APPENDIX H

WWTP AND MITCHELL LAKE EFFLUENT VIOLATIONS SUMMARY (2003-DECEMBER 31, 2012)

SAN ANTONIO WATER SYSTEM

EFFLUENT LIMIT VIOLATIONS

Leon Creek Waste Water Treatment Plant (TX0052639)-Major

DATE	OUTFALL	PARAMETER	VIOLATION	PERMIT LIMIT	NO. OF VIOLATIONS
10/03	001	DO, min.	4.1 mg/l	5.0 mg/l	1
10/03	001	NH3-N, max.	17.64 mg/l	7 mg/l	2
10/03	001	CBOD, max.	53.0 mg/l	17 mg/l	1
10/05	001	NH3-N, max.	7.42 mg/l	7 mg/l	1
12/05	001	NH3-N, avg.	2.03 mg/l	2 mg/l	31
12/05	001	NH3-N, max.	7.25 mg/l	7 mg/l	1
09/08	002	pH, min.	5.9 s.u.	6.0 mg/l	1
02/09	002	pH, min.	5.7 s.u.	6.0 mg/l	1
12/09	001	NH3-N, avg.	2.37 mg/l	2 mg/l	31
12/09	001	NH3-N, max.	9.39 mg/l	7 mg/l	1
06/11	001	NH3-N, max	8.18 mg/l	7 mg/l	1
06/11	002	NH3-N, max.	8.18 mg/l	7 mg/l	1
12/11	001	E.Coli, max	1160 CFU/100	394 CFU/100	1

Salado Creek Waste Water Treatment Plant (TX0052647)-Major

DATE	OUTFALL	PARAMETER	VIOLATION	PERMIT LIMIT	NO. OF VIOLATIONS
03/03	001	TRC, min.	0.95 mg/l	1.0 mg/l	1
03/03	004	TRC, min.	0.95 mg/l	1.0 mg/l	1
05/03	004	TRC, min.	0.60 mg/l	1.0 mg/l	1
07/06	001	NH3-N, avg.	3.24 mg/l	2 mg/l	31
07/06	001	NH3-N, max.	8.18 mg/l	7 mg/l	1
07/06	002	NH3-N, avg.	3.24 mg/l	2 mg/l	31
07/06	002	NH3-N, max.	8.18 mg/l	7 mg/l	1
07/06	002	TRC, max.	1.10 mg/l	.099 mg/l	31
07/06	004	NH3-N, avg.	3.24 mg/l	2 mg/l	31
07/06	004	NH3-N, max.	8.18 mg/l	7 mg/l	1

Medio Creek Waste Water Treatment Plant (TX0055689)

DATE	OUTFALL	PARAMETER	VIOLATION	PERMIT LIMIT	NO. OF VIOLATIONS
07/07	001	Flow, avg.	15,573 gpm	14,757 gpm	1
08/07	001	Flow, avg.	16,506 gpm	14,757 gpm	1
03/09	001	CBOD, max.	> 10 mg/l	25 mg/l	1
03/09	001	NH3-N, avg.	2.28 mg/l	2 mg/l	31
03/09	001	TSS, max.	119 mg/l	40 mg/l	1

Dos Rios Waste Water Treatment Plant (TX0077801)

DATE	OUTFALL	PARAMETER	VIOLATION	PERMIT LIMIT	NO. OF VIOLATIONS
12/06	004	DO, min.	4.9 mg/l	5.0 mg/l	1
12/06	005	pH, min.	5.9 s.u.	6.0 s.u.	1
01/07	002	pH, min.	5.9 s.u.	6.0 s.u.	1
01/07	005	pH, min.	5.9 s.u.	6.0 s.u.	1
08/07	001	Flow, avg.	202,431 gpm	173,611 gpm	31
12/07	004	TRC, max.	.79 mg/l	.099 mg/l	1
3/08	001	TRC, max.	1.4 mg/l	.099 mg/l	1
1/09	002	TRC, max.	.5 mg/l	.099 mg/l	1
1/09	006	TRC, max.	.8 mg/l	.099 mg/l	1
09/09	001	NH3-N, max.	11 mg/l	7 mg/l	1
09/09	002	TRC, max.	.099 mg/l	.16 mg/l	1
09/09	004	NH3--N, max.	11 mg/l	7 mg/l	1
09/09	005	NH3-N, max.	11 mg/l	7 mg/l	1
01/10	001	CBOD,max.	20 mg/l	9 mg/l	1
01/10	001	TSS, max.	93 mg//l	40mg/l	1
01/10	002	COB, max	25 mg/l	9 mg/l	1
01/10	002	TSS, max	93 mg/l	40 mg/l	1
01/10	004	CBOD, max	25 mg/l	9 mg/l	1
01/10	004	TSS, max	40 mg/l	93 mg/l	1
01/10	005	COB, max.	25 mg/l	9 mg/l	1
01/10	005	TSS, max.	93 mg/l	40 mg/l	1
01/11	001	CBOD, avg.	11988 lb/d	5213 lb/d	31
01/11	001	NH3-N, avg.	2.35 mg/l	2 mg/l	1
01/11	001	NH3-N, max.	7.62 mg/l	7 mg/l	1
01/11	002	NH3-N, max.	2.84 mg/l	2 mg/l	1

Dos Rios Waste Water Treatment Plant (TX0077801)

DATE	OUTFALL	PARAMETER	VIOLATION	PERMIT LIMIT	NO. OF VIOLATIONS
01/11	002	NH3-N, max.	7.62 mg/l	7 mg/l	1
01/11	004	NH3-N, avg.	2.35 mg/l	2 mg/l	31
01/11	004	NH3-N, max.	7.62 mg/L	7 mg/L	1
01/11	005	NH3-N, avg	3.06 mg/L	2 mg/L	31
01/11	005	NH3-N, max.	7.62 mg/L	7 mg/L	1
09/11	001	NH3-N, max.	7.41 mg/L	7 mg/L	1
09/11	002	NH3-N, max.	7.41 mg/L	7 mg/L	1
09/11	004	NH3-N, max.	7.41 mg/L	7 mg/L	1
09/11	005	NH3-N, max.	7.41 mg/L	7 mg/L	1
10/11	001	NH3-N, avg.	2.21 mg/L	2 mg/L	31
10/11	001	NH3-N, max.	7.35 mg/L	7 mg/L	1
10/11	002	NH3-N, max.	7.35 mg/L	7 mg/L	1
10/11	004	NH3-N, max.	7.35 mg/L	7 mg/L	1
10/11	005	NH3-N, max.	7.35 mg/L	7 mg/L	1
01/12	001	NH3-N, avg	2.31 mg/L	2 mg/L	31
01/12	001	NH-N, max.	13 mg/L	7 mg/L	1
01/12	005	NH-N, max.	13 mg/L	7 mg/L	1
03/12	001	E.Coli, max.	680CFU/100	394 CFU/100	1
05/12	001	TRC, max.	.12 mg/L	.1 mg/L	1
05/12	001	TRC, min.	.8 mg/L	1 mg/L	1
05/12	002	TRC, min.	.8 mg/L	1 mg/l	1
05/12	004	TRC, min.	.8 mg/L	1 mg/L	1
10/12	001	E.Coli, max.	770 CFU/100	394 CFU/100	1
10/12	002	E.Coli, max.	770 CFU/100	394 CFU/100	1
10/12	005	E.Coli., max.	770 CFU/100	394 CFU/100	1

Mitchell Lake (TX0065641)-Minor

DATE	OUTFALL	PARAMETER	VIOLATION	PERMIT LIMIT	NO. OF VIOLATIONS
01/05	001	ph, max.	9.6 s.u.	9.0 s.u.	1
02/05	001	ph, max.	9.6 s.u.	9.0 s.u.	1
03/05	001	ph, max.	9.5 s.u.	9.0 s.u.	1
01/07	001	ph, max.	9.1 s.u.	9.1 s.u.	1
01/07	001	tss, avg.	114 mg/l	90 mg/l	31
03/07	001	ph, max.	9.6 s.u.	9.0 s.u.	1
03/07	001	tss, avg.	97 mg/l	90 mg/l	31
04/07	001	DO, min.	3.8 mg/l	4.0 mg/l	1

Mitchell Lake (TX0065641)

DATE	OUTFALL	PARAMETER	VIOLATION	PERMIT LIMIT	NO. OF VIOLATIONS
04/07	001	ph, max.	9.8 s.u.	9.0 s.u.	1
04/07	001	tss, avg.	103 mg/l	90 mg/l	31
05/07	001	DO, min.	.2 mg/l	4 mg/l	1
05/07	001	ph, max.	9.7 s.u.	9.0 s.u.	1
05/07	001	tss, avg.	104.5 mg/l	90 mg/l	31
06/07	001	ph, max.	10.2 s.u.	9 s.u.	1
06/07	001	tss, avg.	109.6 mg/l	90 mg/l	31
07/07	001	DO, min.	2.2 mg/l	4 g/l	1
07/07	001	ph, max.	9.8 s.u.	9 s.u.	1
08/07	001	DO, min.	3.2 mg/l	4 mg/l	1
08/07	001	ph, max.	9.5 s.u.	9.0 mg/l	1
09/07	001	DO, min	1 mg/l	4 mg/l	1
09/07	001	ph, max.	9.9 s.u.	9.0 s.u.	1
10/07	001	DO, min.	.5 mg/l	4 mg/l	1
02/10	001	ph, max.	9.1 s.u.	9.0 mg/l	1
03/10	001	ph, max.	9.8 s.u.	9.0 s.u.	1
04/10	001	DO, min.	1.4 mg/l	4 mg/l	1
04/10	001	ph, max.	9.7 s.u.	9.0 s.u.	1
04/10	001	tss, avg.	92 mg/l	90 mg/l	31
04/10	001	DO.min.	1.91 mg/l	4 mg/l	1
05/10	001	ph, max.	9.2 s.u.	9.0 s.u.	1
09/10	001	ph, max.	10.8 s.u.	9.0 s.u.	1
10/10	001	ph, max.	10.84 s.u.	9.0 s.u.	1
10/10	001	tss, avg.	128.1 mg/l	90 mg/l	31
06/11	001	ph, max.	9.78 s.u.	9.0 s.u.	1
06/11	001	tss, avg.	127 mg/l	90 mg/l	31
07/11	001	BOD, avg.	33.25 mg/l	30 mg/l	31
07/11	001	DO, min.	2 mg/l	4 mg/l	1
07/11	001	ph, max.	9.46 s.u.	9.0 s.u.	1
07/11	001	tss, avg.	225 mg/l	90 mg/l	31