

PWS_2060012_AC_20180806_WQP Analysis Report

20679 INKALC TO INITIAL GROUP

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679												
Completed by PWS (or Agent)					Completed by Laboratory							
PWS Name: <u>Richland SUD</u>					Laboratory Name: <u>DSHS</u>							
PWS ID #: <u>TX 2060012</u>					TCEQ Lab ID #: <u>T104704297</u>							
PWS Address: <u>PO Box</u>					Laboratory Address: <u>1100 W 49th street</u>							
PWS Contact: <u>Frank Pearce</u>					Laboratory Contact: <u>Cari Hogberg</u>							
PWS Contact Phone #: <u>325-456-9375</u>					Laboratory Contact Phone #: <u>512-776-7587</u>							
Inhibitor or Stabilizer Used (✓): ☒ Phosphate					Calcium carbonate							
TREATMENT					Inhibitor Dosage Rate: <u> </u>							
Alkalinity Dosage Rate: <u> </u>					Silica							
Sample Information												
Sample Type (✓): ☒ Compliance			Non-compliance									
Sample Collector (✓): ☒ Public Water System			Accredited Lab			3rd Party Contractor --> LAB ID <u>AL 0026823</u>						
Temperature and pH (Y or N): ☒			Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ?			Were temperature and pH measured in the field within 15 minutes of sample collection? ☒						
Sample Point ID (e.g. DS01, PBCU001)			Sample Location			Date (MMDDYY)			Time - 24 hr (HHMM)	Field Measurements	Original Sample ID #	Original Sample Date (MMDDYY)
DSC 1 BSNWP			5388 CR 246			080618			12:15	pH 7.2	Temp (°C) 27	
DSC 2 BSNWP			3298 CR 200			080618			11:10	pH 7.2	Temp (°C) 29	
PBUCC ENWP			CTP - CR 258			080618			11:50	pH 7.3	Temp (°C) 27.7	
PBUCC ENWP			Brady STP - FM 112			080618			0947	pH 7.8	Temp (°C) 28.3	
I acknowledge that information on this form is true and correct and sites selected for sampling follow the instructions in the TCEQ Monitoring and Sample Collection Guidance for Water Quality Parameters. This includes, but not limited to, the measurement of pH and temperature immediately upon collection. Falsification of this form or tampering with water samples is a crime punishable under state and/or federal law. (Texas Penal Code, Title 8, Chapter 37.10)												
Name of Authorized PWS Representative (Print)			Signature			Organization			Date			
Frank Pearce			Frank Pearce			Richland SUD			8/6/18			
Chain of Custody												
Relinquished By (Signature)			Relinquished By Courier (Signature)			Date			Date			
Katy Mumbler			8/6/18			8/6/18			8/6/18			
Received By Courier (Signature)			Received By Lab (Signature)			Date			Date			
Asa m			8-6-18			8-6-18			8-6-18			
TCEQ 20679 (Rev 12/2017)												

AE35702 A-B
Pb/Cu
08/06/2018
DWO



Alkalinity (1927)	✓
Calcium (1919)	✓
Chloride (1017)	✓
Conductivity (1064)	✓
Hardness (1915)	✓
Iron (1028)	✓
Manganese (1032)	✓
Sodium (1052)	✓
Sulfate (1055)	✓
TDS (1930)	✓
O Phosphate (1044)	✓
Silica (1049)	✓

Sample Conditions Upon Receipt (✓)	
✓ Samples received unpreserved?	Y Iced
Rejection Code (if applicable)	Actual / Corrected sample temperature
Date & Time of Sample Preservation (Acidified): <u>08/06/18 8:16/18</u>	<u>0.8 / 0.8</u>
Thermometer ID #	<u>101732337</u>
Laboratory Comments:	

signed

Completed by Laboratory

1

512

next invoice to HITEC GROUP

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY PARAMETER MONITORING FORM 20679

Completed by Laboratory

Completed by PWS (or Agent)

Laboratory Name: DSHS
YCEQ Lab ID #: T104704297
Laboratory Address: 1100 W 4th Street
Austin TX 78750
Laboratory Contact: Carl Hogberg
Laboratory Contact Phone #: 512-770-7587

Laboratory Name:
YCEQ Lab ID #:
Laboratory Address:
Laboratory Contact:
Laboratory Contact Phone #:

Calcium carbonate
Inhibitor Dosage Rate:
Alkalinity Dosage Rate:
Phosphate
Silica

PWS Name: Richland SUD
PWS ID #: TX 2060012
PWS Address: PO Box
PWS Contact: Frank Pearce
PWS Contact Phone #: 325-456-9375

Inhibitor or Stabilizer Used (✓):
TREATMENT
Alkalinity Dosage Rate:
Phosphate
Silica

Sample Information

Sample Type (✓): Compliance
Sample Collector (✓): Public Water System
Temperature and pH (Y or N): Y
3rd Party Contractor --> LAB ID AL 0026823
Were temperature and pH measured in the field within 15 minutes of sample collection? Y

Parameters Requested: Analyses are required for the parameters checked. If an inhibitor concentration check is also required then these parameters should also be analyzed depending on which is in use.

Facility ID (e.g. DS01, PBCU001)	Sample Point ID (e.g. DSTWQP, EWQP)	Sample Location	Sample Collection			Field Measurements			Original Sample ID #	Original Sample Date (MMDDYY)	Lab
			Date (MMDDYY)	Time - 24 hr (HHMM)	Temp (°C)	pH	Temp (°C)	Replacement?			
DS01	DSTWQP	5388 CR 246	080618	12:15	7.2	27					
DS01	DSTWQP	3298 CR 260	080618	11:10	7.2	29					
PBCU001	EWQP	STP - CR 258	080618	11:50	7.3	27.7					
PBCU002	EWQP	Brady STP - FM 112	080618	09:47	7.8	28.3					

AE35704 A-B
Pb/Cu
08/06/2018
DWO

I acknowledge that information on this form is true and correct and sites selected for sampling follow the instructions in the TCEQ Monitoring and Sample Collection Guidance for Water Quality Parameters. This includes, but not limited to the measurement of pH and temperature immediately upon collection. Falsification of this form or tampering with water samples is a crime punishable under state and/or federal law (Texas Penal Code, Title 8, Chapter 37.10).

Sample Conditions Upon Receipt (✓):
✓ Samples received unspiced? ☒ Iced ☐ Ambient

Rejection Code (if applicable)
Date & Time of Sample Preservation (Acidified): 08/06/18 8:16/131

Actual / Corrected sample temperature
Thermometer ID #: 101732337

Rejection Code (if applicable)
Date & Time of Sample Preservation (Acidified): 08/06/18 8:16/131

Sample Conditions Upon Receipt (✓):
✓ Samples received unspiced? ☒ Iced ☐ Ambient

Rejection Code (if applicable)
Date & Time of Sample Preservation (Acidified): 08/06/18 8:16/131

Actual / Corrected sample temperature
Thermometer ID #: 101732337

Rejection Code (if applicable)
Date & Time of Sample Preservation (Acidified): 08/06/18 8:16/131

Rejection Code (if applicable)
Date & Time of Sample Preservation (Acidified): 08/06/18 8:16/131

Laboratory Comments:

Relinquished By (Signature)
Date 8/6/18

Relinquished By Courier (Signature)
Date 8-6-18

Received By (Signature)
Date 8-6-18

Received By Courier (Signature)
Date 8-6-18



Texas Department of State Health Services

LABORATORY SERVICES SECTION, MC-1947
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

*DWQ Analysis Report

Submitter Identification Number: 0000128

ANTEA GROUP
ERIC MUEHLBERGER
9009 MOUNTAIN RIDGE DR STE 110
AUSTIN, TX 78759

Date Reported : 08/21/2018
Report ID# : 20180821084307AE35701

Lab Sample ID# : AE35701 Water Source :
Sample Priority : NORMAL Dist. Location : DSTWQP 5388 CR
Submitter 246
Sample ID : DS01 01

Date Collected : 08/06/2018 12:15
Date Received : 08/06/2018

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	08/06/2018	EB
pH Check	Completed		EPA 200.2	08/08/2018	BF
Turbidity Screen	Completed		SM 2130B	08/08/2018	BF
Visible Particles	Completed			08/08/2018	BF
Total Hardness as CaCO ₃ by Calculation	334	mg/L	SM 2340B	08/08/2018	BF
Calcium	98.5	mg/L	EPA 200.7	08/08/2018	BF
Iron ¹	< 0.010	mg/L	EPA 200.7	08/08/2018	BF
Manganese ¹	< 0.0010	mg/L	EPA 200.8	08/08/2018	IU
Sodium ¹	42.0	mg/L	EPA 200.7	08/08/2018	BF
Diluted Conductance @ 25.0 °C ¹	875	µmho/cm	SM 2510 B	08/07/2018 11:55	CP
Total Alkalinity as CaCO ₃	330	mg/L	SM 2320B	08/09/2018 15:00	CP
Chloride ¹	55	mg/L	EPA 300.0	08/10/2018 13:03	LA
Sulfate ¹	15	mg/L	EPA 300.0	08/10/2018 13:03	LA
Total Dissolved Solids ¹	462	mg/L	SM 2540C	08/07/2018 11:26	CP

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(¹) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead LARCHER on 08/16/2018

***DWQ**
Analysis Report

Submitter Identification Number: 0000128

ANTEA GROUP
ERIC MUEHLBERGER
9009 MOUNTAIN RIDGE DR STE 110
AUSTIN, TX 78759

Date Reported : 08/21/2018
Report ID# : 20180821084307AE35702

Lab Sample ID# : AE35702 Water Source : Date Collected : 08/06/2018 11:10
Sample Priority : NORMAL Dist. Location : DSTWQP 3298 CR Date Received : 08/06/2018
Submitter 260
Sample ID : DS01 02 Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	08/06/2018	EB
pH Check	Completed		EPA 200.2	08/08/2018	BF
Turbidity Screen	Completed		SM 2130B	08/08/2018	BF
Visible Particles	Completed			08/08/2018	BF
Total Hardness as CaCO ₃ by Calculation	333	mg/L	SM 2340B	08/08/2018	BF
Calcium	98.3	mg/L	EPA 200.7	08/08/2018	BF
Iron ¹	< 0.010	mg/L	EPA 200.7	08/08/2018	BF
Manganese ¹	< 0.0010	mg/L	EPA 200.8	08/08/2018	IU
Sodium ¹	42.1	mg/L	EPA 200.7	08/08/2018	BF
Diluted Conductance @ 25.0 °C ¹	880	µmho/cm	SM 2510 B	08/07/2018 11:55	CP
Total Alkalinity as CaCO ₃	331	mg/L	SM 2320B	08/09/2018 15:09	CP
Chloride ¹	55	mg/L	EPA 300.0	08/10/2018 14:41	LA
Sulfate ¹	15	mg/L	EPA 300.0	08/10/2018 14:41	LA
Total Dissolved Solids ¹	461	mg/L	SM 2540C	08/07/2018 11:26	CP

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(1) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead LARCHER on 08/16/2018

***DWQ**
Analysis Report

Submitter Identification Number: 0000128

ANTEA GROUP
ERIC MUEHLBERGER
9009 MOUNTAIN RIDGE DR STE 110
AUSTIN, TX 78759

Date Reported : 08/21/2018
Report ID# : 20180821084307AE35703

Lab Sample ID# : AE35703 Water Source : Date Collected : 08/06/2018 11:50
Sample Priority : NORMAL Dist. Location : EWQP STP CR 258 Date Received : 08/06/2018
Submitter
Sample ID : PBCU001

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	08/06/2018	EB
pH Check	Completed		EPA 200.2	08/08/2018	BF
Turbidity Screen	Completed		SM 2130B	08/08/2018	BF
Visible Particles	Completed			08/08/2018	BF
Total Hardness as CaCO ₃ by Calculation	333	mg/L	SM 2340B	08/08/2018	BF
Calcium	98.1	mg/L	EPA 200.7	08/08/2018	BF
Iron ¹	< 0.010	mg/L	EPA 200.7	08/08/2018	BF
Manganese ¹	< 0.0010	mg/L	EPA 200.8	08/08/2018	IU
Sodium ¹	42.3	mg/L	EPA 200.7	08/08/2018	BF
Diluted Conductance @ 25.0 °C ¹	880	µmho/cm	SM 2510 B	08/07/2018 11:55	CP
Total Alkalinity as CaCO ₃	330	mg/L	SM 2320B	08/09/2018 15:17	CP
Chloride ¹	55	mg/L	EPA 300.0	08/10/2018 14:57	LA
Sulfate ¹	15	mg/L	EPA 300.0	08/10/2018 14:57	LA
Total Dissolved Solids ¹	464	mg/L	SM 2540C	08/07/2018 11:26	CP

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(¹) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead LARCHER on 08/16/2018

***DWQ**
Analysis Report

Submitter Identification Number: 0000128

ANTEA GROUP
ERIC MUEHLBERGER
9009 MOUNTAIN RIDGE DR STE 110
AUSTIN, TX 78759

Date Reported : 08/21/2018
Report ID# : 20180821084307AE35704

Lab Sample ID# : AE35704 Water Source :
Sample Priority : NORMAL Dist. Location : EWQP BRADY STP
Submitter FM 1121
Sample ID : PBCU002

Date Collected : 08/06/2018 09:47
Date Received : 08/06/2018

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	08/06/2018	EB
pH Check	Completed		EPA 200.2	08/08/2018	BF
Turbidity Screen	Completed		SM 2130B	08/08/2018	BF
Visible Particles	Completed			08/08/2018	BF
Total Hardness as CaCO ₃ by Calculation	320	mg/L	SM 2340B	08/08/2018	BF
Calcium	68.6	mg/L	EPA 200.7	08/08/2018	BF
Iron ¹	0.155	mg/L	EPA 200.7	08/08/2018	BF
Manganese ¹	0.0030	mg/L	EPA 200.8	08/08/2018	IU
Sodium ¹	26.1	mg/L	EPA 200.7	08/08/2018	BF
Diluted Conductance @ 25.0 °C ¹	780	µmho/cm	SM 2510 B	08/07/2018 11:55	CP
Total Alkalinity as CaCO ₃	308	mg/L	SM 2320B	08/09/2018 15:26	CP
Chloride ¹	24	mg/L	EPA 300.0	08/10/2018 15:13	LA
Sulfate ¹	43	mg/L	EPA 300.0	08/10/2018 15:13	LA
Total Dissolved Solids ¹	407	mg/L	SM 2540C	08/07/2018 11:26	CP

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(¹) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead LARCHER on 08/16/2018