Table 11-1
Storm Water Monitoring Analytical Data
ABIA Storm Water Pollution Prevention Plan
2014-2015 Deicing Season

Outfall	Sample Date	Sample ID	Parameters	Result (mg/L or s.u.)	Discharge start date
2 (Echo 2)	12/30/2014	ECHO2-30DEC14-G	COD	256	1/5/2015
			BOD	138	
			PG	70.7	
	1/5/2015	ECHO2-05JAN15-G	PAH EPA 625	ND	
			BTEX, MTBE EPA 624	<LOD	
			Ammonia Nitrogen	<0.1	
			Sulfate	11.5	
	1/5/2015	N/A (Field pH)	pH	8.83	
2 (Echo 1)	1/5/2015	ECHO1-05JAN15-G	COD	276	1/8/2015
			BOD	LE	
	1/9/2015	ECHO1-09JAN15-G	COD	281	
			BOD	154	
			PG	116	
			Ammonia Nitrogen	<0.1	
			Sulfate	7.32	
	1/8/2015	N/A (Field pH)	pH	7.08	
2 (Echo 2)	1/12/2015	ECHO2-12JAN15-G	COD	745	1/16/2015
			BOD	430	
			PG	416	
		N/A (Field pH)	pH	7.42	
2 (Echo 1)	1/22/2015	ECHO1-22JAN15-G	COD	165	1/25/2015
			BOD	67	
	1/26/2015	ECHO1-26JAN15-G	PG	22.9	
	1/23/2015	N/A (Field pH)	pH	7.06	
	1/29/2015	N/A (Field pH)	pH	7.26	
2 (Echo 2)	2/4/2015	ECHO2-04FEB15-G	COD	192	2/11/2015
			BOD	84.7	
	2/6/2015	ECHO2-06FEB15-G	PG	69.2	
	2/4/2015	N/A (Field pH)	pH	7.13	
	2/11/2015	N/A (Field pH)	pH	8.35	
2 (Echo 1)	3/10/2015	ECHO1-10MAR15	COD	729	3/11/2015
			BOD	429	
			PG	275	
	3/11/2015	N/A (Field pH)	pH	6.93	
	3/15/2015	N/A (Field pH)	pH	7.72	
2 (Echo 1)	3/23/2015	ECHO1-23MAR15-G	COD	215	3/24/2015
			BOD	99	
	4/7/2015	ECHO1-07APR15-G	PG	<50	
	3/23/2015	N/A (Field pH)	pH	6.8	
2 (Echo 1)	4/20/2015	ECHO1-21APR15-G	COD	80	N/A
2 (Echo 2)	3/10/2015	ECHO2-10MAR15	COD	2875	4/1/2015
			BOD	1439	
			PG	1310	
	4/1/2015	N/A (Field pH)	pH	7.75	
	4/9/2015	N/A (Field pH)	pH	7.8	
	4/15/2015	N/A (Field pH)	pH	7.3	
	4/16/2015	N/A (Field pH)	pH	7.15	
	3/17/2015	ECHO2-17MAR15-G	COD	3170	
	3/17/2015	ECHO2-17MAR15-G	MBAS Surfactants	0.486	

LE = laboratory error, LOD = limit of detection , ND = non detect

Table 11-1
Storm Water Monitoring Analytical Data
Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
DP-1	5/9/05	4.1	<5	0.15	8.0	NT	NT	NT	NT	NT	NT	NT
DP-1	10/31/05	6	106	<MDL	8.1	NT	NT	NT	NT	NT	NT	NT
DP-1	3/20/06	3.8	21	0.51	7.5	NT	NT	NT	NT	NT	NT	NT
DP-1	10/10/06	4.8	52	0.15	7.8	NT	NT	NT	NT	NT	NT	NT
DP-2	10/31/05	3	<MDL	<MDL	8.0	NT	NT	NT	NT	NT	NT	NT
DP-8	8/9/02	20	*124*	0.19	NT	NT	NT	NT	NT	NT	NT	NT
DP-8	11/26/02	2.4	*148*	NT	8.1	NT	6	NT	NT	NT	NT	NT
DP-8	5/12/03	4.2	42	0.208	7.84	NT	NT	NT	NT	NT	NT	NT
DP-8	2/5/04	2.4	56	0.78	7.8	NT	NT	NT	NT	NT	NT	NT
DP-13	10/31/05	4.1	<MDL	<MDL	7.6	NT	NT	NT	NT	NT	NT	NT
DP-16	8/9/02	11	77	0.29	NT	NT	NT	NT	NT	NT	NT	NT
DP-16	5/12/03	2.2	11	0.304	7.78	NT	NT	NT	NT	NT	NT	NT
DP-16	12/12/03	NT	<20	0.12	7.71	NT	7.6	NT	NT	NT	NT	NT
DP-16	1/15/04	3.2	<20	0.23	8.12	NT	NT	NT	NT	NT	NT	NT
DP-16	2/5/04	5.1	42	0.6	8.05	NT	NT	NT	NT	NT	NT	NT
DP-16	5/9/05	10	28	0.24	7.9	NT	NT	NT	NT	NT	NT	NT

Table 11-1
Storm Water Monitoring Analytical Data
Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
DP-16	10/31/05	19	34	<MDL	7.3	NT	NT	NT	NT	NT	NT	NT
DP-16	3/20/06	6	32	0.56	7.61	NT	NT	NT	NT	NT	NT	NT
DP-16	10/10/06	4.8	55	0.13	7.1	NT	NT	NT	NT	NT	NT	NT
DP-21	10/31/05	7.9	41	<MDL	8.6	NT	NT	NT	NT	NT	NT	NT
Echo-1	5/7/01	NT	32	NT	8.6	NT	10	NT	NT	NT	NT	NT
Echo-1	**12/19/01**	**NT**	**928**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	4/9/02	NT	38	NT	7.2	NT	9	NT	NT	NT	NT	NT
Echo-1	12/26/02	NT	30.3	NT	7.6	NT	26	NT	NT	NT	NT	NT
Echo-1	1/14/03	14	14.3	NT	9.4	NT	3.2	NT	NT	NT	NT	NT
Echo-1	**2/11/03**	**378**	**3410**	**NT**	**9.33**	**NT**	**7.4**	**NT**	**NT**	**Nt**	**NT**	NT
Echo-1	**2/26/03**	**4740**	**9540**	**NT**	**9.74**	**NT**	**4**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	2/28/03	NT	NT	NT	NT	NT	NT	<0.008	<0.008	<0.008	<0.008	NT
Echo-1	**3/7/03**	**NT**	**2570**	**NT**	**8.09**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**3/20/03**	**6375**	**9560**	**NT**	**7.68**	**NT**	**4**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**3/26/03**	**4300**	**7020**	**NT**	**7.46**	**NT**	**7**	**NT**	**NT**	**NT**	**NT**	NT

Table 11-1
Storm Water Monitoring Analytical Data
Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-1	**4/4/03**	**4900**	**7150**	**NT**	**6.93**	**NT**	**5**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**4/21/03**	**4900**	**3700**	**NT**	**5.91**	**NT**	**7**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**4/30/03**	**4625**	**7390**	**NT**	**6.52**	**NT**	**8**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**5/20/03**	**NT**	**6960**	**NT**	**6.3**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**5/27/03**	**NT**	**6880**	**NT**	**6.5**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**6/4/03**	**NT**	**5810**	**NT**	**5.6**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**6/9/03**	**NT**	**4980**	**NT**	**5.59**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**6/12/03**	**NT**	**4360**	**NT**	**5.49**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**6/20/03**	**3000**	**4180**	**NT**	**5.13**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**7/9/03**	**NT**	**2660**	**NT**	**5.48**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**7/25/03**	**3120**	**3680**	**NT**	**7.27**	**NT**	**84**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	1/15/04	NT	67	NT	9.13	NT	5.6	NT	NT	NT	NT	NT
Echo-1	2/4/04	39	90	NT	8.42	NT	17	NT	NT	NT	NT	NT
Echo-1	**2/24/04**	**256**	**415**	**NT**	**7.13**	**NT**	**12.6**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	4/5/04	NT	88	NT	7.25	NT	13.3	NT	NT	NT	NT	NT
Echo-1	1/4/05	NT	66	NT	7.8	NT	NT	NT	NT	NT	NT	NT

Table 11-1
Storm Water Monitoring Analytical Data
Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-1	2/14/05	NT	<20	0.17	NT	NT	NT	NT	NT	NT	NT	NT
Echo-1	3/9/05	NT	5.5	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-1	**12/12/05**	**8850**	**12710**	**NT**	**9.3**	**NT**	**<MDL**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**2/15/06**	**122**	**226**	**NT**	**7.5**	**NT**	**9.3**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**3/20/06**	**90**	**150**	**NT**	**7.33**	**NT**	**13**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	12/27/06	NT	54	NT	6.31	NT	NT	NT	NT	NT	NT	NT
Echo-1	**1/9/07**	**Lab Error**	**193**	**NT**	**7.64**	**NT**	**8**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**1/22/07**	**7350**	**8980**	**NT**	**NT**	**NT**	**4**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**2/6/07**	**8400**	**10100**	**NT**	**7.27**	**NT**	**<4.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**3/13/07**	**6000**	**8880**	**NT**	**6.43**	**NT**	**7**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	3/21/07	NT	NT	NT	NT	NT	NT	<0.01	<0.01	<0.01	<0.03	NT
Echo 1	4/2/07	81	113.0	NT	6.44	NT	9	NT	NT	NT	NT	NT
Echo 1	4/10/07	48	97.0	NT	7.81	NT	<4.0	NT	NT	NT	NT	NT
Echo-1	**5/24/07**	**4267**	**6850**	**NT**	**6.34**	**NT**	**9**	**NT**	**NT**	**NT**	**NT**	NT
Echo 1	6/5/07	6.4	54.0	NT	8.05	NT	<4.0	NT	NT	NT	NT	NT

Table 11-1
Storm Water Monitoring Analytical Data
Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-1	7/03/07	NT	230	NT	9.80	NT	NT	NT	NT	NT	NT	NT
Echo-1	**12/17/07**	**NT**	**125**	**NT**	**7.71**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**1/2/08**	**>25.3**	**165**	**NT**	**6.89**	**NT**	**9.3**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	1/9/08	NT	NT	NT	NT	NT	NT	<10	<10	<10	<30	NT
Echo-1	**1/25/08**	**>21.66**	**503**	**NT**	**8.61**	**NT**	**9.7**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	3/4/08	13.1	55	NT	7.73	NT	7.0	NT	NT	NT	NT	NT
Echo-1	01/20/09	NT	NT	NT	7.41	NT	NT	<0.005	<0.005	<0.005	<0.01	NT
Echo-1	**2/11/09**	**150**	**118**	**NT**	**7.96**	**NT**	**13.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	2/18/09	163	112	NT	7.5	NT	9.0	NT	NT	NT	NT	NT
Echo-1	**3/3/09**	**NT**	**115**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	11/20/09	NT	26	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-1	**12/15/09**	**310**	**656**	**NT**	**9.38**	**NT**	**<MDL**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	12/28/10	NT	32.6	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-1	**1/4/10**	**193**	**380**	**NT**	**7.30**	**NT**	**9.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**01/19/10**	**50.1**	**250**	**NT**	**10.07**	**NT**	**4.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	2/3/10	33.6	85	NT	10.30	NT	<MDL	NT	NT	NT	NT	NT

Table 11-1
Storm Water Monitoring Analytical Data
Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-1	**3/1/10**	**>673**	**3270**	**NT**	**7.17**	**NT**	**15.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	12/28/10	NT	32.6	NT	6.48	NT	NT	NT	NT	NT	NT	NT
Echo-1	1/18/11	NT	70.1	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-1	**2/15/11**	**1421**	**1958**	**NT**	**7.3**	**743**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1	**3/9/11**	**127**	**265**	**NT**	**7.85**	**<10**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-1*	**12/16/11 and 12/28/11**	**135**	**221**	**NT**	**6.96**	**72**	**NT**	**<.001**	**<.001**	**<.001**	**<.001**	NT
Echo-1	3/1/12	NT	48	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo 1	**1/2/13**	**268**	**490**	**NT**	**6.85**	**231**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo 1	**1/10/13**	**302**	**550**	**NT**	**6.85**	**257**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo 1	3/13/13	NT	43	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo 1	**11/25/13**	**108**	**184**	**NT**	**7.08**	**NT**	**6.9**	**NT**	**NT**	**NT**	**NT**	**NT**
Echo 1*	**11/27/13**	**NT**	**NT**	**<0.1**	**NT**	**ND**	**NT**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**8.46**
Echo 1	**1/13/14**	**164**	**395**	**NT**	**6.98**	**140**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**
Echo-2	**1/7/02**	**NT**	**322**	**NT**	**7**	**NT**	**6.8**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	3/20/02	NT	108	NT	7.3	NT	26	NT	NT	NT	NT	NT
Echo-2	12/10/02	7.6	30.3	NT	9.2	NT	2..4	NT	NT	NT	NT	NT

Table 11-1
Storm Water Monitoring Analytical Data
Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-2	12/31/02	NT	38.3	NT	10.3	NT	38	NT	NT	NT	NT	NT
Echo-2	**1/30/03**	**NT**	**352**	**NT**	**9.4**	**NT**	**3.2**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**2/6/03**	**88**	**172**	**NT**	**9.1**	**NT**	**6**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**2/10/03**	**54**	**119**	**NT**	**8.18**	**NT**	**6**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**2/20/03**	**318**	**425**	**NT**	**7.61**	**NT**	**13**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/7/03**	**NT**	**4200**	**NT**	**8.45**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/20/03**	**3900**	**6560**	**NT**	**7.14**	**NT**	**10**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/26/03**	**3225**	**4680**	**NT**	**7.14**	**NT**	**11**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**4/4/03**	**3075**	**5420**	**NT**	**6.89**	**NT**	**8**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**4/14/03**	**3390**	**4360**	**NT**	**6.58**	**NT**	**10**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**4/21/03**	**2820**	**7390**	**NT**	**6.86**	**NT**	**9**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**5/12/03**	**NT**	**555**	**4.38**	**7.59**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**5/29/03**	**NT**	**304**	**NT**	**7.8**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	6/4/03	NT	42	NT	7.62	NT	NT	NT	NT	NT	NT	NT
Echo-2	12/30/03	NT	109	NT	8.22	NT	NT	NT	NT	NT	NT	NT
Echo-2	**1/26/04**	**NT**	**118**	**NT**	**9.49**	**NT**	**10.3**	**NT**	**NT**	**NT**	**NT**	NT

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Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-2	2/10/04	NT	88	NT	9.14	NT	5	NT	NT	NT	NT	NT
Echo-2	**2/17/04**	**2490**	**4370**	**NT**	**10.46**	**NT**	**4**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**2/27/04**	**2775**	**4869**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/2/04**	**712**	**1177**	**NT**	**6.73**	**NT**	**10.6**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2*	3/24/04	NT	NT	NT	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	NT
Echo-2	12/8/04	NT	122	NT	8.0	NT	NT	NT	NT	NT	NT	NT
Echo-2	12/10/04	75	112	NT	7.6	NT	68.0	NT	NT	NT	NT	NT
Echo-2	1/28/05	NT	56.0	NT	9.1	NT	NT	NT	NT	NT	NT	NT
Echo-2	3/1/05	NT	31	NT	NT	NT	NT	Nt	NT	NT	NT	NT
Echo-2	11/26/05	NT	35.0	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-2	**1/24/06**	**NT**	**1050.0**	**NT**	**9.07**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	1/25/06	NT	NT	NT	8.8	NT	NT	NT	NT	NT	NT	NT
Echo-2	**1/30/06**	**450**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**1/30/06**	**NT**	**720.0**	**NT**	**7.8**	**NT**	**19.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	2/2/06	NT	NT	NT	7.4	NT	NT	<0.005	<0.005	<0.005	<0.01	NT
Echo-2	**2/13/06**	**485**	**665.0**	**NT**	**6.3**	**NT**	**8.7**	**NT**	**NT**	**NT**	**NT**	NT

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Storm Water Pollution Prevention Plan
Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-2	**2/28/06**	**600**	**969.0**	**NT**	**6.76**	**NT**	**11.7**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/29/06**	**80**	**129.0**	**NT**	**6.59**	**NT**	**8.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**4/3/06**	**NT**	**168.0**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	4/21/06	NT	46.0	NT	6.59	NT	NT	NT	NT	NT	NT	NT
Echo-2	1/2/07	27	47.0	NT	9.34	NT	<4.0	NT	NT	NT	NT	NT
Echo-2	1/18/07	14	<20.	NT	6.7	NT	9	NT	NT	NT	NT	NT
Echo-2	**1/24/07**	**1230**	**1998.0**	**NT**	**10.78**	**NT**	**<4.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/2//07**	**2400**	**3490.0**	**NT**	**7.05**	**NT**	**16.7**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/14/07**	**140**	**260.0**	**NT**	**6.88**	**NT**	**12**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	6/18/07	6.4	0.54	NT	8.05	NT	<MDL	NT	NT	NT	NT	NT
Echo-2	**1/2/08**	**>23.9**	**142**	**NT**	**6.92**	**NT**	**9.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**2/19/08**	**62.3**	**131**	**NT**	**7.37**	**NT**	**10.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	3/12/08	10.4	30	NT	7.53	NT	4.0	NT	NT	NT	NT	NT
Echo-2	**12/18/08**	**259**	**178**	**NT**	**8.12**	**NT**	**6.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	3/17/09	5.6	34	NT	7.27	NT	<MDL	NT	NT	NT	NT	NT
Echo-2	**12/10/09**	**>49.5**	**1450**	**NT**	**10.41**	**NT**	**5.0**	**NT**	**NT**	**NT**	**NT**	NT

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	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-2	**12/30/09**	**494**	**450**	**NT**	**9.02**	**NT**	**5.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**01/15/10**	**171**	**220**	**NT**	**7.73**	**NT**	**19.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**1/29/10**	**25.9**	**120**	**NT**	**7.82**	**NT**	**8.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	2/3/10	22.3	64	NT	6.27	NT	7.0	NT	NT	NT	NT	NT
Echo-2	**2/16/10**	**NT**	**369**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**2/17/10**	**261**	**378**	**NT**	**10.36**	**NT**	**<MDL**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/1/10**	**219**	**335**	**NT**	**7.49**	**NT**	**7.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**3/17/10**	**229**	**232**	**NT**	**7.19**	**NT**	**26.0**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	4/19/10	NT	38	NT	NT	NT	5.0	NT	NT	NT	NT	NT
Echo-2*	**1/10/11**	**390**	**518**	**NT**	**6.83**	**137**	**NT**	**ND**	**ND**	**ND**	**ND**	NT
Echo-2	**2/7/11**	**6900**	**6410**	**NT**	**7.25**	**1760**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	**2/25/11**	**294**	**405**	**NT**	**6.84**	**<10**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Echo-2	3/30/11	NT	486	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-2	4/6/11	NT	126	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-2	4/8/11	NT	97.8	NT	7.36	NT	NT	NT	NT	NT	NT	NT
Echo-2	4/11/11	NT	87.6	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 11-1
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Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Echo-2	12/20/12	NT	74	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-2	2/17/12	92	142	NT	6.77	46.1	NT	NT	NT	NT	NT	NT
Echo-2*	**1/7/13**	**255**	**316**	**NT**	**7.06**	**118**	**NT**	**<PQL**	**<PQL**	**<PQL**	**<PQL**	NT
Echo-2	2/14/13	NT	48	NT	NT	NT	NT	NT	NT	NT	NT	NT
Echo-2	**12/23/2013**	**422**	**654**	**<0.1**	**7.06**	**166**	**12**	**NT**	**NT**	**NT**	**NT**	**13.4**
Echo-2	**3/6/2014**	**2310**	**3920**	**NT**	**6.56**	**1730**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**
Echo-2	**5/1/2014**	**LE**	**2728**	**NT**	**7.4**	**770**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**
Echo-2	**6/2/2014**	**2116**	**2972**	**NT**	**6.96**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**
Echo-2	**6/3/2014**	**NT**	**NT**	**NT**	**NT**	**499**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**
Echo-2	**6/10/2014**	**1500**	**2344**	**NT**	**7.75**	**322**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**
Cargo Pond	1/14/03	7.5	37.6	NT	7.5	NT	2	NT	NT	NT	NT	NT
Cargo Pond	**2/10/03**	**171**	**275**	**NT**	**7.53**	**NT**	**4**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	2/20/03	6	22	NT	7.65	NT	26	NT	NT	NT	NT	NT
Cargo Pond	**2/26/03**	**3897**	**7890**	**NT**	**8.37**	**NT**	**4**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	2/28/03	NT	NT	NT	NT	NT	NT	<0.008	<0.008	<0.008	<0.008	NT
Discharge Pipe (Cargo)	**3/6/03**	**NT**	**317**	**NT**	**7.63**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT

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Austin Bergstrom International Airport

	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Cargo Pond	**3/6/03**	**NT**	**216**	**NT**	**7.49**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Cargo	**3/20/03**	**NT**	**370**	**NT**	**7.62**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	3/27/03	NT	41	NT	7.51	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	1/4/05	NT	<20	NT	8.2	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	**12/12/05**	**1900**	**3340**	**NT**	**8.6**	NT	**<MDL**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	**1/30/06**	**222**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	**1/30/06**	**NT**	**376**	**NT**	**8.6**	**NT**	**9**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	**2/2/06**	**NT**	**NT**	**NT**	**7.2**	**NT**	**NT**	**<0.005**	**<0.005**	**<0.005**	**<0.01**	NT
Cargo Pond	**2/13/06**	**NT**	**182**	**NT**	**6.8**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	2/28/06	62	104	NT	6.98	NT	<4	NT	NT	NT	NT	NT
Cargo Pond	3/21/06	NT	28	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	**1/18/07**	**1640**	**2192**	**NT**	**8.38**	**NT**	**5**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	**1/22/07**	**1671**	**2890**	**NT**	**8.29**	**NT**	**<4.0**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	**1/24/07**	**561**	**914**	**NT**	**7.27**	**NT**	**5**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	**2/26/07**	**1100**	**1676**	**NT**	**7.09**	**NT**	**<4.0**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	3/13/07	20	36	NT	6.87	NT	4.7	NT	NT	NT	NT	NT

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Austin Bergstrom International Airport

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Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												
Cargo Pond	3/14/07	NT	42	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	3/27/07	2	<20.	NT	6.67	NT	4	NT	NT	NT	NT	NT
Cargo Pond	1/22/08	13.3	32	NT	9.18	NT	<MDL	NT	NT	NT	NT	NT
Cargo Pond	12/15/09	NT	39	NT	9.38	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	12/30/09	NT	160	NT	NT	NT	<MDL	NT	NT	NT	NT	NT
Cargo Pond	01/04/10	2.2	<MDL	NT	7.30	NT	<MDL	NT	NT	NT	NT	NT
Cargo Pond	01/15/10	17.7	<MDL	NT	7.26	NT	<MDL	NT	NT	NT	NT	NT
Cargo Pond	12/28/10	NT	17.6	NT	7.28	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	1/10/11	NT	15.4	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	**2/7/11**	**2550**	**2964**	**NT**	**7.25**	**866**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	**2/11/11**	**718**	**1260**	**NT**	**7.51**	**467**	**NT**	**NT**	**NT**	**NT**	**NT**	NT
Cargo Pond	2/25/11	80	127	NT	6.99	<10	NT	NT	NT	NT	NT	NT
Cargo Pond	3/3/11	NT	84.9	NT	6.84	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	03/7/11	NT	55.2	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cargo Pond	**12/23/2013**	**181**	**293**	**NT**	**7.05**	**NT**	**8.3**	**NT**	**NT**	**NT**	**NT**	**18.1**
Cargo Pond*	**12/30/2013**	**144**	**271**	**<0.1**	**NT**	**139**	**16**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**6.84**
Cargo Pond	**2/12/2014**	**3281**	**5632**	**<0.1**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**	**10.2**
Cargo Pond	**03/4/2014**	**410**	**731**	**NT**	**6.25**	**278**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**
Cargo Pond	**03/11/2014**	**174**	**289**	**NT**	**NT**	**153**	**NT**	**NT**	**NT**	**NT**	**NT**	**NT**

1) De/anti-icing Chemical Analytes are those indicator parameters ABIA would be required to monitor if more than 100,000 gallons of ethylene glycol or more than 100 tons of urea were used each year. (ABIA does not exceed these thresholds and is not required by TPDES to perform these analyses).

2) Other analytes include a variety of parameters the DOA is not required to monitor for TPDES, but may be required per DOA's Industrial Waste Water permit, or was analyzed for DOA's information.

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	Sample Collection Date	Biochemical Oxygen Demand	Chemical Oxygen Demand	Ammonia (as nitrogen)	pH	Propylene Glycol	Total Suspended Solids	Benzene	Toluene	Ethylbenzene	Xylenes	Sulfate
Test Methods		SM 5210B, E405.1	SM 5220D, E410.4	M-4500 NH3F	E 150.1	EPA 8015	E 160.2	SW 8021B	SW 8021B	SW 8021B	SW 8021B	E 300.0
units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Monitoring Locations[3]												

3) Where applicable, outfall identifiers have been revised to reflect current monitoring point identification numbers for historical sampling data. Old identifiers are in parentheses.

*This was also analyzed for MTBE and PAHs. See Industrial Waste Water Permit file for results.

Concentrations *ITALICIZED* exceed TPDES Benchmark Concentrations.

Bold results indicate storm water captured in Water Quality Ponds was discharged to City of Austin sanitary sewer system in accordance with Industrial Waste Discharge Permit # 10388701.

EPA = U.S. Environmental Protection Agency

LE = laboratory error

<MDL = Less than Minimum Detection Limit

mg/l: milligrams per liter

ND = not detected

NE = not established

NS = not sampled

NT = not tested

<PQL = Less than Practical Quanitation Limit

TRPH - Total Recoverable Petroleum Hydrocarbons

umhos/cm = micro mhos per centimeter