

NPDES Permitted High Risk Inspections

ABC Coke

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.3	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.7	*****	7.7		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	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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	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		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	11/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

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

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		Signed By E2	205-849-1342	11/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR
 Jefferson
COUNTY:
PROGRAM: Industrial
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

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

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		Signed By E2	205-849-1342	11/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.62	*****	7.68		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	8.5 maximum daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	19.5	40.6		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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.30	0.37		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	2.0 monthly average	4.0 maximum daily	19 mg/l		2X Monthly	Grab

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		Signed By E2	205-849-1342	11/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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		Signed By E2	205-849-1342	11/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

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

Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period: 2017-10-01 To: 2017-10-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	2.2	2.2	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****			Monthly	Composite
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.4	0.4	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****			Monthly	Composite
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****			Weekly	Composite
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	0.020	0.030	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	25199	31463	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	0.02	0.02	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****			2X Monthly	Grab

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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 Tarrant, AL 35217

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 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****				
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****				
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	3203	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	5.8	7.0	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	56 Monthly Average	84 Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.</small>					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021
 Monitoring Period: 2017-10-01 To: 2017-10-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.62	*****	7.68		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	19.5	40.6		0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	2.4	3.3		*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.30	0.37		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.20	0.32		0	2X Monthly	Grab
	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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Dry Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417

MONITORING POINT: 0021

COUNTY: Jefferson

POINT:

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.511	1.777	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.)						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)		

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

002 STORM WATER MONITORING

SAMPLE DATE:	10/4/2017
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	11:05 AM
WEATHER CONDITIONS:	CLEAR
CREEK CONDITIONS:	CLEAR
INITIAL STAFF LEVEL: 78" DATE: 10/4/2017	
VOLUME: 15,940,897 GALLONS	
FINAL STAFF LEVEL: 44" DATE: 10/9/2017	
VOLUME: 8,220,490 GALLONS	
TOTAL DISCHARGE VOLUME: 7,720,407 GALLONS	
DAILY AVERAGE FLOW: 1.544 MGD	

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
NAPHTHALENE (ppd):	BMDL
MANGANESE,T (mg/L):	0.083
IRON, T (mg/L):	0.223
O & G (mg/L)	BMDL

SAMPLE DATE:	10/16/2017
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	11:15 AM
WEATHER CONDITIONS:	CLEAR
CREEK CONDITIONS:	CLEAR
INITIAL STAFF LEVEL: 84" DATE: 10/16/2017	
VOLUME: 17,372,016 GALLONS	
FINAL STAFF LEVEL: 46" DATE: 10/21/2017	
VOLUME: 8,487,870 GALLONS	
TOTAL DISCHARGE VOLUME: 8,884,146 GALLONS	
DAILY AVERAGE FLOW: 1.777 MGD	

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):	
NAPHTHALENE (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
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	9:45 AM
WEATHER CONDITIONS:	CLOUDY
CREEK CONDITIONS:	CLEAR
INITIAL STAFF LEVEL: 74" DATE:	10/27/2017
VOLUME:	15,088,910 GALLONS
FINAL STAFF LEVEL: 48" DATE:	11/1/2017
VOLUME:	9,024,672 GALLONS
TOTAL DISCHARGE VOLUME:	6,064,238 GALLONS
DAILY AVERAGE FLOW:	1.213 MGD

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):	
NAPHTHALENE (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:	
TOTAL DISCHARGE VOLUME:	
DAILY AVERAGE FLOW:	

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		9.3	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		7.0	*****	7.5		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	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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.1	1.2		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	6.8	7.0		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.7	1.2		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	12/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
IRON, TOTAL (AS FE)	Sample Measurement	1.5	1.5	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily		*****	*****	*****		*****	0	Monthly
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.2	0.2	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily		*****	*****	*****		*****	0	Monthly
BENZO (A) PYRENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily		*****	*****	*****		*****	0	Weekly
NAPHTHALENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily		*****	*****	*****		*****	0	Monthly
PHENOLS	Sample Measurement	0.010	0.020	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily		*****	*****	*****		*****	0	2X Monthly
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.30531	0.34542	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	0	Daily
CYANIDE, FREE AVAILABLE	Sample Measurement	0.02	0.02	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily		*****	*****	*****		*****	0	2X Monthly

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
		Signed By E2	205-849-1342	12/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	pass(0)/fail	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	5040.0	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.3	10.0	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	12/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.77	*****	7.11		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	8.5 maximum daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	16.2	23.6		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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.82	0.95		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	3.0 monthly average	6.0 maximum daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.08	0.09		0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	12/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.339	1.491	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	12/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

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

MONITORING POINT: 0011

COUNTY: Jefferson

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue
Tarrant, AL 35217

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO) PARAM CODE: 00300 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		9.3	*****	*****	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****				
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		7.0	*****	7.5	12 S.U.	0	Daily	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9.0 Maximum Daily				
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	4.8	13.0	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	342 Monthly Average	513 Maximum Daily		*****	*****	*****				
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily		*****	*****	*****				
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	1.1	1.2	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily		*****	*****	*****				
NITROGEN, KJELDAHL TOTAL (AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Sample Measurement	6.8	7.0	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	66 Monthly Average	99 Maximum Daily		*****	*****	*****				
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	0.7	1.2	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246
Birmingham, AL35202-0246

MONITORING POINT: 0011

COUNTY: Jefferson

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue
Tarrant, AL 35217

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	1.5	1.5	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****			Monthly	Composite
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.2	0.2	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****			Monthly	Composite
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****			Weekly	Composite
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	0.010	0.020	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	0.30531	0.34542	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	0.02	0.02	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246
Birmingham, AL35202-0246

MONITORING POINT: 0011

COUNTY:

Jefferson

FACILITY: Abc Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

Tarrant, AL 35217

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

NO DISCHARGE FROM SITE:

()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		*****	0		*****	*****	*****				
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	5040.0	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	8.3	10.0	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	56 Monthly Average	84 Maximum Daily		*****	*****	*****			Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246
Birmingham, AL35202-0246

MONITORING POINT: 0021

COUNTY: Jefferson

FACILITY: Abe Coke Div Drummond Co Inc

LOCATION: 900 Huntsville Avenue

Tarrant, AL 35217

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.77	*****	7.11	12 S.U.	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily			Weekly	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	16.2	23.6	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily			Weekly	Grab
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	*B	*B	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	1.79	2.49	26 lbs/day	*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.82	0.95	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily			2X Monthly	Grab
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.08	0.09	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246
Birmingham, AL35202-0246

MONITORING POINT: 0021

COUNTY: Jefferson

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue
Tarrant, AL 35217

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.339	1.491	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone 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:

Courtney Snow

Courtney 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. GENERAL:

NPDES PERMIT NO.: AL0003417 DSN: 001 COUNTY: Jefferson
 Permittee: ABC Coke, Inc.
 Facility Name: ABC Coke WWTP
 Agent Submitting Report: Mr. Jeff McCord
 Lab Conducting Toxicity Test(s): ERA, 2975 Brown Ct., Auburn, AL 36830
 Months To Test: Monthly
 This Report for Toxicity Test(s) Required for the Month of: Nov
 Scheduled Test(s): Yes No Accelerated Test(s): Yes No
 Accelerated Test Number of For Failed Scheduled Test Date:
 Test Type Required: -Hr Acute Screening: -Hr Acute Definitive:
 Short-term Chronic Screening: Short-term Chronic Definitive:

Test Organism: Ceriodaphnia dubiaTest Organism: Pimephales promelas

Sam No.	Date/Time Start MM/DD/YY HH:MM	Date/Time Ended MM/DD/YY HH:MM	Control Valid	Date/Time Start MM/DD/YY HH:MM	Date/Time Ended MM/DD/YY HH:MM	Control Valid
1	11/07/17 14:00	11/14/17 13:00	Yes	11/07/17 14:30	11/14/17 16:30	Yes

2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:

Test Org.	Eff. Conc	Test Number											
		(1)			(2)			(3)			(4)		
		Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p.	16%	PASS	N/A	PASS									
C.d.	16%	PASS	PASS	N/A									

3. LABORATORY ANALYSES OF UNDILUTED SAMPLE(S):

SAMPLE Id.	BOD5 mg/l	TSS mg/l	NH3 mg/l	pH su	Alk mg/l	Hard mg/l	TRC mg/l	Conductivity µS
1	---	---	0.105	7.74	255	20	---	3570
2	---	---	0.103	7.92	238	33	---	3330
3	---	---	0.237	7.54	211	29	---	3840

Chemical Analyses Performed By (Lab): ERATotal 24-Hour Flow: (1) 0.310 MGD (2) 0.339 MGD (3) 0.306 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.

SIGNATURE OF RESPONSIBLE OFFICIAL: _____ DATE: _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 11/07/17

8. REFERENCE TOXICANT TESTS:

TOXICANT: Sodium Chloride SOURCE: Fisher Scientific CAS#: 7647-14-5
 Solution Concentration Unit: mg/L g/L X % Other (specify)

Chronic:

Test Org.	Test Date MM/DD - MM/DD	Control Water	Reference Test Solution Concentrations (Control to Highest Conc.)					
			0	2.0	4.0	6.0	8.0	10.0
P.p.	11/28/17-12/05/17	MHRW	0	2.0	4.0	6.0	8.0	10.0
C.d.	11/28/17-12/05/17	MHRW	0	0.5	1.0	1.5	2.0	2.5

Test Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit	NUMBER (N)
P.p.	Survival	4.0	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	0.5	0.25 - 1.0	20

Data on File with ADEM Toxic Unit

9. TEST CONDITION VARIABILITY:

9.A. Deviations From Standard Test Conditions:

None

11.C CHRONIC SCREENING TOXICITY TESTS RESULTS (Freshwater):

TEST ORGANISM: Ceriodaphnia dubia

Were Neonates Used to Begin the Test Within 8 hours of the same age?: Yes

Did 60% of the CONTROL Females Produce Their Third Brood? YES: X NO:

SURVIVAL

CHRONIC TOXICITY INDICATED: YES NO X

NO SURVIVAL STATISTICAL ANALYSIS NECESSARY: X

CONTROL(%) 24h 100 48h 100 End 100 EFFLUENT(%): 24h 100 48h 100 End 100

Fishers Exact Test: A = , B = , a = , b =

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN:001 DATE: 11/07/17

REPRODUCTION (Average Neonates/Female)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 22.8 EFFLUENT(%): 25.0

NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:

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:

TEST ORGANISM: Pimephales promelas

MORTALITY

CHRONIC TOXICITY INDICATED: YES NO

CONTROL(%) 24h 100 48h 100 7day 100 EFFLUENT(%): 24h 100 48h 100 7day 98

NO MORTALITY STATISTICAL ANALYSIS NECESSARY:

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

CONTROL: 0.336 mg EFFLUENT: 0.413 mg

NO GROWTH STATISTICAL ANALYSIS NECESSARY:

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:

ing Information:

RS, Inc.

3 5th Street
 hville, Alabama 35953
 (5) 683-6731
 aston@lab-resource.com



LRS Client Information:

ABC Coke

P.O. Box 10246
 Birmingham, AL 35202

"Report to" Contact:

Mr. David Vance

Analysis/Container/Preservative

Chain of Custody
 Page 1 of 1

**Laboratory Resources
 & Solutions, Inc. (LRS)**
 A Laboratory Service Provider



Laboratory:
 Environmental Resource Analysts, Inc.
 2975 Brown Court
 Auburn, AL 36830

ject Name: **001 Chronic Toxicity**

City/State collected:
 Birmingham, Alabama
 P.O. #

lected by: *D Vance*

Permit #: **AL0003417**

lected by (Signature):

D.V.

Project Turnaround (Begins on Lab Login Date)

RUSH? Please Notify LRS

- Same Day (200%)
- Next Day (100%)
- Two Day (50%)
- Three Day (25%)

Date Results Needed:

STO

ected on Ice? N Y

Number of Containers

Chronic Toxicity E1000.0 (One 1-gallon HDPE, non-preserv

Sample ID	Comp/Grab	Start Date	Start Time	End Date*	End Time*	Number of Containers	Analysis/Container/Preservative	Sample Remarks
001 Discharge	Comp.	11-5-17	0730	11-6-17	0730	1	X	<i>174090015</i>

ix: SS-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe) _____ pH _____ Temp _____
 est Remarks: *End Date and Time Indicates When Samples Were Removed from Composite Sampler* Rainfall in Inches _____ Flow _____ Other _____

lected by:(Signature) <i>D Vance</i>	Date: <i>11-6-17</i>	Time: <i>0804</i>	Received by:(Signature) <i>D Vance</i>	Samples returned via: FedEx ___ UPS ___ Other ___	Condition (lab use only)
lected by:(Signature) <i>D Vance</i>	Date: <i>11-6-17</i>	Time: <i>10:20</i>	Received by:(Signature) <i>AO</i>	Temp: <i>2.6°C</i>	Bottles Received:
lected by:(Signature)	Date:	Time:	Received for lab by: (Signature) <i>AO</i>	Date: <i>11/06/17 15:05</i>	Time: <i>15:05</i>
				pH Checked:	NCF:

Signature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com

Information:

, Inc.
 h Street
 e, Alabama 35953
 383-6731
 on@lab-resource.com



LRS Client Information:

ABC Coke
 P.O. Box 10246
 Birmingham, AL 35202

"Report to" Contact:
Mr. David Vance

Analysis/Container/Preservative

**Laboratory Resources
 & Solutions, Inc. (LRS)**
 A Laboratory Service Provider



Laboratory:
 Environmental Resource Analysts, Inc.
 2975 Brown Court
 Auburn, AL 36830

Name: 001 Chronic Toxicity

City/State collected:
 Birmingham, Alabama
 P.O. #

A Bourgeois
 (signature):

Permit #: **AL0003417**

Project Turnaround (Begins on Lab Login Date)

RUSH? Please Notify LRS

Date Results Needed:

- Same Day (200%)
- Next Day (100%)
- Two Day (50%)
- Three Day (25%)

ce? N Y

Number of Containers

Chronic Toxicity E1000.0 (One 1-gallon HDPE, non-preserv

Sample ID	Comp/Grab	Start Date	Start Time	End Date*	End Time*	Number of Containers
001 Discharge	Comp.	11/7/17	0730	11/8/17	0730	1

X

Sample Remarks

17411906

S-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe) _____

pH _____ Temp _____

Remarks: *End Date and Time Indicates When Samples Were Removed from Composite Sampler*

Rainfall in Inches _____ Flow _____ Other _____

by: (Signature) <i>Bourgeois</i>	Date: 11/8/17	Time: 0730	Received by: (Signature) <i>Walter Blake</i>	Samples returned via: FedEx ___ UPS ___ Other ___	Condition (lab use only)
by: (Signature) <i>Walter Blake</i>	Date: 11-8-17	Time: 0900	Received by: (Signature) BG	Temp: 2.5°C	Bottles Received: 1
by: (Signature)	Date:	Time:	Received for lab by: (Signature) BG	Date: 11-08-17	Time: 1545

Signature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com

Information:

S, Inc.
 h Street
 le, Alabama 35953
 683-6731
 on@lab-resource.com



LRS Client Information:

ABC Coke
 P.O. Box 10246
 Birmingham, AL 35202
 359-1117
 "Report to" Contact:
Mr. Jeff McCord

Analysis/Container/Preservative

Chain of Custody
 Page 1 of 1

Laboratory Resources & Solutions, Inc. (LRS)
 A Laboratory Service Provider



Laboratory:
 Environmental Resource Analysts, Inc.
 2875 Brown Court
 Auburn, AL 36830

Name: 001 Chronic Toxicity

City/State collected:
 Birmingham, Alabama
 P.O. #

A Bourgeois

Perm# AL0003417

Signature:

Project Turnaround (Begins on Lab Login Date)

RUSH? Please Notify LRS

Date Results Needed:

- Same Day (200%)
- Next Day (100%)
- Two Day (50%)
- Three Day (25%)

Number of Containers

Chronic Toxicity E1000.0 (One 1-gallon HDPE, non-preservative)

Case? N Y

Sample ID	Comp/Grab	Start Date	Start Time	End Date*	End Time*	Number of Containers											Sample Remarks
001 Discharge	Comp.	11/11/17	0730	11/11/17	0730	1	X										174205-01g

S-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT- Other (Describe) _____ pH _____ Temp _____
 Remarks: *End Date and Time Indicates When Samples Were Removed from Composite Sampler* Rainfall in Inches _____ Flow _____ Other _____

by:(Signature) <i>Bourgeois</i>	Date: 11/10/17	Time: 0730	Received by:(Signature) <i>Stine</i> (0915)	Samples returned via: FedEx__ UPS__ Other__	Condition (lab use only)
by:(Signature) <i>Ngo</i>	Date: 11-10-17	Time: 1030	Received by: (Signature) <i>BG</i>	Temp: 2.4°C	Bottles Received: 1
by:(Signature)	Date:	Time:	Received for lab by: (Signature) <i>BG</i>	Date: 11-10-17	Time: 1430

Signature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com 0937

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

Client: ABC coke

t #: 74-151

Age of Test Organisms: 24-48 hrs

Ambient Laboratory Illumination

Water Volume: 250mL

Source: ABS Lot #: 801

Start Date: 11.07.17

Time: 1430

Brine Shrimp Lot #: 29

End Date: 11.14.17

Time: 11030

Photoperiod: 16hrs. L; 8hrs. D

CONTROL

for DO, pH, and temp. readings: old water/ new water

Number Alive
Replicate Number

Day	1	2	3	4	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/Time/Initials	DO Meter/Probe	pH Meter/Probe	MHRW Lot #	Thermometer ID	Obs
1	10	10	10	10	40	7.32	8.6	24.6	1600	N/A	11.07.17 1430 ZM	YS12 #2	AB153 #12	3468	T13 237 #1	N
2	10	10	10	10	40	7.26	6.8	25.1	1000	AF	11.08.17 1345 AF			3468		N
3	10	10	10	10	40	7.35	6.98	25.3	800	JA	11.09.17 1430 JA	YS12 #2	AB153 #12	3469	T23 237 #1	N
4	10	10	10	10	40	7.31	7.58	25.0	1632	JA	11.10.17 1230 JA			3470		N
5	10	10	10	10	40	7.40	7.7	25.0	1300	SH	11.11.17 11030 SH			3471		N
6	10	10	10	10	40	7.31	7.6	25.2	800	AE	11.12.17 1400 AE			3471		N
7	10	10	10	10	40	7.44	8.7	24.8	1700	AF	11.13.17 1500 AF			3472		N
8	10	10	10	10	40	7.21	6.8	25.3	1000	AF	11.14.17 1630 AF			N/A		

Observations Key

- = On Surface
- = On Bottom
- = Precipitate

- LETH = Lethargic
- ERR = Erratic Swimming
- UM = Undissolved Material

- N = Normal
- FC = Flared Carapace

- CO = Caught On
- F = Film
- PM = Particulate Matter

- N/A = Not Applicable
- CLDY = Cloudy

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

Test #: 74-151

Client: ABC COLE

10 % Effluent

Sample #: 1) 174091 2) 174119 3) 174205

Number Alive
Replicate Number

Test Day	1	2	3	4	# Alive	pH	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	11-07-17 1435 ZM	N	7.82
1	10	10	10	10	40	7.34 7.33	6.5 8.8	25.3 24.10	1000 1700	AF	11-08-17 1350 AF	N	7.92
2	10	10	10	10	40	7.06 7.45	6.64 9.04	26.0 24.8	930 1632	JA	11-09-17 1430 JA	N	2.25
3	10	10	10	10	40	2.27 7.84	2.1 9.2	26.0 25.4	0930 1400	JA	11-10-17 1235 JA	N	2.54
4	10	10	10	10	40	7.30 7.58	7.3 9.2	25.4 24.8	1300 1800	SH	11-11-17 1125 SH	N	7.51
5	9	10	10	10	39	7.29 7.53	7.1 9.0	25.1 25.3	0800 1700	AE	11-12-17 1405 AE	N	7.59
6	9	10	10	10	39	7.10 7.55	7.2 9.1	25.4 25.4	1000 1700	AF	11-13-17 1505 AF	N	7.80
7	9	10	10	10	39	7.76	7.3	25.4	N/A	N/A	11-14-17 1635 AF	N	7.75

Observations Key

OS = On Surface
ON = On Bottom
PRE = Precipitate

LETH = Lethargic
ERR = Erratic Swimming
UM = Undissolved Material

N = Normal
FC = Flared Carapace

CO = Caught On
F = Film
PM = Particulate Matter

N/A = Not Applicable
CLDY = Cloudy

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
Control	1	0.99834	1.00203	10	0.369	0.336
	2	1.00746	1.01062	10	0.316	
	3	1.00823	1.01153	10	0.330	
	4	0.99118	0.99446	10	0.328	
<u>10</u> % Effluent	1	0.99111	0.99480	9	0.369	0.413
	2	0.98472	0.98916	10	0.444	
	3	0.98216	0.98650	10	0.434	
	4	0.97425	0.97831	10	0.406	

Environmental Resource Analysts, Inc.

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Client: ABC coke

#: 74-151

Age of Test Organisms: 6-14 hrs

Ambient Laboratory Illumination

Test Volume: 20mL

Source: ERA

Photoperiod: 16hrs. L; 8hrs. D

Lot #: 267 1.810g/L solids

0.13 mL fed per cup

Test Start Date: 11-07-17

Time: 1400

Lot #: 265 3x10⁷ cells/mL

0.13 mL algae fed/cup

Test End Date: 11-14-17

Time: 1300

CONTROL

for DO, pH, and temp. readings: old water/ new water

1 = Alive, 0 = Dead, M = Male, /# = # neonates

Replicate Number (# Adults/# Neonates)

1	2	3	4	5	6	7	8	9	10	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Chan	Date/Time/Initials	DO Meter/Probe	pH Meter/Probe	MHR W Lot #	Thermo meter ID	Obs
1	1	1	1	1	1	1	1	1	1	10	7.32	8.6	24.6	AF	N/A	11-07-17 1400 AF	NS12 #12	AB153 #12	3468	TB 237 #1	N
1	1	1	1	1	1	1	1	1	1	10	7.39	8.3	25.5	AF	AF	11-08-17 1500 AF			3468		N
1	1	1	1	1	1	1	1	1	1	10	7.41	8.5	25.3	AF	AF	11-09-17 1430 AF			3469		N
1	1	1	1	1	1	1	1	1	1	10	7.37	8.2	25.4	SH	SH	11-10-17 1200 SH			3470		N
1/2	1/5	1/1	1/2	1/3	1/3	1/2	1/4	1/3	1/3	10	7.46	8.3	25.4	SH	SH	11-11-17 1400 SH			3471		N
1	1	1/2	1/3	1/9	1	1	1	1	1/4	10	7.45	8.4	25.5	SH	SH	11-12-17 1400 SH			3471		N
1/6	1/8	1	1	1	1/8	1/3	1/6	1/4	1	10	7.44	8.7	24.8	SH	SH	11-13-17 1500 SH			3472		N
1/16	1/4	1/18	1/19	1/11	1/12	1/18	1/10	1/12	1/17	10	7.41	8.2	25.4	N/A	N/A	11-14-17 1300 AF			N/A		N
24	27	21	24	23	23	23	20	19	24						N/A	N/A					

Observations Key

On Surface LETH = Lethargic

On Bottom ERR = Erratic Swimming

Precipitate UM = Undissolved Material

N = Normal

FC = Flared Carapace

CO = Caught On

F = Film

PM = Particulate Matter

N/A = Not Applicable

CLDY = Cloudy

Average # neonates/female:

22.8

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Test #: 74-151

Client: ABC COKE

10 % Effluent

Sample #: 1) 174091 2) 174119 3) 174205

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

Test Day	1	2	3	4	5	6	7	8	9	10	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/ Time/ Initials	Obs
Start	1	1	1	1	1	1	1	1	1	1	10	7.40	8.8	24.0	AF	NA	11-07-17 1405 AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.59	8.3	25.4	AF	AF	11-08-17 1505 AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.33	8.8	24.0	AF	AF	11-09-17 1505 AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.71	8.2	25.4	AF	AF	11-09-17 1435 AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.45	9.0	24.8	AF	AF	11-09-17 1435 AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.00	8.1	25.3			11-10-17	
	1/3	1/4	1/2	1/2	1/6	1/5	1/3	1/2	1/5	1/4	10	7.54	9.2	25.4	SH	SH	12:05 SH	N
	1/5	1	1/8	1	1	1	1	1	1	1/6	10	7.70	8.3	25.4	SH	SH	11-11-17 1405 SH	N
	1/5	1	1/8	1	1	1	1	1	1	1/6	10	7.28	9.2	24.8	SH	SH	11-12-17 1405 SH	N
	1	1/6	1	1/7	1/9	1/10	1/11	1/7	1/11	1	10	7.53	9.0	25.3	SH	SH	11-13-17 1505 SH	N
	1	1/6	1	1/7	1/9	1/10	1/11	1/7	1/11	1	10	7.48	8.5	25.3	SH	SH	11-13-17 1505 SH	N
	1/16	1/13	1/13	1/15	1/14	1/14	1/11	1/16	1/10	1/12	10	7.55	9.1	25.4	SH	SH	11-14-17 1305 AF	N
	1/16	1/13	1/13	1/15	1/14	1/14	1/11	1/16	1/10	1/12	10	7.50	8.3	25.4	N/A	N/A	11-14-17 1305 AF	N
												N/A	N/A	N/A	N/A	N/A		
Neonates	24	23	23	24	29	29	25	25	26	22					N/A	N/A		

S = On Surface LETH = Lethargic N = Normal CO = Caught On N/A = Not Applicable
 N = On Bottom ERR = Erratic Swimming FC = Flared Carapac F = Film CLDY = Cloudy
 RE = Precipitate UM = Undissolved Material PM = Particulate Matter

Average # neonates per female
25.0

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

Toxicity Bench Sheet

Client: 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)
11-06-17 0730	#1	11-06-17 1710	AF	AB153 #12	7.74	N/A	N/A
11-08-17 0730	#2	11-08-17 1700	AF		7.92		
11-10-17 0630	#3	11-10-17 1700	SH		7.54		

002 STORM WATER MONITORING

SAMPLE DATE:	11/2/2017
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	10:45 AM
WEATHER CONDITIONS:	CLEAR
CREEK CONDITIONS:	CLOUDY
INITIAL STAFF LEVEL: 75" DATE: 11/2/2017	
VOLUME: 15,230,708 GALLONS	
FINAL STAFF LEVEL: 49" DATE: 11/7/2017	
VOLUME: 9,293,885 GALLONS	
TOTAL DISCHARGE VOLUME: 5,936,823 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
NAPHTHALENE (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
INITIAL STAFF LEVEL: 78" DATE: 11/13/2017	
VOLUME: 15,940,897 GALLONS	
FINAL STAFF LEVEL: 46" DATE: 11/18/2017	
VOLUME: 8,487,870 GALLONS	
TOTAL DISCHARGE VOLUME: 7,453,027 GALLONS	
DAILY AVERAGE FLOW: 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):	
NAPHTHALENE (ppd):	
MANGANESE, T (mg/L):	0.089
IRON, T (mg/L):	0.695
O & G (mg/L)	BMDL

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	*****	0.4	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
	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
		Signed By E2	205-849-1342	12/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		8.0	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.8	*****	7.5		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	*****	*****	*****	*****		Weekly	Composite
OIL & GREASE	Sample Measurement	*B	*B		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	7.9	11.3		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	10.3	13.0		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	01/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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
		Signed By E2	205-849-1342	01/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	pass(0)/fail	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	4696.0	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	6.5	7.9	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	01/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

***** NO DISCHARGE [] *****

NOTE: Read instructions before completing this form.

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

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		Signed By E2	205-849-1342	12/22/2017

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.57	*****	6.84		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	8.5 maximum daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	23.6	27.5		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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.99	1.01		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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		0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	2.0 monthly average	4.0 maximum daily	19 mg/l		2X Monthly	Grab

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		Signed By E2	205-849-1342	01/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.828	1.879	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	01/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period : 2017-12-01 To: 2017-12-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO) PARAM CODE: 00300 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		8.0	*****	*****	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****				Weekly
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.8	*****	7.5	12 S.U.	0	Daily	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9.0 Maximum Daily				Daily
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	6.0	10.0	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	342 Monthly Average	513 Maximum Daily		*****	*****	*****				Weekly
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily		*****	*****	*****				2X Monthly
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	7.9	11.3	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	33.1 Monthly Average	52.4 Maximum Daily		*****	*****	*****				Weekly
NITROGEN, KJELDAHL TOTAL (AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Sample Measurement	10.3	13.0	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	232 Monthly Average	348 Maximum Daily		*****	*****	*****				Weekly
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	0.4	0.8	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily		*****	*****	*****				2X Monthly
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 23 U.S.C. §1319. <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

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: 2017-12-01 To: 2017-12-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****				
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.5	0.5	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****				
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****				
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****				
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	0.27198	0.32719	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****				

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C § 1001 AND 33 U.S.C § 1319 <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period : 2017-12-01 To 2017-12-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	0	0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	0	0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	4696.0	26 lbs/day	*****	*****	*****	0	0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	6.5	7.9	26 lbs/day	*****	*****	*****	0	0	Weekly	Composite
	Permit Requirement	213 Monthly Average	320 Maximum Daily		*****	*****	*****			Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.</small>					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
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 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021
 Monitoring Period : 2017-12-01 To: 2017-12-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: (-)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.57	*****	6.84		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	23.6	27.5		0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	12.35	24.70		1	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	5.3	7.41		*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.99	1.01		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.07	0.08		0	2X Monthly	Grab
	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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

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: 2017-12-01 To: 2017-12-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.828	1.879	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months to 5 years.)						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)		

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

002 STORM WATER MONITORING

SAMPLE DATE:	12/5/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	11:45 AM
WEATHER CONDITIONS:	RAIN
CREEK CONDITIONS:	CLEAR
INITIAL STAFF LEVEL: 83" DATE: 12/5/2018	
VOLUME: 17,084,425 GALLONS	
FINAL STAFF LEVEL: 42" DATE: 12/10/2018	
VOLUME: 7,688,183 GALLONS	
TOTAL DISCHARGE VOLUME: 9,396,242 GALLONS	
DAILY AVERAGE FLOW: 1.879 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
NAPHTHALENE (ppd):	BMDL
MANGANESE,T (mg/L):	0.055
IRON, T (mg/L):	1.01
O & G (mg/L)	BMDL

SAMPLE DATE:	12/18/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	10:50 AM
WEATHER CONDITIONS:	RAIN
CREEK CONDITIONS:	CLOUDY
INITIAL STAFF LEVEL: 84" DATE: 12/18/2018	
VOLUME: 17,372,019 GALLONS	
FINAL STAFF LEVEL: 46" DATE: 12/23/2018	
VOLUME: 8,487,870 GALLONS	
TOTAL DISCHARGE VOLUME: 8,884,146 GALLONS	
DAILY AVERAGE FLOW: 1.777 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):	
NAPHTHALENE (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

Courtney 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 Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		7.0	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.9	*****	7.2		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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	0.5	0.7		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	2	6		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	1.11	1.33		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	02/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
IRON, TOTAL (AS FE)	Sample Measurement	0.7	0.7	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily		*****	*****	*****		*****	Monthly	Composite
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.2	0.2	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily		*****	*****	*****		*****	Monthly	Composite
BENZO (A) PYRENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily		*****	*****	*****		*****	Weekly	Composite
NAPHTHALENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	0.01	0.02	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily		*****	*****	*****		*****	2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.27916	0.36623	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	Daily	Calculated
CYANIDE, FREE AVAILABLE	Sample Measurement	0.012	0.014	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	02/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.78	*****	7.05		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	8.5 maximum daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	8.2	13.2		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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.89	1.200		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	3.0 monthly average	6.0 maximum daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.12	0.153		0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	2.0 monthly average	4.0 maximum daily	19 mg/l		2X Monthly	Grab

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.534	1.777	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	02/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abc Coke Dry Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO) PARAM CODE: 00300 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		7.0	*****	*****	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****			Weekly	Grab
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.9	*****	7.2	12 S.U.	0	Daily	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9.0 Maximum Daily			Daily	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	7	13	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	342 Monthly Average	513 Maximum Daily		*****	*****	*****			Weekly	Composite
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily		*****	*****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	0.5	0.7	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	33.1 Monthly Average	52.4 Maximum Daily		*****	*****	*****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Sample Measurement	2	6	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	232 Monthly Average	348 Maximum Daily		*****	*****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	1.11	1.33	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily		*****	*****	*****			2X Monthly	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	0.7	0.7	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****			Monthly	Composite
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.2	0.2	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****			Monthly	Composite
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****			Weekly	Composite
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	0.01	0.02	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	0.27916	0.36623	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	0.012	0.014	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****			2X Monthly	Grab

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

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 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: 2018-01-01 To: 2018-01-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		*****	0		*****	*****	*****				
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	4756	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	6	8	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	213 Monthly Average	320 Maximum Daily		*****	*****	*****			Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

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 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.78	*****	7.05		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	8.2	13.2		0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.90	1.80		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	6.9	7.41		*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.89	1.200		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.12	0.153		0	2X Monthly	Grab
	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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021
 Monitoring Period : 2018-01-01To: 2018-01-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1,534	1,777	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319 [Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.]					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		



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:

Courtney Snow

Courtney 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. GENERAL:

NPDES PERMIT NO.: AL0003417 DSN: 001 COUNTY: Jefferson
 Permittee: ABC Coke, Inc.
 Facility Name: ABC Coke WWTP
 Agent Submitting Report: Mr. Jeff McCord
 Lab Conducting Toxicity Test(s): ERA, 2975 Brown Ct., Auburn, AL 36830
 Months To Test: Monthly
 This Report for Toxicity Test(s) Required for the Month of: Jan
 Scheduled Test(s): Yes No Accelerated Test(s): Yes No
 Accelerated Test Number of For Failed Scheduled Test Date:
 Test Type Required: -Hr Acute Screening: -Hr Acute Definitive:
 Short-term Chronic Screening: Short-term Chronic Definitive:

Test Organism: Ceriodaphnia dubia Test Organism: Pimephales promelas

Sam No.	Date/Time Start	Date/Time Ended	Control	Date/Time Start	Date/Time Ended	Control
	MM/DD/YY HH:MM	MM/DD/YY HH:MM	Valid	MM/DD/YY HH:MM	MM/DD/YY HH:MM	Valid
1	1/23/18 15:00	1/30/18 17:00	Yes	1/23/18 13:00	1/30/18 15:00	Yes

2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:

Test	Eff.	Test Number											
		(1)			(2)			(3)			(4)		
Org.	Conc	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p.	16%	PASS	N/A	PASS									
C.d.	16%	PASS	PASS	N/A									

3. LABORATORY ANALYSES OF UNDILUTED SAMPLE(S):

SAMPLE Id.	BOD5 mg/l	TSS mg/l	NH3 mg/l	pH su	Alk mg/l	Hard mg/l	TRC mg/l	Conductivity μS
1	---	---	<0.100	7.39	196	18	---	3690
2	---	---	0.152	7.45	200	39	---	3710
3	---	---	0.334	7.56	200	18	---	3780

Chemical Analyses Performed By (Lab): ERA

Total 24-Hour Flow: (1) 0.241 MGD (2) 0.222 MGD (3) 0.338 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.

SIGNATURE OF RESPONSIBLE OFFICIAL: _____ DATE: _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 1/23/18

4. SAMPLE COLLECTION:

Split Samples: N/A Yes (Explain) _____
 Samples Collected as Specified in the NPDES Permit: Yes 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	1/21/18 0730 - 1/22/18 0730	2.7	1/23/18 - 1/24/18	
2	1/23/18 0730 - 1/24/18 0730	3.0	1/25/18 - 1/26/18	
3	1/25/18 0730 - 1/26/18 0730	2.6	1/27/18 - 1/29/18	

5. CONTROL/DILUTION WATER:

Type	Prepared MM/DD/YY	Begin Use MM/DD/YY	Initial Water Chemistries				
			Hard.	Alk.	pH	Cond.	@ °C.
MHRW	1/13/18	1/23/18	86	58	7.69	316	@ 25
MHRW	1/22/18	1/24/18	88	62	7.77	312	@ 25
MHRW	1/22/18	1/25/18	84	57	7.72	318	@ 25
MHRW	1/24/18	1/27/18	88	60	7.73	311	@ 25

6. TOXICITY TEST INFORMATION:

Test	Organism	Organism	Test Solution Concentrations (%)				
Species	Age	Source					
P.p.	24 -48hr	Florida Bioassay Supply	16%				
C.d.	0- 6 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 (ft.-c.)
P.p.	24.1 - 26.0	5.3 -10.0	7.16 -7.89	75
C.d.	24.8 - 26.0	8.0 -10.0	7.30 -7.89	75

7. FEEDING:

Not Fed: Fed Daily: 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 1.70 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 #: AL0003417 DSN:001 DATE: 1/23/18

8. REFERENCE TOXICANT TESTS:

TOXICANT: Sodium Chloride SOURCE: Fisher Scientific CAS#: 7647-14-5
 Solution Concentration Unit: mg/L g/L X % Other(specify)

Chronic:

Test Org.	Test Date MM/DD - MM/DD	Control Water	Reference Test Solution Concentrations (Control to Highest Conc.)						
P.p.	1/23/18- 1/30/18	MHRW	0	2.0	4.0	6.0	8.0	10.0	
C.d.	1/23/18- 1/30/18	MHRW	0	0.5	1.0	1.5	2.0	2.5	
Test Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit				NUMBER (N)		
P.p.	Survival	2.0	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		

Data on File with ADEM Toxic Unit

9. TEST CONDITION VARIABILITY:

9.A. Deviations From Standard Test Conditions:

None

11.C CHRONIC SCREENING TOXICITY TESTS RESULTS (Freshwater):

TEST ORGANISM: Ceriodaphnia dubia

Were Neonates Used to Begin the Test Within 8 hours of the same age?: Yes

Did 60% of the CONTROL Females Produce Their Third Brood? YES: X NO:

SURVIVAL

CHRONIC TOXICITY INDICATED: YES NO X

NO SURVIVAL STATISTICAL ANALYSIS NECESSARY: X

CONTROL(%) 24h 100 48h 100 End 100 EFFLUENT(%): 24h 100 48h 100 End 100

Fishers Exact Test: A = , B = , a = , b =

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 1/23/18

REPRODUCTION (Average Neonates/Female)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 20.5 EFFLUENT(%): 22.7

NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:

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:

TEST ORGANISM: Pimephales promelas

MORTALITY

CHRONIC TOXICITY INDICATED: YES NO

CONTROL(%) 24h 100 48h 100 7day 100 EFFLUENT(%): 24h 100 48h 100 7day 98

NO MORTALITY STATISTICAL ANALYSIS NECESSARY:

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

CONTROL: 0.343 mg EFFLUENT: 0.351 mg

NO GROWTH STATISTICAL ANALYSIS NECESSARY:

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:

Information:

, Inc.

Address:

Street

il Address:

Avenue

Alabama 35953

94-1445

n@lab-resource.com

Name: 001 Chronic Toxicity

Permit #: AL0003417

(signature):

Boyd

20? N Y ✓

LRS Client Information:

ABC Coke

P.O. Box 10246

Birmingham, AL 35202

354-0118

"Report to" Contact:

Mr. David Vance

City/State collected:

Birmingham, Alabama

P.O. #

Analysis/Container/Preservative

Chronic Toxicity E1000.0 (One 1-gallon HDPE, non-preserve

Number of Containers

1

Date Results Needed:

Start Time

End Date*

End Time*

1-21-18

0730

1-22-18

0730

1

X

Sample ID

101 Discharge

Sample Remarks

176137-8a

Chain of Custody
Page 1 of 1

Laboratory Resources & Solutions, Inc. (LRS)
A Laboratory Service Provider



Laboratory:
Environmental Resource Analysts, Inc.
2975 Brown Court
Auburn, AL 36830

S-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe) _____ pH _____ Temp _____
Remarks: "End Date and Time Indicates When Samples Were Removed from Composite Sampler" Rainfall in Inches _____ Flow _____ Other _____
Condition (lab use only) _____
Samples returned via: FedEx ___ UPS ___ Other ___
Temp: *2.7°C* Bottles Received: _____
Date: *1-22-18* Time: *13:30*
Received by: (Signature) *Boyd* Received by: (Signature) _____
Date: *1-22-18* Time: *0730* Received by: (Signature) _____
Date: *1-22-18* Time: *0947* Received by: (Signature) _____
Date: *1-22-18* Time: *13:30* Received by: (Signature) _____
Signature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com

Information:

, Inc.

Address:

Street

Avenue

Birmingham, Alabama 35953

94-1445

info@lab-resource.com



LRS Client Information:

ABC Coke

P.O. Box 10246

Birmingham, AL 35202

251-0118

Report to Contact:

Mr. David Vance

City/State collected:

Birmingham, Alabama.

P.O. #

Permit #: AL0003417

Name: **001 Chronic Toxicity**

A Bourgeois
(signature)

Project Turnaround (Begins on Lab Login Date)

[RUSH?] Please Notify LRS

Same Day (200%)

Next Day (100%)

Two Day (50%)

Three Day (25%)

Date Results Needed:

Sample ID

001 Discharge

Comp/Grab

Comp. 1-25-18 0730

Start Time

1-26-18 0730

End Date*

1-26-18 0730

End Time*

0730

Number of Containers

1

Chronic Toxicity FT1000.0 (One 1-gallon HDPE, non-preserve

X

Analysis/Container/Preservative

Chain of Custody Page 1 of 1

Laboratory Resources & Solutions, Inc. (LRS)
A Laboratory Service Provider



Laboratory:
Environmental Resource Analysts, Inc.
2975 Brown Court
Auburn, AL 36830

Sample Remarks

Never back

S-Soil/Solid GW-Groundwater WW-Wastewater SW-Surface Water DW-Drinking Water OT-Other (Describe) _____ pH _____ Temp _____

Analysis: *End Date and Time Indicates When Samples Were Removed from Composite Sampler* Rainfall in Inches _____ Flow _____ Other _____

Condition (lab use only)

Samples returned via: FedEx ___ UPS ___ Other ___

Temp: *2.6°C* Bottles Recooled: *1*

Date: *01-26-18* Time: *1250*

Received by: (Signature) *[Signature]* Received by: (Signature) *[Signature]*

Date: *1-26-18* Time: *0730* Date: *1-26-18* Time: *1000*

Received for lab by: (Signature) *[Signature]* Received for lab by: (Signature) *[Signature]*

Signature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

Client: APL coke
 Age of Test Organisms: 24-48 hrs Ambient Laboratory Illumination
 Source: ABS Lot #: 808
 Time: 1300 Brine Shrimp Lot #: 29
 Time: 1500 Photoperiod: 16hrs. L; 8hrs. D
 for DO, pH, and temp. readings: old water/ new water

CONTROL

Number Alive
 Replicate Number

Test Day	1	2	3	4	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/Time/Initials	DO Meter/Probe	pH Meter/Probe	MHRW Lot #	Thermometer ID	Obs
1	10	10	10	10	40	7.82	8.4	25.4	1400	N/A	01-23-18 1300 AE	YSI 2 #2	AB153 #12	3490	11327 #1	N
2	10	10	10	10	40	7.31 7.44	7.7 9.0	25.6 24.6	1000 1450	JA	01-24-18 1430 JA			3498		N
3	10	10	10	10	40	7.73	8.1	25.5	1400	ZM	01-25-18 1300 ZM			3499		N
4	10	10	10	10	40	7.50	8.6	24.5	1400	JA	01-25-18 1330 JA			3499		N
5	10	10	10	10	40	7.55	8.8	24.5	1400	AF	01-27-18 1500 AF			3500		N
6	10	10	10	10	40	7.61	8.8	25.3	1700	BU	01-28-18 1300 BU			3500		N
7	10	10	10	10	40	7.89	8.5	24.6	1500	JA	01-28-18 1300 JA			3500		N
8	10	10	10	10	40	7.57	8.5	26.0	1400	N/A	01-30-18 1500 AF			N/A		N

BUA
1-28-18

Observations Key

- = On Surface
- = On Bottom
- E = Precipitate
- LETH = Lethargic
- ERR = Erratic Swimming
- UM = Undissolved Material
- N = Normal
- FC = Flared Carapace
- CO = Caught On
- F = Film
- PM = Particulate Matter
- N/A = Not Applicable
- CLDY = Cloudy

ENVIRONMENTAL RESOURCE ANALYSTS, INC. 2975 BROWN CT. AUBURN, AL 36830 (334) 502-3444

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

est #: 74-153

Client: LRS-ABG Coke

16 % Effluent Sample #s: 1) 2) 3)

Number Alive
Replicate Number

Test Day	1	2	3	4	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/Time/Initials	Obs.	pH of 100% effluent
Start	10	10	10	10	40	7.51	8.7	25.0	1400	N/A	01-23-18 1305 AE	N	7.77
	10	10	10	10	40	7.50	7.4	25.10	1000	JA	01-24-18 14:05 JA	N	7.99
	10	10	10	10	40	7.42	9.2	26.0	1400		01-25-18 1305 ZM	N	7.71
	10	10	10	10	40	7.76	7.4	25.6	1000	ZM	01-26-18 13:35 JA	N	7.52
	10	10	10	10	40	7.37	10.0	24.1	0900	JA	01-27-18 1505 AF	N	7.75
	10	10	10	10	40	7.56	8.1	25.5	1400	AF	1-28-18 1305 BU	N	7.73
	10	10	10	10	40	7.43	10.0	25.3	1200	BU	1-28-18 1305 JA	N	7.53
	10	10	10	10	40	7.08	6.9	25.8	900	JA	01-30-18 1505 AF	N	7.84
	10	10	10	10	40	7.54	9.8	26.0	1700	N/A	1505 AF	N	7.69
	10	10	10	10	40	7.16	6.60	25.6	900		1505 AF	N	7.75
	10	10	10	10	40	6.61	8.2	25.8	1500		1505 AF	N	7.73
	10	10	9	10	39	7.56	6.0	26.0	1400		1505 AF	N	7.53
	10	10	9	10	39	7.34	8.5	26.0	1400		1505 AF	N	7.84
	10	10	9	10	39	7.34	5.3	25.4	N/A		1505 AF	N	7.69

AF013018A

Observations Key

- OS = On Surface
- ON = On Bottom
- PRE = Precipitate
- LETH = Lethargic
- ERR = Erratic Swimming
- UM = Undissolved Material
- N = Normal
- FC = Flared Carapace
- CO = Caught On
- F = Film
- PM = Particulate Matter
- N/A = Not Applicable
- CLDY = Cloudy

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

Test #: 74-153 Analyst: AF Balance #: AND #2
 Date/Time in Oven: 1/30/18 1540 Date/Time Out of Oven: 1/31/18 1540 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	2.56354	2.56359	N/A	N/A	N/A
	1	2.58812	2.59139	10	0.327	0.343
	2	2.57215	2.57565	10	0.350	
	3	2.57991	2.58343	10	0.352	
4	2.59316	2.59659	10	0.343		
% Effluent	1	2.58061	2.58423	10	0.362	0.351
	2	2.59445	2.59803	10	0.358	
	3	2.58314	2.58619	9	0.305	
	4	2.57757	2.58136	10	0.379	

Environmental Resource Analysts, Inc.

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Client: ABC coke

#: 74-153 Age of Test Organisms: 0-6 hrs Ambient Laboratory Illumination

Volume: 20mL Source: ERA Photoperiod: 16hrs. L; 8hrs. D

Lot #: 269 1.700 g/L solids Test Start Date: 01-23-18 Time: 1500

Lot #: 267 3 x 10⁷ cells/mL Test End Date: 01-30-18 Time: 1700

CONTROL for DO, pH, and temp. readings: old water/new water

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

	1	2	3	4	5	6	7	8	9	10	# Alive	pH	DO (mg/L)	Temp (°C)	Feed Chan	Water	Date/Time/Initials	DO Meter/Probe	pH Meter/Probe	MHR W Lot #	Thermo meter ID	Obs	
1	1	1	1	1	1	1	1	1	1	1	10	7.82	8.4	25.4	AF	N/A	01-23-18 1500 AF	YSI 2 #2	AB153 #12	3496	773251 #1	N	
1	1	1	1	1	1	1	1	1	1	1	10	7.52	8.1	25.5	AF	AF	01-24-18 1500 AF			3498		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.44	9.0	24.6	AF	AF	01-25-18 1700 AF			3499		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.50	8.3	25.3	AF	AF	01-26-18 1600 AF			3499		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.43	8.0	25.5	AF	AF	01-27-18 1500 AF			3500		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.55	8.8	25.0	AF	AF	01-28-18 1600 AF			3500		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.46	8.1	25.4	AF	AF	01-29-18 1500 AF			3500		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.49	8.3	25.3	AF	AF	01-28-18 1600 AF			3500		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.39	8.3	24.8	OE	OE	01-29-18 1600 AF			3500		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.45	8.1	25.1	AF	AF	01-30-18 1500 AF			3500		N	
1	1	1	1	1	1	1	1	1	1	1	10	7.40	8.0	25.3	AF	AF	01-30-18 1700 AF			N/A		N	
2	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	N/A	N/A							
2	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	N/A	N/A							
2	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	N/A	N/A							
2	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	N/A	N/A							
2	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	N/A	N/A							

Average # neonates/female: 20.5

Observations Key: On-Surface LETH = Lethargic, On-Bottom ERR = Erratic Swimming, Precipitate UM = Undissolved Material
 N = Normal, CO = Caught On Film, PM = Particulate Matter
 N/A = Not Applicable, CLDY = Cloudy
 IRONMENTAL RESOURCE ANALYSTS, INC. 2975 BROWN CT. AUBURN, AL 36830 (334) 502-3444
 L:\Analytical Data\Toxicity\Ceriodaphnia Toxicity Test

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Test #: 74-153

Client: LRS-ABC Coke

160 % Effluent Sample #: 1) 2) 3)

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

Test Day	1	2	3	4	5	6	7	8	9	10	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/ Time/ Initials	Obs
1	1	1	1	1	1	1	1	1	1	1	10	7.51	8.7	25.0	AF	NA	01-23-18	N
	1	1	1	1	1	1	1	1	1	1	10	7.33	8.3	25.0	AF	AF	01-24-18	N
	1	1	1	1	1	1	1	1	1	1	10	7.42	9.2	26.0	AF	AF	01-25-18	N
	1	1	1	1	1	1	1	1	1	1	10	7.30	8.2	25.0	AF	AF	01-25-18	N
	1	1	1	1	1	1	1	1	1	1	10	7.37	10.5	26.0	AF	AF	01-25-18	N
	1	1	1	1	1	1	1	1	1	1	10	7.40	8.3	25.4	AF	AF	01-26-18	N
	1/1	1/2	1/1	1/3	1/4	1/4	1/5	1/3	1/6	1/3	10	7.43	10.0	25.5	AF	AF	01-27-18	N
	1	1	1	1	1	1	1	1	1	1	10	7.57	9.8	26.3	AF	AF	01-27-18	N
	1/4	1/3	1/2	1/1	1/2	1/3	1/4	1/7	1/3	1/8	10	7.50	8.3	25.3	AF	AF	01-28-18	N
	1/7	1/5	1/8	1/20	1/7	1/14	1/16	1/14	1/13	1/14	10	7.51	8.0	25.2	N/A	N/A	01-30-18	N
Neonates	22	20	21	24	23	21	25	24	22	25					N/A	N/A		

On Surface	LETH = Lethargic	N = Normal	CO = Caught On	N/A = Not Applicable
On Bottom	ERR = Erratic Swimming	FC = Flared Carapac F = Film	CLDY = Cloudy	
Precipitate	UM = Undissolved Material	PM = Particulate Matter		
Average # neonates per female				22.7

VIRONMENTAL RESOURCE ANALYSTS, INC. 2975 BROWN CT. AUBURN, AL 36830 (334) 502-3444

Toxicity Bench Sheet

Client: LRS-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 0730	#1	01-22-18 11030	AF	AB153 #12	7.39	N/A	N/A
1/24/18	#2	1/24/18	AF		7.45		
1/26/18	#3	1/26/18	AF		7.56		

002 STORM WATER MONITORING

SAMPLE DATE:	1/5/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	3:40 PM
WEATHER CONDITIONS:	CLEAR
CREEK CONDITIONS:	CLEAR
INITIAL STAFF LEVEL: 84" DATE: 1/5/2018	
VOLUME: 17,372,016 GALLONS	
FINAL STAFF LEVEL: 46" DATE: 1/10/2018	
VOLUME: 8,487,870 GALLONS	
TOTAL DISCHARGE VOLUME: 8,884,146 GALLONS	
DAILY AVERAGE FLOW: 1.777 MGD	

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
NAPHTHALENE (ppd):	BMDL
MANGANESE, T (mg/L):	0.08
IRON, T (mg/L):	1.2
O & G (mg/L)	BMDL

SAMPLE DATE:	1/22/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	3:20 P.M.
WEATHER CONDITIONS:	RAIN
CREEK CONDITIONS:	CLEAR
INITIAL STAFF LEVEL: 84" DATE: 1/22/2018	
VOLUME: 17,372,016 GALLONS	
FINAL STAFF LEVEL: 56" DATE: 1/27/2018	
VOLUME: 10,922,610 GALLONS	
TOTAL DISCHARGE VOLUME: 6,449,406 GALLONS	
DAILY AVERAGE FLOW: 1.290 MGD	

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):	
NAPHTHALENE (ppd):	
MANGANESE, T (mg/L):	0.153
IRON, T (mg/L):	0.581
O & G (mg/L)	1.8

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		7.1	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.9	*****	7.3		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	2.3	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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.6	2.9		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	5.6	13.9		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	1.32	1.60		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	03/22/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	pass(0)/fail	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	Monthly	Grab
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	6151.0	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	8.9	11.9	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily		*****	*****	*****		*****	Weekly	Composite
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.82	*****	7.10		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	8.5 maximum daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	28.0	42.0		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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	1.32	1.60		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	3.0 monthly average	6.0 maximum daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN)	Sample Measurement	*****	*****		*****	0.16	0.23		0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	2.0 monthly average	4.0 maximum daily	19 mg/l		2X Monthly	Grab

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.584	1.658	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	03/22/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

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

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period : 2018-03-01 To: 2018-03-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

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

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 Birmingham, AL 35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING 0011
 POINT:
 Monitoring Period : 2018-03-01 To: 2018-03-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	4915.0	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	8.8	11.0	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	213 Monthly Average	320 Maximum Daily		*****	*****	*****			Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>				Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)			

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

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 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021
 Monitoring Period : 2018-03-01 To: 2018-03-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.81	*****	7.19		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	17.4	20.0		0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	1.30	2.58		*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	1.00	1.01		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.12	0.13		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
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 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 : 2018-03-01 To: 2018-03-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.586	1.822	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone 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 – March 2018**

Date: April 10, 2018

Primary Data Review by:

Courtney Snow

Courtney 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. GENERAL:

NPDES PERMIT NO.: AL0003417 DSN: 001 COUNTY: Jefferson
 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: March
 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	03/06/18 16:00	03/13/18 15:00	Yes	03/06/18 16:00	03/13/18 12:10	Yes

2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:

Test	Eff.	Test Number											
		(1)			(2)			(3)			(4)		
Org.	Conc	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p.	16%	PASS	N/A	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C.d.	16%	PASS	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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	----	-----	0.959	7.78	243	20.4	NA	2,800
2	----	-----	0.403	8.00	235	18.3	NA	2,980
3	----	-----	0.618	7.51	246	26.5	NA	2,910

Chemical Analyses Performed By (Lab): ERA

Total 24 Hour Flow: (1) 0.337 MGD (2) 0.329 MGD (3) 0.323 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.

SIGNATURE OF RESPONSIBLE OFFICIAL: _____ DATE: _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 03/06/18

8. REFERENCE TOXICANT TESTS:

TOXICANT: Sodium Chloride SOURCE: Fisher Scientific CAS#: 7647-14-5
Solution Concentration Unit: mg/L _____ g/L X % _____ Other(specify)

Chronic:

Test Org.	Test Date	Control Water	Reference Test Solution Concentrations (Control to Highest Conc.)						
P.p.	3/20/18- 3/27/18	MHRW	0	2.0	4.0	6.0	8.0	10.0	
C.d.	3/20/18- 3/27/18	MHRW	0	0.5	1.0	1.5	2.0	2.5	
Test Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit				NUMBER (N)		
P.p.	Survival	4.0	2.0 - 4.0				20		
P.p.	Growth	4.0	2.0 - 4.0				20		
C.d.	Survival	1.5	0.5 - 1.5				20		
C.d.	Reproduction	0.5	0.25- 1.0				20		

Raw Data on File With ADEM Toxics Unit

9. TEST CONDITION VARIABILITY:

9.A. Deviations From Standard Test Conditions:

None

9.B. Test Solution Manipulations or Test Modifications:

None

10. REQUIRED REPORT ATTACHMENTS:

Attach Copies Of Chain-of-Custody Forms, Reference Toxicant Tests, And Raw Data (Bench Sheets) Pertaining To Physical, Chemical, And Biological Measurements For All Tests. Include Suspended, Interrupted, or Discontinued Toxicity Tests Data.

11.C CHRONIC SCREENING TOXICITY TESTS RESULTS (Freshwater):

TEST ORGANISM: Ceriodaphnia dubia

Were Neonates Used to Begin the Test Within 8 hours of the same age?: Yes

Did 60% of the CONTROL Females Produce Their Third Brood? YES: X NO:

SURVIVAL

CHRONIC TOXICITY INDICATED: YES _____ NO X

NO SURVIVAL STATISTICAL ANALYSIS NECESSARY: X

CONTROL(%) 24h 100 48h 100 End 100 EFFLUENT(%): 24h 100 48h 100 End 100

Fishers Exact Test: A = _____, B = _____, a = _____, b = _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 03/06/18

REPRODUCTION (Average Neonates/Female)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 21.0 EFFLUENT(%): 21.7

NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:

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:

TEST ORGANISM: Pimephales promelas

MORTALITY

CHRONIC TOXICITY INDICATED: YES NO

CONTROL(%) 24h 100 48h 100 7day 95 EFFLUENT(%): 24h 95 48h 95 7day 93

NO MORTALITY STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.827 Critical Value: 0.749 (Parametric)

Equal Variance: 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

CONTROL: 0.295 mg EFFLUENT: 0.290 mg

NO GROWTH STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.885 Critical Value: 0.749 (Parametric)

Equal Variance: 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:

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

Client: ABC coke

Test #: 74-756

Age of Test Organisms: 24-48 hrs

Ambient Laboratory Illumination

Water Volume: 250mL

Source: ABS Lot #: 813

Test Start Date: 3-6-18

Time: 1600

Brine Shrimp Lot #: 29

Test End Date: 3-13-18

Time: 1200

Photoperiod: 16hrs. L; 8hrs. D

CONTROL

for DO, pH, and temp. readings: old water/ new water

Number Alive
Replicate Number

Test Day	1	2	3	4	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Change	Date/Time/Initials	DO Meter/Probe	pH Meter/Probe	MHRW Lot #	Thermometer ID	Obs
Start	10	10	10	10	40	7.52	8.7	24.4	1830	N/A	03-06-18 1600 ABCE	YSI 2/2	AB153 1/2	3513	773231 11	N
1	10	10	10	10	40	7.03 7.32	6.8 8.7	25.5 24.7	900 16:00	JA	03-08-18 14:25 JA			3514		N
2	9	10	10	10	39	7.27 7.52	7.0 8.6	25.1 24.9	1030 17:30	JA	03-08-18 17:00 JA			3515		N
3	9	10	10	10	39	7.20 7.39	7.1 8.7	25.8 24.6	11:00 17:00	JA	03-09-18 13:00 JA			3515		N
4	9	10	10	10	39	7.27 7.55	6.5 8.8	25.3 24.9	1100 1750	BU	3-10-18 1300 BU			3516		N
5	9	10	10	10	39	7.44 7.49	5.7 8.6	24.6 25.3	1430 2030	BU	3-11-18 1730 BU			3517		N
6	9	10	10	9	38	7.18 7.63	6.8 8.5	25.6 25.4	1230 2230	BU	3-12-18 1500 BU			3518		N
7	9	10	10	9	38	7.54	7.3	25.1	N/A	N/A	3-13-18 1100 BU			N/A		N

Observations Key

OS = On Surface
ON = On Bottom
PRE = Precipitate

LETH = Lethargic
ERR = Erratic Swimming
UM = Undissolved Material

N = Normal
FC = Flared Carapace

CO = Caught On
F = Film
PM = Particulate Matter

N/A = Not Applicable
CLDY = Cloudy

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT. AUBURN, AL 36830

(334) 502-3444

L:\Analytical Data\Toxicity\Fathead Minnow Test

7 DAY FATHEAD MINNOW TOXICITY TEST - EPA METHOD 1000.0

Test #: 74 -156

Client: ABC Coke - Monthly

10 % Effluent

Sample #: 1) 177255 2) 177294 3) 177279

Number Alive
Replicate Number

Test Day	1	2	3	4	# Alive	pH	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	03-06-18 1605 AF CF	N	7.78
	10	10	10	10	40	7.19 7.45	7.1 8.4	25.3 24.1	0900 16:00	JA	03-07-18 1430 AP AP 03-07-18 JA	N	7.53
	10	10	9	10	39	7.31 7.53	6.2 8.5	25.6 24.9	1030 19:30	JA	03-08-18 JA 17:25 JA	N	8.00
	10	10	9	10	39	7.26 7.49	6.8 8.7	26.0 24.7	11:00 17:00	JA	03-09-18 13:05 JA	N	7.60
	9	10	9	9	37	7.29 7.37	6.6 8.8	25.2 25.3	1100 1750	BU	3-10-18 1305 BU	N	7.74
	9	10	9	9	37	7.54 7.41	5.9 8.3	24.8 25.8	1430 2030	BU	3-11-18 1735 BU	N	7.52
	9	10	9	9	37	7.27 7.18	6.6 9.4	25.6 25.4	1030 2230	BU	3-12-18 1505 BU	N	7.61
	9	10	9	9	37	7.53	6.7	25.1	N/A	N/A	3-13-18 1105 BU	N	7.43

Observations Key

OS = On Surface
ON = On Bottom
PRE = Precipitate

LETH = Lethargic
ERR = Erratic Swimming
UM = Undissolved Material

N = Normal
FC = Flared Carapace

CO = Caught On
F = Film
PM = Particulate Matter

N/A = Not Applicable
CLDY = Cloudy

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 14:00 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	1.00029	N/A	N/A	N/A
Control	1	0.98763	0.99061	9	0.298	0.295
	2	1.04025	1.04334	10	0.309	
	3	1.01616	1.01909	10	0.293	
	4	1.00823	1.01104	9	0.281	
<u>16</u> % Effluent	1	0.99438	0.99789	9	0.351	0.290
	2	1.02436	1.02715	10	0.279	
	3	0.99509	0.99788	9	0.279	
	4	1.00314	1.00566	9	0.252	

Environmental Resource Analysts, Inc.

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Client: ABC coke Monthly

74-156

Age of Test Organisms: 0-8 hrs Ambient Laboratory Illumination

Volume: 20mL

Source: ERA

Photoperiod: 16hrs. L; 8hrs. D

Lot #: 271 1.800 g/L solids 0.13 mL fed per cup Test Start Date: 03.06.18 Time: 1600

Lot #: 208 3x10⁷ cells/mL 0.13 mL algae fed/cup Test End Date: 03.13.18 Time: 1500

TROL for DO, pH, and temp. readings: old water/ new water

1 = Alive, 0 = Dead, M = Male, / # = # neonates

Replicate Number (# Adults/ # Neonates)

1	2	3	4	5	6	7	8	9	10	# Alive	pH	DO (mg/L)	Temp (°C)	Feed	Water Chan	Date/Time/Initials	DO Meter/Probe	pH Meter/Probe	MHR W Lot #	Thermo meter ID	Obs
1	1	1	1	1	1	1	1	1	1	10	7.52	8.7	24.7	AF	AF	03.06.18 1600 AF	YSI2 #2	AB153 #12	3513	TT3257 #1	N
1	1	1	1	1	1	1	1	1	1	10	7.39	8.1	25.3	AF	AF	03.07.18 1700 AF			3514		N
1	1	1	1	1	1	1	1	1	1	10	7.48	8.3	25.4	CF	CF	03.08.18 1600 AF			3515		N
1	1	1	1	1	1	1	1	1	1	10	7.52	8.6	24.9	AF	AF	03.09.18 1500 AF			3515		N
1/2	1/5	1/2	1/2	1/3	1/3	1/3	1/4	1/2	1/3	10	7.39	8.2	25.4	AF	AF	03.10.18 1530 AF			3516		N
1	1	1	1	1	1	1	1	1	1	10	7.47	7.9	25.5	AF	AF	03.11.18 1730 AF			3517		N
1/6	1/11	1/6	1/6	1/5	1/4	1/3	1/2	1/6	1/7	10	7.03	7.7	25.1	AF	AF	03.12.18 1400 AF			3518		N
1/3	1/11	1/10	1/11	1/14	1/12	1/14	1/13	1/15	1/12	10	7.31	8.0	24.9	N/A	N/A	03.13.18 1500 AF			N/A		N
																AF031318A					
21	27	18	19	22	19	20	19	23	22						N/A	N/A					

Observations Key

On Surface LETH = Lethargic
On Bottom ERR = Erratic Swimming
Precipitate UM = Undissolved Material

N = Normal
FC = Flared Carapace

CO = Caught On
F = Film
PM = Particulate Matter

N/A = Not Applicable
CLDY = Cloudy

Average # neonates/female
21.0

ENVIRONMENTAL RESOURCE ANALYSTS, INC. 2975 BROWN CT. AUBURN, AL 36830 (334) 502-3444

3 BROOD CERIODAPHNIA TOXICITY TEST - EPA METHOD 1002.0

Test #: 74 - 156

Client: LRS ABC Coke - Monthly

16 % Effluent

Sample #s: 1) 177255 2) 177294 3) 177279

I = Alive, 0 = Dead, M = Male, / # = # neonates

Replicate Number (# Adults/# Neonates)

Test Day	1	2	3	4	5	6	7	8	9	10	# Alive	pH	DO (mg/L)	Temp (°C)	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	03-06-18 1605 AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.32 7.45	7.8 8.4	25.0 24.1	AF	AF	03-07-18 1705 AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.35 7.53	8.1 8.5	25.4 24.9	CF AF	CF AF	03-08-18 1605 CF AF	N
	1	1	1	1	1	1	1	1	1	1	10	7.30 7.49	8.1 8.7	25.4 24.7	AF	AF	03-09-18 1505 AF	N
	1/3	1/3	1/2	1/4	1/3	1/2	1/3	1/4	1/2	1/3	10	7.38 7.37	8.0 8.8	25.1 25.3	AF	AF	03-10-18 1535 AF	N
	1	1	1	1/5	1	1	1/6	1	1	1	10	7.48 7.41	7.7 8.3	25.0 25.8	AF	AF	03-11-18 1735 AF	N
	1/8	1/8	1/6	1	1/5	1/9	1	1/8	1/11	1/9	10	7.23 7.18	7.2 8.5	25.1 25.4	AE AE	AE AE	03-12-18 1405 AE	N
	1/11	1/11	1/10	1/12	1/9	1/11	1/14	1/8	1/12	1/15	10	7.40 N/A	8.3 N/A	25.1 N/A	N/A	N/A	03-13-18 1505 AF	N
Neonates	22	22	18	21	17	22	23	20	25	27					N/A	N/A		

OS = On Surface
ON = On Bottom
RE = Precipitate

LETH = Lethargic
ERR = Erratic Swimming
UM = Undissolved Material

N = Normal
FC = Flared Carapace
F = Film
PM = Particulate Matter

CO = Caught On
N/A = Not Applicable
CLDY = Cloudy

Average # neonates per female

21.7

ENVIRONMENTAL RESOURCE ANALYSTS, INC.

2975 BROWN CT.

AUBURN, AL 36830

(334) 502-3444

Larval Fish Growth and Survival Test-7 Day Survival

Start Date: 3/6/2018	Test ID: 74-156fh	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: PP-Pimephales promelas
Comments:		

Conc-%	1	2	3	4
Control	0.9000	1.0000	1.0000	0.9000
eff	0.9000	1.0000	0.9000	0.9000

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

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				
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences Treatments vs Control	0.06826	0.07236	0.00332	0.00775	0.53696	1, 6

Larval Fish Growth and Survival Test-7 Day Growth

Start Date: 3/6/2018	Test ID: 74-156fh	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: PP-Pimephales promelas
Comments:		

Conc-%	1	2	3	4
Control	0.2980	0.3090	0.2930	0.2810
eff	0.3510	0.2790	0.2790	0.2520

Conc-%	Mean	N-Mean	Transform: Untransformed				N	t-Stat	1-Tailed Critical	MSD
			Mean	Min	Max	CV%				
Control	0.2953	1.0000	0.2953	0.2810	0.3090	3.934	4	0.227	1.943	0.0428
eff	0.2903	0.9831	0.2903	0.2520	0.3510	14.626	4			

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, 8

Toxicity Bench Sheet

Client: LRS-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)
03-05-18 0730 177255	#1	03-06-18 1530	AF	AB153 #12	7.78	N/A	N/A
03-07-18 0730 177294	#2	03-08-18 1500 0913 AF030818A	AF		8.00		
03-09-18 0730 177279	#3	03-09-18 1635	AF		7.51		

002 STORM WATER MONITORING

SAMPLE DATE:	3/7/2018	
SAMPLE LOCATION:	002 DISCHARGE	
SAMPLER:	NORMAN LOEBLER	
SAMPLE TIME:	9:45 AM	
WEATHER CONDITIONS:	CLEAR	
CREEK CONDITIONS:	CLEAR	
INIT STAFF LEVEL:	82"	DATE: 3/7/2018
	VOLUME: 16,797,724 GALLONS	
FINAL STAFF LEVEL:	42"	DATE: 3/12/2018
	VOLUME: 7,688,183 GALLONS	
TOTAL DISCHARGE VOLUME:	9,109,541 GALLONS	
DAILY AVERAGE FLOW:	1.822 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
NAPHTHALENE (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 LOEBLER	
SAMPLE TIME:	10:20 AM	
WEATHER CONDITIONS:	CLOUDY	
CREEK CONDITIONS:	CLEAR	
INIT STAFF LEVEL:	75"	DATE: 3/20/2018
	VOLUME: 15,230,709 GALLONS	
FINAL STAFF LEVEL:	46"	DATE: 3/25/2018
	VOLUME: 8,487,870 GALLONS	
TOTAL DISCHARGE VOLUME:	6,742,839 GALLONS	
DAILY AVERAGE FLOW:	1.349 MGD	

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

***** NO DISCHARGE [] *****

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	*****	0.38	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
	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
		Signed By E2	205-849-1342	02/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.3	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.9	*****	7.2		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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	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		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	8.3	15.0		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	04/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	*****	0.38	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
	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
		Signed By E2	205-849-1342	02/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.81	*****	7.19		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	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
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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	1.00	1.01		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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		0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	04/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR
 Jefferson
COUNTY:
PROGRAM: Industrial
 *** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****				
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****				
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****				
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.586	1.822	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****				
	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
		Signed By E2	205-849-1342	04/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.60	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.70	*****	7.50		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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	4.76	12.31		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.1 monthly average	52.4 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	10.01	25.59		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	232 monthly average	348 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.926	0.943		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	05/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR
 Jefferson
COUNTY:
 Industrial
PROGRAM:
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Quantity or Loading	Units		Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum	Minimum	Average	Maximum				
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0					0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily	pass(0)/fail					Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0					0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily	9A 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					0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	213 monthly average	320 maximum daily	26 lbs/day					Weekly	Composite
	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

***** NO DISCHARGE [] *****

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.85	*****	7.31		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	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
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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.94	1.47		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	05/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.654	2.038	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	05/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

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

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

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

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE)	Sample Measurement	0.91	0.91	26 lbs/day	*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****				Monthly
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.26	0.26	26 lbs/day	*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****				Monthly
BENZO(A)PYRENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****				Weekly
NAPHTHALENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****				Monthly
PHENOLS	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****				2X Monthly
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	0.33111	0.39356	03 MGD	*****	*****	*****		0	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				Daily
CYANIDE, FREE AVAILABLE	Sample Measurement	0.051	0.076	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 51173 Stage Code: 1 Final Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****				2X Monthly

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period : 2018-04-01 To: 2018-04-30

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****				
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****				
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	5335	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	9.43	10.52	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	213 Monthly Average	320 Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
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 lbs/day	*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

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

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.654	2.038	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No.	Date (MM/DD/YY)		

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

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/l	S.U.	ppd	ppd	ppd	ppd	ppd	ppd	ppd	ppd	ppd	ppd	MGD	ppd	pass/fail	ppd	ppd	ppd	ppd
	D O	pH	TSS	O&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		
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

001 Limits December - April

MIN	6.0	6.0																	
AVG			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	Monitor

001 Limits May - November

MIN	6.0	6.0																	
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	Monitor

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	O&G	NH3-N	Cn,t	Fe,T	Mn,T	BENZENE	B(a)P	NAPH	Phenol	FLOW
MIN	6.85											
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

002 Limits

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****
 NOTE: Read instructions before completing this form.

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.25	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.54	*****	7.54		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	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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.52	1.81		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	4.95	6.02		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.790	0.931		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	06/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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
		Signed By E2	205-849-1342	06/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

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

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		Signed By E2	205-849-1342	06/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		7.10	*****	7.27		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	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
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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.53	0.75		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	06/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
 *** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.670	1.777	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	06/27/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO) PARAM CODE: 00300 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.25	*****	*****	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****				Weekly
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.54	*****	7.54	12 S.U.	0	Daily	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9.0 Maximum Daily				Daily
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	4.24	9.34	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	342 Monthly Average	513 Maximum Daily		*****	*****	*****				Weekly
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily		*****	*****	*****				2X Monthly
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	1.52	1.81	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily		*****	*****	*****				Weekly
NITROGEN, KJELDAHL TOTAL (AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Sample Measurement	4.95	6.02	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	66 Monthly Average	99 Maximum Daily		*****	*****	*****				Weekly
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	0.790	0.931	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily		*****	*****	*****				2X Monthly
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 23 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
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 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period : 2018-05-01To: 2018-05-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE)	Sample Measurement	0.37	0.37	26 lbs/day	*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****				Monthly
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.32	0.32	26 lbs/day	*****	*****	*****		0	Monthly	Composite
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****				Monthly
BENZO(A)PYRENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
PARAM CODE: 34247 Stage Code: 1 Final Effluent	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****				Weekly
NAPHTHALENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
PARAM CODE: 34696 Stage Code: 1 Final Effluent	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****				Monthly
PHENOLS	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 46000 Stage Code: 1 Final Effluent	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****				2X Monthly
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	0.29420	0.33845	03 MGD	*****	*****	*****		0	Daily	Calculated
PARAM CODE: 50050 Stage Code: 1 Final Effluent	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				Daily
CYANIDE, FREE AVAILABLE	Sample Measurement	0.027	0.029	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
PARAM CODE: 51173 Stage Code: 1 Final Effluent	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****				2X Monthly

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

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

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	0	0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	0	0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	4800	26 lbs/day	*****	*****	*****	0	0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	8.10	10.73	26 lbs/day	*****	*****	*****	0	0	Weekly	Composite
	Permit Requirement	56 Monthly Average	84 Maximum Daily		*****	*****	*****			Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319 <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>				Signature of Principal Executive Officer Or Authorized Agent			Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021
 Monitoring Period : 2018-05-01 To: 2018-05-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		7.10	*****	7.27	12 S.U.	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily				
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	12.35	16.00	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily				
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	*B	*B	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily				
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	12.39	18.99	26 lbs/day	*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.53	0.75	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily				
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	2.37	2.60	19 mg/l	1	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING 0021
 POINT:
 Monitoring Period : 2018-05-01 To: 2018-05-31

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1,670	1,777	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.</small>					Signature of Principal Executive Officer Or Authorized Agent		Telephone 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 – May 2018**

Date: June 13, 2018

Primary Data Review by:

Courtney 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. GENERAL:

NPDES PERMIT NO.: AL0003417 DSN: 001 COUNTY: Jefferson
 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: May
 Scheduled Test(s): Yes No Accelerated Test(s): Yes No
 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 No.	Date/Time Start	Date/Time Ended	Control Valid	Date/Time Start	Date/Time Ended	Control Valid
	MM/DD/YY HH:MM	MM/DD/YY HH:MM		MM/DD/YY HH:MM	MM/DD/YY HH:MM	
1	05/15/18 14:30	05/22/18 14:00	Yes	05/15/18 15:00	05/22/18 13:00	Yes

2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:

Test	Eff.	Test Number											
		(1)			(2)			(3)			(4)		
Org.	Conc	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p.	16%	PASS	N/A	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C.d.	16%	PASS	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

3. LABORATORY ANALYSES OF UNDILUTED SAMPLE(S):

SAMPLE Id.	BOD5 mg/l	TSS mg/l	NH3 mg/l	pH su	Alk mg/l	Hard-EFF mg/l	TRC mg/l	Conductivity uS
1	----	-----	0.637	7.45	120	22	NA	3,640
2	----	-----	0.530	7.14	144	26	NA	3,960
3	----	-----	0.641	7.28	150	18	NA	3,540

Chemical Analyses Performed By (Lab): ERA

Total 24 Hour Flow: (1) 0.270 MGD (2) 0.316 MGD (3) 0.320 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.

SIGNATURE OF RESPONSIBLE OFFICIAL: _____ DATE: _____

8. REFERENCE TOXICANT TESTS:

TOXICANT: Sodium Chloride SOURCE: Fisher Scientific CAS#: 7647-14-5
 Solution Concentration Unit: mg/L g/L % Other (specify)

Chronic:

Test Org.	Test Date	Control Water	Reference Test Solution Concentrations (Control to Highest Conc.)					NUMBER	
P.p.	5/01/18- 5/08/18	MHRW	0	2.0	4.0	6.0	8.0	10.0	
C.d.	5/01/18- 5/08/18	MHRW	0	0.5	1.0	1.5	2.0	2.5	
Test Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit			NUMBER (N)			
P.p.	Survival	4.0	2.0 - 4.0			20			
P.p.	Growth	4.0	2.0 - 4.0			20			
C.d.	Survival	1.5	0.5 - 1.5			20			
C.d.	Reproduction	0.5	0.25- 1.0			20			

Raw Data on File With ADEM Toxics Unit

9. TEST CONDITION VARIABILITY:

9.A. Deviations From Standard Test Conditions:

None

9.B. Test Solution Manipulations or Test Modifications:

None

10. REQUIRED REPORT ATTACHMENTS:

Attach Copies Of Chain-of-Custody Forms, Reference Toxicant Tests, And Raw Data (Bench Sheets) Pertaining To Physical, Chemical, And Biological Measurements For All Tests. Include Suspended, Interrupted, or Discontinued Toxicity Tests Data.

11.C CHRONIC SCREENING TOXICITY TESTS RESULTS (Freshwater):

TEST ORGANISM: Ceriodaphnia dubia

Were Neonates Used to Begin the Test Within 8 hours of the same age?: Yes

Did 60% of the CONTROL Females Produce Their Third Brood? YES: NO:

SURVIVAL

CHRONIC TOXICITY INDICATED: YES NO

NO SURVIVAL STATISTICAL ANALYSIS NECESSARY:

CONTROL(%) 24h 100 48h 100 End 100 EFFLUENT(%): 24h 100 48h 100 End 100

Fishers Exact Test: A = , B = , a = , b =

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 05/08/18

REPRODUCTION (Average Neonates/Female)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 20.7 EFFLUENT(%): 19.4

NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.931 Critical Value: 0.868 (Parametric)

Equal Variance: Unequal Variance:

F Statistic: 7.15 Critical F: 6.54

/ Test Statistic: _____ / Test Critical Value:

Sample Rank Sum: 105 #Reps.: 10 Critical Rank Sum: 82 (Non-Parametric)

COMMENTS:

TEST ORGANISM: Pimephales promelas

MORTALITY

CHRONIC TOXICITY INDICATED: YES NO

CONTROL(%) 24h 100 48h 100 7day 93 EFFLUENT(%): 24h 100 48h 100 7day 98

NO MORTALITY STATISTICAL ANALYSIS NECESSARY:

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

CONTROL: 0.351 mg EFFLUENT: 0.355 mg

NO GROWTH STATISTICAL ANALYSIS NECESSARY:

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:

SOP 610.4

7 DAY FATHEAD MINNOW TOXICITY TEST

EPA METHOD 1000.0

Date/Time Start	5/15/18 15:00	Randomization Board #	051418BU	Age Of Organisms	24-48 Hrs
Date/Time Finish	5/22/18 13:00	pH Meter/Probe	AB15-3/12	CONTROL for Test	
Test #:	74-16P15 ²	DO Meter/Probe	YSI 2/2		
Source: ABS Lot: 825		Thermometer ID	773237-1		
Shrimp Lot # 29		Photoperiod:	16 hrs Light / 8 Hrs Dark		
		Water Volume:	250 mLs		

Day	1	2	3	4	# Alive	pH OLD	DO OLD	Temp °C OLD	MHRW Dilution Lot	Feed AM	Analysis & Water Change Date/Time/Analyst	Obs.
						pH NEW	DO NEW	Temp °C NEW		Feed PM		
	10	10	10	10	40	N/A	N/A	N/A	3575	N/A	5/15/18 15:00 HA/AF	N
	10	10	10	10	40	7.08	6.6	25.5	3577	9:30	5/16/18 13:00 OR	N
	10	10	10	10	40	7.05	7.1	25.9	3578	15:00	5/17/18 13:00 HA/AF	N
	10	10	8	10	38	7.25	8.1	25.2	3579	10:00	05/18/18 13:00 RR/BU	N
	10	10	8	10	38	6.78	6.0	24.7	3580	15:15	05/19/18 13:00 HA/EC	N
	9	10	8	10	37	6.88	6.8	25.1	3580	8:00	05/20/18 13:00 RR/EC	N
	9	10	8	10	37	6.96	7.1	25.0	3582	13:45	05/21/18 13:00 RR/BU	N
	9	10	8	10	37	6.74	6.5	25.2	N/A	N/A	No Water Change	N
						N/A	N/A	N/A	N/A	N/A	05/22/18 13:00 HA/BU	N

Observations Key:

N/A = Not Applicable
1 = Living
0 = Dead

N = Normal
ON = On Bottom
OS = On Surface
LETH = Lethargic
SM = Small

PRE = Precipitate
FC = Flared Carapace
CO = Caught On

CLDY = Cloudy
F = Film

UM = Undissolved Material

CL = Clear/Colorless
ERR = Erratic Swimming

Comments:

Environmental Resource Analysts, Inc.
2975 Brown Ct.
Auburn, AL 36830
(334) 502-3444

Rev'd By J

SOP 610.4

7 DAY FATHEAD MINNOW TOXICITY TEST

EPA METHOD 1000.0

Test #: 74 - 16p15

Client: ABC Coke

24-48 Hrs

Sample Type: eif
% Dilution: 16

Test Day	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.
						PH NEW	DO NEW	Temp 'C NEW	Feed PM				
Start	10	10	10	10	40	N/A	N/A	N/A	N/A	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	179341-01b	5/16/18 13:05 OR	7.50	N
2	10	10	10	10	40	6.9	6.8	25.8	9:00	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	179367-01b	05/18/18 13:05 RR/BU	7.71	N
4	10	10	10	10	40	7.15	8.3	25.1	8:00		05/19/18 13:05 HA/EC	7.16	N
5	10	10	10	10	40	7.21	8.5	25.1	10:00		05/20/18 13:05 RR/BU	7.39	N
6	10	10	10	9	39	7.03	7.1	25.1	9:30		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	No Water Change		
						N/A	N/A	N/A	N/A		05/22/18 13:05 HA/BU	7.35	N

Observations Key:

Comments:

- N/A = Not Applicable
- 1 = Living
- 0 = Dead
- N = Normal
- ON = On Bottom
- OS = On Surface
- LETH = Lethargic
- SM = Small
- PRE = Precipitate
- FC = Flared Carapace
- CO = Caught On
- CLDY = Cloudy
- F = Film
- UM = Undissolved Material
- CL = Clear/Colorless
- ERR = Erratic Swimming

Environmental Resource Analysts, Inc.
2975 Brown Ct.
Auburn, AL 36830
(334) 502-3444

Rev'd By

Test Number: 74 -160 Client: LRS- 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)
% Dilution: 16 Sample Type: Effluent	1	0.99270	0.99589	10	0.319	0.355
	2	1.02220	1.02602	10	0.382	
	3	0.99300	0.99623	10	0.323	
	4	1.03670	1.04067	9	0.397	
% Dilution: Sample Type:	1					
	2					
	3					
	4					
% Dilution: Sample Type:	1					
	2					
	3					
	4					
% Dilution: Sample Type:	1					
	2					
	3					
	4					
% Dilution: Sample Type:	1					
	2					
	3					
	4					

QA'd By _____

SOP 609.4

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Date/Time Start	5/15/2018 14:30	Test #	74-1601	Randomization Board #:	051418BU	Age Of Test Organisms	0-5 Hrs
Date/Time Finish	5/22/18 14:00			pH Meter/Probe	AB15-3/12/AB15-1/21		
				DO Meter/Probe	YSI 2/2/YSI 3/3		
Algae Lot	270	cells/mL	3*10 ⁷	Thermometer ID	773237-1		
Yeast Lot	273	g/L Solids	1.860	Photoperiod:	16 hrs Light / 8 Hrs Dark		
Vol Fed Per Cup (µL)	130			Water Volume:	20 mLs		

Day	Cups										TOTAL	pH OLD	DO OLD	Temp °C OLD	MERW Dilution Lot	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.	
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW					
1	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	3575	05/15/18 14:30 JL/AF	17:00	N	
											7.46	8.7	24.7						
2	1	1	1	1	1	1	1	1	1	1	10	7.33	7.7	24.7	3577	5/16/2018 14:30 RR/BU	20:00	N	
											7.38	8.6	24.5						
3	1	1	1	1	1	1	1	1	1	1	10	7.26	8.1	24.7	3578	5/17/2018 14:30 HA/AF	17:45	N	
											7.40	8.4	25.6						
4	1	1	1	1	1	1	1	1	1	1	10	7.06	8.2	25.9	3579	5/18/18 13:00 BU	17:00	N	
											7.41	8.5	24.3						
5	1	1	1	1	1	1	1	1	1	1	10	7.41	8.4	24.7	3580	5/19/18 14:30 EJC/HA	13:45	N	
	3	1 End	6	1 End	2	1 End	5	1 End	4	1 End	6	1 End	4	1 End					1
6	1	1	1	1	1	1	1	1	1	1	10	7.36	7.9	25.6	3580	05/20/2018 14:30 EJC/AF	15:00	N	
	10	2 End	9	2 End	9	2 End	6	1 End	6	2 End	5	2 End	7	2 End					8
7	1	1	1	1	1	1	1	1	1	1	10	7.20	8.1	25.2	3582	05/21/18 13:15 AF	15:00	N	
	3	3		7	3	5	2 End	6	2 End	8	3	6	3						5
8	1	1	1	1	1	1	1	1	1	1	10	7.43	8.3	24.3	N/A	05/22/18 14:00 RR	N/A	N	
	6	3 End	8	3 End	3	3 End	6	3 End	6	3 End	2	3 End	7	3 End					11

Days: 22, 23, 21, 16, 18, 20, 24, 22, 20, 21. Comments:

<p>Abbreviations Key:</p> <p>N = Normal ON = On Bottom OS = On Surface LETH = Lethargic SM = Small</p>	<p>PM = Particulate Matter ERR = Erratic Swimming UM = Undissolved Material PRE = Precipitate FC = Flared Carapace</p>	<p>CL = Clear/Colorless F = Film CLDY = Cloudy CO = Caught ON</p>	<p>N/A = Not Applicable End = End of Brood</p>	<p>AVERAGE # Neonates per Female 20.7</p>
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Environmental Resource Analysts, Inc.
2975 Brown Ct.
Auburn, AL 36830
(334) 502-3444

SOP 609.4

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Client: ABC Coke

Age of Test organisms: 0-5 Hrs

Test # 74 - 10/15
Sample Type: eff
% Dilution: 16

Day											TOTAL	pH OLD	DO OLD	Temp °C OLD	Sample # Used	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.			
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW							
rt	1	1	1	1	1		1	1	1	1	10	N/A	N/A	N/A	179341-01b	05/15/18 14:35 JL/AF	17:00	N			
											7.01	9.7	25.3								
	1	1	1	1	1	1	1	1	1	1	10	7.05	9.5	25.3	179341-01b	05/16/18 14:35 RR/BU	20:00	N			
											7.40	8.5	24.8								
	1	1	1	1	1	1	1	1	1	1	10	7.22	8.1	24.6	179367-01b	5/17/2018 14:35 HA/AF	17:45	N			
											7.14	8.4	25.4								
	1	1	1	1	1	1	1	1	1	1	10	7.16	8.0	24.7	179367-01b	5/18/18 13:05 BU	17:00	N			
											7.71	8.8	25.3								
	1	1	1	1	1	1	1	1	1	1	10	7.31	8.1	25.1	179447-01b	5/19/18 14:35 EJC/HA	13:45	N			
	3	1 End	3	1 End	1	1 End	6	1 End	5	1		5	1 End	6					1 End	5	1 End
	1	1	1	1	1	1	1	1	1	1	10	7.23	8.0	25.8	179447-01b	05/20/2018 14:35 EJC/AF	15:00	N			
	9	2 End	8	2 End	6	2 End	11	2 End	1	1 End		6	1 End	8					2 End	5	2 End
	1	1	1	1	1	1	1	1	1	1	10	7.21	7.9	25.4	179447-01b	05/21/18 13:20 AF	15:00	N			
			5	3	7	3	5	3	10	2 End				2					3	4	3
	1	1	1	1	1	1	1	1	1	1	10	7.59	8.2	24.3	N/A	05/22/18 14:05 RR	N/A	N			
	10	3 End	6	3 End	3	3 End	2	3 End	8	3 End		4	2 End	6					3 End	3	3 End
tes	22	22	17	24	24	10	21	18	28	8	Comments:								AVERAGE # Nconates per Female		

Observations Key:

Number Living	ON = On Bottom	PM = Particulate Matter	CL = Clear/Colorless	N/A = Not Applicable
Nconates	OS = On Surface	ERR = Erratic Swimming	F = Film	End = End of Brood
Brood #	LETH = Lethargic	UM = Undissolved Material	CLDY = Cloudy	
	SM = Small	PRE = Precipitate	CO = Caught ON	
		FC = Flared Carapace		

Environmental Resource Analysts, Inc.
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(334) 502-3444

v'd By JS

Ceriodaphnia Survival and Reproduction Test-Reproduction										
Start Date:	5/15/2018	Test ID:	74-160c	Sample ID:	EFF					
End Date:		Lab ID:	ERA	Sample Type:	EFF2-Industrial					
Sample Date:		Protocol:	EPAF 94-EPA/600/4-91/002	Test Species:	CD-Ceriodaphnia dubia					
Comments:	stat analysis conducted by JF									
Conc-%	1	2	3	4	5	6	7	8	9	10
Control	22.000	23.000	21.000	16.000	18.000	20.000	24.000	22.000	20.000	21.000
Eff	22.000	22.000	17.000	24.000	24.000	10.000	21.000	18.000	28.000	8.000

Conc-%	Mean	N-Mean	Transform: Untransformed					N	Rank Sum	1-Tailed Critical
			Mean	Min	Max	CV%				
Control	20.700	1.0000	20.700	16.000	24.000	11.398	10			
Eff	19.400	0.9372	19.400	8.000	28.000	32.528	10	105.50	82.00 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-tail, 0.05)				
Wilcoxon Two-Sample Test indicates no significant differences				
Treatments vs Control				

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	179447-01b	5/18/18 7:30	7.28	N/A	5-18-18 17:00 BU	AB15-3/12	N/A

Q/A Rev'd By _____



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" DATE: 5/10/2018
	VOLUME: 17,372,016 GALLONS
FINAL STAFF LEVEL:	46" DATE: 5/15/2018
	VOLUME: 8,487,870 GALLONS
TOTAL DISCHARGE VOLUME:	8,884,146 GALLONS
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
NAPHTHALENE (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
	VOLUME: 17,372,016 GALLONS
FINAL STAFF LEVEL:	50" DATE: 5/26/2018
	VOLUME: 9,563,853 GALLONS
TOTAL DISCHARGE VOLUME:	7,808,163 GALLONS
DAILY AVERAGE FLOW:	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):	
NAPHTHALENE (ppd):	
MANGANESE,T (mg/L):	2.6
IRON, T (mg/L):	0.753
O & G (mg/L)	BMDL

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO) PARAM CODE: 00300 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.33	*****	*****		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****	19 mg/l		Weekly	Grab
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.72	*****	7.58		0	Daily	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9.0 Maximum Daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	13.97	25.47		*****	*****	*****		0	Weekly	Composite
	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B		*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	1.36	1.97		*****	*****	*****		0	Weekly	Composite
	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Sample Measurement	3.65	9.09		*****	*****	*****		0	Weekly	Composite
	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	0.711	0.779		*****	*****	*****		0	2X Monthly	Grab
	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 LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	0.99	0.99	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****			Monthly	Composite
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.18	0.18	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****			Monthly	Composite
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****			Weekly	Composite
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	0.30285	0.34229	03 MGD	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	0.022	0.034	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****			2X Monthly	Grab

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		*****	0		*****	*****	*****				
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	5220	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	10.07	12.06	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	56 Monthly Average	84 Maximum Daily		*****	*****	*****			Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.</small>					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH	Sample Measurement	*****	*****		6.70	*****	6.80		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	9.20	14.00		0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	7.90	9.80		*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.32	0.36		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.35	0.41		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily	19 mg/l		2X Monthly	Grab
PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.32	0.36		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Dry Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417

MONITORING POINT: 0021

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.884	1.937	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	*****	1.61	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
	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
		Signed By E2	205-849-1342	05/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.33	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.72	*****	7.58		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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	3.65	9.09		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	07/23/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
IRON, TOTAL (AS FE)	Sample Measurement	0.99	0.99	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily		*****	*****	*****				
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.18	0.18	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily		*****	*****	*****				
BENZO (A) PYRENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily		*****	*****	*****				
NAPHTHALENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily		*****	*****	*****				
PHENOLS	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.30285	0.34229	03 MGD	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****				
CYANIDE, FREE AVAILABLE	Sample Measurement	0.022	0.034	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily		*****	*****	*****				

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	pass(0)/fail	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	0	Monthly
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	0	Monthly
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	5220	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	0	Monthly
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	10.07	12.06	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily		*****	*****	*****		*****	0	Weekly
	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
		Signed By E2	205-849-1342	07/23/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	*****	1.61	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
	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
		Signed By E2	205-849-1342	05/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

***** NO DISCHARGE [] *****

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.70	*****	6.80		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	8.5 maximum daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	9.20	14.00		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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.32	0.36		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	07/23/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.884	1.937	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	07/23/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.08	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.83	*****	7.38		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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.96	3.18		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	1.08	5.42		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.488	0.542		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	08/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	pass(0)/fail	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	0	Monthly
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	0	Monthly
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	6704	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	0	Monthly
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	5.92	8.42	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily		*****	*****	*****		*****	0	Weekly
	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
		Signed By E2	205-849-1342	08/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.75	*****	7.12		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	8.5 maximum daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	8.40	10.40		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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.83	0.89		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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		0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	08/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.884	1.937	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	08/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 COUNTY: Jefferson

Monitoring Period: 2018-07-01 To 2018-07-31
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO) PARAM CODE: 00300 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.08	*****	*****		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****	19 mg/l		Weekly	Grab
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.83	*****	7.38		0	Daily	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9.0 Maximum Daily	12 S.U.		Daily	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	6.33	12.38		*****	*****	*****		0	Weekly	Composite
	Permit Requirement	342 Monthly Average	513 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B		*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily	26 lbs/day	*****	*****	*****			2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	1.96	3.18		*****	*****	*****		0	Weekly	Composite
	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Sample Measurement	1.08	5.42		*****	*****	*****		0	Weekly	Composite
	Permit Requirement	66 Monthly Average	99 Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Composite
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	0.488	0.542		*****	*****	*****		0	2X Monthly	Grab
	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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY DUTY OF CARE AND FAITHFULNESS I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE: 19-3-5-C-1 (601) AND 23 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc.
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	0.00	0.00	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****			Monthly	Composite
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.13	0.13	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****			Monthly	Composite
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****			Weekly	Composite
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	0.29771	0.32564	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	0.011	0.013	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****			2X Monthly	Grab

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE DATA I AM IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1919. <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.)</small>	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc PERMIT NUMBER: AL0003417
 MAILING ADDRESS: P O Box 10246 MONITORING POINT: 0011 COUNTY: Jefferson
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue Monitoring Period: 2018-07-01 To: 2018-07-31 NO DISCHARGE FROM SITE: ()
 Tarrant, AL 35217

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail(1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail(1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	6704	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	5.92	8.42	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	56 Monthly Average	84 Maximum Daily		*****	*****	*****			Weekly	Composite

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001. Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months to 3 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH	Sample Measurement	*****	*****		6.75	*****	7.12		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
PARAM CODE: 00400 Stage Code: 1 Final Effluent SOLIDS, TOTAL SUSPENDED	Sample Measurement	*****	*****		*****	8.40	10.40		0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
PARAM CODE: 00556 Stage Code: 1 Final Effluent NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	12.65	14.95		*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
PARAM CODE: 00720 Stage Code: 1 Final Effluent IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.83	0.89		0	2X Monthly	Grab
	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		0	2X Monthly	Grab
	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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREBY AND BASED ON MY KNOWLEDGE OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 23 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or correction imprisonment of between 6 months to 3 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

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

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.884	1.937	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated

Name/Title of Principal Executive Officer Or Authorized Agent	CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 23 U.S.C. § 3319. Penalties under these statutes may include: Fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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" DATE: 7/5/2018
	VOLUME: 17,372,016 GALLONS
FINAL STAFF LEVEL:	44" DATE: 7/10/2018
	VOLUME: 8,220,490 GALLONS
TOTAL DISCHARGE VOLUME:	9,151,526 GALLONS
DAILY AVERAGE FLOW:	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
NAPHTHALENE (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:	84" DATE: 7/17/2018
	VOLUME: 17,372,016 GALLONS
FINAL STAFF LEVEL:	42" DATE: 7/22/2018
	VOLUME: 7,688,183 GALLONS
TOTAL DISCHARGE VOLUME:	9,683,833 GALLONS
DAILY AVERAGE FLOW:	1.937 MGD

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):	
NAPHTHALENE (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

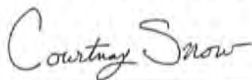
Client: **ABC Coke**
 PO Box 10246
 Birmingham, AL 35202

Attention: Mr. David Vance

Project Name: **001 Chronic Toxicity – July 2018**

Date: August 14, 2018

Primary Data Review by:



Courtney 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. GENERAL:

NPDES PERMIT NO.: AL0003417 DSN: 001 COUNTY: Jefferson
 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: July
 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 No.	Date/Time Start	Date/Time Ended	Control	Date/Time Start	Date/Time Ended	Control
MM/DD/YY HH:MM	MM/DD/YY HH:MM	MM/DD/YY HH:MM	Valid	MM/DD/YY HH:MM	MM/DD/YY HH:MM	Valid
1	7/17/18 12:30	7/25/18 11:55	Yes	7/17/18 13:00	7/25/18 14:15	Yes

2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:

Test	Eff.	Test Number											
		(1)			(2)			(3)			(4)		
Org.	Conc	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p.	16%	PASS	N/A	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C.d.	16%	PASS	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

3. LABORATORY ANALYSES OF UNDILUTED SAMPLE(S):

SAMPLE Id.	BOD5 mg/l	TSS mg/l	NH3 mg/l	pH su	Alk mg/l	Hard-EFF mg/l	TRC mg/l	Conductivity uS
1	----	-----	0.440	7.77	203	18.3	NA	4,300
2	----	-----	0.255	7.76	225	22.4	NA	4,210
3	----	-----	<0.200	7.79	268	30.5	NA	4,260

Chemical Analyses Performed By (Lab): ERA
 Total 24 Hour Flow: (1) 0.323 MGD (2) 0.286 MGD (3) 0.301 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.

SIGNATURE OF RESPONSIBLE OFFICIAL: _____ DATE: _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 07/17/18

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	Arrival Temp. °C.	Used in Test(s)
1	7/15/18 0730 - 7/16/18 0730	1.9	7/17/18 - 7/18/18
2	7/17/18 0730 - 7/18/18 0730	4.2	7/19/18 - 7/20/18
3	7/19/18 0730 - 7/20/18 0730	2.1	7/21/18 - 7/23/18

5. CONTROL/DILUTION WATER:

Type	Prepared MM/DD/YY	Begin Use MM/DD/YY	Initial Water Chemistries				
			Hard.	Alk.	pH	Cond. @ °C.	
MHRW	7/03/18	7/17/18	98	63	7.7	302 @ 25	
MHRW	7/13/18	7/18/18	92	61	7.7	312 @ 25	
MHRW	7/13/18	7/19/18	94	59	7.8	314 @ 25	
MHRW	7/17/18	7/20/18	100	59	7.5	303 @ 25	
MHRW	7/17/18	7/22/18	98	59	7.7	298 @ 25	
MHRW	7/17/18	7/23/18	98	59	7.8	297 @ 25	
MHRW	7/19/18	7/24/18	98	61	7.8	316 @ 25	

6. TOXICITY TEST INFORMATION:

Test Species	Organism Age	Organism Source	Test Solution Concentrations (%)				
P.p.	1-2 days	Florida Bioassay Supply	16%				
C.d.	10-4 hrs	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	2
C.d.	plastic beaker	25	20	5	4

Test Species	Temp. Range (°C.)	D.O. Range (mg/L)	pH Range (su)	Light Intensity Average (ft.-c.)
P.p.	24.1 - 25.9	4.9 - 9.7	7.18 - 7.64	75
C.d.	24.1 - 25.8	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 #: AL0003417 DSN: 001 DATE: 07/17/18

8. REFERENCE TOXICANT TESTS:

TOXICANT: Sodium Chloride SOURCE: Fisher Scientific CAS#: 7647-14-5
Solution Concentration Unit: mg/L g/L X % Other (specify)

Chronic:

Test Org.	Test Date	Control Water	Reference Test Solution Concentrations (Control to Highest Conc.)					NUMBER	
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 Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit				(N)		
P.p.	Survival	4.0	2.0 - 4.0				20		
P.p.	Growth	4.0	2.0 - 4.0				20		
C.d.	Survival	1.5	0.5 - 1.5				20		
C.d.	Reproduction	0.5	0.25- 1.0				20		

Raw Data on File With ADEM Toxics Unit

9. TEST CONDITION VARIABILITY:

9.A. Deviations From Standard Test Conditions:

None

9.B. Test Solution Manipulations or Test Modifications:

None

10. REQUIRED REPORT ATTACHMENTS:

Attach Copies Of Chain-of-Custody Forms, Reference Toxicant Tests, And Raw Data (Bench Sheets) Pertaining To Physical, Chemical, And Biological Measurements For All Tests. Include Suspended, Interrupted, or Discontinued Toxicity Tests Data.

11.C CHRONIC SCREENING TOXICITY TESTS RESULTS (Freshwater):

TEST ORGANISM: Ceriodaphnia dubia

Were Neonates Used to Begin the Test Within 8 hours of the same age?: Yes

Did 60% of the CONTROL Females Produce Their Third Brood? YES: X NO:

SURVIVAL

CHRONIC TOXICITY INDICATED: YES NO X

NO SURVIVAL STATISTICAL ANALYSIS NECESSARY:

CONTROL(%) 24h 100 48h 100 End 100 EFFLUENT(%): 24h 100 48h 100 End 90

Fishers Exact Test: A = 10, B = 10, a = 10, b = 9

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 07/17/18

REPRODUCTION (Average Neonates/Female)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 23.5 EFFLUENT(%): 20.2

NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.631 Critical Value: 0.868 (Parametric)

Equal Variance: Unequal Variance:

F Statistic: 9.2 Critical F: 6.5

/ 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

CONTROL(%) 24h 100 48h 98 7day 98 EFFLUENT(%): 24h 98 48h 98 7day 98

NO MORTALITY STATISTICAL ANALYSIS NECESSARY:

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

CONTROL: 0.783 mg EFFLUENT: 0.748 mg

NO GROWTH STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.958 Critical Value: 0.749 (Parametric)

Equal Variance: Unequal Variance:

F Statistic: 1.15 Critical F: 47.5

/ Test Statistic: 1.933 / Test Critical Value: 1.94

Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric)

COMMENTS:



Client URS

Sample # 181558-01

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 7/17 1150 Receiving Analyst: AE

B. Method of Delivery:

Fed Ex UPS USPS ERA Driver Client Drop Off Other
Tracking Number _____ Present & Broken Present & Present &
by ERA Driver sealed broken

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 Ice pack Dry Ice None Other

C. Packaging Materials: Bubble Wrap None Other: _____

D. Broken Bottles? No Yes If yes, which? _____

E. Temperature °C 1.9 Thermometer ID: Utah Time: 1150 Initials: AE

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? Yes No, _____

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, _____

C. Samples with preservative Yes, no preservatives needed
have been checked and are in No, see preservative info
the correct pH range? Not applicable

D. Trip Blanks Absent Present N/A

Additional Preservative information	
1 Preservative Type:	_____
2 Preservative Lot #	_____
3 pH Strip Lot #	_____
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: It's assigned @ receipt. to lab

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 7/17/18 1150 Initial: AE QA/QC Review By: [Signature]



Client LRS Justice Coal
ABC COKE ACPCO Sample # 181561-01

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 7/19/18 / 1057 Receiving Analyst: DD/AF

B. Method of Delivery:

Fed Ex UPS USPS ERA Driver Client Drop Off Other _____
Tracking Number N/A Present & Broken by ERA Driver Present & sealed Present & broken

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 Ice pack Dry Ice None Other _____

C. Packaging Materials: Bubble Wrap None Other: _____

D. Broken Bottles? No Yes If yes, which? _____

E. Temperature °C 4.2 Thermometer ID: Utah Time: 1115 Initials: AF

Reason for incorrect temp: (>6.0°C) Frozen Beginning of Cooling process Ice melted Other _____

3. Sample Information and Verification

A. Sample Numbers match Chain of Custody? Yes No, Labels to be made

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, _____

C. Samples with preservative Yes, no preservatives needed
have been checked and are in No, see preservative info
the correct pH range? Not applicable

D. Trip Blanks Absent Present N/A

Additional Preservative information	
1 Preservative Type:	_____
2 Preservative Lot #	_____
3 pH Strip Lot #	_____
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: #5 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: AF QA/QC Review By: SE



Client ABC Coke Sample # _____

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 07/20/18 1425 Receiving Analyst: DD

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 Ice pack Dry Ice None Other _____

C. Packaging Materials: Bubble Wrap None Other: _____

D. Broken Bottles? No Yes If yes, which? _____

E. Temperature °C 21 Thermometer ID: Jawa Time: 1425 Initials: DD
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? Yes No, NA

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, NA

C. Samples with preservative Yes, no preservatives needed
have been checked and are in No, see preservative info
the correct pH range? Not applicable

D. Trip Blanks Absent Present N/A

Additional Preservative information	
1 Preservative Type:	_____
2 Preservative Lot #	_____
3 pH Strip Lot #	_____
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: _____

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 07/20/18 1425 Initial: DD QA/QC Review By: [Signature]

SOP 610.4

7 DAY FATHEAD MINNOW TOXICITY TEST

EPA METHOD 1000.0

Date/Time Start	7/17/18 13:00	Randomization Board #	071618BU	Age Of Organisms	24-48 hrs
Date/Time Finish	7/24/18 14:15	pH Meter/Probe	AB15-3/12		
Test #:	74 -164	DO Meter/Probe	YSI 2/2		
Source: ABS Lot: 835	CONTROL for Test	Thermometer ID	773237-1		
Brine Shrimp Lot # 30		Photoperiod:	16 hrs Light / 8 Hrs Dark		
		Water Volume:	250 mLs		

Test Day	1	2	3	4	# Alive	pH OLD	DO OLD	Temp °C OLD	MHRW Dilution Lot	Feed AM	Analysis & Water Change Date/Time/Analyst	Obs.
						pH NEW	DO NEW	Temp °C NEW		Feed PM		
Start	10	10	10	10	40	N/A	N/A	N/A	3616	N/A	07/17/2018 13:00 HA	N
1	10	10	10	10	40	7.54	8.6	24.6	3617	15:15	7-18-18 12:30 BU	N
2	10	10	10	10	40	7.42	8.6	25.4	3618	8:30	7-19-18 13:00 RR	N
3	10	10	10	10	40	7.41	5.5	24.9	3619	13:30	7-20-18 11:00 BU	N
4	10	10	10	10	40	7.64	9.0	24.5	3619	8:00	07/21/2018 13:30 HA	N
5	10	10	10	10	40	7.18	5.8	25.9	3620	13:00	07/22/2018 12:30 HA	N
6	9	10	10	10	39	7.61	8.6	24.2	3621	8:00	7-23-18 11:45 BU	N
7	9	10	10	10	39	7.26	5.8	25.4	N/A	14:30	No Water Change	N
						7.24	4.9	25.2		9:00		
						7.37	6.2	24.2		14:00		
						7.56	8.3	24.9		9:15		
						7.47	9.7	24.8		14:30		
						7.25	4.9	25.6		N/A		
						N/A	N/A	N/A		N/A	7/24/18 14:15 AF	N
						Test Min	7.18	4.9				
						Test Max	7.64	9.7				

Observations Key:

N/A = Not Applicable
1 = Living
0 = Dead

N = Normal
ON = On Bottom
OS = On Surface
LETH = Lethargic
SM = Small

PRE = Precipitate
FC = Flared Carapace
CO = Caught On

CLDY = Cloudy
F = Film
UM = Undissolved Material

CL = Clear/Colorless
ERR = Erratic Swimming

Comments:

Environmental Resource Analysts, Inc.
2975 Brown Ct.
Auburn, AL 36830
(334) 502-3444

SOP 610.4

7 DAY FATHEAD MINNOW TOXICITY TEST

EPA METHOD 1000.0

Test #: 74-164

Client: ABC Coke

Sample Type: eff

% Dilution: 16

Test Day	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.
						pH NEW	DO NEW	Temp °C NEW	Feed PM				
Start	10	10	10	10	40	N/A	N/A	N/A	N/A	181558-01b	07/17/2018 13:05 HA	7.77	N
						7.58	8.8	24.5	15:15				
1	10	10	10	10	40	7.49	6.6	25.9	8:30	181558-01b	7-18-18 12:35 BU	7.78	N
						7.27	8.5	24.9	13:00				
2	10	10	10	10	40	7.66	5.9	24.9	8:35	181561-01b	7-19-18 13:05 RR	7.76	N
						7.62	9.8	25.2	13:30				
3	10	10	10	10	40	7.47	6.2	25.7	8:00	181561-01b	7-20-18 11:05 BU	7.61	N
						7.55	9.0	24.6	13:00				
4	10	10	10	10	40	7.40	5.3	25.4	8:00	181726-01b	07/21/2018 13:35 HA	7.76	N
						7.65	8.5	26.1	14:30				
5	10	10	10	10	40	7.33	4.8	25.1	9:00	181726-01b	07/22/2018 12:35 HA	7.78	N
						7.61	8.9	24.5	14:00				
6	10	10	10	9	39	7.52	6.0	24.4	9:15	181726-01b	7-23-18 11:50 BU	7.86	N
						7.58	9.0	24.6	14:30				
7	10	10	10	9	39	7.50	5.6	25.4	N/A	N/A	No Water Change	8.05	N
						N/A	N/A	N/A	N/A		7/24/18 14:20 AF		
						Test Min	7.27	4.8	24.1				
						Test Max	7.66	9.3	25.9				

Observations Key:

N/A = Not Applicable
1 = Living
0 = Dead

N = Normal
ON = On Bottom
OS = On Surface
LETH = Lethargic
SM = Small

PRE = Precipitate
FC = Flared Carapace
CO = Caught On

CLDY = Cloudy
F = Film
UM = Undissolved Material

CL = Clear/Colorless
ERR = Erratic Swimming

Comments:

Environmental Resource Analysts, Inc.
2975 Brown Ct.
Auburn, AL 36830
(334) 502-3444

Q/A Rev'd By J

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

Test #	74 -164	Balance#:	2
Date/Time/Analyst In Oven:	7/24/18 15:00 AF	Date/Time/Analyst Out Oven:	7/25/18 15:00 RR
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	0.9919	0.9919	N/A	N/A	N/A
Control	1	1.00680	1.01430	9	0.750	0.783
	2	1.01103	1.01900	10	0.797	
	3	1.02920	1.03699	10	0.779	
	4	1.07204	1.08010	10	0.806	

QA'd by Jc

3 BROOD CERIODAPHNIA TOXICITY TEST

Date/Time Start 7/17/2018 12:30 Test # 74-164 Randomization Board #: 071618BU Age Of Test Organisms 0 - 4 Hrs
 Date/Time Finish 7/25/2018 11:55
 pH Meter/Probe AB15-3/12
 DO Meter/Probe YSI 2/2
 Thermometer ID 773237-1
 Photoperiod: 16 hrs Light / 8 Hrs Dark
 Water Volume: 20 mLs
 Algae Lot 272 cells/mL 3*10⁷
 Yeast Lot 276 g/L Solids 1.860
 Vol Fed Per Cup (µL) 130

Test Day											TOTAL	pH OLD	DO OLD	Temp °C OLD	MHRW Dilution Lot	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW				
Start	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	3614	7-17-18 12:30 BU	16:00	N
1	1	1	1	1	1	1	1	1	1	1	10	7.58	7.8	25.8	3617	7-18-18 12:30 RR	16:30	N
											7.42	8.6	25.4					
2											0	7.79	8.0	24.9	3618	7/19/2018 13:00 AF	16:30	N
											7.64	9.0	24.5					
3	1	1	1	1	1	1	1	1	1	1	10	7.37	7.9	25.6	3619	07/20/2018 11:15 HA	16:30	N
	5 1 ^{end}				4 1 ^{end}	3 1 ^{end}	1 1 ^{end}	5 1 ^{end}	3 1 ^{end}	4 1 ^{end}		7.61	8.6	24.2				
4	1	1	1	1	1	1	1	1	1	1	10	7.49	7.9	25.1	3619	7/21/18 12:30 RR	15:00	N
		4 1 ^{end}	3 1 ^{end}	4 1 ^{end}	6 2 ^{end}							7.61	8.5	24.1				
5	1	1	1	1	1	1	1	1	1	1	10	7.51	8.1	25.2	3620	7/22/18 13:00 RR	16:00	N
	7 2 ^{end}	7 2 ^{end}	2 2 ^{end}	7 2 ^{end}		6 2 ^{end}	8 2 ^{end}	3 2 ^{end}		6 2 ^{end}		7.56	8.3	24.9				
6	1	1	1	1	1	1	1	1	1	1	10	7.75	8.3	24.7	3621	7/23/18 14:30 AF	17:00	N
	13 3 ^{end}							1 2 ^{end}	11 2 ^{end}	3 2 ^{end}		7.47	9.7	24.8				
7	1	1	1	1	1	1	1	1	1	1	10	7.58	7.7	24.2	3622	7/24/18 14:00 HA	17:30	N
	1 3 ^{end}	13 3 ^{end}	16 3 ^{end}	15 3 ^{end}	8 3 ^{end}	14 3 ^{end}	15 3 ^{end}	14 3 ^{end}		14 3 ^{end}		7.86	8.5	24.8				
8	1	1	1	1	1	1	1	1	1	1	10	7.79	7.9	25.1	N/A	7/25/18 11:55 RR	N/A	N
			4 3 ^{end}		2 3 ^{end}				7 3 ^{end}			N/A	N/A	N/A				
Neonates	24	24	25	26	20	23	24	21	21	27		7.37	7.7	24.1	Test Minimum			
												7.86	9.7	25.8	Test Maximum			

Observations Key:

Comments:

Number Living	
Neonates	Brood #

N = Normal
ON = On Bottom
OS = On Surface
LETH = Lethargic
SM = Small

PM = Particulate Matter
ERR = Erratic Swimming
UM = Undissolved Material
PRE = Precipitate
FC = Flared Carapace

CL = Clear/Colorless
F = Film
CLDY = Cloudy
CO = Caught ON

N/A = Not Applicable
End = End of Brood

AVERAGE # Neonates per Female
23.5

Environmental Resource Analysts, Inc.
2975 Brown Ct.
Auburn, AL 36830
(334) 502-3444

SOP 609.4

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Client: ABC Coke

Age of Test organisms: 0-4 Hrs

Test # 74-164
Sample Type: eff
% Dilution: 16

Test Day											TOTAL	pH OLD	DO OLD	Temp °C OLD	Sample # Used	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.						
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW										
Start	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	181558-01b	7-17-18 12:35 BU	15:15	N						
1	1	1	1	1	1	1	1	1	1	1	10	7.58	8.8	24.5	181558-01b	7-18-18 12:35 RR	16:00	N						
2	1	1	1	1	1	1	1	1	1	1	10	7.59	8.7	25.8	181558-01b	7-18-18 12:35 RR	16:00	N						
3	1	1	1	1	1	1	1	1	1	1	10	7.27	8.5	24.9	181561-01b	7/19/2018 13:05 AF	16:30	N						
4	1	1	1	1	1	1	1	1	1	1	10	7.90	7.8	24.9	181561-01b	7/19/2018 13:05 AF	16:30	N						
5	1	1	1	1	1	1	1	1	1	1	10	7.62	9.3	25.2	181561-01b	07/20/2018 11:20 HA	16:30	N						
6	1	1	1	1	1	1	1	1	1	1	10	7.56	7.8	25.6	181561-01b	07/20/2018 11:20 HA	16:30	N						
7	1	1	1	1	1	1	1	1	0	1	9	7.55	9.0	24.6	181726-01b	7/21/18 12:35 RR	15:00	N						
8	1	1	1	1	1	1	1	1	0	1	9	7.65	8.5	24.1	181726-01b	7/21/18 12:35 RR	15:00	N						
9	1	1	1	1	1	1	1	1	0	1	9	7.59	8.3	25.2	181726-01b	7/22/18 13:05 RR	16:00	N						
10	1	1	1	1	1	1	1	1	0	1	9	7.61	8.9	24.5	181726-01b	7/22/18 13:05 RR	16:00	N						
11	1	1	1	1	1	1	1	1	0	1	9	7.96	8.1	24.6	181726-01b	7/23/18 14:35 AF	17:00	N						
12	1	1	1	1	1	1	1	1	0	1	9	7.58	9.0	24.6	181726-01b	7/23/18 14:35 AF	17:00	N						
13	1	1	1	1	1	1	1	1	0	1	9	7.64	7.7	24.4	181726-01b	7/24/18 14:05 HA	17:30	N						
14	1	1	1	1	1	1	1	1	0	1	9	7.65	8.8	25.0	181726-01b	7/24/18 14:05 HA	17:30	N						
15	1	1	1	1	1	1	1	1	0	1	9	7.87	7.0	24.2	N/A	7/25/18 12:00 RR	N/A	N						
16	1	1	1	1	1	1	1	1	0	1	9	N/A	N/A	N/A	N/A	7/25/18 12:00 RR	N/A	N						
Neonates	24	24	21	23	20	21	21	23	1	24		7.27	7.7	24.1	Test Minimum									
Observations Key:												7.96	9.3	25.8	Test Maximum									
<p>Number Living</p> <table border="1"> <tr> <td>Neonates</td> <td>Brood #</td> </tr> <tr> <td></td> <td></td> </tr> </table>													Neonates	Brood #			<p>Comments:</p>					<p>AVERAGE # Neonates per Female</p> <p>20.2</p>		
Neonates	Brood #																							
<p>N = Normal ON = On Bottom OS = On Surface LETH = Lethargic SM = Small</p> <p>PM = Particulate Matter ERR = Erratic Swimming UM = Undissolved Material PRE = Precipitate FC = Flared Carapace</p> <p>CL = Clear/Colorless F = Film CLDY = Cloudy CO = Caught ON</p> <p>N/A = Not Applicable End = End of Brood</p> <p>Environmental Resource Analysts, Inc. 2975 Brown Ct. Auburn, AL 36830 (334) 502-3444</p>																								

Larval Fish Growth and Survival Test-7 Day Growth

Start Date: 7/17/2018	Test ID: 74-164fh	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: PP-Pimephales promelas
Comments:		

Conc-%	1	2	3	4
Control	0.7500	0.7970	0.7790	0.8060
eff	0.7430	0.7420	0.7850	0.7220

Conc-%	Mean	N-Mean	Transform: Untransformed					N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%	Critical			MSD	
Control	0.7830	1.0000	0.7830	0.7500	0.8060	3.154	4	1.933	1.943	0.0352	
eff	0.7480	0.9553	0.7480	0.7220	0.7850	3.542	4				

Auxiliary 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				
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences Treatments vs Control	0.03619	0.04495	0.00245	0.00066	0.10148	1, 6

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date: 7/17/2018	Test ID: 74-164c	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: CD-Ceriodaphnia dubia
Comments: stat analysis conducted by JF		

Conc-%	1	2	3	4	5	6	7	8	9	10
Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Eff	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	1.0000

Conc-%	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's 1-Tailed Exact P	Critical
Control	1.0000	1.0000	0	10	10	10		
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

Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date: 7/17/2018 Test ID: 74-164c Sample ID: EFF
 End Date: Lab ID: ERA Sample Type: EFF2-Industrial
 Sample Date: Protocol: EPAF 94-EPA/600/4-91/002 Test Species: CD-Ceriodaphnia dubia
 Comments: stat analysis conducted by JF

Conc-%	1	2	3	4	5	6	7	8	9	10
Control	24.000	24.000	25.000	26.000	20.000	23.000	24.000	21.000	21.000	27.000
Eff	24.000	24.000	21.000	23.000	20.000	21.000	21.000	23.000	1.000	24.000

Conc-%	Mean	N-Mean	Transform: Untransformed					N	Rank Sum	1-Tailed Critical
			Mean	Min	Max	CV%				
Control	23.500	1.0000	23.500	20.000	27.000	9.672	10			
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		
Hypothesis Test (1-tail, 0.05)				
Wilcoxon Two-Sample Test indicates no significant differences Treatments vs Control				

Toxicity Benchsheet

Client: 74 - ABC 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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.51	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.78	*****	7.06		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	7.27	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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	25.0 monthly average	37.5 maximum daily	26 lbs/day	*****	*****	*****	*****		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	1.01	1.34		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	7.17	21.93		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.926	1.175		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	09/25/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
TOXICITY, CERIODAPHNIA CHRONIC	Sample Measurement	*****	0	pass(0)/fail	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61426 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	*****	Monthly
TOXICITY, PIMEPHALES CHRONIC	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 61428 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	0 maximum daily		*****	*****	*****		*****	*****	Monthly
SOLIDS, TOTAL DISSOLVED	Sample Measurement	*****	5300	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 70295 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	*****	Monthly
BOD, CARBONACEOUS 05 DAY, 20C	Sample Measurement	5.92	6.60	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 80082 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	56 monthly average	84 maximum daily		*****	*****	*****		*****	*****	Weekly
	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
		Signed By E2	205-849-1342	09/25/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.455	1.830	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	09/25/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

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

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

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

MONITORING 0011

COUNTY:

Jefferson

FACILITY: Abc Coke Div Drummond Co Inc

POINT:

LOCATION: 900 Huntsville Avenue
Tarrant, AL 35217

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

NO DISCHARGE FROM SITE:

()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	0.59	0.59	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****			Monthly	Composite
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.31	0.31	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****			Monthly	Composite
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****			Weekly	Composite
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****			2X Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	0.28940	0.32673	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	0.016	0.020	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****			2X Monthly	Grab

Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417

MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
TOXICITY, PIMEPHALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****			Monthly	Grab
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	5300	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Composite
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	5.92	6.60	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	56 Monthly Average	84 Maximum Daily		*****	*****	*****			Weekly	Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.80	*****	6.87		0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily	12 S.U.		Weekly	Grab
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	10.67	18.00		0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily	19 mg/l		Weekly	Grab
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	*B	*B		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily	19 mg/l		2X Monthly	Grab
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	7.63	9.77		*****	*****	*****		0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Weekly	Grab
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily	26 lbs/day	*****	*****	*****			Monthly	Grab
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.68	0.69		0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily	19 mg/l		2X Monthly	Grab
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.44	0.52		0	2X Monthly	Grab
	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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246

MONITORING POINT: 0021

COUNTY: Jefferson

Jefferson

Birmingham, AL35202-0246

POINT:

FACILITY: Abc Coke Div Drummond Co Inc

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

NO DISCHARGE FROM SITE: ()

LOCATION: 900 Huntsville Avenue
Tarrant, AL 35217

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1.455	1.830	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. §1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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 – August 2018**

Date: September 13, 2018

Data Reviewed by:

Wayne J. Gaston

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.
 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: 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 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	8/07/18 13:30	8/15/18 11:30	Yes	8/07/18 13:45	8/14/18 11:45	Yes

2.A. SUMMARY OF RESULTS FOR SCREENING TESTS:

Test	Eff.	Test Number											
		(1)			(2)			(3)			(4)		
Org.	Conc	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p.	16%	PASS	N/A	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C.d.	16%	PASS	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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	7.6	205	24.4	NA	3,850
2	----	-----	<0.200	7.7	197	14.3	NA	3,750
3	----	-----	<0.200	7.6	221	20.4	NA	3,430

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 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 RESPONSIBLE OFFICIAL: _____ DATE: _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 08/07/18

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	Arrival Temp. °C.	Used in Test(s)
1	8/05/18 0730 - 8/06/18 0730	3.5	8/07/18 - 8/08/18
2	8/07/18 0730 - 8/08/18 0730	6.0	8/09/18 - 8/10/18
3	8/09/18 0730 - 8/10/18 0730	3.3	8/11/18 - 8/13/18

5. CONTROL/DILUTION WATER:

Type	Prepared	Begin Use	Initial Water Chemistries			
			MM/DD/YY	MM/DD/YY	Hard.	Alk.
MHRW	7/30/18	8/07/18	88	59	7.6	302 @ 25
MHRW	7/30/18	8/09/18	100	59	7.5	299 @ 25
MHRW	8/07/18	8/11/18	92	61	7.6	289 @ 25
MHRW	8/07/18	8/13/18	100	59	7.6	301 @ 25

6. TOXICITY TEST INFORMATION:

Test	Organism	Organism	Test Solution Concentrations (%)			
Species	Age	Source				
P.p.	1-2 days	Florida Bioassay Supply	16%			
C.d.	10-5 hrs	ERA	16%			

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

Test	Temp. Range	D.O. Range	pH Range	Light Intensity
Species	(°C.)	(mg/L)	(su)	Average (ft.-c.)
P.p.	24.0 - 25.9	6.4 - 9.3	7.2 - 8.0	75
C.d.	24.0 - 25.9	7.8 - 9.3	7.0 - 8.0	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 1.83 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 #: AL0003417 DSN: 001 DATE: 08/07/18

8. REFERENCE TOXICANT TESTS:

TOXICANT: Sodium Chloride SOURCE: Fisher Scientific CAS#: 7647-14-5
Solution Concentration Unit: mg/L _____ g/L X % _____ Other (specify)

Chronic:

Test	Test Date	Control	Reference Test Solution Concentrations					
Org.	MM/DD - MM/DD	Water	(Control to Highest Conc.)					
P.p.	8/21/18-8/28/18	MHRW	0	2.0	4.0	6.0	8.0	10.0
C.d.	8/21/18-8/28/18	MHRW	0	0.5	1.0	1.5	2.0	2.5
Test	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit			NUMBER		
Org.						(N)		
P.p.	Survival	4.0	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		

Raw Data on File With ADEM Toxics Unit

9. TEST CONDITION VARIABILITY:

9.A. Deviations From Standard Test Conditions:

None

9.B. Test Solution Manipulations or Test Modifications:

None

10. REQUIRED REPORT ATTACHMENTS:

Attach Copies Of Chain-of-Custody Forms, Reference Toxicant Tests, And Raw Data (Bench Sheets) Pertaining To Physical, Chemical, And Biological Measurements For All Tests. Include Suspended, Interrupted, or Discontinued Toxicity Tests Data.

11.C CHRONIC SCREENING TOXICITY TESTS RESULTS (Freshwater):

TEST ORGANISM: Ceriodaphnia dubia

Were Neonates Used to Begin the Test Within 8 hours of the same age?: Yes
Did 60% of the CONTROL Females Produce Their Third Brood? YES: X NO:

SURVIVAL

CHRONIC TOXICITY INDICATED: YES _____ NO X

NO SURVIVAL STATISTICAL ANALYSIS NECESSARY: X

CONTROL(%) 24h 100 48h 100 End 80 EFFLUENT(%): 24h 100 48h 100 End 100

Fishers Exact Test: A = _____, B = _____, a = _____, b = _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 08/07/18

REPRODUCTION (Average Neonates/Female)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 17.0 EFFLUENT(%): 19.1

NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:

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:

TEST ORGANISM: Pimephales promelas

MORTALITY

CHRONIC TOXICITY INDICATED: YES NO

CONTROL(%) 24h 100 48h 100 7day 95 EFFLUENT(%): 24h 100 48h 100 7day 83

NO MORTALITY STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.903 Critical Value: 0.749 (Parametric)

Equal Variance: Unequal Variance:

F Statistic: 3.67 Critical F: 47.5

/ Test Statistic: 1.733 / Test Critical Value: 1.943

Sample Rank Sum: _____ #Reps.: _____ Critical Rank Sum: _____ (Non-Parametric)

GROWTH - Mean Dry Weight (mg)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 0.631 mg EFFLUENT: 0.676 mg

NO GROWTH STATISTICAL ANALYSIS NECESSARY:

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:



Client LRS

Sample # 10229-27

ERA Cooler Receipt Form

06/18
BU
PP

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 8-7-18/11:04 Receiving Analyst: BU/BS

B. Method of Delivery:

Fed Ex UPS USPS ERA Driver Client Drop Off Other
Tracking Number _____

C. Condition of Custody Seal upon arrival: Absent Present & Broken by ERA Driver Present & sealed Present & broken

2. Condition of Cooler Contents

A. Chain Of Custody Information: Completed Incomplete,

B. 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 3.5 Thermometer ID: Iowa Time: 11:04 Initials: BU

Reason for incorrect temp: ($>6.0^{\circ}\text{C}$) Frozen Beginning of Cooling process Ice melted Other

3. Sample Information and Verification

A. Sample Numbers match Chain of Custody? Yes No, Labels to be made.

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, _____

C. Samples with preservative have been checked and are in the correct pH range? Yes, no preservatives needed No, see preservative info Not applicable

D. Hexane Lot for O&G N/A

E. Trip Blanks Absent Present N/A

Additional Preservative information	
1 Preservative Type:	_____
2 Preservative Lot #	_____
3 pH Strip Lot #	_____
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: _____

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 8-7-18/11:04 Initial: BU QA/QC Review By: _____



Client LRS

Sample # 182851-29

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 8-9-18/10:45 Receiving Analyst: BU

B. Method of Delivery:

Fed Ex UPS USPS ERA Driver Client Drop Off Other _____
Tracking Number _____

C. Condition of Custody Seal upon arrival: Absent Present & Broken by ERA Driver Present & sealed Present & broken

2. Condition of Cooler Contents

A. Chain Of Custody Information: Completed Incomplete, _____

B. 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 3.6 Thermometer ID: Iowa Time: 10:45 Initials: BU

Reason for incorrect temp: (>6.0°C) Frozen Beginning of Cooling process Ice melted Other _____

3. Sample Information and Verification

A. Sample Numbers match Chain of Custody? Yes No, _____

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, _____

C. Samples with preservative have been checked and are in the correct pH range? Yes, no preservatives needed No, see preservative info Not applicable

D. Hexane Lot for O&G N/A

E. Trip Blanks Absent Present N/A

Additional Preservative information	
1	Preservative Type: _____
2	Preservative Lot # _____
3	pH Strip Lot # _____
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: _____

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 8-9-18 Initial: BU/10:45 QA/QC Review By: [Signature]



Client LRS Sample # _____

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 08/10/18 / 1430 Receiving Analyst: AF

B. Method of Delivery:

Fed Ex UPS USPS ERA Driver Client Drop Off Other _____
Tracking Number N/A 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 Ice pack Dry Ice None Other _____

C. Packaging Materials: Bubble Wrap None Other: _____

D. Broken Bottles? No Yes If yes, which? _____

E. Temperature °C 3.3 Thermometer ID: H201 Time: 1435 Initials: DD
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? Yes No, Labels to be made

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, _____

C. Samples with preservative Yes, no preservatives needed
have been checked and are in No, see preservative info
the correct pH range? Not applicable

D. Hexane Lot for O&G N/A

E. Trip Blanks Absent Present N/A

Additional Preservative information	
1	Preservative Type: _____
2	Preservative Lot # _____
3	pH Strip Lot # _____
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: _____

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 08/10/18 / 1556 Initial: AF QA/QC Review By: _____

SOP 610.4

7 DAY FATHEAD MINNOW TOXICITY TEST

EPA METHOD 1000.0

Date/Time Start	8/7/18 13:45	Randomization Board #	080618BU	Age Of Organisms	24-48 hrs
Date/Time Finish	8/14/18 11:45	pH Meter/Probe	AB15-3/12		
Test #:	74 - 165	DO Meter/Probe	YSI 2/2		
Source: ABS Lot: 838	CONTROL for Test	Thermometer ID	Indiana		
Brine Shrimp Lot # 30		Photoperiod:	16 hrs Light / 8 Hrs Dark		
		Water Volume:	250 mLs		

Test Day	1	2	3	4	# Alive	pH OLD	DO OLD	Temp °C OLD	MHRW Dilution Lot	Feed AM	Analysis & Water Change Date/Time/Analyst	Obs.
						pH NEW	DO NEW	Temp °C NEW		Feed PM		
Start	10	10	10	10	40	N/A	N/A	N/A	3632	N/A	08/07/18 13:45 HA	N
1	10	10	10	10	40	7.7	7.2	25.0	3632	8:20	8/8/18 12:00 RR	N
2	10	10	10	10	40	7.5	7.3	24.8	3633	8:15	8/9/18 14:00 AF	N
3	10	10	10	10	40	7.8	8.6	24.6	3633	15:00	8/10/18 11:45 HA	N
4	10	10	10	9	39	7.5	7.0	25.7	3636	8:02	8/11/18 13:10 HA	N
5	10	10	10	9	39	7.8	8.6	24.7	3636	12:15	8/12/18 12:00 RR	N
6	10	10	9	9	38	7.4	8.1	25.9	3637	9:20	8/13/18 14:45 AF	N
7	10	10	9	9	38	7.7	8.7	24.9	N/A	14:00	No Water Change	N
						7.3	6.6	24.0		9:00	8-14-18 11:45 BU	N
						7.8	8.8	25.9		17:00		

Observations Key:

N/A = Not Applicable
1 = Living
0 = Dead

N = Normal
ON = On Bottom
OS = On Surface
LETH = Lethargic
SM = Small

PRE = Precipitate
FC = Flared Carapace
CO = Caught On

CLDY = Cloudy
F = Film
UM = Undissolved Material

CL = Clear/Colorless
ERR = Erratic Swimming

Comments:

Environmental Resource Analysts, Inc.
2975 Browne Ct.
Auburn, AL 36830
(334) 502-3444

Q/A Rev'd By J

SOP 610.4

7 DAY FATHEAD MINNOW TOXICITY TEST

EPA METHOD 1000.0

Test #: 74-165

Client: ABC Coke

Sample Type: effluent

% Dilution: 16

Test Day	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.
						pH NEW	DO NEW	Temp °C NEW	Feed PM				
Start	10	10	10	10	40	N/A	N/A	N/A	N/A	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	182247-01b	8/8/18 12:05 RR	7.7	N
						7.6	9.5	24.1	16:45				
2	10	10	10	10	40	7.6	6.9	24.8	8:15	182258-01b	8/9/18 14:05 AF	7.7	N
						7.7	9.5	25.3	15:00				
3	10	10	10	10	40	7.6	6.7	25.7	8:02	182258-01b	8/10/18 11:50 HA	7.7	N
						7.7	9.3	24.7	12:15				
4	10	10	9	10	39	7.5	7.3	25.9	9:20	182393-01b	8/11/18 13:15 HA	7.7	N
						7.8	9.3	24.0	14:00				
5	10	10	8	7	35	7.6	7.4	25.1	9:00	182393-01b	8/12/18 12:05 RR	7.7	N
						7.9	8.2	24.3	17:00				
6	10	9	8	7	34	7.5	6.4	25.6	9:10	182393-01b	8/13/18 14:50 AF	7.8	N
						8.0	9.0	25.1	15:45				
7	10	8	8	7	33	7.2	6.6	24.4	N/A	N/A	No Water Change	7.9	N
						N/A	N/A	N/A	N/A		8-14-18 11:50 BU		
Test Min						7.2	6.4	24.0					
Test Max						8.0	9.3	25.9					
Observations Key:						Comments:							
N/A = Not Applicable		N = Normal		ON = On Bottom		PRE = Precipitate		CLDY = Cloudy		CL = Clear/Colorless			
l = Living		OS = On Surface		LETH = Lethargic		FC = Flared Carapace		F = Film		ERR = Erratic Swimming			
0 = Dead		SM = Small		CO = Caught On		UM = Undissolved Material							
Environmental Resource Analysts, Inc. 2975 Brown Ct. Auburn, AL 36830 (334) 502-3444													

Q/A Rev'd By J

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

Test #	74 -165	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
Control	1	1.03515	1.04194	10	0.679	0.631
	2	1.04223	1.04888	10	0.665	
	3	1.02572	1.03161	9	0.589	
	4	1.02096	1.02688	9	0.592	

QA'd by F

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)
% Dilution: 16 Sample Type: effluent	1	1.00537	1.01307	10	0.770	0.676
	2	1.05042	1.05693	8	0.651	
	3	1.05415	1.06089	8	0.674	
	4	1.04421	1.05029	7	0.608	
% Dilution: Sample Type:	1				0.000	0.000
	2				0.000	
	3				0.000	
	4				0.000	
% Dilution: Sample Type:	1				0.000	0.000
	2				0.000	
	3				0.000	
	4				0.000	
% Dilution: Sample Type:	1				0.000	0.000
	2				0.000	
	3				0.000	
	4				0.000	
% Dilution: Sample Type:	1				0.000	0.000
	2				0.000	
	3				0.000	
	4				0.000	

QA'd By J

3 BROOD CERIODAPHNIA TOXICITY TEST

Date/Time Start 8/7/2018 13:30 Test # 74 -165 Randomization Board #: 080618BU Age Of Test Organisms 0-5 Hrs
 Date/Time Finish 8/15/2018 11:30
 pH Meter/Probe AB15-3/12
 DO Meter/Probe YSI 2/2
 Thermometer ID Indiana
 Photoperiod: 16 hrs Light / 8 Hrs Dark
 Water Volume: 20 mLs
 Algae Lot 272 cells/mL 3*10⁷
 Yeast Lot 277 g/L Solids 1.83
 Vol Fed Per Cup (µL) 130

Test Day											TOTAL	pH OLD	DO OLD	Temp °C OLD	MHRW Dilution Lot	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW				
Start	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	3632	8-7-18 13:30 BU	14:15	N
1	1	1	1	1	1	1	1	1	1	1	10	7.6	8.2	25.9	3632	8-8-18 11:30 BU	15:00	N
2	1	1	1	1	1	1	1	1	1	1	10	7.7	7.9	24.8	3633	8-9-18 12:00 BU	13:00	N
3	1	1	1	1	1	1	1	1	1	1	10	7.8	8.6	24.6	3633	8-10-18 11:30 BU	13:00	N
4	1	1	1	1	1	1	1	1	1	1	10	7.7	8.0	25.2	3636	8/11/18 12:00 RR	13:00	N
5	1	1	1	1	1	1	1	1	1	1	10	7.7	8.1	24.7	3636	8/12/18 15:00 HA	16:00	N
6	0	1	1	1	1	1	1	1	0	1	8	7.5	8.0	25.3	3637	8/13/18 12:00 RR	14:00	N
7	0	1	1	1	1	1	1	1	0	1	8	7.0	8.8	25.2	3637	8/14/18 11:30 AF	16:00	N
8	0	1	1	1	1	1	1	1	0	1	8	7.7	7.8	25.2	N/A	8/15/18 11:30 AF	N/A	N
Neonates	20	19	22	20	21	21	23	20	0	24		7.00	7.8	24.0		Test Minimum		
												7.78	8.8	25.9		Test Maximum		

Observations Key:

Comments:

AVERAGE # Neonates per Female
17

- N = Normal
- ON = On Bottom
- OS = On Surface
- LETH = Lethargic
- SM = Small
- PM = Particulate Matter
- ERR = Erratic Swimming
- UM = Undissolved Material
- PRE = Precipitate
- FC = Flared Carapace
- CL = Clear/Colorless
- F = Film
- CLDY = Cloudy
- CO = Caught ON
- N/A = Not Applicable
- End = End of Brood

Environmental Resource Analysts, Inc.
2975 Brown Ct.
Auburn, AL 36830
(334) 502-3444

SOP 609.4

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Client: ABC Coke

Age of Test organisms: 0-5 Hrs

Test # 74 -165
 Sample Type: effluent
 % Dilution: 16

Test Day											TOTAL	pH OLD	DO OLD	Temp °C OLD	Sample # Used	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW				
Start	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	182247-01b	8-7-18 13:35 BU	14:15	N
1	1	1	1	1	1	1	1	1	1	1	10	7.8	7.9	25.7	182247-01b	8-8-18 11:35 BU	15:00	N
2	1	1	1	1	1	1	1	1	1	1	10	7.7	7.8	24.8	182258-01b	8-9-18 12:05 BU	13:00	N
3	1	1	1	1	1	1	1	1	1	1	10	7.9	7.9	25.3	182258-01b	8-10-18 11:35 BU	13:00	N
4	1	1	1	1	1	1	1	1	1	1	10	7.7	8.5	24.7	182393-01b	8-11-18 12:05 RR	13:00	N
5	1	1	1	1	1	1	1	1	1	1	10	7.7	8.6	24.7	182393-01b	8-12-18 15:05 HA	16:00	N
6	1	1	1	1	1	1	1	1	1	1	10	7.9	8.2	24.3	182393-01b	8-12-18 15:05 HA	16:00	N
7	1	1	1	1	1	1	1	1	1	1	10	7.6	8.5	25.3	182393-01b	8-13-18 12:05 RR	14:00	N
8	1	1	1	1	1	1	1	1	1	1	10	8.0	9.0	25.1	182393-01b	8-13-18 12:05 RR	14:00	N
Neonates	15	16	19	18	19	18	25	26	19	16	10	7.5	8.8	25.1	182393-01b	8-14-18 11:35 AF	16:00	N
Neonates	10	12	9	11	10	9	11	15	13	13	10	7.9	9.0	24.7	N/A	8-15-18 11:35 AF	N/A	N
Neonates	10	12	9	11	10	9	11	15	13	13	10	7.8	8.1	25.5	N/A	8-15-18 11:35 AF	N/A	N
Neonates	10	12	9	11	10	9	11	15	13	13	10	7.5	7.8	24.0	Test Minimum			
Neonates	10	12	9	11	10	9	11	15	13	13	10	8.0	9.3	25.7	Test Maximum			
Observations Key:											Comments:							
Number Living	N = Normal ON = On Bottom OS = On Surface LETH = Lethargic SM = Small PM = Particulate Matter ERR = Erratic Swimming UM = Undissolved Material PRE = Precipitate FC = Flared Carapace CL = Clear/Colorless F = Film CLDY = Cloudy CO = Caught ON N/A = Not Applicable End = End of Brood										AVERAGE # Neonates per Female							
Neonates	Brood #											19.1						
Environmental Resource Analysts, Inc. 2975 Brown CL Auburn, AL 36830 (334) 502-3444																		

Larval Fish Growth and Survival Test-7 Day Survival

Start Date: 8/7/2018	Test ID: 74-165fh	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: PP-Pimephales promelas
Comments:		

Conc-%	1	2	3	4
Control	1.0000	1.0000	0.9000	0.9000
eff	1.0000	0.8000	0.8000	0.7000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%	Critical			MSD	
Control	0.9500	1.0000	1.3305	1.2490	1.4120	7.072	4	1.733	1.943	0.1976	
eff	0.8250	0.8684	1.1544	0.9912	1.4120	15.615	4				

Auxiliary Tests	Statistic	Critical	Skew	Kurt		
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.90299	0.749	1.01305	0.88996		
F-Test indicates equal variances (p = 0.31)	3.67027	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	0.12313	0.13052	0.06207	0.02067	0.13386	1, 6

Toxicity Benchsheet

Client: 74 - ABC 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

Q/A Rev'd By _____



002 STORM WATER MONITORING

SAMPLE DATE:	8/20/2018
SAMPLE LOCATION:	002 DISCHARGE
SAMPLER:	NORMAN LOEBLER
SAMPLE TIME:	2:00 PM
WEATHER CONDITIONS:	CLOUDY
CREEK CONDITIONS:	CLEAR
INIT STAFF LEVEL:	83" DATE: 8/20/2018
VOLUME:	17,084,425 GALLONS
FINAL STAFF LEVEL:	50" DATE: 8/25/2018
VOLUME:	9,563,853 GALLONS
TOTAL DISCHARGE VOLUME:	7,520,572 GALLONS
DAILY AVERAGE FLOW:	1.504 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):	
NAPHTHALENE (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:	DATE:
VOLUME:	
FINAL STAFF LEVEL:	DATE:
VOLUME:	
TOTAL DISCHARGE VOLUME:	
DAILY AVERAGE FLOW:	

pH:	
TSS(mg/L):	
NH3-N(ppd):	
CN(T)(ppd):	
BENZO(a)PYRENE (ppd):	
PHENOLS (ppd):	
BENZENE (ppd):	
NAPHTHALENE (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"	DATE: 8/1/2018
	VOLUME: 17,372,016 GALLONS	
FINAL STAFF LEVEL:	44"	DATE: 8/6/2018
	VOLUME: 8,220,490 GALLONS	
TOTAL DISCHARGE VOLUME:	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
NAPHTHALENE (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 DISCHARGE	
SAMPLER:	NORMAN LOEBLER	
SAMPLE TIME:	2:00 PM	
WEATHER CONDITIONS:	RAIN	
CREEK CONDITIONS:	CLEAR	
INIT STAFF LEVEL:	65"	DATE: 8/9/2018
	VOLUME: 12,849,585 GALLONS	
FINAL STAFF LEVEL:	42"	DATE: 8/14/2018
	VOLUME: 7,688,183 GALLONS	
TOTAL DISCHARGE VOLUME:	5,161,402 GALLONS	
DAILY AVERAGE FLOW:	1.032 MGD	

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	*****	24.88	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
	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
		Signed By E2	205-849-1342	08/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		6.34	*****	*****		0	Weekly	Grab
Parameter Code: 00300 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	6.0 minimum daily	*****	*****	19 mg/l		Weekly	Grab
PH	Sample Measurement	*****	*****		6.70	*****	7.10		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		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00556 Stage Code: 1 EFFLUENT GROSS VALUE	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
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	33.0 monthly average	49.5 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
NITROGEN, KJELDAHL TOTAL (AS N)	Sample Measurement	5.23	8.60		*****	*****	*****		0	Weekly	Composite
Parameter Code: 00625 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	66 monthly average	99 maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Composite
CYANIDE, TOTAL (AS CN)	Sample Measurement	0.523	0.647		*****	*****	*****		0	2X Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	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	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
		Signed By E2	205-849-1342	10/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
IRON, TOTAL (AS FE)	Sample Measurement	0.74	0.74	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	7.5 monthly average	15.0 maximum daily		*****	*****	*****		*****	0	Monthly
MANGANESE, TOTAL (AS MN)	Sample Measurement	0.38	0.38	26 lbs/day	*****	*****	*****	*****	0	Monthly	Composite
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	5.0 monthly average	10 maximum daily		*****	*****	*****		*****	0	Monthly
BENZO (A) PYRENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Weekly	Composite
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.0012 monthly average	0.0024 maximum daily		*****	*****	*****		*****	0	Weekly
NAPHTHALENE	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.15 monthly average	0.15 maximum daily		*****	*****	*****		*****	0	Monthly
PHENOLS	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.17 monthly average	0.30 maximum daily		*****	*****	*****		*****	0	2X Monthly
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	0.31143	0.38848	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	0	Daily
CYANIDE, FREE AVAILABLE	Sample Measurement	0.022	0.023	26 lbs/day	*****	*****	*****	*****	0	2X Monthly	Grab
Parameter Code: 51173 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	0.145 monthly average	0.475 maximum daily		*****	*****	*****		*****	0	2X Monthly

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0011

MAJOR COUNTY: Jefferson
PROGRAM: Industrial
***** NO DISCHARGE [] *****

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

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

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 001Q

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	Sample Measurement	*****	24.88	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00630 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
PHOSPHORUS, TOTAL (AS P)	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Quarterly	Composite
Parameter Code: 00665 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****		Quarterly
	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
		Signed By E2	205-849-1342	08/24/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR COUNTY: Jefferson
PROGRAM: Industrial

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
PH	Sample Measurement	*****	*****		6.85	*****	7.15		0	Weekly	Grab
Parameter Code: 00400 Stage Code: 1 EFFLUENT GROSS VALUE	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
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		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		*****	*****	*****		0	Weekly	Grab
Parameter Code: 00610 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily	26 lbs/day	*****	*****	*****	*****		Weekly	Grab
CYANIDE, TOTAL (AS CN)	Sample Measurement	*****	*B		*****	*****	*****		0	Monthly	Grab
Parameter Code: 00720 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily	26 lbs/day	*****	*****	*****	*****		Monthly	Grab
IRON, TOTAL (AS FE)	Sample Measurement	*****	*****		*****	0.37	0.45		0	2X Monthly	Grab
Parameter Code: 01045 Stage Code: 1 EFFLUENT GROSS VALUE	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		0	2X Monthly	Grab
Parameter Code: 01055 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	*****	*****	*****	2.0 monthly average	4.0 maximum daily	19 mg/l		2X Monthly	Grab

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
MAILING ADDRESS: P O Box 10246 , Birmingham, AL 35202-0246

PERMIT NUMBER: AL0003417
MONITORING POINT: 0021

MAJOR
 Jefferson
COUNTY:
PROGRAM: Industrial
 *** NO DISCHARGE [] ***

FACILITY: Abc Coke Div Drummond Co Inc
LOCATION: 900 Huntsville Avenue , Tarrant, AL 35217

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

NOTE: Read instructions before completing this form.

Parameter	Sample Measurement / Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BENZENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34030 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
BENZO (A) PYRENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34247 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
NAPHTHALENE	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 34696 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
PHENOLS	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****	*****	0	Monthly	Grab
Parameter Code: 46000 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	*****	report maximum daily		*****	*****	*****		*****	Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PL	Sample Measurement	1.574	1.669	03 MGD	*****	*****	*****	*****	0	Daily	Calculated
Parameter Code: 50050 Stage Code: 1 EFFLUENT GROSS VALUE	Permit Requirement	report monthly average	report maximum daily		*****	*****	*****		*****	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
		Signed By E2	205-849-1342	10/26/2018

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period : 2018-09-01 To 2018-09-30

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO) PARAM CODE: 00300 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.34	*****	*****	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	*****				
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.70	*****	7.10	12 S.U.	0	Daily	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	9.0 Maximum Daily				
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	8.69	15.93	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	342 Monthly Average	513 Maximum Daily		*****	*****	*****				
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	25.0 Monthly Average	37.5 Maximum Daily		*****	*****	*****				
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	1.60	2.35	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	33.0 Monthly Average	49.5 Maximum Daily		*****	*****	*****				
NITROGEN, KJELDAHL TOTAL (AS N) PARAM CODE: 00625 Stage Code: 1 Final Effluent	Sample Measurement	5.23	8.60	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	66 Monthly Average	99 Maximum Daily		*****	*****	*****				
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	0.523	0.647	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	18.27 Monthly Average	26.11 Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.					Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abc Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011
 Monitoring Period : 2018-09-01 To 2018-09-30

COUNTY: Jefferson
 NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	0.74	0.74	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	7.5 Monthly Average	15.0 Maximum Daily		*****	*****	*****				
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	0.38	0.38	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	5.0 Monthly Average	10 Maximum Daily		*****	*****	*****				
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	0.0012 Monthly Average	0.0024 Maximum Daily		*****	*****	*****				
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	0.15 Monthly Average	0.15 Maximum Daily		*****	*****	*****				
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*B	*B	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.17 Monthly Average	0.30 Maximum Daily		*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	0.31143	0.38848	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				
CYANIDE, FREE AVAILABLE PARAM CODE: 51173 Stage Code: 1 Final Effluent	Sample Measurement	0.022	0.023	26 lbs/day	*****	*****	*****		0	2X Monthly	Grab
	Permit Requirement	0.145 Monthly Average	0.475 Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0011

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		*****	0		*****	*****	*****				
TOXICITY, CERIODAPHNIA CHRONIC PARAM CODE: 61426 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****				
TOXICITY, PIMEPHIALES CHRONIC PARAM CODE: 61428 Stage Code: 1 Final Effluent	Sample Measurement	*****	0	9A pass(0)/fail (1)	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	0 Maximum Daily		*****	*****	*****				
SOLIDS, TOTAL DISSOLVED PARAM CODE: 70295 Stage Code: 1 Final Effluent	Sample Measurement	*****	5597	26 lbs/day	*****	*****	*****		0	Monthly	Composite
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				
BOD, CARBONACEOUS 05 DAY, 20C PARAM CODE: 80082 Stage Code: 1 Final Effluent	Sample Measurement	4 50	5 84	26 lbs/day	*****	*****	*****		0	Weekly	Composite
	Permit Requirement	56 Monthly Average	84 Maximum Daily		*****	*****	*****				
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc
 MAILING ADDRESS: P O Box 10246
 Birmingham, AL 35202-0246
 FACILITY: Abe Coke Div Drummond Co Inc
 LOCATION: 900 Huntsville Avenue
 Tarrant, AL 35217

PERMIT NUMBER: AL0003417
 MONITORING POINT: 0021

COUNTY: Jefferson

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

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PH PARAM CODE: 00400 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		6.85	*****	7.15	12 S.U.	0	Weekly	Grab
	Permit Requirement	*****	*****		6.0 Minimum Daily	*****	8.5 Maximum Daily				Weekly
SOLIDS, TOTAL SUSPENDED PARAM CODE: 00530 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	7.07	9.20	19 mg/l	0	Weekly	Grab
	Permit Requirement	*****	*****		*****	35 Monthly Average	70 Maximum Daily				Weekly
OIL & GREASE PARAM CODE: 00556 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.70	1.40	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	10.0 Monthly Average	15.0 Maximum Daily				2X Monthly
NITROGEN, AMMONIA TOTAL (AS N) PARAM CODE: 00610 Stage Code: 1 Final Effluent	Sample Measurement	4.13	4.69		*****	*****	*****	26 lbs/day	0	Weekly	Grab
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****				Weekly
CYANIDE, TOTAL (AS CN) PARAM CODE: 00720 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B		*****	*****	*****	26 lbs/day	0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****				Monthly
IRON, TOTAL (AS FE) PARAM CODE: 01045 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.37	0.45	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	3.0 Monthly Average	6.0 Maximum Daily				2X Monthly
MANGANESE, TOTAL (AS MN) PARAM CODE: 01055 Stage Code: 1 Final Effluent	Sample Measurement	*****	*****		*****	0.22	0.27	19 mg/l	0	2X Monthly	Grab
	Permit Requirement	*****	*****		*****	2.0 Monthly Average	4.0 Maximum Daily				2X Monthly
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. <small>(Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 5 years.)</small>						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)		

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

Alabama Department of Environmental Management Discharge Monitoring Report (DMR)

PERMITTEE NAME: Drummond Company Inc

PERMIT NUMBER: AL0003417

MAILING ADDRESS: P O Box 10246
Birmingham, AL35202-0246

MONITORING POINT: 0021

COUNTY: Jefferson

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: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BENZENE PARAM CODE: 34030 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
BENZO(A)PYRENE PARAM CODE: 34247 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
NAPHTHALENE PARAM CODE: 34696 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
PHENOLS PARAM CODE: 46000 Stage Code: 1 Final Effluent	Sample Measurement	*****	*B	26 lbs/day	*****	*****	*****		0	Monthly	Grab
	Permit Requirement	*****	REPORT Maximum Daily		*****	*****	*****			Monthly	Grab
FLOW, IN CONDUIT OR THRU TREATMENT PLANT PARAM CODE: 50050 Stage Code: 1 Final Effluent	Sample Measurement	1 574	1 669	03 MGD	*****	*****	*****		0	Daily	Calculated
	Permit Requirement	REPORT Monthly Average	REPORT Maximum Daily		*****	*****	*****			Daily	Calculated

Name/Title of Principal Executive Officer Or Authorized Agent	<small>CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months to 3 years.</small>	Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date (MM/DD/YY)

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:

Wayne J. Gaston

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.
 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 No Accelerated Test(s): Yes No
 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:

Test	Eff.	Test Number											
		(1)			(2)			(3)			(4)		
Org.	Conc	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow	Surv	Repr	Grow
P.p.	16%	PASS	N/A	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C.d.	16%	PASS	PASS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

3. LABORATORY ANALYSES OF UNDILUTED SAMPLE(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	----	-----	<0.200	7.6	122	32.6	NA	4,200

Chemical Analyses Performed By (Lab): ERA

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 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 RESPONSIBLE OFFICIAL: _____ DATE: _____

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 09/18/18

4. SAMPLE COLLECTION:

Split Samples: N/A Yes (Explain) _____
 Samples Collected as Specified in the NPDES Permit: Yes 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	9/16/18 0730 - 9/17/18 0730	2.5	9/18/18 - 9/19/18
2	9/18/18 0730 - 9/19/18 0730	2.9	9/20/18 - 9/21/18
3	9/20/18 0730 - 9/21/18 0730	2.6	9/22/18 - 9/24/18

5. CONTROL/DILUTION WATER:

Type	Prepared MM/DD/YY	Begin Use MM/DD/YY	Initial Water Chemistries				
			Hard.	Alk.	pH	Cond. @ °C.	
MHRW	9/14/18	9/18/18	100	59	7.8	313 @ 25	
MHRW	9/14/18	9/19/18	100	59	7.7	317 @ 25	
MHRW	9/14/18	9/20/18	96	59	7.4	321 @ 25	
MHRW	9/19/18	9/22/18	92	59	7.7	319 @ 25	
MHRW	9/19/18	9/23/18	98	59	7.6	313 @ 25	

6. TOXICITY TEST INFORMATION:

Test Species	Organism Age	Organism Source	Test Solution Concentrations (%)				
P.p.	1-2 days	Florida Bioassay Supply	16%				
C.d.	0-8 hrs	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	2
C.d.	plastic beaker	25	20	5	4

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

7. FEEDING:

Not Fed: Fed Daily: 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:

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 09/18/18

8. REFERENCE TOXICANT TESTS:

TOXICANT: Sodium Chloride SOURCE: Fisher Scientific CAS#: 7647-14-5
Solution Concentration Unit: mg/L g/L X % Other(specify)

Chronic:

Test Org.	Test Date	Control Water	Reference Test Solution Concentrations (Control to Highest Conc.)					
P.p.	9/18/18-9/25/18	MHRW	0	2.0	4.0	6.0	8.0	10.0
C.d.	9/18/18-9/26/18	MHRW	0	0.5	1.0	1.5	2.0	2.5
Test Org.	Endpoint	NOEC (g/L)	CUSUM Chart Control Limit			NUMBER (N)		
P.p.	Survival	2.0	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	0.5	0.25- 1.0			20		

Raw Data on File With ADEM Toxics Unit

9. TEST CONDITION VARIABILITY:

9.A. Deviations From Standard Test Conditions:

None

9.B. Test Solution Manipulations or Test Modifications:

None

10. REQUIRED REPORT ATTACHMENTS:

Attach Copies Of Chain-of-Custody Forms, Reference Toxicant Tests, And Raw Data (Bench Sheets) Pertaining To Physical, Chemical, And Biological Measurements For All Tests. Include Suspended, Interrupted, or Discontinued Toxicity Tests Data.

11.C CHRONIC SCREENING TOXICITY TESTS RESULTS (Freshwater):

TEST ORGANISM: Ceriodaphnia dubia

Were Neonates Used to Begin the Test Within 8 hours of the same age?: Yes

Did 60% of the CONTROL Females Produce Their Third Brood? YES: X NO:

SURVIVAL

CHRONIC TOXICITY INDICATED: YES NO X

NO SURVIVAL STATISTICAL ANALYSIS NECESSARY: X

CONTROL(%) 24h 100 48h 100 End 100 EFFLUENT(%): 24h 100 48h 100 End 100

Fishers Exact Test: A = , B = , a = , b =

FACILITY NAME: ABC Coke NPDES #: AL0003417 DSN: 001 DATE: 09/18/18

REPRODUCTION (Average Neonates/Female)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 22.9 EFFLUENT(%): 22.0

NO REPRODUCTION STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.923 Critical Value: 0.868 (Parametric)

Equal Variance: Unequal Variance:

F Statistic: 1.34 Critical F: 6.54

/ Test Statistic: 0.704 / Test Critical Value: 1.734

Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric)

COMMENTS:

TEST ORGANISM: Pimephales promelas

MORTALITY

CHRONIC TOXICITY INDICATED: YES NO

CONTROL(%) 24h 100 48h 100 7day 98 EFFLUENT(%): 24h 95 48h 93 7day 93

NO MORTALITY STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.930 Critical Value: 0.749 (Parametric)

Equal Variance: Unequal Variance:

F Statistic: 1.00 Critical F: 47.5

/ Test Statistic: 1.414 / Test Critical Value: 1.943

Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric)

GROWTH - Mean Dry Weight (mg)

CHRONIC TOXICITY INDICATED: YES NO

CONTROL: 0.437 mg EFFLUENT: 0.408 mg

NO GROWTH STATISTICAL ANALYSIS NECESSARY:

Normally Distributed: Yes No

Test Statistic: 0.979 Critical Value: 0.749 (Parametric)

Equal Variance: Unequal Variance:

F Statistic: 1.53 Critical F: 47.5

/ Test Statistic: 1.760 / Test Critical Value: 1.943

Sample Rank Sum: #Reps.: Critical Rank Sum: (Non-Parametric)

COMMENTS:



Client URS

Sample # 183523

ERA Cooler Receipt Form

183524

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 9/18/18 1120 Receiving Analyst: AF

B. Method of Delivery:

Fed Ex UPS USPS ERA Driver Client Drop Off Other _____

Tracking Number _____

C. Condition of Custody Seal upon arrival: Absent Present & Broken by ERA Driver Present & sealed Present & broken

2. Condition of Cooler Contents

A. Chain Of Custody Information: Completed Incomplete, _____

B. 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 4.6 Thermometer ID: Utah Time: 1127 Initials: AF

Reason for incorrect temp: (>6.0°C) Frozen Beginning of Cooling process Ice melted Other _____

3. Sample Information and Verification

A. Sample Numbers match Chain of Custody? Yes No, Labels to be made.

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, _____

<p>C. Samples with preservative have been checked and are in the correct pH range?</p> <input type="checkbox"/> Yes, no preservatives needed <input type="checkbox"/> No, see preservative info <input checked="" type="checkbox"/> Not applicable	Additional Preservative information			
	1	Preservative Type: _____		
	2	Preservative Lot # _____		
	3	pH Strip Lot # _____		
D. Hexane Lot for O&G <input checked="" type="checkbox"/> N/A	4	Date/Time/Initials _____		

E. Trip Blanks Absent Present N/A

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: _____

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 9/18/18 1125 Initial: AF QA/QC Review By: [Signature]



Client URS ABC COKE Sample # _____

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking

A. Date & Time of Cooler Unpacking 9/20/18/1031 Receiving Analyst: AF

B. Method of Delivery:

Fed Ex UPS USPS ERA Driver Client Drop Off Other _____
Tracking Number MA Present & Broken by ERA Driver Present & sealed Present & broken

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 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: LOWA Time: 1032 Initials: AF

Reason for incorrect temp: (>6.0°C) Frozen Beginning of Cooling process Ice melted Other _____

3. Sample Information and Verification

A. Sample Numbers match Chain of Custody? Yes No, Labels to be made

Correct bottle types used for each sample? Yes No, _____

All samples arrived within holding time? Yes No, _____

B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, _____

C. Samples with preservative have been checked and are in the correct pH range? Yes, no preservatives needed No, see preservative info Not applicable

D. Hexane Lot for O&G N/A

E. Trip Blanks Absent Present N/A

Additional Preservative Information	
1 Preservative Type:	_____
2 Preservative Lot #	_____
3 pH Strip Lot #	_____
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: _____

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 9/20/18 1033 Initial: AF QA/QC Review By: BT



Client ABC Coke Sample # TBD

ERA Cooler Receipt Form

1. Condition of Cooler Upon Unpacking

- A. Date & Time of Cooler Unpacking 9-21-18/ 12:27 Receiving Analyst: BH/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 Ice pack Dry Ice None Other _____
- C. Packaging Materials: Bubble Wrap None Other: _____
- D. Broken Bottles? No Yes If yes, which? _____
- E. Temperature °C 2.6 Thermometer ID: U+H 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? Yes No, TBD
 Correct bottle types used for each sample? Yes No, _____
 All samples arrived within holding time? Yes No, _____
- B. Were all samples requiring preservation verified & marked on the Chain of Custody? Yes No, NA
- C. Samples with preservative Yes, no preservatives needed
 have been checked and are in No, see preservative info
 the correct pH range? Not applicable
- D. Hexane Lot for O&G _____ N/A
- E. Trip Blanks Absent Present N/A
- | Additional Preservative information | |
|-------------------------------------|-------|
| 1 Preservative Type: | _____ |
| 2 Preservative Lot # | _____ |
| 3 pH Strip Lot # | _____ |
| 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: _____

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: BH/AF QA/QC Review By: _____

Evan Ansuya

SOP 609.5

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Date/Time Start 9/18/2018 15:00 Test # 74-166 Randomization Board #: 091718AF Age Of Test Organisms 0-8 Hrs
 Date/Time Finish 9/26/2018 13:00 pH Meter/Probe AB15-3/24
 DO Meter/Probe YSI 2/2
 Algae Lot 274 cells/mL 3*10⁷ Thermometer ID Indiana
 Yeast Lot 279 g/L Solids 1.85 Photoperiod: 16 hrs Light / 8 Hrs Dark
 Vol Fed Per Cup (µL) 130 Water Volume: 20 mLs

Test Day											TOTAL	pH OLD	DO OLD	Temp °C OLD	MHRW Dilution Lot	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW				
Start	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	3651	9/18/18 15:00 AF	17:00	N
1	1	1	1	1	1	1	1	1	1	1	10	7.8	8.1	25.5	3651	9/19/18 15:00 AF	17:00	N
2	1	1	1	1	1	1	1	1	1	1	10	7.8	8.2	25.6	3653	9/20/18 15:00 AF	17:00	N
3	1	1	1	1	1	1	1	1	1	1	10	7.7	8.2	25.9	3653	9/21/18 14:00 AF	16:00	N
4	1	1	1	1	1	1	1	1	1	1	10	7.7	8.3	25.3	3654	9/22/18 14:00 RR	16:00	N
5	1	1	1	1	1	1	1	1	1	1	10	7.7	8.1	25.6	3655	9/23/18 15:00 HA	17:00	N
6	1	1	1	1	1	1	1	1	1	1	10	7.7	7.7	25.3	3655	9/24/18 13:00 AF	17:00	N
7	1	1	1	1	1	1	1	1	1	1	10	7.7	7.9	25.6	3655	9/25/18 13:00 AF	17:10	N
8	1	1	1	1	1	1	1	1	1	1	10	7.7	8.2	25.7	N/A	No Water Change		
Neonates	21	19	25	23	21	26	20	24	27	23		7.6	7.7	24.0		Test Minimum		
Observations Key:												7.9	8.5	25.9		Test Maximum		

Comments:

N = Normal
 ON = On Bottom
 OS = On Surface
 LETH = Lethargic
 SM = Small
 PM = Particulate Matter
 ERR = Erratic Swimming
 UM = Undissolved Material
 PRE = Precipitate
 FC = Flared Carapace
 CL = Clear/Colorless
 F = Film
 CLDY = Cloudy
 CO = Caught ON
 N/A = Not Applicable
 End = End of Brood
 M = Male

AVERAGE # Neonates per Female

22.9

Environmental Resource Analysts, Inc.
 2975 Brown Ct.
 Auburn, AL 36830
 (334) 502-3444

Q/A Rev'd By _____

AF

SOP 609.5

3 BROOD CERIODAPHNIA TOXICITY TEST

EPA METHOD 1002.0

Client: LRS- ABC Coke

Age of Test organisms: 0-8 Hrs

Test # 74 -166
Sample Type: effluent
% Dilution: 16

Test Day											TOTAL	pH OLD	DO OLD	Temp °C OLD	Sample # Used	Analysis & Water Change Date/Time/Analyst	Feed Time	Obs.
	1	2	3	4	5	6	7	8	9	10		pH NEW	DO NEW	Temp °C NEW				
Start	1	1	1	1	1	1	1	1	1	1	10	N/A	N/A	N/A	183523-01b	9/18/18 15:05 AF	17:00	N
1	1	1	1	1	1	1	1	1	1	1	10	7.9	8.1	25.5	183523-01b	9/19/18 15:05 AF	17:00	N
2	1	1	1	1	1	1	1	1	1	1	10	7.8	8.1	25.5	183536-01b	9/20/18 15:05 AF	17:00	N
3	1	1	1	1	1	1	1	1	1	1	10	7.9	8.3	25.8	183536-01b	9/21/18 14:05 AF	16:00	N
4	1	1	1	1	1	1	1	1	1	1	10	7.6	8.6	25.5	183553-01b	9/22/18 14:05 RR	16:00	N
5	1	1	1	1	1	1	1	1	1	1	10	7.6	8.4	25.6	183553-01b	9/23/18 15:05 HA	17:00	N
6	1	1	1	1	1	1	1	1	1	1	10	7.7	8.7	25.0	183553-01b	9/24/18 13:05 AF	17:00	N
7	1	1	1	1	1	1	1	1	1	1	10	7.8	7.8	25.4	183553-01b	9/25/18 13:05 AF	17:10	N
8	1	1	1	1	1	1	1	1	1	1	10	7.7	7.9	25.5	183553-01b	9/25/18 13:05 AF	17:10	N
Neonates	22	18	23	19	25	18	24	25	20	26		7.8	8.0	25.7	N/A	No Water Change		
Observations Key:												7.6	7.8	24.2	Test Minimum			
												7.9	8.9	25.8	Test Maximum			
Comments:																		
N = Normal ON = On Bottom OS = On Surface LETH = Lethargic SM = Small PM = Particulate Matter ERR = Erratic Swimming UM = Undissolved Material PRE = Precipitate FC = Flared Carapace CL = Clear/Colorless F = Film CLDY = Cloudy CO = Caught ON N/A = Not Applicable End = End of Brood M = Male													AVERAGE # Neonates per Female					
													22					
Environmental Resource Analysts, Inc. 2975 Brown Ct. Auburn, AL 36830 (334) 502-3444																		

Q/A Rev'd By _____

AP

SOP 610.5

7 DAY FATHEAD MINNOW TOXICITY TEST

EPA METHOD 1000.0

Test #: 74 - 166

Client: LRS- ABC Coke

Sample Type: effluent

% Dilution: 16

Test Day	1	2	3	4	# Alive	pH OLD	DO OLD	Temp °C OLD	Feed AM/ Shrimp Lot	Sample # Used	Analysis & Water Change Date/Time/Analyst	pH 100%	Obs.
						pH NEW	DO NEW	Temp °C NEW	Feed PM/ Shrimp Lot				
Start	10	10	10	10	40	N/A	N/A	N/A	N/A	183523-01b	9/18/18 15:15 RR	7.5	N
1	10	9	9	10	38	7.5	6.9	25.5	8:55/091818AF	183523-01b	9/19/18 16:45 HA	8.0	N
						7.6	8.9	25.7	17:30/091818AF				
2	9	9	9	10	37	7.6	7.5	25.2	08:45/091918AF	183536-01b	9-20-18 13:15 BU	7.5	N
						7.6	8.6	24.9	16:30/091918AF				
3	9	9	9	10	37	7.4	7.0	25.3	8:45/092018AF1	183536-01b	09/21/18 13:15 HA	7.6	N
						7.6	8.7	25.6	16:30/092018AF2				
4	9	9	9	10	37	7.5	6.7	25.6	9:05/092118AF2	183553-01b	09/22/18 13:15 HA	7.6	N
						7.6	8.7	25.4	14:00/092118AF2				
5	9	9	9	10	37	7.5	6.9	25.6	10:30/092218HA1	183553-01b	9/23/18 13:15 RR	7.6	N
						7.7	8.7	25.0	19:00/092318RR1				
6	9	9	9	10	37	7.5	6.0	25.4	8:35/092318RR1	183553-01b	9/24/18 15:05 AF	7.8	N
						7.6	8.5	24.8	15:30/092318HA2				
7	9	9	9	10	37	7.5	6.7	24.5	N/A	N/A	No Water Change	7.8	N
						N/A	N/A	N/A	N/A		9/25/18 14:35 RR		
Test Min						7.4	6.0	24.2					
Test Max						7.7	8.9	25.7					
Observations Key:						Comments:							
N/A = Not Applicable I = Living 0 = Dead						N = Normal ON = On Bottom OS = On Surface LETH = Lethargic SM = Small		PRE = Precipitate FC = Flared Carapace CO = Caught On		CLDY = Cloudy F = Film UM = Undissolved Material		CL = Clear/Colorless ERR = Erratic Swimming	
Environmental Resource Analysts, Inc. 2975 Brown Ct. Auburn, AL 36830 (334) 502-3444													

Q/A Rev'd By

JF
AF

DRY WEIGHT DETERMINATION FOR FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST



Test # 74 -166 Balance#: 2
 Date/Time/Analyst In Oven: 9/25/18 15:30 RR Date/Time/Analyst Out Oven: 9/26/18 15:30 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
Control	1	1.03055	1.03515	10	0.460	0.437
	2	1.03444	1.03844	9	0.400	
	3	1.02351	1.02791	10	0.440	
	4	1.00741	1.01188	10	0.447	

QA'd by JE
AF

Test Number: 74 - 166 Client: LRS-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)
% Dilution: 16 Sample Type: effluent	1	1.04139	1.04534	9	0.395	0.408
	2	1.04802	1.05206	9	0.404	
	3	1.05417	1.05810	9	0.393	
	4	1.01698	1.02136	10	0.438	
% Dilution: Sample Type:	1					
	2					
	3					
	4					
% Dilution: Sample Type:	1					
	2					
	3					
	4					
% Dilution: Sample Type:	1					
	2					
	3					
	4					
% Dilution: Sample Type:	1					
	2					
	3					
	4					

QA'd By



Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date: 9/18/2018	Test ID: 74-166c	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: CD-Ceriodaphnia dubia
Comments: stat analysis conducted by JF		

Conc-%	1	2	3	4	5	6	7	8	9	10
Control	21.000	19.000	25.000	23.000	21.000	26.000	20.000	24.000	27.000	23.000
Eff	22.000	18.000	23.000	19.000	25.000	18.000	24.000	25.000	20.000	26.000

Conc-%	Mean	N-Mean	Transform: Untransformed					N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%	Critical			MSD	
Control	22.900	1.0000	22.900	19.000	27.000	11.544	10	0.704	1.734	2.215	
Eff	22.000	0.9607	22.000	18.000	26.000	13.887	10				

Auxiliary 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				
Hypothesis Test (1-tail, 0.05)	MSDu	MSDp	MSB	MSE	F-Prob	df
Homoscedastic t Test indicates no significant differences Treatments vs Control	2.21541	0.09674	4.05	8.16111	0.49016	1, 18

Larval Fish Growth and Survival Test-7 Day Survival

Start Date: 9/18/2018	Test ID: 74-166fh	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: PP-Pimephales promelas
Comments:		

Conc-%	1	2	3	4
Control	1.0000	0.9000	1.0000	1.0000
eff	0.9000	0.9000	0.9000	1.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root				N	t-Stat	1-Tailed	
			Mean	Min	Max	CV%			Critical	MSD
Control	0.9750	1.0000	1.3713	1.2490	1.4120	5.942	4			
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	Kurt		
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

Larval Fish Growth and Survival Test-7 Day Growth

Start Date: 9/18/2018	Test ID: 74-166fh	Sample ID: EFF
End Date:	Lab ID: ERA	Sample Type: EFF2-Industrial
Sample Date:	Protocol: EPAF 94-EPA/600/4-91/002	Test Species: PP-Pimephales promelas
Comments:		

Conc-%	1	2	3	4
Control	0.4600	0.4000	0.4400	0.4470
eff	0.3950	0.4040	0.3930	0.4380

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

Auxiliary 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 Treatments vs Control	0.0323	0.07396	0.00171	0.00055	0.12896	1, 6

