARGE FROM SITE:

Parameter		Quantity of	r Loading	Units	Qua	ality or Concentr	ation	Units	No. Ex.	Frequency of Analysis	Sample Ty
PH	Sample Measurement	****	****		6,80	*****	6.87	7	0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8,5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	10.67	18.00	117	0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Sinal Effluent	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	7,63	9.77		*****	*****	*****		0	Weekly	Grab
ARAM CODE: 00610 stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****	M	0	Monthly	Grab
ARAM CODE: 00720 tage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	*****	****			Monthly .	Grab
RON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.68	0.69		0	2X Monthly	Grab
PARAM CODE: 01045 Singe Code: 1 Final Effluent	Permit Requirement	****	****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		****	0.44	0.52	110	0	2X Monthly	Grab
ARAM CODE: 01055 tage Code: 1	Permit Requirement	*****	****		*****	2.0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREIN AND BASE NFORMATION, I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE 18 U.S.C. § 1001 AND 33 U.S.C Penallies under these statutes may in	D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI 2, §1319	NDIVIDUALS IMMEDIATELY R TRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL	ESPONSIBLE ETE. I AM A LITY OF FIN	FOR OBTAINING TO WARE THAT THERE AND IMPRISONME	ARE Officer Or	Principal Executive Authorized Agent		Telo	ephone No Date	(MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc.

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

POINT:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION:

MONITORING 0021

COUNTY:

Jefferson

FACILITY:

900 Huntsville Avenue

Monitoring Period: 2018-08-01 To: 2018-08-31

NO DISCHARGE FROM SITE:

Parameter		Quantity o	r Loading	Units	Qual	lity or Concent	ration	Units	No. Ex.	Frequency of Analy	sisSample Type
BENZENE	Sample Measurement	****	*B	1 5	*****	****	*****		0	Monthly	Grab
PARAM CODE: 34030 Stage Code: I Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	****	*****			Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	*****	*B	1 5 1	*****	*****	*****		0	Monthly	Grab
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		*****	*****	*****		0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	****	*****			Monthly	Grab
PHENOLS	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
ARAM CODE: 46000 stage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	1.455	1.830		*****	*****	*****		0	Daily	Calculated
ARAM CODE: 50050 stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	****	****	****			Daily	Calculated
Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASE INFORMATION I BELIEVE THE S SIGNIFICANT PENALTIES FOR S SEE 18 U.S.C. § 1001 AND 33 U.S.C. Penalties under these statutes may in	D ON MY INQUIRY OF THOSE IS SUBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI C (1319)	NDIVIDUALS IMMEDIATELY F TRUE, ACCURATE AND COMPI ION, INCLUDING THE POSSIBI	RESPONSIBLE F LETE, LAM AW LITY OF FINE	OR OBTAINING T ARE THAT THERI AND IMPRISONME	HE Officer	of Principal Exec Or Authorized Ap			Telephone No	Date (MM/DD/Y



LRS, Inc.

Laboratory Resources & Solutions, Inc.
P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
(205) 594-1445
www.lab-resource.com

Analytical Data Report

Client: ABC Coke

P.O. Box 10246

Birmingham, AL 35202

Attention: Mr. David Vance

Project ID: 001 Chronic Toxicity - August 2018

Date: September 13, 2018

Data Reviewed by:

Hayne J. Daston

Wayne Gaston Project Manager

Laboratory Resources & Solutions, Inc. (LRS)

wgaston@lab-resource.com

* Unless otherwise noted, all analyses on this report performed at Environmental Resource Analysts, Inc. (ERA), 2975 Brown Court, Auburn, AL 36830.

- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT TOXICITY TEST REPORT SUMMARY

1. GENERAL:	
NPDES PERMIT NO.: AL0003417 DSN: 001 COUNTY: Jefferson	
Permittee: ABC Coke, Inc.	
Facility Name: ABC Coke, Inc.	2.00
Adent Submitting Report, . Mr. Serr McCord	Lab
Conducting Toxicity Test(s): ERA, 2975 Brown Court, Auburn, AL 36830	
Months To Test: Monthly	
This Report for Toxicity Test(s) Required for the Month of: Aug	
Scheduled Test(s): Yes X No Accelerated Test(s): Yes	No X
Accelerated Test Number of For Failed Scheduled Test Date:	
Test Type Required: 48 -Hr Acute Screening:Hr Acute Definit	ive:
Short-term Chronic Screening: X Short-term Chronic Definitive:	
Test Organism: Ceriodaphnia dubia Test Organism: Pimephales prome	las
Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended	
No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM	I Valid
1 1 8/07/18 13:30 8/15/18 11:30 Yes 8/07/18 13:45 8/14/18 11:45	
1 1 0/0//10 15:50 0/15/20 11:00 100	
2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	
Z.A. SONWARI OF RESOURCE FOR ESSENTIAL TEST Number	1
101	1)
11650 1121 127	epr Grow
1019:1 0010 1 0017:1 1017:1 1017:1 1017:1 1017:1 1017:1 1017:1	A N/A
12.0.1	
C.d. 16% PASS PASS N/A N/A N/A N/A N/A N/A N/A N/A N/A	N I MAN I
3. LABORATORY ANALYSES OF UNDILUTED SAMPLES(S):	
The state of the s	activity
Id. mg/l mg/l mg/l su mg/l mg/l mg/l uS	
	350
	750
3 <0.200 7.6 221 20.4 NA 3,4	430
Chemical Analyses Performed By (Lab): ERA Total 24 Hour Flow: (1) 0.312 MGD (2) 0.318 MGD (3) 0.299 MGD I certify under panalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system of that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and consider that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	esigned to assur
SIGNATURE OF RESPONSIBLE OFFICIAL: DATE:	

1	SAMPLE	COLLECTION	•

Split Samples: N/A X Yes ___(Explain)

Samples Collected as Specified in the NPDES Permit: Yes X No (Explain)

Receiving Water: Five Mile Creek Design Flow: 0.406 (MGD)

Sample	1	Samo	ole(s)	C	collected	4	Arrival	-1	Used in	Test(s)	
Id.	1	MM/DD/XX					Temp.°C.	-1	MM/DD/YY -	MM/DD/YY	_1
1		8/05/18	-		8/06/18	0730	3.5	- 1	8/07/18 -	8/08/18	-01
2		8/07/18			8/08/18	0730	6.0	-1	8/09/18 -	8/10/18	
3		8/09/18		-	8/10/18	0730	3.3	1	8/11/18 -	8/13/18	

	ע/עני	Prepared	1	Begin Use	-		I	nitial	Water	Ch	nemistries			1
Type	1	MM/DD/YY	1	MM/DD/YY	1	Hard.	1	Alk.	l pH		Cond.	@	°C.	1
MHRW	-	7/30/18		8/07/18	1	88	1	59	1 7.	6	1 302	0	25	_1
MHRW	1	7/30/18		8/09/18	-1	100	-1	59	1 7.	5	1 299	6	25	_1
MHRW		8/07/18		8/11/18	-	92	-1	61	1 7.	6	1 289	6	25	
MHRW		8/07/18		8/13/18	- 1	100	1	59	1 7.	6	301	6	25	1

6. TOXICITY TEST INFORMATION:

Test	1 Ora	anism		Organism		1	Test	Solution	Conc	entrations	(8)	1
Species	-	ge I		Source		1						1
P.p.	1 1-2	daysi	Florida	Bioassay	Supply	1	16%	11_			1	
C.d.	10-5		ERA			1	16%	1 1			1	

Test Species	Test Vessel	Vessel Vol.(mL)	Solution Vol.(mL)	1	Org./Test Vessel	1	Replicates Per Conc.
P.p.	plastic beaker	1 500	250	1	10	1	2
C.d.	plastic beaker	25	20	1	5	1	4

	Test Species	Temp. Range	D.O. Range (mg/L)	1	pH Range (su)	Light Intensity Average (ftc.)	1
	P.p. I	24.0 - 25.9	6.4 - 9.3	-1-	7.2 -8.0	1 75	1
-	C.d.	24.0 - 25.9	7.8 - 9.3	1	7.0 -8.0	75	1

7. FEEDING:

Fed Daily: X Fed Irregular: ___(Explain in Comments Below) Not Fed: ___ Brine Shrimp: Fed 0.15 g Suspension of Newly Hatched Larvae 2 Times Daily. YCT: Fed 0.130 mL Suspension Containing 1.83 g/L TS Daily. Algae: Fed 0.130 mL Suspension Containing 3.0 x 107 Algal Cells/mL Daily. COMMENTS:

FACILITY	NAME: ABC Coke	NPDES #: A	AL0003417 DSN: 001 DATE: 08/0	7/18
8. REFER	ENCE TOXICANT TEST	S:	the base of the same of the sa	200000000000000000000000000000000000000
TOXICANT	: Sodium Chloride	SOURCE: Fishe	er Scientific CAS#:	7647-14-5
Solution	Concentration Uni	t: mg/L g/L _	X % Other(specify)	
Chronic:				
	Test Date	Control Refe	rence Test Solution Concentra	tions
	MM/DD - MM/DD	Water	(Control to Highest Conc.)	
P.p.	8/21/18-8/28/18	MHRW 0 2.0		
	8/21/18-8/28/18		1 1.0 1.5 2.0 2.5	1
Test				NUMBER
Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit	1 (N) 1
	Survival	4.0	2.0 - 4.0	1 20 1
P.p.	Growth	2.0	1 2.0 - 4.0	1 20 1
C.d.	Survival	1.5	0.5 - 1.5	1 20 1
C.d.	Reproduction on File With ADEN	1.0	0.25- 1.0	1 20 1
9.B. Tes	st Solution Manipu	Lations or Test Modif	ications:	
Atta	JIRED REPORT ATTAC			
Tests,	Sheets) Pertaining Include Suspended	To Physical, Chemica	deference Toxicant Tests, And I., And Biological Measurement continued Toxicity Tests Data (Freshwater):	ts For All

FACILITY NAME: ABC Coke N	PDES #: AL0003417 DS	N: 001 DATE: 08/07/18
REPRODUCTION (Average Neonates/Female) CHRONIC TOXICITY INDICATED: YES NO CONTROL: 17.0	X CESSARY:X : (Parametri	
MORTALITY CHRONIC TOXICITY INDICATED: YES NOT CONTROL(%) 24h 100 48h 100 7day 9. NO MORTALITY STATISTICAL ANALYSIS NECE. Normally Distributed: Yes X No Test Statistic: 0.903 Critical Value Equal Variance: X Unequal Variance: F Statistic: 3.67 Critical F: 47.5 / Test Statistic: 1.733 / Test Critical Sample Rank Sum: #Reps.: C	EFFLUENT(%): 24h _ SSARY: 0.749 (Parametri	c)
GROWTH - Mean Dry Weight (mg) CHRONIC TOXICITY INDICATED: YES NOT CONTROL: 0.631 mg EFFLUENT: 0.676 m NO GROWTH STATISTICAL ANALYSIS NECESSAR Normally Distributed: Yes No Test Statistic: Critical Value Equal Variance: Unequal Variance: F Statistic: Critical F: 1 Test Statistic: 1 Test Critical F: 1 Test Critical Fample Rank Sum: #Reps.: 0	g RY:X : (Parametri	
COMMENTS:		- Sent Manager and Co.

illing Information:	4		LRS Clie	nt Inform	ation:				Analysis	/Container	Preserv	ative	Chain of Custod Page 1 of			
.RS, Inc. D.O. Box 1260 05 6th Avenue Shville, Alabama 359 205) 594-1445 gaston@lab-resource		3	ABC C P.O. Box 1 Birminghal	10246 m, AL 3520 GOOD	02 310	3	2.0						& Solution	ry Resources ns, Inc. (LRS) Service Provider		
roject Name: 001 Chr	onic Toxic	ity		City/State colle			9	rved)								
A Bourguard	Permit#: ALC	0003417		Birmingham, A P.O. #	labama		0.0	non-preserved)								
Directed by (signature): 2 Sasyel	Project RUSH? P		y LRS	ab Login Da Date Resu	its) Jits Needed:	alners	Chronic Toxicity E1000.0 / E1002.0	1-gallon HDPE, non	1		4			cource Analysts, Inc.		
acked on Ice? NY		lext Day (10 Two Day (56 hree Day (2	0%)			Number of Containers	ronic Tp	(One 1-gallor					2975 Brown Court Auburn, AL 36830			
Sample ID		Start Date		End Date*	End Time*	1	-	x e	215				Sam	ple Remarks		
-	11272															
Matrix: SS-Soil/Solid GW-Grou										_		G to die	pH	Temp		
eroject Remarks: *End Date ar	Date:	Time:	Respived by:	Signature	Lin	npos	Sam	ples return		Ex_UPS_	Other	In Inches	Condition	(lab use only)		
Refinquished by:(Signature)	Date:	1700	Received by:	Boul	lex		Tem	p:	3.5			Received;	11.05	N/CE.		
Relinquished by/Gignature)	Date:	Time: 04	- Resolved for	ab by: (Signatu	ire)		Qate	2007			Time:	W	pH Checked:	NCF:		

Client LRS	Sample # LCD359-241
ERA LAB ERA Cooler Receipt For	rm. osonis
1. Condition of Cooler Upon Unpacking	. PP
A. Date & Time of Cooler Unpacking 3-7-18/11.04	Receiving Analyst: BU/BS
Tracking Number Present	& Broken Present & Present & A Driver sealed broken
	mplete,
B. Cooling Process Solid Ice Lice pack Dr	y Ice None Other
	ther:
. PO CONCORDE NO CONTROL (CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONT	which?
B. Temperature °C 3.5 Thermometer ID: Towa Time:	11:04 Initials: BU
Reason for incorrect Frozen Beginning of Coolin temp: (>6.0°C) Other	g process Le melted
3. Sample Information and Verification	
C. Samples with preservative have been checked and are in the correct pH range? Yes, no preservatives needed 1 Preservative info 2 Preservative info 3 pH St	ional Preservative information ative Type: rative Lot # trip Lot # ime/Initials oler? Yes No
B. Additional Comments:	
5. Analyst Conformation	and Wiffed With analyst 16 annitions
The information regarding cooler, chain of custody, and sample receipt is correct are not met the appropriate actions were taken by the receiving analy Date/Time 6-7-18/11:04 Initial: 80 QA/QC	yst and/or the lab manager. C Review By:

Billing Information:			LRS Clie	nt Inform	ation:			Ana	lysis/Co	ntainer/F	Preserv	ative	-	Chain of Custod Page 1 of		
LRS, Inc. P.O. Box 1260 205 6th Avenue Ashville, Alabama 3595 205) 594-1445 avgaston@lab-resource			ABC (P.O. Box 1) Birmingha	gham, AL 35202			2.0							Laboratory Resources & Solutions, Inc. (LRS) A Laboratory Service Provider		
Project Name: 001 Chro	onic Toxic			City/State colle Birmingham, A P.O.#			1000.0 / E1002.0					11				
A Sourgeard	Permit#: AL	Service Control		12.7			E1000.0									
Collected by (signature):	RUSH? P		00%) 00%) 0%)		te) alts Needed:	Number of Containers	nic Toxicity E	I company						Laboratory: Environmental Resource Analysts, Inc. 2975 Brown Court Aubum, AL 36830		
Packed on ice? NY Sample ID			Start Time	End Date*	End Time*	Numb	Chro							Sample Remarks		
001 Discharge	Comp.	8718	0330	8-8-8	0736	1	X							16225606		
														The state of the s		
Matrix: SS-Soil/Solid GW-Groun									-	- R	ainfall it	n Inches _		pH Temp Flow Other		
Relinquished by (Signature) Relinquished by (Signature)	Date; Date;	Time:	Received by:	Signature) (Signature)	mid)	Samples	returned vis				Received:		Condition (lab use only) On ice		
Relinquished by/(Signature)	8/8/18	1700:45		igib by: (Signatu	vards	,	Date:	6.00	18		Time:	1045	-	pH Checked: NCF;		

	e aloga	Clie
400	ERA LAB	
. Co	ndition of Coole	r Upon U
١.	Date & Time o	f Cooler
3. M	ethod of Delivery	1

Client LB5

Sample # 18275

ERA Cooler Receipt Form

. Date & Time of Cooler Unpacking	8.9.18/10:45	Receiving	Analyst: BU
Method of Delivery: Fed Ex UPS USPS Tracking Number Condition of Custody Seal upon arrival; Condition of Cooler Contents	ERA Driver	Client Drop Off Present & Broken by ERA Driver	OtherPresent &Present &broken
. Chain Of Custody Information:	Completed	Incomplete,	
. Cooling Process Solid Ice	Ice pack	Dry Ice	None Other
. Packaging Materials: Dubble Wrap	None	Other:	
. Broken Bottles? No	Yes	If yes, which?	
. Temperature °C 3.6 Thermometer	ID: Jowa	Time: 10'.45	Initials: BO
Reason for incorrect Frozen temp: (>6.0°C) Other	Beginning o	of Cooling process	Ice melted
. Sample Information and Verification			-
	Yes Yes Yes Servatives needed 1 servative info 2	No, No, No, No, Additional Preserve Type: Preservative Lot# pH Strip Lot# Date/Time/Initials	
A. Was a non-conformance form needed for a If yes, Date Started: 3. Additional Comments:		n the cooler?	Yes No
5. Analyst Conformation			

W Informations		LRS Client Information:					Analysis/Container/Preservative						Chain of Custon Page 1 of		
Billing Information: LRS, Inc. P.O. Box 1260 205 6th Avenue Ashville, Alabama 35953 (205) 594-1445 wgaston@lab-resource.com Project Name: 001 Chronic Toxicity Collected by: A Source Permit*: AL000341			ABC Coke P.O. Box 10246 Birmingham, AL 35202 "Report to" Contact: Mr. David Vance City/State collected: Birmingham, Alebama				1000,0 / E1002.0	non-preserved)						& Solution	ry Resources ns, Inc. (LRS) Service Provider
	RUSH? Please Notify LF Same Day (200%) Next Day (100%) Two Day (50%) Three Day (25%)		y LRS 00%) 00%) 00%)	Date Results Needed:		Number of Containers	Chronic Toxicity E1000.0 / E1002.0	(One 1-gallon HDPE, non-preserved)	One 1-gailoi i i i i					Laboratory: Environmental Resource Analysts, Inc. 2975 Brown Court Aubum, AL 36830 Sample Remarks	
Sample ID 001 Discharge		Start Date	Start Time	8-10-18	2730	1	_	x						102	313-06
Matrix: SS-Soil/Solid GW-Gro roject Remarks: *End Date a colleguished by:(Slongsture)	undwater WW-V	Time:	Received by:	(Signature)	Drinking Wate	mpos	site Sa	ample ples ret	umed via; FedE	x_UPS_	Other	n Inches _		PHFlowCondition	Temp Other(lab use only)
Relinguished by:(Signature) Relinguished by:(Signature)	7 8/10/14	3 3:30	Roceived by:	actor fairby (Signature)				23.3°C DOUB/C3 Time yed online at www.lab-resource.com					pH Checked:	NCF:	



Client LRS

Sample #

ERA Cooler Receipt Form

. Condition of Cooler Upon Unpacking	OSIDIS / 1430 Receiving Analyst: 145
Date & Time of Cooler Unpacking	08 10 18 / 1430 Receiving Analyst: 1430
. Method of Delivery: Fed Ex	ERA Driver Client Drop Off Other Present & Broken Present & Present &
Condition of Custody Seal upon arrival:	Absent by ERA Driver sealed oroken
. Condition of Cooler Contents	[7]
. Chain Of Custody Information:	Completed Incomplete,
3. Cooling Process Solid Ice	Lice pack H Bij ice L
C. Packaging Materials: Bubble Wrap	None Other:
D. Broken Bottles? No	Yes If yes, which?
E. Temperature °C 3.3 Thermometer I	D: Fluc Time: 135 Initials: D
Reason for incorrect Frozen	Beginning of Cooling process
temp: (>6.0°C) Other	
3. Sample Information and Verification	Tyes V No, Labelstobe made
70 - 1 7 7 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1	Yes No, Yes No, Yes No, Additional Preservative information 1 Preservative Type: 2 Preservative Lot # ble 3 pH Strip Lot # N/A 4 Date/Time/Initials
If yes, Date Started:	Analyst:
5. Analyst Conformation	1 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
The information regarding cooler, chain of custod are not met the appropriate actions we Date/Time	y, and sample receipt is correct and verified by the analyst. If condition were taken by the receiving analyst and/or the lab manager. QA/QC Review By:

SOP 610.4		7 DAY FATHEAD MINNOW TOXICITY TI												
Date/Time Start Date/Time Finish Test #: Source: ABS Lot: 838 Brine Shrimp Lot # 30		8/7/18	13:45	Randomization Board # pH Meter/Probe DO Meter/Probe				A	sms 24-48	24-48 hrs				
						AB	15-3/12							
		1 7	4 - 165			Y	SI 2/2							
		CONTRO	L for Test	Thermo	meter ID									
				Photoperiod:										
				Water	Volume:	25	0 mLs							
					pH OLD	DO OLD	Temp 'C OLD	MHRW	Feed AM	Analysis & Water Change	11.			
1	2	3	4	# Alive	DEL NOW	DO NOW	Temp C'NEW	Dilution Lot	Feed PM	Date/Time/Analyst	Obs.			
					N/A	N/A	N/A		N/A					
10	10	10	10	40	7,5	9.6	24.8	3632	14:35	08/07/18 13:45 HA	N			
1				7.7	7.2	25,0		8:20						
			40	75	4.5	24.1	3632	16:45	8/8/18 12:00 RR	N				
10	- 1	- 12			7.5	7.3	24.8		8:15					
10	10	10	10	40	7.8	8.6	2416	3633	15:00	8/9/18 14:00 AF	N			
10			- 10		7.5	7.0	25.7		8:02					
10	10	10	10	40			24.7	3633	12:15	8/10/18 11:45 HA	N			
10	10						25.9		9:20					
10	10	10		39		87	24.e	3636	14:00	8/11/18 13:10 HA	N			
10	10	10	-						9:00					
10	10	10		30				3636	17:00	8/12/18 12:00 RR	N			
10 10	10							9:10						
10	10		0	38			25.1	3637	15:45	8/13/18 14:45 AF	N			
10 10	-		30			24.2		N/A	No Water Change					
10	10		0	38		A CONTRACTOR OF THE PARTY		N/A		8-14-18 11:45 BU	N			
10	10	,												
								1						
	. 1			T COL TAXAN	7.0	0.0	7505	Comments:						
rvations Acy		N=1	Vormal											
N/A = Not Ap	plicable	3.		-					X 32 3 1					
1 = Living 0 = Dead		OS = On Surface LETH= Lethargic						CL = Clear/Colorless ERR = Erratic Swimming						
		2W=	Sman											
					29	75 Brown Ct.	acy kinc.							
	11													
	1/	_			(3.	34) 302-3444								
	Date/Time S Date/Time S Test #: ce: ABS srimp Lot # 10 10 10 10 10 10 10 10 10 1	Date/Time Start Date/Time Finish Test #: ce: ABS	Date/Time Start 8/7/18 Date/Time Finish 8/14/18 Test #: 7 Ce: ABS Lot: 838 CONTRO Contimp Lot # 30 1	Date/Time Start B/7/18 13:45 B/14/18 11:45 Test #:	Date/Time Start 8/7/18 13:45 Randomiza Ph Met Test #: DO Me Photo Water	Date/Time Start St7/18 13:45 Randomization Board # pH Meter/Probe DO Meter/Probe	Date/Time Start B/7/18 13:45 Randomization Board # 080	Date/Time Start Boate/Time Finish St/14/18 11:45 PH Meter/Probe AB15-3/12	Date/Time Start Strite S	Date/Time Start Bate/Time Start Bate/Time Finish Bate/Time Finish Bate/Time Finish Bate/Time Finish Bate/Time Finish Bate/Time Finish Test #:	Date/Time Start			

		P 610.4			DAYF	ATHEAD	MINNOW	TOXICITY	TEST		EPA METHOD 10	00.0	
Test#:		74 -165		Client:		A	BC Coke						
	le Type lution:	effluent 16						14			200-21)		
Test Day	1	2	3	4	# Alive	pH OLD	DO OLD	Temp C NEW	Feed AM Feed PM	Sample# Used	Analysis & Water Change Date/Time/Analyst	pH 100%	Obs.
Start	10	10	10	10	40	N/A	N/A	N/A 24 u	N/A 14:35	182247-01b	08/07/18 13:50 HA	7.7	N
1	10	10	10	10	40	7.7	7.7	25.0	8:20 16:45	182247-01b	8/8/18 12:05 RR	7.7	N
2	10	10	10	10	40	7.6 7.3	6,9 9,3	24.8 25.8	8:15 15:00	182258-01b	8/9/18 14:05 AF	7.7	N
3	10	10	10	10	40	7.6 # 7	6.7 9.3	25.7 74.7	8:02 12:15	182258-01b	8/10/18 11:50 HA	7.7	N
4	10	10	9	10	39	7.5	7.3 8.8	25.9 7 24.0	9:20 14:00	182393-01b	8/11/18 13:15 HA	7.7	N
5	10	10	8	7	35	7.6 7.9	7.4 8.2	25.1 24.3	9:00 17:00	182393-01b	8/12/18 12:05 RR	7.7	N
6	10	9	8	. 7	34	7.5	6.4 9.0	25.6 25.0	9:10 15:45	182393-01b	8/13/18 14:50 AF	7.8	N
7	10	8	8	7	33	7.2 N/A	6.6 N/A	24.4 N/A	N/A N/A	N/A	No Water Change 8-14-18 11:50 BU	7.9	N
					Test Min Test Max	7.2	6.4 9.3	24.0					
Obse	rvations Key	/:	N=	Normal					Comm	cuts;			
N/A = Not Applicable 1 = Living 0 = Dead		ng	ON = On Bottom OS = On Surface LETH= Lethargic SM= Small		PRE = Precipitate FC = Flared Carapace CO = Caught On		F	f = Cloudy = Film issolved Material	CL = Clear/Colorless ERR = Erratic Swimming				
						Environ	2975 Brown Auburn, AL 3 (334) 502-34	Ct. 6830					

Q/A Rev'd By_____

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

Test # 74 -/65 Balance#: 2

Date/Time/Analyst In Oven: 8-14-18/12:30 / BU Date/Time/Analyst Out Oven: 8-15-18 13:00 HA

Temp C In: 59.2 Temp C Out: 60.1

Sample & Concentration	Replicate #	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)			
Blank	1	1.01970	1.01969	N/A	N/A	N/A			
	1	1.03515	1.04194	10	0.679				
Control	2	2	2	2	1.04223	1.04888	10	0.665	
Control	3	1.02572	1.03161	9	0.589				
	4	1.02096	1.02688	9	0.592	0.631			

QA'd by______

ID: DWDFM Revision:Original Effective: 03.05,2018

Test Number:

74 _165 Client:

ABC Coke

Sample & Concentration	Replicate#	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)
	1	1.00537	1.01307	10	0.770	
% Dilution: 16	2	1.05042	1.05693	8	0.651	
	3	1.05415	1.06089	8	0.674	
Sample Type: effluent	4	1.04421	1.05029	7	0.608	0.676
	1				0.000	
% Dilution:	2				0.000	
	3				0.000	
Sample Type:	4				0.000	0.000
	1				0.000	
% Dilution:	2				0.000	
	3				0.000	
Sample Type:	4				0.000	0.000
	1				0.000	
% Dilution:	2				0.000	
	3				0.000	
Sample Type:	4				0.000	0.000
The state of the s	1				0.000	
% Dilution:	2				0.000	
	3				0.000	
Sample Type:	4				0.000	0.000

	SOP	609.4					3 10			KIUI	JAL	LINIA I	OAICI	II IESI		EPA METHO	J 1002 Effect	ctive:06/06/201
Date	Time St	art	8/7/2	018 13:3	0 1	Test#		74	-165	Rando	mizatio	n Board #:	08	0618BU	Age Of	Test Organisms 0-5 Hrs		
Date	Time Fi	nish	8/15/	2018 11:3	30					pF	Meter	/Probe	AI	315-3/12				
										DO) Meter	Probe		YSI-2/2				
Al	gae Lot	272		s/mL	3*1	10^7				Th	ermom	rmometer ID Indiana						
	ast Lot	277		Solids	1	83	Photoperiod: 16 hrs Light 78 Hrs Dark											
	Vol Fed l	Per Cup	(pL)	130	- 1					W	ater Vo	olume:	3	20 mLs		*		
114					10.7	170					POTAL	pH OLD	DO OLD	Temp 'C OLD	MERW Dilution	Analysis & Water Change	Feed	
Test Day	1	2	3	4	5	6	7	8	9	10	20	pH NEW	DO NEW	Temp. C NEW	Let	Date/Time/Analyst	Time	Obs.
Start	1	1	1	1	1	1	1	1	1	1		N/A	N/A	N/A				
Start	機器	機器	建	際疆	靈靈					鹽鰻	10	7.7	8.8	24.8	3632	8-7-18 13:30 BU	14:15	N
*	1	1	1	1	1	1	1	1	1	1	IFI	7.6	8.2	25.9				
1	經濟	W 300	100	隐範			靈麗	羅題		新	10	7.7	8.8	24.1	3632	8-8-18 11:30 BU	15:00	N
2	1	1	1	1	1	1	1	1	1	1		7.7	7.9	24.8				
2	200 100	體驗	機圖	源壁	調養	制器				聯機	10	7.8	8.6	24.6	3633	8-9-18 12:00 BU	13:00	N
1.2	I	1	1	1	1	1	T	1	1	1		7.7	7.9	25.3				
3	编版	遊園	經續		繼續	100	10.00	響欄		疆星	10	7.8	8.6	24.7	3633	8-10-18 11:30 BU	13:00	N
	τ	1	1	1	1	1	1	1	1	1		7.8	8.0	25.2				
4	凝鬱	繼續	編		響響			震器		2 100	10	7.7	18:7" ×	24.0	3636	8/11/18 12:00 RR	13:00	N
5	1	1	1	1	1	1	1	1	1	1		7.7	8.1	24.7			1	
3	金屬	3 len	2 1 000	I lone		4				6 2m	10	777	8.7	24.3	3636	8/12/18 15:00 HA	16:00	N
6	0	1	1	1	1	1	1	1	0	1		7.5	8.0	25.3	1			
	經經	4 2 cm	5 2 50	羅寶	154 154	1	2 2 400	312		翻機	8	7.7	8.8	25.1	3637	8/13/18 12:00 RR	14:00	N
7	0	1	1	1	1	1	1	1	0	1		7.0	8.8	25.2		100000000000000000000000000000000000000		1.15.1
1	認為	總線	經濟	2 P.	6 2 eu	2 an	题 题	極別2號	d See	經經	8	7.4	8.5	24.6	3637	8/14/18 11:30 AF	16:00	N
8	0	1	1	1	1	1	1	1	0	1		7.7	7.8	25.2				100
0	影線	12 3 en	15	14 300	經過 通過	100	影響	100	d Res	16	8	N/A	N/A	N/A	N/A	8/15/18 11:30 AF	N/A	N
Neonates	0	:15 EM	22 % 2	20	21	21	23.	20	0.4	24	N. C.	7.00	7.8	24.0	Test Min	imum		
Observat	ions Key:											7.78	8.8	25.9	Test Max	imum		
110											Comn	nents:			*			
		N.	Normal		DIV	= Partie	late Matte	-								AVERAGE # Neonates per Fe	emale	
Num	ber Livi		= On Bo	ttom		The second	Swimmi		CL	= Clear/0	Colorless	S	N/A = Not	Applicable		17	-thate	
1		_	= On Sur		6.60		solved Ma			Film				End of Brood		Y		
Neon	ates Bro		TH= Leth	argic		E = Precip				DY = Clo								
	開催 発	SM	= Small		FC	= Flared	Carapace		CO	= Caugh	t ON							
			75.5						En		rtal Reso 2975 Bre	urce Analysts	s, Inc.					
			K							A	uburn, A	L 36830						
OH D.	n.		4							_	(334)50	2-3444						

SOP 609.4

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Sampl	st# le Type: lution:	Ē	74 effleu 16	-165 nt		Ch	ent:					BC Coke				Age of Test organisms:	0-5 Hrs	
Test Day	1	2	3	4	5	6	7	8	9	10	POTAL	pH OLD	DO OLD	Temp 'C OLD	Sample # Used	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
Start	1 版	1 湯	I 鍵 翻	1 鑑	1		1	1 編 編	1	1	10	N/A 7.6	N/A 9.0	N/A 24:1	182247-01b	8-7-18 13:35 BU	14:15	N
1	1 题 题		1 分析網師	1	1 線線	I STATE OF THE STA		1	1	1	10	7.8 7.6	7.9	25.7 24.1	182247-01b	8-8-18 11:35 BU	15:00	Z
2	1 劉蘇	1 原制基礎	1 編 編	1 数	1 選 編	I See See	1	1 個	1	1	10	7.7	7.8 9.2	24.8 25.3	182258-01b	8-9-18 12:05 BU	13:00	N
3	電腦	I land	1 (金) (銀)	1 (統) (統)		I Militar	1 編 梁	1 議	1 開展	1	10	7.9	7.9 	25.3 24.7	182258-01b	8-10-18 11:35 BU	13:00	N
4	1 個類	1	1 a Jiend	1 2 1 and	1 Need	l D	1		1	1	10	7.9 7.8	7.8 8.3	25.2 24.0	182393-01b	8/11/18 12:05 RR	13:00	N
5	程 勝	1 2 3 3			1	1 28 (22)	1	1	1	1	10	7.7	8.6	24.7 24.3	182393-01Ъ	8/12/18 15:05 HA	16:00	N
6	1 1 lend		1 6 2 md	1 2 end	1	1	I SE 2 mm	1 2 cmd	1 5 2 ond	1 14# 2 cmd	10	7.6 8.0	8.5 9.0	25.3 25.1	182393-01b	8/13/18 12:05 RR	14:00	N
7	1 4 2 end	1	1 (200) (200)	1 微線	1 個 麗	1 選擇 (施)	1	1 翻譯	1	1	10	7.5	8.8 9.0	25.1 24.7	182393-01b	8/14/18 11:35 AF	16:00	N
8		1 12 3 and	7 1000 1000 1000		I 1 3 cmd	27-24 (4000)		1			10	7.8 N/A	8.1 NVA	25.5 N/A	N/A	8/15/18 11:35 AF	N/A	N
Neonates Observatio	15 ns Key:	16	19:	18	119AC	18	25	26	19	-16	Comm	7.53 8.00 ents:	7.8 9.3	24.0 25,7	Test Minimun Test Maximun			
	er Livin	g ON OS	Normal = On Bot = On Suri H= Letha = Small	face	ERI UM PRE	R= Erration = Undiss = Precip	late Matte Swimmi solved Ma bitate Carapace	ng	F=	= Clear/C Film OY = Clos = Caught	udy	N		Applicable End of Brood		AVERAGE # Neonates per Fe 19.1	male	
									E		2975 Bi	ource Analys rown CL AL 36830 602-3444	its, Inc.	17)				

Larval Fish Growth and Survival Test-7 Day Survival												
Start Date: End Date: Sample Date: Comments:	8/7/2018		Test ID: Lab ID:	74-165fh ERA EPAF 94-EPA/600/4-91/002	Sample ID: Sample Type:	EFF EFF2-Industrial PP-Pimephales promelas						
Conc-%	1	2	3	4								
Control	1.0000	1.0000	0.9000	0.9000								
ef		0.8000	0.8000	0.7000								

	7.		10 100	Tra	ansform:	Arcsin Sc	uare Root	t	5 (9/5)	1-Tailed	3.73
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	
Control	0.9500	1.0000	1.3305	1.2490	1.4120	7.072	4				
eff	0.8250		1.1544	0.9912	1.4120	15.615	4	1.733	1.943	0.1976	

A W T-4	Statistic		Critical		Skew	Kurt
Auxiliary Tests Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.90299		0.749		1.01305	
F-Test indicates equal variances (p = 0.31)	3.67027		47.4672		4 X	3,515
Hypothesis Test (1-tall, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test Indicates no significant differences	0.12313	0.13052	0.06207	0.02067	0.13385	1,6
Treatments vs Control			211227			

ID: ToxBS Revision: Original Effective: 03.05.2018

Toxicity Benchsheet

Client:

74 - ABC Coke

	CHUIL	•	74-1	ADC COKE			
Sample	Sample#	Collection Date/Time	pH 100%/ Temperature(°C)	TRC mg/L	Analysis Date/Time/ Analyst	pH Meter/Probe	TRC Meter
#1	182247-01b	8/6/18 7:30	7.6/20.9	N/A	08/07/18 12:25 HA	AB15-3/24	N/A
#2	182258-01b	8/8/18 7:30	7.7/ 23.9	N/A	8-9-18 11:25 BU	AB15-3/24	N/A
#3	182393-01b	8/10/18 7:30	7.6/23.4	N/A	8/10/18 17:30 AF	AB15-3/24	N/A

002 STORM WATER MONITORING

SAMPLE DATE:		8/20/201	8
SAMPLE LOCATION:		002 DISC	HARGE
SAMPLER:		NORMAN	N LOEBLER
SAMPLE TIME:		2:00 Pf	И
WEATHER CONDITION	NS:	CLOUDY	
CREEK CONDITIONS:		CLEAR	
INIT STAFF LEVEL:			8/20/2018
VOLUME:			LLONS
FINAL STAFF LEVEL:	50"	DATE:	8/25/2018
VOLUME:			
TOTAL DISCHARGE V	OLUME:	7,520,57	2 GALLONS
DAILY AVERAGE FLO	N:	1.50	04 MGD

pH:	6.87 SU	
TSS(mg/L):	8.4	
NH3-N(ppd):	7.78	
CN(T)(ppd):		
BENZO(a)PYRENE (ppd):		
PHENOLS (ppd):		
BENZENE (ppd):		
NAPTHALENE (ppd):		
MANGANESE,T (mg/L):	0.522	
IRON, T (mg/L):	0.667	
O & G (mg/L)	BMDL	

SAMPLE DATE:		
SAMPLE LOCATION:		
SAMPLER:		
SAMPLE TIME:		
WEATHER CONDITIONS:		
CREEK CONDITIONS:		
INIT STAFF LEVEL: VOLUME:	DATE:	
FINAL STAFF LEVEL: VOLUME:	DATE:	
TOTAL DISCHARGE VOLUME DAILY AVERAGE FLOW:	:	

TSS(mg/L):

NH3-N(ppd):

CN(T)(ppd):

BENZO(a)PYRENE (ppd):

PHENOLS (ppd):

BENZENE (ppd):

NAPTHALENE (ppd):

MANGANESE,T (mg/L):

IRON, T (mg/L):

O & G (mg/L)

002 STORM WATER MONITORING

SAMPLE DATE:	8/1/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	1:10 PM
WEATHER CONDITIONS:	CLOUDY
CREEK CONDITIONS:	STAINED
INIT STAFF LEVEL: 84	
FINAL STAFF LEVEL: 44	17,372,016 GALLONS DATE: 8/6/2018
VOLUME:	8,220,490 GALLONS
	JME: 9,151,526 GALLONS
DAILY AVERAGE FLOW:	1.830 MGD

pH:	6.80 SU	
TSS(mg/L):	18	
NH3-N(ppd):	9.77	
CN(T)(ppd):	BMDL	
BENZO(a)PYRENE (ppd):	BMDL	
PHENOLS (ppd):	BMDL	
BENZENE (ppd):	BMDL	
NAPTHALENE (ppd):	BMDL	
MANGANESE,T (mg/L):	0.354	
IRON, T (mg/L):	0.691	
O & G (mg/L)	BMDL	

SAMPLE DATE:	8/9/2018	
SAMPLE LOCATION:	002 DISCHA	RGE
SAMPLER:	NORMAN LO	DEBLER
SAMPLE TIME:	2:00 PM	
WEATHER CONDITIONS:	RAIN	
CREEK CONDITIONS:	CLEAR	
INIT STAFF LEVEL: 65" VOLUME: 12,8	DATE: 349,585 GALLO	
FINAL STAFF LEVEL: 42"	DATE: 8	3/14/2018
VOLUME: 7,6 TOTAL DISCHARGE VOLUME: DAILY AVERAGE FLOW:		ALLONS

pH:	6.85 SÜ
TSS(mg/L):	5.6
NH3-N(ppd):	5.34
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPTHALENE (ppd):	
MANGANESE,T (mg/L):	
IRON, T (mg/L):	
O & G (mg/L)	

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | From: | 18 07 01 | To: | 18 09 30 | |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity or Loading Units		Qua	Quality or Concentration			No.	Frequency of Analysis	Sample Type	
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	24.88		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Quarterly	Composite
	Sample Measurement		•								
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE
Jay Cornelius		Signed By E2	205-849-1342	08/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
OXYGEN, DISSOLVED (DO)	Sample Measurement	****	****		6.34	****	****	19	0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	****	****	mg/l		Weekly	Grab
РН	Sample Measurement	****	****	****	6.70	****	7.10	12	0	Daily	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		6.0 minimum daily	****	9.0 maximum daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	8.69	15.93		****	****	****	****	0	Weekly	Composite
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	342 monthly average	513 maximum daily	26 lbs/day	****	****	****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B	. 26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.60	2.35	. 26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	lbs/day	****	****	****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	5.23	8.60	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	lbs/day	****	****	****			Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.523	0.647	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	18.27 monthly average	26.11 maximum daily	lbs/day	****	****	****			2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	10/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 09 01 | To: | 18 09 30 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
IRON, TOTAL (AS FE)	Sample Measurement	0.74	0.74		****	****	****	****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily	26 lbs/day	****	****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.38	0.38	26	****	****	****	****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily	lbs/day	****	****	****			Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B		****	****	****	****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily	26 lbs/day	****	****	****			Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily	lbs/day	****	****	****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B	26	****	****	****	*****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily	lbs/day	****	****	****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.31143	0.38848	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****	******		Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.022	0.023	26	****	****	****	****	0	2X Monthly	Grab
Parameter Code: 511/3 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily	lbs/day	****	****	****	90-90-90-90-90-		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	10/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

MONIT

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0011

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 09 01 | To: | 18 09 30 | MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity (or Loading	Units	Qua	Quality or Concentration			No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	****	0		****	****	****	****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	A pass(0)/fail	****	****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	****	0	9A	****	****	****	****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	0 maximum daily	pass(0)/fail (1)	****	****	****	*****		Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	5597		****	****	****	****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	*****		Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	4.50	5.84	26	****	****	****	****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily	lbs/day	****	****	****			Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	10/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 001Q

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | From: | 18 07 01 | To: | 18 09 30 | |

MAJOR

COUNTY: Jefferson Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	ion	Units	No.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	****	24.88		****	****	****	****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Quarterly	Composite
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	****	*B	26	****	****	****	****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Quarterly	Composite
	Sample Measurement		•								
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	08/24/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

MAJOR

COUNTY: Jefferson PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity	or Loading	Units	Qua	ality or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
PH	Sample Measurement	****	****		6.85	****	7.15	12	0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	6.0 minimum daily	*******	8.5 maximum daily	S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	****	****	****	****	7.07	9.20	10	0	Weekly	Grab
Parameter Code: 00530 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	*****		****	35 monthly average	70 maximum daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	****	****		****	0.70	1.40	10	0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****	****	****	10.0 monthly average	15.0 maximum daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	4.13	4.69	26	****	****	****	****	0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	lbs/day	****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	****	*B	26	****	****	****	*****	0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	renort maximum daily	lbs/day	****	****	****	****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	****	****	****	****	0.37	0.45	19	0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	3.0 monthly average	6.0 maximum daily	mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	****	****	****	****	0.22	0.27	19	0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	****		****	2.0 monthly average	4.0 maximum daily	mg/l		2X Monthly	Grab

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Jay Cornelius		Signed By E2	205-849-1342	10/26/2018

PERMITTEE NAME: Drummond Company Inc

MAILING ADDRESS: P O Box 10246, Birmingham, AL 35202-0246

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue, Tarrant, AL 35217

PERMIT NUMBER: AL0003417 MONITORING POINT: 0021

| MONITORING PERIOD: | YY | MM | DD | YY | MM | DD | | From: | 18 09 01 | To: | 18 09 30 | MAJOR

COUNTY: Jefferson

PROGRAM: Industrial

*** NO DISCHARGE [] ***

Parameter		Quantity of	or Loading	Units	Qua	lity or Concentrat	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
BENZENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****			Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	****	*B	. 26	****	****	****	****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
NAPHTHALENE	Sample Measurement	****	*B		****	****	****	****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	26 lbs/day	****	****	****	*****		Monthly	Grab
PHENOLS	Sample Measurement	****	*B	26	****	****	****	****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	****	report maximum daily	lbs/day	****	****	****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.574	1.669	03	****	****	****	****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	renort maximum daily	MGD	****	****	****			Daily	Calculated
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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Jay Cornelius		Signed By E2	205-849-1342	10/26/2018

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING

POINT:

COUNTY:

Jefferson

Birmingham, AL35202-0246

FACILITY: Abc Coke Div Drummond Co Inc LOCATION:

900 Huntsville Avenue Tarrant AL 35217

Monitoring Period: 2018-09-01 To 2018-09-30

NO DISCHARGE FROM SITE:

1)

Parameter		Quantity of	or Loading	Units	Quality	or Conc	centration	Units	No. Ex.	Frequency of Ana	lysis Sample Type
DXYGEN, DISSOLVED (DO)	Sample Measurement	4444	++++4	1	6.34	****	*****		0	Weekly	Grab
PARAM CODE: 00300 Stage Code: 1	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.70	*****	7 10		Û	Daily	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effuent	Permit Requirement	*****			6.0 Minimum Daily	*****	9.0 Maximum Dady	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	8 69	15 93		*****	*****	*****		.0	Weekly	Composite
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 lbs/day		****	*****			Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*13		*****	*****	*****		0	2X Monthly	Grab -
ARAM CODE: 00556 stage Code: 1	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL AS N)	Sample Measurement	1.60	2.35		*****	*****	*****		0	Weekly	Composite
ARAM CODE 00610 tage Code: 1	Permit Requirement	33 0 Monthly Average	49.5 Maximum Daily	26 Ibs/day	****	*****	*****			Weekly	Composite
ITROGEN, KJELDAHL TOTAL AS N)	Sample Measurement	5.23	8 60		*****		*****		.0.	Weekly	Composite
ARAM CODE: 00625 tage Code: 1	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
YANIDE, TOTAL (AS CN)	Sample Measurement	0.523	0.647		****	****	*****		0.	2X Monthly	Grab
ARAM CODE. 00720 lage Code: 1 inal Effluent	Permit Requirement	18 27 Monthly Average	26.11 Maximum Daily	26 Ibs/day	****	*****	****		4	2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent SI	JBMITTED HEREIN AND BASEI IFORMATION I BELIEVETHE S GNIFICANT PENALTIES FOR SU SE IRUS C § 1001 AND 33 U.S.C	LAW THAT I HAVE PERSONALL O ON MY INQUIRY OF THOSE IN UBMITTED INFORMATION IS T UBMITTING FALSE INFORMATIO § 1319 Inde fines up to \$10.000 and or mas	IDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON INCLUDING THE POSSIBIL	ESPONSIBLE ETE LAM AV LTY OF FINE	FOR OBTAINING THE VARE THAT THERE ARE AND IMPRISONMENT		ture of Principal Exec cer Or Authorized Ag			Telephone No	Date (MM/DD/Y)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 1

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT:

COUNTY:

Jefferson

FACILITY:

Birmingham, AL35202-0246 Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

Monitoring Period: 2018-09-01 To: 2018-09-30

NO DISCHARGE FROM SITE:

Parameter		Quantity of	or Loading	Units	Qua	lity or Concent	ration	Units	No. Ex.	Frequency of Analysi	Sample Typ
RON, TOTAL (AS FE)	Sample Measurement	0.74	0.74	- 1	*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily	26 Ibs/day	*****	*****	****			Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.38	0.38		*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	5.0 Monthly Average	10 Maximum Daily	26 lbs/day	*****	****	*****			Monthly	Composite
BENZO(A)PYRENE	Sample Measurement	*B	*B		*****	*****	*****		0	Weekly	Composite
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily	26 Ibs/day	****	*****	*****		Ò	Weekly	Composite
IAPHTHALENE	Sample Measurement	*B	*B		*****	*****	*****		0	Monthly	Grab
ARAM CODE 34696 stage Code 1 snal Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily	26 Jbs/day	11111	*****	*****			Monthly	Grab
PHENOLS	Sample Measurement	*B	*B			*****	111111		.0	2X Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	0.17 Monthly Average	0 30 Maximum Daily	26 lbs/day	*****	****				2X Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	0.31143	0.38848		*****	*****	*****		0	Daily	Calculated
ARAM CODE. 50050 stage Code: 1	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	03 MGD	*****	*****	*****			Daily	Calculated
YANIDE, FREE AVAILABLE	Sample Measurement	0.022	0.023		*****	****	*****		0	2X Monthly	Grab
ARAM CODE 51173 tage Code: 1 inal Effluent	Permit Requirement	0 145 Monthly Average	0.475 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREIN AND BASEI FORMATION I BELIEVE THE S IGNIFICANT PENALTIES FOR SI EE IN U.S.C. § 1001 AND 33 U.S.C Penalties under these statutes may in Penalties under the penalties may in Penalties may in Pe	O ON MY INQUIRY OF THOSE IN UBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI	NDIVIDUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBI	ESPONSIBLES ETE I AM AW ITY OF FINE A	OR OBTAINING T ARE THAT THERE AND IMPRISONME	ARE Officer	of Principal Exec Or Authorized Ap			Telephone No I	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING

POINT:

COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246 Abe Coke Div Drummond Co Inc

900 Huntsville Avenue

Monitoring Period: 2018-09-01 To 2018-09-30

NO DISCHARGE FROM SITE:

Parameter		Quantity o	or Loading	Units	Qua	ality or Concen	tration	Units	No. Ex.	Frequency of Analysis	f Sample Type
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	31111	0	9/	*****	*****	****		0	Monthly	Grab
PARAM CODE: 61426 Stage Code: 1 Final Effluent	Permit Requirement	11111	0 Maximum Daily	pass(0)/fail (1)	****	*****	****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A	*****	*****	****		0	Monthly	Grab
PARAM CODE 61428 Stage Code: 1 Final Effluent	Permit Requirement	*****	0 Maximum-Daily	pass(0)/fail (1)	*****	****	44444			Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	****	5597	26	*****		*****		()-	Monthly	Composit
PARAM CODE: 70295 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	lbs/day	*****	*****	****			Monthly	Composit
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	4 50	5.84	26	*****		*****		(1)	Weekly	Composite
PARAM CODE 80082 Stage Code: 1 Final Effluent	Permit Requirement	56 Monthly Average	84 Maximum Daily	lbs/day	*****	*****	****			Weekly	Composite
Officer Or Authorized Agent	UBMITTED HEREIN AND BASE FORMATION I BELIEVE THE GNIFICANT PENALTIES FOR S SE 18 U.S.C. § 1001 AND 33 U.S.	LAW THAT I HAVE PERSONAL ED ON MY INQUIRY OF THOSE I SUBMITTED INFORMATION IS TUBMITTING FALSE INFORMAT C \$1319 Telude fines up to \$10,000 and or ma	NDIVIDUALS IMMEDIATELY R FRUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBI	ESPONSIBLEFOR OB ETE 1 AM AWARE TI JTY OF FINE AND IM	TAINING THE HAT THERE ARE		incipal Executive thorized Agent		Telepho	ne No Di	ate (MM/DD/YY)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

0021

MAILING ADDRESS:P O Box 10246

MONITORING POINT: COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246

Abe Coke Div Drummond Co Inc 900 Huntsville Avenue

Monitoring Period: 2018-09-01 To 2018-09-30

NO DISCHARGE FROM SITE:

()

Parameter		Quantity (or Loading	Units	Qu	ality or Concentr	ation	Units	No. Ex.	Frequency of Anal	ysisSample Ty
PH	Sample Measurement	*****	*****		6.85	*****	7.15		0	Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Permit Requirement	****	*****		6.0 Minimum Daily	****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement		*****		*****	7.07	9.20		0	Weekly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****			35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****		*****	0,70	1 40		0 -	2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****			10.0 Monthly Average		(9 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	4.13	4.69		*****	*****	****		0	Weekly	Grab
PARAM CODE: 00610 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 Ibs/day	*****	****	****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 Ibs/day	*****	****	****			Monthly	Grab
RON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0,37	0.45		0	2X Monthly	Grab
PARAM CODE 01045 Stage Code I Final Effluent	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.22	0.27	T gi	0	2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4 0 Maximum Daily	19 mg/l		2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF UBMITTED HEREIN AND BASEI NFORMATION I BELIEVE THE SIGNIFICANT PENALTIES FOR SUE IN U.S.C. § 1001 AND 33 U.S.C. Penalties under these stabules may with the second stabules of the se	O ON MY INQURY OF THOSE J UBMITTED INFORMATION IS T UBMITTING FALSE INFORMATI	NDIVIDUALS IMMEDIATELY R FRUE, ACCURATE AND COMPL ON, INCLUDING THE POSSIBIL	ESPONSIBL ETE LAM A ITY OF FINI	EFOR OBTAINING TO WARE THAT THERE AND IMPRISONME	ARE Officer Or	Principal Executive Authorized Agent		Tele	phone No Di	ate (MM/DD/YY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS:P O Box 10246

MONITORING POINT: COUNTY:

Jefferson

FACILITY: LOCATION: Birmingham, AL35202-0246 Abe Coke Div Drummond Co Inc.

Abe Coke Div Drummond Co Inc. 900 Huntsville Avenue

Monitoring Period: 2018-09-01To 2018-09-30

NO DISCHARGE FROM SITE:

()

Parameter		Quantity	or Loading	Units	Qua	lity or Concent	ration	Inits No		sisSample Type
BENZENE	Sample Measurement	*****	*В			*****	*****	0.	Monthly	Grab
PARAM CODE: 34030 Stage Code: 1 Final Effluent	Permit Requirement	****	REPORT Maximum Daily	26. Ibs/day	*****	****	*****		Monthly	Grab
BENZO(A)PYRENE	Sample Measurement	+++++	*B		*****	4444	*****	0	Monthly	Grab
PARAM CODE: 34247 Stage Code: 1	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	44444	****	*****		Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	1/-	*****	*****	*****	0	Monthly	Grab
PARAM CODE 34696 Stage Code: 1	Permit Requirement	****	REPORT Maximum Daily	26 Ibs/day		****	****		Monthly	Grab
PHENOLS	Sample Measurement	*****	*B		*****	+++++	****	0	Monthly	Grab
ARAM CODE: 46000 tage Code: 1 inal Effluent	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	+++++	*****	*****		Monthly	Grab
LOW, IN CONDUIT OR THRU REATMENT PLANT	Sample Measurement	1 574	1 669			****	*****	D	Daily	Calculated
ARAM CODE: 50050 tage Code: 1 inal Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	MGD	*****	*****	*****		Daily	Calculated
Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF SUBMITTED HEREIN AND BASEL NEORMATION I BELIEVETHE S SIGNIFICANT PENALTIES FOR SI IEE IN U.S.C. § 1001 AND 33 U.S.C. Penalties under these statutes may DE ANY VIOLATIONS (P. DE ANY VIOLATIONS (P.	D ON MY INQURY OF THOSE IS SUBMITTED INFORMATION IS T JBMITTING FALSE INFORMATI \$ \$1319 child fines up to \$10 000 and or ina	NDIVIOUALS IMMEDIATELY R RUE, ACCURATE AND COMPL ION, INCLUDING THE POSSIBIL SIMBLE IMPRISORMENT OF BETWEEN 16	ESPONSIBLEF ETE: I AM AWA LITY OF FINE A	OR OBTAINING T ARE THAT THERE ND IMPRISONME	ARE Officer	of Principal Execut Or Authorized Agen		Telephone No	Date (MM/DD/Y

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



LRS, Inc.

Laboratory Resources & Solutions, Inc.
P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
(205) 594-1445
www.lab-resource.com

Analytical Data Report

Client:

ABC Coke

P.O. Box 10246

Birmingham, AL 35202

Attention:

Mr. David Vance

Project ID:

001 Chronic Toxicity - September 2018

Date:

October 11, 2018

Data Reviewed by:

Hayne J. Daston

Wayne Gaston
Project Manager
Laboratory Resources & Solutions, Inc. (LRS)
wgaston@lab-resource.com

- * Unless otherwise noted, all analyses on this report performed at Environmental Resource Analysts, Inc. (ERA), 2975 Brown Court, Auburn, AL 36830.
- * These results relate only to the items tested. This report may only be reproduced in full.
- * Local support services for this project are provided by Laboratory Resources & Solutions, Inc. (LRS). All questions regarding this report should be directed to LRS, Inc.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT TOXICITY TEST REPORT SUMMARY

Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: _48 -Hr Acute Screening:Hr Acute Definitive: Short-term Chronic Screening: _X	Permittee: ABC Coke, Inc. Facility Name: ABC Coke, Inc. Agent Submitting Report:: Mr. Jeff McCord Lab Conducting Toxicity Test(s): ERA, 2975 Brown Court, Auburn, AL 36830 Months To Test: Monthly This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes X No Accelerated Test(s): Yes No X Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 -Hr Acute Screening: -Hr Acute Definitive: Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	1. GENERA				001		ODNAV. Tof	forcon		
Facility Name: ABC Coke, Inc. Agent Submitting Report: : Mr. Jeff McCord Lab Conducting Toxicity Test(s): ERA, 2975 Brown Court, Auburn, AL 36830 Months To Test: Monthly This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes X No Accelerated Test(s): Yes No X Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 - Hr Acute Screening: -Hr Acute Definitive: Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas Sam Date / Time Start Date / Time Ended Control Date / Time Start Date / Time Ended Control No. MM / DD / YY HH: MM MM / DD / YY HH: MM Valid MM / DD / YY HH: MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2. A. SUMMARY OF RESULTS FOR SCREENING TESTS: Test Number Test Eff. (1) (2) (3) (4) Org. Conc Surv Repr Grow Gro	Facility Name: ABC Coke, Inc. Agent Submitting Report: Mr. Jeff McCord Lab				Ds	2M: 00T	- '	COUNTY: Det	rerson		
Agent Submitting Report:: Mr. Jeff McCord Lab Conducting Toxicity Test(s): ERA, 2975 Brown Court, Auburn, AL 36830 Months To Test: Monthly This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes X No Accelerated Test(s): Yes No X Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 -Hr Acute Screening: Hr Acute Definitive: Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism:Ceriodaphnia dubia Test Organism:Pimephales promelas Sam Date / Time Start Date / Time Ended Control Date / Time Start Date / Time Ended Control No. MM / DD / YY HH: MM MM / DD / YY HH: MM Valid MM / DD / YY HH: MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS: Test Number Test Test Test Number Test Eff. (1) (2) (3) (4) (4) Org. Conc Surv Repr Grow Sur	Agent Submitting Report:: Mr. Jeff McCord Conducting Toxicity Test(s): ERA, 2975 Brown Court, Auburn, AL 36830 Months To Test: Monthly This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes X No Accelerated Test(s): Yes No X Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 -Hr Acute Screening: -Hr Acute Definitive: Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism:Ceriodaphnia dubia Test Organism:Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	Permittee	: ABC Col	ke, Inc.							
Conducting Toxicity Test(s): ERA, 2975 Brown Court, Auburn, AL 36830 Months To Test: Monthly This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes X No Accelerated Test(s): Yes No X Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 -Hr Acute Screening: -Hr Acute Definitive: Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	Conducting Toxicity Test(s): ERA, 2975 Brown Court, Auburn, AL 36830 Months To Test: Monthly This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes					2 22 2 35 5				T.o.	h
Months To Test: Monthly This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes _ X	Months To Test:	Agent Sub	omitting Re	sport: :	Mr. Jef	f McCord	-		NT 2602		D
This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes X No Accelerated Test(s): Yes No X Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 -Hr Acute Screening: -Hr Acute Definitive: Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HB:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	This Report for Toxicity Test(s) Required for the Month of: Sept Scheduled Test(s): Yes X No Accelerated Test(s): Yes No X Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 -Hr Acute Screening: Hr Acute Definitive: Short-term Chronic Screening: Short-term Chronic Definitive: Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	Conductin	g Toxicit	y Test(s): ERA, 2	975 Brow	n Court	, Auburn,	AL 3683	<u>u</u>	
Scheduled Test(s): YesX NoAccelerated Test(s): YesNoX Accelerated Test Number ofFor Failed Scheduled Test Date: Test Type Required: _48 -Hr Acute Screening:Hr Acute Definitive: Short-term Chronic Screening: _X Short-term Chronic Definitive: Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	Scheduled Test(s): Yes	Months To				101.00			g(1) (1)		
Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: 48 -Hr Acute Screening: -Hr Acute Definitive: Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism:Ceriodaphnia dubia Test Organism:Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	Accelerated Test Number of For Failed Scheduled Test Date: Test Type Required: _48					equired f	or the	Month of:	Sept		w
Test Type Required: 48 -Hr Acute Screening:	Test Type Required: 48 -Hr Acute Screening:	Scheduled	i Test(s):	Yes X			Accele	rated Test	(s): Yes	NO	X
Short-term Chronic Screening: X Short-term Chronic Definitive: Test Organism:Ceriodaphnia dubia Test Organism:Pimephales promelas Sam Date/Time Start Date/Time Ended Control Date/Time Start Date/Time Ended Control No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HH:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	Test Organism: Ceriodaphnia dubia	Accelerat	ed Test N	umber				neduled Te	st Date:	2 200	
Test Organism: Ceriodaphnia dubia	Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas Sam Date / Time Start Date / Time Ended Control Date / Time Start Date / Time Ended Control No. MM / DD / YY HH: MM MM / DD / YY HH: MM MM / DD / YY HH: MM MM / DD / YY HH: MM MA M / D / D / D / D / D / D / D / D / D /	Test Type	Required	: 48 -H	r Acute S	Screening	:				e:
Sam Date / Time Start Date / Time Ended Control Date / Time Start Date / Time Ended Control No. MM / DD / YY HH: MM MM /	Sam Date Time Start Date Time Ended Control Date Time Start Date Time Ended Control No. MM DD YY HH: MM MM DD YY HH: MM Valid MM DD YY HH: MM MM DD YY HH: MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	Short-ter	rm Chronic	Screeni	ng: X	Shor	t-term	Chronic D	efinitiv	e:	
Sam Date / Time Start Date / Time Ended Control Date / Time Start Date / Time Ended Control No. MM / DD / YY HH: MM MM /	Sam Date Time Start Date Time Ended Control Date Time Start Date Time Ended Control No. MM DD YY HH: MM MM DD YY HH: MM Valid MM DD YY HH: MM MM DD YY HH: MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:								44	17.	
No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HR:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HR:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes	Tes	st Organis	m:Ceriod	aphnia du	ubia	Tes	t Organism	Pimepha	les promela	<u>s</u>
No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HR:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	No. MM/DD/YY HH:MM MM/DD/YY HH:MM Valid MM/DD/YY HH:MM MM/DD/YY HR:MM Valid 1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes	Sam Date	e/Time Sta	rt Date/	Time Ende	ediContro	1 Date	Time Star	t Date/T	ime Ended C	ontrol
1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	1 9/18/18 15:00 9/26/18 13:00 Yes 9/18/18 15:10 9/25/18 14:30 Yes 2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	No. MM	/DD/YY HH:	MM MM/D	D/YY HH: N	MM Valid	MM/	DD/YY HH:M	M MM/DD	MH:HH YY	Valid
2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:	2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:				/18 13:00	Yes	1 9/1	8/18 15:10	1 9/25/	18 14:30	Yes
Test Number	Test Eff. (1) (2) (3) (4)				6 C- 5 20						
Test Number	Test Eff. (1) (2) (3) (4)	2.A. SUM	MARY OF RE	SULTS FO	R SCREEN	ING TESTS	3;				
Org. Conc Surv Repr Grow Surv Surv Repr Grow Surv Repr Grow Surv Repr Grow Surv Repr Grow Surv Rep	Org. Conc Surv Repr Grow Surv Repr Grow Surv Repr Grow Surv Repr Grow P.p. 16% PASS N/A PASS N/A	1 1						Number			
Org. Conc Surv Repr Grow Surv Surv Repr Grow Surv Repr Grow Surv Repr Grow Surv Repr Grow Surv Rep	Org. Conc Surv Repr Grow Surv Repr Grow Surv Repr Grow Surv Repr Grow P.p. 16% PASS N/A PASS N/A	Test E:	ff. I	(1)		(2)	1	(3)	1	(4)	1
P.p. 16% PASS N/A PASS N/A P.p. 16% PASS N/A PASS N/A N				Grow! Su	rv Repr	Grow	Surv Rep	r Grow	Surv Repr		
	C.d. 16% PASS PASS N/A N	-	the second second second	-		A N/A	N/A I	N/A N/A	I N/A I		
0.0.	3. LABORATORY ANALYSES OF UNDILUTED SAMPLES(S): SAMPLE BOD5 TSS NH3 pH Alk Hard-EFF TRC Conductivity Id. mg/l mg/l mg/l su mg/l mg/l mg/l uS 1 <0.200 7.5 140 28.5 NA 4,150 2 <0.200 7.5 134 42.8 NA 3,890	-					N/A I	N/A N/A	1 N/A 1	N/A N/A	N/A
	SAMPLE BOD5 TSS NH3 pH Alk Hard-EFF TRC Conductivity Id. mg/l mg/l mg/l su mg/l mg/l mg/l uS 1 < <0.200 7.5 140 28.5 NA 4,150 2 < <0.200 7.5 134 42.8 NA 3,890	12,21			11.1.1.1.1.1						
3. LABORATORY ANALYSES OF UNDILUTED SAMPLES(S):	SAMPLE BOD5 TSS NH3 pH Alk Hard-EFF TRC Conductivity Id. mg/l mg/l mg/l su mg/l mg/l mg/l uS 1 < <0.200 7.5 140 28.5 NA 4,150 2 < <0.200 7.5 134 42.8 NA 3,890	3. LABOR	ATORY ANAI	YSES OF	UNDILUTE	D SAMPLES	(S):				
The second secon	Id. mg/l mg/l mg/l su mg/l mg/l mg/l uS 1 <0.200 7.5 140 28.5 NA 4,150 2 <0.200 7.5 134 42.8 NA 3,890							Hard-EF	F TRC	Conduct	civity
그는 프로젝트 프로그램 이번 이번에 되었다. 그런 이렇게 되었다면 하네 아내를 가는 그렇게 되었다. 그렇게 되었다면 하는 그는 그렇게 되었다면 하네요. 그는 그렇게 되었다면 그렇게 되었다.	1 <0.200 7.5 140 28.5 NA 4,150 2 <0.200 7.5 134 42.8 NA 3,890		4 (m is 14 00)	mg/l	mg/1	20 10 70 70 70	mg/1	1 mg/1	1 mg/1	l us	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 <0.200 7.5 134 42.8 NA 3,890	-						1 28.5	I NA	4,150)
1000									I NA	3,890)
No. of the second secon					the second second second second second				NA	4,200)
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1401200	1111					
Chemical Analyses Performed By (Lab): ERA		Chemical	Analyses	Periorme	169 MCD	121 0	199 MG	n (3) 0.2	90 MGD		
m-1-1 04 H 171-11 (1) 0 0 6 9 MCD (2) [] 177 MCD (3) [] (7] [] MGD	The sale of the sa	Total 24	Hour From	7: (1) <u>0</u>	27 MGD	121 01	III MG	0 (3/012	1900		
Total 24 Hour Flow: (1) 0.259 MGD (2) 0.177 MGD (3) 0.270 MGD	Total 24 Hour Flow: (1) 0.259 MGD (2) 0.199 MGD (3) 0.290 MGD	A12,1100					the same and a	antina an ayang dala	n in accordance	a with a evelope docto	and in accura
	Total 24 Hour Flow: (1) 0.259 MGD (2) 0.199 MGD (3) 0.290 MGD	I certify under p	enalty of law that the	ils document an	o all attachment	s were prepared	under my di	ection of supervisio	n in accordance	e with a system design	or those
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to as	Total 24 Hour Flow: (1) 0.259 MGD (2) 0.199 MGD (3) 0.290 MGD I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure	that qualified pe	arsonnel properly ga	ther and evalua	ale the information	n submitted. Ba	ased on my i	iquiry of the person	or persons who	o manage trie system	of those
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to as that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those	Total 24 Hour Flow: (1) 0.259 MGD (2) 0.199 MGD (3) 0.270 MGD I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those	persons directly	responsible for ga	thering the infor	mation, the infor	mation submitte	d is, to the be	st of my knowledge	and belief, true	e, accurate, and comp	Nete. 1 am
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to as that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I are	Total 24 Hour Flow: (1) 0.259 MGD (2) 0.199 MGD (3) 0.270 MGD I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am	aware that there	e are significant per	nalties for subm	itting false inform	nation, including	the possibilit	y of fine and impriso	nment for know	ving violations.	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to as that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those	Total 24 Hour Flow: (1) 0.259 MGD (2) 0.199 MGD (3) 0.270 MGD I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am										
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to as that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I are	Total 24 Hour Flow: (1) 0.259 MGD (2) 0.199 MGD (3) 0.270 MGD I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		and the second								

4. SAMPLE COLLECTION:

Split Samples: N/A X Yes (Explain)

Samples Collected as Specified in the NPDES Permit: Yes X No(Explain)

Receiving Water: Five Mile Creek
Design Flow: 0.406 (MGD)

Sample	i	Samp	ole(s)	(Collected	4	1	Arrival		Used in	Test(s)	
Id.	1	MM/DD/YY						Temp.°C.	L	MM/DD/YY -	MM/DD/YY	1
1	1	9/16/18		_		0730	1	2.5	- 1	9/18/18 -	9/19/18	
2	i	9/18/18	_	_		0730	1	2.9	- 1	9/20/18 -	9/21/18	
3	i	9/20/18	0730	-	9/21/18	0730	1	2.6	1	9/22/18 -	9/24/18	1

5. CONTROL/DILUTION WATER:

Type	1	Prepared	1	Begin Use	- 1		Ir	itial	Wa	ter	Che	mistries			1
Typo	i	MM/DD/YY	i	MM/DD/YY	1	Hard.	1	Alk.	1	рН	_1	Cond.	6	°C.	1
MHRW	11/1-	9/14/18	. 1	9/18/18	-1	100	1	59	1	7.8		313	0	25	- 1
MHRW	-1	9/14/18		9/19/18	1	100	1	59	1	7.7	1	317	@	25	
MHRW	1	9/14/18	1	9/20/18	- 1	96	1	59		7.4	1	321	6	25	- 1
MHRW	1	9/19/18	1	9/22/18	-1	92	1	59	1	7.7	1	319	0	25	
MHRW	1	9/19/18	1	9/23/18	-1	98	1	59	1	7.6	1	313	6	25	

6. TOXICITY TEST INFORMATION:

Test	Organism	Organism	1	Test	Solution	Cond	centration	ons	(8)	1
Species	Age	Source	1							1
P.p.	1 1-2 days	Florida Bioassay Supply	1	16%		_1				
C.d.	10-8 hrs	ERA	1	16%						

Test Species	Test Vessel	Vessel Vol.(mL)	Solution Vol.(mL)	1	Org./Test Vessel	1	Replicates Per Conc.
P.p.	plastic beaker	500	1 250	-1	10	1	2
C.d.	plastic beaker	25	1 20	1	5	1	4

Test	1	Temp. Range	i	D.O. Range (mg/L)	1	pH Range (su)	1	Light Intensity Average (ftc.)
P.p.	1	24.0 - 25.7	1	5.8 - 8.9		7.4 -7.9	- 1	75
C.d.	1	24.0 - 25.9	1	7.7 - 8.9	1	7.6 -7.9	- 1	75

7. FEEDING:

Not Fed: Fed Daily: X Fed Irregular: (Explain in Comments Below)

Brine Shrimp: Fed 0.15 g Suspension of Newly Hatched Larvae 2 Times Daily.

YCT: Fed 0.130 mL Suspension Containing 1.85 g/L TS Daily.

Algae: Fed 0.130 mL Suspension Containing 3.0 x 107 Algal Cells/mL Daily.

COMMENTS:

	NAME: ABC Coke		AL0003417 DSN: 001 DATE: 09/	18/18
	RENCE TOXICANT TEST : Sodium Chloride	SOURCE: Fish	er Scientific CAS#	: 7647-14-5
	Concentration Uni			77-191-1
Solution	Concentration on	c. Mg/ II g/ II _		
Chronic:		Control Refe	rence Test Solution Concentr	ations
Test	Test Date MM/DD - MM/DD	Water	(Control to Highest Conc.	
Org.	1 9/18/18-9/25/18		1 4.0 6.0 8.0 10.0	
P.p.	9/18/18-9/26/18	111111111111111111111111111111111111111	11.0 1.5 2.0 2.5	
Test	9/18/18-3/20/10	THIRM 0 1 U.S		NUMBER
	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit	1 (N) 1
	Endpoint Survival	2.0	1 2.0 - 4.0	1 20 1
	Growth	2.0	1 2.0 - 4.0	20
F.D.	Survival	1.5	1 0.5 - 1.5	1 20 1
C.d.		0.5	1 0.25- 1.0	1 20 1
	a on File With ADE			
9.B. Te	st Solution Manipu	lations or Test Modif	fications:	
10. REQ	UIRED REPORT ATTAC	HMENTS:		
(Bench	Sheets) Pertaining	To Physical, Chemica	Reference Toxicant Tests, Anal, And Biological Measureme scontinued Toxicity Tests Da	nts For All
11.c g	HRONIC SCREENING TO	XICITY TESTS RESULTS	(Freshwater):	
Were Ne	GANISM: Ceriodaphni conates Used to Beg of the CONTROL Fer	n the Test Within 8	hours of the same age?: Yes	
NO SURV	TOXICITY INDICATED VIVAL STATISTICAL AND L(%) 24h 100 48h	MALVSTS NECESSARY: X	ENT(%): 24h 100 48h 100 End	d <u>100</u>

FACILITY NAME: ABC Coke	NPDES #: AL0003417	DSN: 001	DATE: 09/18/18
REPRODUCTION (Average Neonates/Female CHRONIC TOXICITY INDICATED: YES	NO X S NECESSARY: alue: 0.868 (Parameter: 6.54 Critical Value: 1.	734	-Parametric)
TEST ORGANISM: Pimephales promelas MORTALITY CHRONIC TOXICITY INDICATED: YES CONTROL(%) 24h 100 48h 100 7day NO MORTALITY STATISTICAL ANALYSIS NO Normally Distributed: Yes X No Test Statistic: 0.930 Critical Val Equal Variance: X Unequal Variance F Statistic: 1.00 Critical F: 4 / Test Statistic: 1.414 / Test Cri Sample Rank Sum: #Reps.:	98 EFFLUENT(%): 241 ECESSARY: lue: 0.749 (Paramerone: 7.5) tical Value: 1.943	tric)	
GROWTH - Mean Dry Weight (mg) CHRONIC TOXICITY INDICATED: YES CONTROL: 0.437 mg EFFLUENT: 0.40 NO GROWTH STATISTICAL ANALYSIS NECE Normally Distributed: Yes X No Test Statistic: 0.979 Critical Va Equal Variance: X Unequal Varian F Statistic: 1.53 Critical F: / Test Statistic: 1.760 / Test Cr Sample Rank Sum: #Reps.:	8 mq SSARY: lue: 0.749 (Parame ce: 47.5 itical Value: 1.943		n-Parametric)

Billing Information:			LRS Clie	nt Inform	ation:	-	-	Analysis	/Container/F	reservative	Chain o	1 of
LRS, Inc. P.O. Box 1260 205 6th Avenue Ashville, Alabama 359 (205) 594-1445 wgaston@lab-resource			ABC (P.O. Box Birmingha	10246 im, AL 3520 Contact	02 OJE	2	2.0				& Solutions, Inc. (I	rces
	onic Toxicit			City/State colle Birmingham, A P.O. #			0/E1002.0	non-preserved)				
Collected by (signature): Collected by (signature): Collected by (signature): Packed on Ice? N_ Y_	Project T		y LRS 00%) 00%) 00%)	Lab Login Dai Date Resu	e) its Needed:	Number of Containers	Chronic Toxicity E1000.0 /	1-galton HDPE,			Laboratory: Environmental Resource Analysts 2975 Brown Court Aubum, AL 36830	i, inc.
Sample ID 001 Discharge	Comp/Grab			End Date*		Na 1		X (One			Sample Remarks	-0
							·					
Matrix: SS-Soil/Solid GW-Grour									— Ra	infall in Inches	ρH Τεπτρ Flow Other	
Relinquished by:(Signature) Relinquished by:(Signature) Relinquished by:(Signature)	Date: 7-17-18	Time: 1400	Received by:	Signature)	nut			eles returned via; Fedi		her_draf Bottles Received:	Condition (lab use only	
Relinquished by:(Syljnature)	1//////////////////////////////////////	700 Time:	Received for I	ab by (Signatur	e)		Date:	avolo		Time:	pH Checked: NCF:	

Client US	Sample # 183523
ERA LAB ERA Cooler Rece	eipt Form 18352
1. Condition of Cooler Upon Unpacking	
A. Date & Time of Cooler Unpacking 91818	1120 Receiving Analyst:
B. Method of Delivery:	
Fed Ex UPS USPS ERA Driver Tracking Number	Client Drop Off Other Present & Broken Present & Present &
C. Condition of Custody Seal upon arrival: Absent	by ERA Driver sealed broken
2. Condition of Cooler Contents	
A. Chain Of Custody Information: Completed B. Cooling Process Solid Ice Ice pack C. Packaging Materials: Bubble Wrap None D. Broken Bottles? No Yes	Incomplete, Dry Ice None Other Other: If yes, which?
E. Temperature °C 4-6 Thermometer ID: Hach	Time: 112-2 Initials: AF
	ing of Cooling process
3. Sample Information and Verification	
A. Sample Numbers match Chain of Custody? Correct bottle types used for each sample? All samples arrived within holding time? B. Were all samples requiring preservation yes verified & marked on the Chain of Custody? C. Samples with preservative yes, no preservatives needed have been checked and are in ho, see preservative info the correct pH range? No, see preservative info wot applicable D. Hexane Lot for O&G D. Hexane Lot for O&G R. Trip Blanks Absent Present N/A 4. Comments and Resolutions	2 Preservative Lot # 3 pH Strip Lot # 4 Date/Time/Initials
A. Was a non-conformance form needed for any samples received for any s	ved in the cooler? Yes No
5. Analyst Conformation The information regarding cooler, chain of custody, and sample reco	eint is correct and verified by the analyst. If conditions
are not met the appropriate actions were taken by the Date/Time 9/18/18/1195 Initial:	receiving analyst and/or the lab manager. QA/QC Review By:

Page 1 of 1

Billing Information:			LRS Clie	nt Inform	ation:		21	A	nalysis	s/Cont	ainer/P	rese	rvative	1	1		Chain of Custon Page 1 of
LRS, Inc. P.O. Box 1260 205 6th Avenue Ashville, Alabama 3599 (205) 594-1445 (vgaston@lab-resource			ABC (P,O. Box Birmingha	10246 m, AL 352	02		1-gallon HDPE, non-preserv									& Solutions, A Laboratory Se	Resources Inc. (LRS)
			Mr. David	Vance			1-ga					П					AAA
Project Name: 001 Chr	onic Toxic	ity		City/State colle Birmingham, A			(One								n		₹ /4
D. Vance	Permit#: AL	0003417		P.O. #	addama								Ш				
Collected by (signature):	Project	Turnaround	(Begins on I	Lab Login Da	te)		E1000.0								IN	The second section	
-11/	RUSH? P	lease Noti	fy LRS	Date Resi	ilts Needed:	9								ч		Laboratory:	
Packed on Ice? N_ Y.		ame Day (2 Next Day (10 Two Day (5 Three Day (2	00%) 0%)	1.7		Number of Containers	Chronic Toxicity									Environmental Resource 2975 Brown Court Auburn, AL 36830	e Analysts, Inc.
Sample ID	Comp/Grab	Start Date	Start Time	End Date*	End Time*	N		4		1					-	Sample R	emarks
001 Discharge	Comp.	9-18-18	030	9-19-18	8730	1	X	1 1		195							
183536-01				7			\vdash			_1		-	-	-		242	
						-					+	-	-	+	+		
				-		-		-			+	-	-	+	+		
								+			+				+		
						-	1	+							+		
													5				
													-1				
							127						ă.				
Matrix: SS-Soil/Solid GW-Groun										_	Ra	infall	in Inche	46		pHFlow	Temp
Polinguished by: (Signature)	Date:	Time:	Received by:(8		wt)		s returned v	ia: FedE	Ex_U		_					(lab use only)
ettoquished by:(Signature)	PENIS	10.31	Received by: (Signature)			Temp:	2	9	00	/		Receive	d:		all Charlest	MPE-
Relinquished by:(Signature)	Date:	Time:	Received for	eil V	(p)		Date	20/18	1.	20	. 17	Time:				pH Checked:	NCF:

100 C. 1	
N. S.	11.0
C. Macha	1 63
FRAL	AB

Client US PBC Coxe

Sample #.

ERA Cooler Receipt Form

_	Condition of Cooler Upon Unpacking
۸.	Date & Time of Cooler Unpacking 010018/1031 Receiving Analyst: +
3.	Method of Delivery:
	Fed Ex UPS USPS ERA Driver Client Drop Off Other
	Tracking Number Present & Broken Present & Present &
c.	Condition of Custody Seal upon arrival: Absent by ERA Driver sealed broken
2, (Condition of Cooler Contents
A.	Chain Of Custody Information: Completed Incomplete,
в.	Cooling Process Solid Ice Ice pack Dry Ice None Other
C.	Packaging Materials: Bubble Wrap None Other:
D.	Broken Bottles? No Yes If yes, which?
E.	Temperature °C 2.9 Thermometer ID: 10WA Time: 1032 Initials: AF
	Reason for incorrect Frozen Beginning of Cooling process Ice melted
	temp: (>6.0°C) Other
2	Sample Information and Verification
=	
Α.,	Sample Numbers match Chain of Custody? Yes You No, Welsto Bernade
	Correct bottle types used for each sample? Yes No,
	All samples arrived within holding time? Yes No,
B.	Were all samples requiring preservation Yes No,
	verified & marked on the Chain of Custody? Additional Preservative information
C.	Samples with preservative Yes, no preservatives needed 1 Preservative Type:
	have been checked and are in the correct pH range? No, see preservative info 2 Preservative Lot #
	Not applicable 3 pH Strip Lot #
D,	Hexane Lot for O&G N/A 4 Date/Time/Initials
E.	Trip Blanks Absent Present N/A
	Comments and Resolutions
A.	Was a non-conformance form needed for any samples received in the cooler? Yes No
	If yes, Date Started: Analyst:
B.	Additional Comments:
5.	Analyst Conformation
Th	ne information regarding cooler, chain of custody, and sample receipt is correct and verified by the analyst. If condition
	are not met the appropriate actions were taken by the receiving analyst and/or the lab manager.
	Date/Time 9/20/18 1033 Initial: AF QA/QC Review By: BH

Billing Information:	A		LRS Clie	nt Inform	ation:				An	alysis/	Contain	er/Pre	eservati	ve		Chain of Custo
LRS, Inc. 2.0. Box 1260 05 6th Avenue Ashville, Alabama 359 205) 594-1445 vgaston@lab-resource			ABC (P.O. Box 1) Birmingha	10246 m, AL 352	02	3	4									& Solutions, Inc. (LRS) A Laboratory Service Provider
			Mr. David	Vance City/State colle	. (°	Y	07.0	(p			4					A STATE OF THE STA
Project Name: 001 Chr	onic Toxic			Birmingham. A			E1000.0 / E1002.0	non-preserved)		М						
A Bourguary	Permit#: ALI	0003417		P.O.#	,	H	000	n-pre					П			
ollected by (signature):			(Begins on L		te) ults Needed:		E10									
e Boyl acked on Ice? N_ y_		ame Day (2) lext Day (10) Two Day (5) Three Day (2)	00%) 00%) 0%)	2.33.110		Number of Containers	Chronic Toxicity	One 1-gallon HDPE,								Laboratory: Environmental Resource Analysts, Inc. 2975 Brown Court Auburn, AL 36830
Sample ID			Start Time		End Time*	_	-			-		4	+		-	Sample Remarks
- 001 Discharge	Comp.	9-20-18	0730	9-21-18	0730	1		X	-	-	- 2	+	+-		-	
83553-01	-	- 1					-			-	+	+	+-	-		
	+							-			+	+				Ya Ya
				11.50					4							
J.			alt-				-					+				
-/			112		- e-		-				-	+	+		-	
X /	-					-				-		+	+			
											\neg		1 48			
										_				1		0.512 E.103
Matrix: SS-Soll/Solid GW-Groun										-	-	Pala	fall in Ir	ahar		pH Temp Flow Other
roject Remarks: *End Date and elinquished by:(Signature)	Date:	Time:	Required by:(8	Signatur	a rom con	npos				; FedE)	UPS		Man William	iciles_	=	Condition (tab use only)
(anoquished by:(Signature)	9-71-18 Date:/	Time:	Received by: (Signature)		_	Temp	22	0	,	00	Bo	ttles Rec	eived:		
South muth	9/21/18	12.01			h)	_	Date:		1	6	0	Tir	ne:		_	pH Checked: NCF:
Relinquished by:(Signature)	Date:	intie,	I The said	ab by: (Signatu	7'		-	a	1 -	. 1	1	1.0		22	3	The state of the s

570. ()	000
W. Kriti	
ERA	LAB

Client ABC Coke

Sample #. TBO

ERA LAB ERA Cooler Receipt Form
1. Condition of Cooler Upon Unpacking
A. Date & Time of Cooler Unpacking 9- 21-18 12:27 Receiving Analyst: 614 AF
B. Method of Delivery: Fed Ex UPS USPS ERA Driver Client Drop Off Other Tracking Number Present & Broken Present & Present &
C. Condition of Custody Seal upon arrival: Absent by ERA Driver sealed broken
2. Condition of Cooler Contents
A. Chain Of Custody Information: Completed Incomplete,
B. Cooling Process Solid Ice Lee pack Dry Ice None Other
C. Packaging Materials: Bubble Wrap None Other:
D. Broken Bottles? Ves If yes, which?
E. Temperature °C 2.6 Thermometer ID: U1- Time: 12:27 Initials: BH
Reason for incorrect Frozen Beginning of Cooling process Ice melted temp: (>6.0°C) Other
3. Sample Information and Verification
A. Sample Numbers match Chain of Custody? Correct bottle types used for each sample? Yes No, All samples arrived within holding time? Were all samples requiring preservation yerified & marked on the Chain of Custody? C. Samples with preservative Yes, no preservatives needed have been checked and are in the correct pH range? No, No, Additional Preservative information 1 Preservative Type: 2 Preservative Lot # 3 pH Strip Lot # D. Hexane Lot for O&G N/A 4 Date/Time/Initials Also No Additional Preservative information 1 Preservative Type: 2 Preservative Lot # 3 pH Strip Lot # 4 Date/Time/Initials
A. Was a non-conformance form needed for any samples received in the cooler? If yes, Date Started: B. Additional Comments: Yes No No No
5. Analyst Conformation
The information regarding cooler, chain of custody, and sample receipt is correct and verified by the analyst. If conditions are not met the appropriate actions were taken by the receiving analyst and/or the lab manager.
Date/Time 9-21-18/12:27 Initial: BN /AF QA/QC Review By:

SOP 609.5

Q/A Rev'd By

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Date:	Time St Time Fir ac Lot st Lot /ol Fed F		9/26/ cell g/L	2018 15:0 2018 13:0 s/mL Solids 130	3*1	Cest #	Appl — to	74	- 166	pE DC Th	Meter Meter	Probe eter ID riod:	Al	91718AF 315-3/24 /SI 2/2 indiana tht / 8 Hrs Dark 20 mLs	Age Of	Test Organisms 0-8 Hrs		
Test Day	1	2	3	4	5	6	7	8	9	10	POTAL	pH OLD	DO OLD	att colour and to the	MHRW Dilution Lot	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
Start	1	1	1	1	1		I	1	1	1	10	N/A	N/A 8.3	N/A = 24.0	3651	9/18/18 15:00 AF	17:00	N
1	1	1	1	1	1	1	1		1	1	10	7.8 7.8	8.1 8.4	25.5 24.2	3651	9/19/18 15:00 AF	17:00	N
2	1	1	1	I Signal	1	1	I	1	1	1	10	7.8 7.6	8.2 8.4	25.6 24.1	3653	9/20/18 15:00 AF	17:00	N
3	1	i	1	1	1	1	I I	1	1	1	10	7.7	8.2 8.4	25.9 24.1	3653	9/21/18 14:00 AF	16:00	N
4	1	1	1	1	1 经	1	I	1 2 1	1	I	10	7.7 - 7.6	8.3 8.3	25.3 25.0	3654	9/22/18 14:00 RR	16:00	N
5	1 3 I wind	1 6 1 car	1 5 1 cm	1	1 4 1 m	1 8 1 cm	1 5 1 min	1 5 1 m	1 8 7 er	1 Felici	10	7.7	8.1	25.6 25:0	3655	9/23/18 15:00 HA	17:00	N
6	i Mise	1	1	1	1 7 2 ent	1	1	1 27 2 ne	1	I	10	7.7	7.7 8.5	25.3 24.1	3655	9/24/18 13:00 AF	17:00	N
7	I 6 2 end	1 5 2jest	1 12 2 esc	1 12 2 end	I	1 6 2 en	1 6 2 end	1	1 7 2 en	I 8 2 end	10	7.7	7.9	25.6 24.2	3655	9/25/18 13:00 AF	17:10	N
8	1 12 3 end	1 8 3 ent	1 8 3 en	1 10 3 end	1 10 3 enk	1 12 3 ex	1 9 ³ en	10 3 60	1 12 3 to	1 8 3 cm	10	7.7 N/A	8.2 - N/A	25.7 N/A	N/A	No Water Change 9/26/18 13:00 AF	N/A	N
eonates bservation	21 ns Key:	19	25	23	21	26	20 "	24	27	25	Comm	7.6 7.9 nents:	7.7 8.5	24.0 25.9	Test Mini Test Max			
Num	er Livin	g ON OS od # LET	Normal = On Bo = On Sur TH= Leth = Small	face	ERI UM PRI	R= Erratio		ing	F =	= Clear/C Film DY = Clor = Caught	udy		N/A = Not End= M= Male	End of Brood		AVERAGE # Neonates per Fo 22.9	emale	
[masts	- ALINE TO VICTOR	IN ADM								virenment 2 Au	al Resea	L 36830	. Inc.					

SOP 609.5

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Te	st#		74	-166		Clie	ent:	81 - 51	5/3/4		LRS	- ABC Coke		8C 64		Age of Test organisms:	0-8 Hrs	
	e Type:		effluci															
% Dil	lution:	_	16															
est Day	1	2	3	4	5	6	7	8	9	10	POTAL	pH OLD	DO OLD	Temp 'C OLD	Sample # Used	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs
	1	1	1	1	1	1	1	1	1.	1		N/A	N/A	N/A				
Start	900 800		MS 15%		SW INF						10	77	8.4	24.2	183523-016	9/18/18 15:05 AF	17:00	N
	1	1	1	101	1	1	1	1	1	1		7.9	8.1	25.5				
1							rie (V)	17. 19			10	7.6	8.9	25.7	183523-01b	9/19/18 15:05 AF	17:00	N
1.1	1	1	1	1	1	1	1	1	1	1		7.8	8.1	25.5				
2	(海) (計)		15 Aug		Maria Sala			14.70		圖湯	10	7.6	8.6	24.9	183536-01b	9/20/18 15:05 AF	17:00	N
	1	1	1	1	1	1	1	1	1	1		7.9	8.3	25.8				
3	翻翻	E W	100 Miles	观剧 高性	100 m					3- 1 en	10	7.6	8.7	25.6	183536-01b	9/21/18 14:05 AF	16:00	N
100	1	1	1	1	1	1	1	1	1	1		7.6	8.6	25.5				
4	A 30	5 lend	2 164		6 Fend		4 lend				10	7.6	8.7	25.4	183553-016	9/22/18 14:05 RR	16:00	N
100	1	1	I	1	1	1	1	1	1	1		7.6	8.4	25.6				
5	3 1 44	5. 2 end	8 2 cod	6 Tend	7 2 end	I Lend	200	7 I an	7 1 cm	10 2 es	10	7.7	8.7	25.0	183553-01b	9/23/18 15:05 HA	17:00	1
10.1	I	1	I	1	1	1	1	1	1	1		7.8	7.8	25.4				
6	6 2 5 6		7	漂要	图景		0	1 (F		1.8	10	7.6	8.5	24.8	183553-01b	9/24/18 13:05 AF	17:00	N
	1	1	1	1	1	1	1	1	1	1		7.7	7.9	25.5	TO THE			
7	13 3 end	8 3 end	6 3 and	10 2 end		6 2 end	15 3 enc	5 2 en	8 2 and	13 3 60	10	7.7	8.5	25.1	183553-01b	9/25/18 13:05 AF	17;10	1
0.1	1	1	1	1	1	1	I	1	1	1		7.8	8.0	25.7		No Water Change		
8			Sep 549	3 and	12 3 trad	11 3 mid	IN N	13 3 00	5 3 enx		10	N/A	N/A	N/A	N/A	9/26/18 13:05 AF	N/A	N
nates	22	18	23	19	25	18.	24	25	20	26		7.6	7.8	24.2	Test Minimus	n		
servatio	ns Key:											7.9	8.9	25.8	Test Maximu	m		
											Comm	ents:						
		N-	Normal		DM	- Dadinu	late Marte				_					AVERAGE # Neonates per Fe	emale	
Nomi	ber Livin		= On Bot	tom	0.5.5	E 400 C C C	Swimmi		CL	= Clear/C	Colorless		N/A = Not	Applicable		22		
			= On Surf				solved Ma	-	F=	Film				End of Brood				
Neona	ates Bro		TH= Letha	ırgic		= Precip			1.00	DY = Clo			M= Male					
影響	SEE SEE	SM	= Small		FC	= Flared (Carapace			= Caugh					_	1		
									F		2975 B Auburn.	source Analys rown Ct. AL 36830 502-3444	ts, Inc.					

Q/A Rev'd By

7 DAY FATHEAD MINNOW TOXICITY TEST EPA METHOD 1000.0 SOP 610.5 Age Of Organisms 31-33 hrs 091818AF 9/18/18 15:10 Randomization Board # Date/Time Start pH Meter/Probe AB15-3/24 9/25/18 14:30 Date/Time Finish 74-166 YSI 2/2 DO Meter/Probe Test #: Indiana CONTROL for Test Thermometer ID Source: ABS Lot: 842 16 hrs Light / 8 Hrs Dark Photoperiod: Brine Shrimp Lot# Water Volume: 250 mLs Feed AMI Shirms Analysis & Water Change Temp 'C OLD MHRW pH OLD DO OLD Lot Test Feed PM/ Shrim Dilution Lot Day Temp C NEW Date/Time/Analyst Obs. DO NEW DH NEW 2 3 4 # Alive 1 N/A N/A N/A N/A Start 24.0 17:30/091718AF N 9/18/18 15:10 RR 3651 40 83 10 10 10 10 8:55/091312AF 7.1 25.4 7.6 1 17:30/091818AF 25 0 N 7.7 3652 9/19/18 16:40 HA 40 10 10 10 10 0845/091918AF 7.6 7.7 24.9 2 7.6 141 16:30/091918AF N 8.4 9-20-18 13:10 BU 3653 10 10 40 10 10 8:45/092018AF1 7.4 7.6 25.4 3 3.7 16:30/09201SAF2 N 09/21/18 13:10 HA 2-3653 10 40 10 10 10 9:05/092118AF2 7.1 25.7 7.5 14:00/092118AFZ N 8.3 24.3 3654 09/22/18 13:10 HA 10 40 10 10 10 10:30/092218HAI 25.7 7.5 7.0 5 19:00/092318RR1 7.7 25.0 9/23/18 13:10 RR N 3655 39 10 9 10 10 8:35/092318RRI 7.4 5.8 25.5 6 3.5 15:30/092318HA2 N 24.1 9/24/18 15:00 AF 3655 9 10 10 39 10 No Water Change 24.5 N/A 7.4 5.9 7 N/A 9/25/18 14:30 RR N N/A N/A N/A N/A 9 10 10 39 10 7.4 5.8 24.0 Test Min 25.7 7.9 8.5 Test Max Comments: Observations Key: N = Normal N/A = Not Applicable ON = On Bottom CL = Clear/Colorless PRE = Precipitate CLDY = Cloudy 1 = Living OS = On Surface ERR = Erratic Swimming F = Film FC = Flared Carapace 0 = Dead LETH= Lethargic M=Male CO = Caught On UM = Undissolved Material SM= Small Environmental Resource Analysts, Inc. 2975 Brown Ct. Auburn, AL 36830 (334) 502-3444

Al-		P 610.5		Client:			- ABC Coke	TOXICITY					
	le Type lution:	effluent		Chent.		Like	ADC CORC						
Test Day	1	2	3	4	# Alive	pH OLD	DO OLD	Temp 'C OLD	Feed AM/ Shirmp Lot Feed PM/ Shrimp Lot	Sample # Used	Analysis & Water Change Date/Time/Analyst	pH 100%	Obs
tart	10	10	10	10	40	N/A 7 7	N/A 8-9	N/A 24.2	N/A 17:30/091718AF	183523-01b	9/18/18 15:15 RR	7.5	N
1	10	9	9	10	38	7.5	6.9 8.9	25.5 25.7	8:55/091818AF 17:30/091818AF	183523-01b	9/19/18 16:45 HA	8.0	N
2	9	9	9	10	37	7.6	7.5 8.6	25.2 24.9	0845/091911AF 16:30/091918AF	183536-01b	9-20-18 13:15 BU	7.5	N
3	9	9	9	10	37	7.4 7.6	7.0 8.7	25.3 25.6	8;45/092018AF1 16:30/092018AF2	183536-01b	09/21/18 13:15 HA	7.6	N
4	9	9	9	10	37	7.5	6.7 8.7	25.6 25.4	9:05/092118AF2 14:00/092118AF2	183553-01b	09/22/18 13:15 HA	7.6	N
5	9	9	9	10	37	7.5 7.7	6.9 8.7	25.6 25.0	10:30/092218HA1 19:00/092318RR1	183553-01b	9/23/18 I3:15 RR	7.6	N
6	9	9	9	10	37	7.5 7.6	6.0	25.4 24.8	8:35/092318RR1 15:30/0923192HA2	183553-01b	9/24/18 15:05 AF	7.8	N
7	9	9	9	10	37	7.5 N/A	6.7 N/A	24.5	N/A N/A	N/A	No Water Change 9/25/18 14:35 RR	7.8	N
-	y	,	,	1 10	Test Min	7.4 7.7	6.0	24.2					
Obser	rvations Key	y:	N=	Normal					Comme	nts:			
N	I/A = Not Ap I = Livit 0 = Dea	ng	OS = C LETH=	On Bottom on Surface Lethargic Small	FC = F	= Precipitate lared Carapace = Caught On	F=	= Cloudy = Film ssolved Material		CL = Clear/Col- R = Erratic Sw			
						Environ	2975 Brown (Auburn, AL 36 (334) 502-344	Ct. 830					

Q/A Rev'd By AC

ID: DWDFM Revision:Original Effective: 03.05.2018

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL

Test#		74 -166		Balance#:	2	
Date/Time/Analyst In Oven:	9/25/18	3 15:30 RR	Date/Time/Anal	lyst Out Oven:	9/26/18 15:3	0 HA
Temp C In:	60.0	Thermometer ID:	Hawaii	Temp C Out:	60.0	
Sample & Concentration	Replicate #	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)
Blank	1	1.02372	1.02365	N/A	N/A	N/A
	1	1.03055	1.03515	10	0.460	
Control	2	1.03444	1.03844	9	0.400	
Control	3	1.02351	1.02791	10	0.440	
	4	1.00741	1.01188	10	0.447	0.437

QA'd by_____

Test Number:

74 - 166 Client:

LRS-ABC Coke

Sample & Concer	itration	Replicate#	Weight of Tin (g)	Weight of Tin Plus Dry Larvae (g)	Number of Larvae	Mean Dry Weight of Larvae (mg) n=10	Treatment Mean (mg)
		1	1.04139	1.04534	9	0.395	
% Dilution:	16	2	1.04802	1.05206	9	0.404	
		3	1.05417	1.05810	9	0.393	
Sample Type:	ffluent	4	1.01698	1.02136	10	0.438	0.408
		1					
% Dilution:		2					l l
34		3					
Sample Type:		4					
		1					
% Dilution:		2			- 19pit		
		3					
Sample Type:		4					
		1					
% Dilution:		2					
		3					
Sample Type:		4			-16		
		1					
% Dilution:		2					
		3					
Sample Type:		4			mule a west		

QA'd By Y

Start Date: End Date: Sample Date:	9/18/2018	1	ERA	EPA/600/4		Sample ID Sample Ty Test Spec	pe:	oduction EFF EFF2-Industrial CD-Ceriodaphnia dubia		
						1				
Comments:	stat analy			5	6	7	8	9	10	
	stat analy			5 21.000	6 26,000	7	8 24.000	9 27.000	10 23.000	

7.1		17.3.15.15	1000	Transforn	n: Untran	sformed		200	1-Tailed	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD
Control	22,900	1.0000	22.900	19.000	27.000	11.544	10	V.CV.		
Eff			22.000	18.000	26.000	13.887	10	0.704	1.734	2.215

Auxillary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test Indicates normal distribution (p > 0.01)	0.92266		0.868		-0.0656	-1.4027
F-Test Indicates equal variances (p = 0.67)	1.33545		6.54109			100/0
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	2.21541	0.09674	4.05	8.16111	0.49016	1, 18
Treatments vs Control						

			La	rval Fish Growth and Surviv	al Test-7 Day Su	ırvival
Start Date: End Date: Sample Date: Comments:	9/18/2018		Lab ID:	74-166fh ERA EPAF 94-EPA/600/4-91/002	Sample ID: Sample Type: Test Species:	EFF EFF2-Industrial PP-Pimephales promelas
Conc-%	1	2	3	4	U.S. Carlotte	
Control	1.0000	0.9000	1.0000	1.0000		
eff	0.9000	0.9000	0.9000	1.0000		

					Tra	ansform:	Arcsin Sc	uare Roof	0.00	Cart in the U.S.	1-Tailed		
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD			
Control	0.9750	1.0000	1.3713	1.2490	1.4120	5.942	4			W.C.W.			
eff	0.9250	0.9487	1.2898	1.2490	1.4120	6.318	4	1.414	1.943	0.1120			

Auxiliary Tests	Statistic		Critical		Skew	Kurl
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.93016		0.749		0	0
F-Test indicates equal variances (p = 1.00)	1		47.4672			
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences Treatments vs Control	0.05464	0.05688	0.01328	0.00664	0.20703	1, 6

Page 1

	Larval Fish Growth and Survival Test-7 Day Growth									
Start Date: End Date: Sample Date: Comments:	9/18/2018		Lab ID:	74-166fh ERA EPAF 94-EPA/600/4-91/002	Sample ID: Sample Type: Test Species:	EFF EFF2-Industrial PP-Pimephales promelas				
Conc-%	1	2	3	4						
Control	0.4600	0.4000	0.4400	0.4470						
eff	0.3950	0.4040	0.3930	0.4380						

			Transform: Untransformed				T-11.00	1-Tailed			
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	
Control	0.4368	1.0000	0.4368	0.4000	0.4600	5.922	4		V 4/3/20	the line	
eff	0.4075	0.9330	0.4075	0.3930	0.4380	5.126	4	1.760	1.943	0.0323	

Auxillary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.97945		0.749		-0.2333	-0.2218
F-Test indicates equal variances (p = 0.73)	1.53304		47.4672			
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences	0.0323	0.07396	0.00171	0.00055	0.12896	1,6
Treatments vs Control		2017				

Toxicity Benchsheet

Client:

74 LRS- ABC Coke

	CHUIL	•	77 22100	TIDE CORE				
Sample	Sample#	Collection Date/Time	pH 100%/ Temperature(*C)	TRC mg/L	Analysis Date/Time/ Analyst	pH Meter/Probe	TRC Meter	
#1	183523-01Ь	9/17/18 7:30	7.5/24.3	N/A	9/18/18 14:00 AF	AB15-3/24		
#2	183536-01b	9/19/18 7:30	7.5/24.8	N/A	9/20/2018 17:22 AF	AB15-3/24	N/A	
#3	183553-01b	9/21/18 7:30	7.6/24.9	N/A	9/21/18 13:35 AF	AB15-3/24	N/A	

Q/A Rev'd By