ATTACHMENT FIVE

DATA FOR NEW LISTING PROPOSALS

Alamo River Chloride in Water (mg/L)

WARM Water Quality Criteria/Objective is 230 mg/L

Ten (10) samples out of twelve (12) samples exceeded the objective

Date	Alamo River North of International Boundary	Alamo River at Outlet to the Salton Sea
10/25/2005	**528**	
10/26/2005		**737**
5/1/2006	**556**	**434**
5/7/2007	110	**403**
10/23/2007	114	**497**
4/21/2008	**317**	**402**
10/28/2008	**581**	**519**

Alamo River Malathion in Water (ug/L)

WARM Water Quality Criteria/Objective is 0.028 ug/L

Three (3) samples out of three (3) samples exceeded the objective

Date	Alamo River North of International Boundary	Alamo River at Outlet to the Salton Sea
Date	AR/IB	AR/Outlet
4/21/2008		**0.061**
10/28/2008	**0.033**	**0.057**

Alamo River Toxicity in Sediment

Any sample with the code S, SL, or SG is exceeding the WARM Water Quality Criteria/Objective

Five (5) samples out of six (6) samples exceeded the objective

Date	Alamo River North of International Boundary	Alamo River at Outlet to the Salton Sea
10/26/2005		**SL**
5/1/2006		**SL**
5/7/2007	NSG	NSG
10/23/2007	NSG	**SG**
4/21/2008	NSG	**SL**
10/28/2008		**SG**

One of three sediment samples exhibited toxicity in 2006 data, but the data can't be tracked.

Coachella Valley Stormwater Channel (CVSC) Ammonia in Water (mg/L)

WARM Water Quality Criteria/Objective depends on temperature and pH

Four (4) samples out of seven (7) samples exceeded the objective

Date	CVSC Near Outlet to the Salton Sea	CVSC at Avenue 52	pH	Temperature	Objective
10/26/2005		**15**	7.69	25.42	1.79167361
5/2/2006		**13.4**	7.47	23.33	2.53684219
5/2/2006	**4.58**		7.1	23.9	3.09513236
5/8/2007	**2.76**		7.72	19.34	2.56396603
10/22/2007	0.507		7.62	20.9	2.58235227
4/22/2008	0.727		7.04	19.5	4.21892158
10/29/2008	0.151		8.64	19.82	0.61104264

Coachella Valley Stormwater Channel (CVSC) Toxicity in Water

Any sample with the code S, SL, or SG is exceeding the WARM Water Quality Criteria/Objective

Two (2) samples out of seven (7) samples exceeded the objective

Date	CVSC Near Outlet to the Salton Sea	CVSC at Avenue 52
10/26/2005		**SL**
5/2/2006	NSG	**SL**
5/8/2007	NSG	
10/22/2007	NSG	
4/22/2008	NSG	
10/29/2008	NSG	

Colorado River Toxicity in Water

Any sample with the code S, SL, or SG is exceeding the WARM and COLD Water Quality Criteria/Objective

Five (5) samples out of forteen (14) samples exceeded the objective

Date	Colorado River - CA-NV to Lake Havasu	Colorado River - Laks Havsu to Impperial Dam
10/24/2005	NSG	NSG
10/24/2005	**SL**	
10/25/2005		**SL**
10/25/2005		NSG
5/3/2006		NSG
5/7/2007	NSG	
5/8/2007		NSG
10/22/2007	**SL**	
10/23/2007		NSG
4/21/2008	**SL**	
4/22/2008		**SL**
10/28/2008	NSG	
10/29/2008		NSG

New River Bifenthrin in Water (mg/L)

WARM Water Quality Criteria/Objective is 0.0006 ug/L

Two (2) samples out of two (2) samples exceeded the objective

Date	New River at International Boundary	New River at Outlet to the Salton Sea
10/26/2005		**0.013**
5/1/2006	**0.028**	

New River Chloride in Water (mg/L)

WARM Water Quality Criteria/Objective is 230 mg/L

Twelve (12) samples out of twelve (12) samples exceeded the objective

Date	New River at International Boundary	New River at Outlet to the Salton Sea
10/25/2005	**1170**	
10/26/2005		**1290**
5/1/2006	**1300**	**892**
5/7/2007	**1270**	**816**
10/22/2007		**971**
10/23/2007	**1160**	
4/21/2008	**1420**	**838**
10/28/2008	**1290**	**535**

New River Cypermethrin in Sediment (ng/g)

WARM Water Quality Criteria/Objective is 300 ng/g

Three (3) samples out of three (3) samples exceeded the objective

Date	New River at International Boundary	New River at Outlet to the Salton Sea	TOC	Normalized conc.
10/25/2005	58.41		0.027	**2163.33**
10/22/2007		4.09	0.0052	**786.54**
4/21/2008	13.3		0.0112	**1187.5**

New River Naphthalene in Sediment (ug/Kg)

WARM Water Quality Criteria/Objective is 561 ug/Kg

Two (2) samples out of twenty-three (23) samples exceeded the objective

Date	New River at International Boundary	New River at Outlet to the Salton Sea
7/11/1986	<200	
5/6/2002		<3.57
5/8/2002	30.9	
10/1/2002	16	
10/2/2002		<1.24
4/9/2003	16.1	
4/15/2003		2.39
11/4/2003	36.4	
11/4/2003		1.85
5/3/2004	13.9	
5/4/2004		<1.18
10/4/2004	39	
10/5/2004		1.48
5/9/2005	34.5	
5/10/2005		<0.735
10/25/2005	**670.2**	
10/26/2005		9.14
5/1/2006	**1610.8**	6.95
10/22/2007		7.07
10/23/2007	34.64	
4/21/2008	114.87	10.68

New River Ammonia in Water (mg/L)

WARM Water Quality Criteria/Objective depends on temperature and pH

Seven (7) samples out of eleven (11) samples exceeded the objective

Date	New River at International Boundary	New River at Outlet to the Salton Sea	pH	Temp.	Objective
10/25/2005	**12**		7.48	23.89	2.426362
5/1/2006	**8.17**		7.82	26.98	1.390024
5/1/2006		**3.12**	7.78	26.31	1.524686
5/7/2007	**5.11**		7.87	23.82	1.598254
5/7/2007		1.13	7.42	24.74	2.411812
10/22/2007		0.873	7.78	19.71	2.333352
10/23/2007	**6.2**		7.71	18.61	2.718108
4/21/2008	**3.5**		7.83	22.64	1.815802
4/21/2008		1.28	7.72	21.91	2.172462
10/28/2008	**5.35**		7.99	21.91	1.532982
10/28/2008		0.362	7.08	21.29	3.695498

Palo Verde Outfall Drain and Lagoon (PVOD) Chloride in Water (mg/L)

WARM Water Quality Criteria/Objective is 230 mg/L

Eight (8) samples out of twelve (12) samples exceeded the objective

Date	PVOD at LG1	PVOD at PVOD2
10/25/2005	**262**	**244**
5/2/2006	**289**	**294**
5/8/2007	217	229
10/23/2007	200	224
4/22/2008	**238**	**248**
10/29/2008	**236**	**244**

Salton Sea Chloride in Water (mg/L)

WARM Water Quality Criteria/Objective is 230 mg/L

Twenty (20) samples out of twenty (20) samples exceeded the objective

Date	Torrez M.2 - Salton Sea North	USGS2 - Salton Ses South	USGS7 - Salton Sea Middle	USGS9 - Salton Sea North
10/26/2005	**20700**	**19600**	**19800**	**20100**
5/3/2006	**20700**	**20150**	**20100**	**20200**
5/9/2007		**18300**	**20800**	**19100**
10/24/2007		**19200**	**19400**	**19300**
4/22/2008		**21800**	**18800**	**20900**
10/29/2008		**21200**	**19700**	**21000**

Salton Sea Dissolved Oxygen (mg/L)

WARM Water Quality Criteria/Objective is 5 mg/L or more

Six (6) samples out of twenty (20) samples violated the objective

Date	USGS Station No.33290811 6011501	USGS Station No.33263711 5512001	USGS Station No.33140011 5450001	USGS Station No.33121511 5410001	USGS Station No.33102311 5473701	Torrez M.2 - Salton Sea North	USGS2 - Salton Ses South	USGS7 - Salton Sea Middle	USGS9 - Salton Sea North
7/20/1998			**0.10**						
7/21/1998	15.00	16.00			**0.00**				
8/21/1998				**0.10**					
10/26/2005						17.20	14.05	14.10	17.09
5/3/2006						15.84	15.45	9.89	15.92
5/9/2007							19.79	17.81	6.28
10/24/2007							**4.92**	**4.74**	**4.82**
4/22/2008							11.40	12.40	11.20
10/29/2008							13.26	13.45	14.13

Salton Sea Ammonia in Water (mg/L)

WARM Water Quality Criteria/Objective depends on temperature and pH

Four (4) samples out of twenty (20) samples exceeded the objective

Date	Torrez M.2 - Salton Sea North	USGS2 - Salton Ses South	USGS7 - Salton Sea Middle	USGS9 - Salton Sea North	pH	Temp.	Objective
10/26/2005	0.445				8.06	24.7	1.155709
10/26/2005		**0.742**			8.48	23.24	0.642164
10/26/2005			0.687		8.29	23.41	0.87333
10/26/2005				0.524	8.16	24.43	1.008486
5/3/2006	<0.04				8.14	27.59	0.848786
5/3/2006		0.055			8.05	26.54	1.041865
5/3/2006			<0.04		8.04	26.59	1.054039
5/3/2006				<0.04	8.14	27.67	0.844419
5/9/2007		0.2			8.65	26.36	0.394169
5/9/2007			0.27		8.62	24.88	0.456
5/9/2007				0.712	8.35	23.97	0.762578
10/24/2007		**1.01**			8.31	22.01	0.924784
10/24/2007			**0.832**		8.42	22.44	0.748332
10/24/2007				0.75	8.35	22.04	0.863623
4/22/2008		0.578			8.11	23.81	1.134529
4/22/2008			0.552		8.14	23.63	1.095666
4/22/2008				0.5	8.07	23.46	1.233244
10/29/2008		**1.18**			8.04	25.23	1.150632
10/29/2008			1.18		7.94	25.3	1.321978
10/29/2008				1.12	7.86	25.16	1.48523

Salton Sea Toxicity in Water

Any sample with the code S, SL, or SG is exceeding the WARM Water Quality Criteria/Objective

Six (6) samples out of eleven (11) samples exceeded the objective

Date	Torrez M.2 - Salton Sea North	USGS2 - Salton Ses South	USGS7 - Salton Sea Middle	USGS9 - Salton Sea North
10/26/2005	NSG	NSG	NSG	NSG
5/3/2006	**SL**	**SL**	**SL**	**SL**
10/24/2007		**SG**	**SG**	NSG

Salton Sea Toxicity in Sediment

Any sample with the code S, SL, or SG is exceeding the WARM Water Quality Criteria/Objective

Nine (9) samples out of ten (10) samples exceeded the objective

Date	Torrez M.2 - Salton Sea North	USGS2 - Salton Ses South	USGS7 - Salton Sea Middle	USGS9 - Salton Sea North
10/26/2005				**SL**
5/3/2006	**SL**	**SL**	**SL**	**SL**
5/9/2007		**SL**		
10/24/2007		**SL**	**SL**	**SL**
4/22/2008		NSG		

Wiest Lake Dieldrin in Fish Tissue (ug/Kg)

COMM Water Quality Criteria/Objective is 0.32 ug/Kg

Three (3) samples out of three (3) samples exceeded the objective

Date	Wiest Lake	
11/6/2004	**0.6**	Black Crappie
11/6/2004	**1.37**	Channel Catfish
11/1/2007	**0.51**	Channel Catfish

Wiest Lake PCBs in Fish Tissue (ug/Kg)

COMM Water Quality Criteria/Objective is 2.6 ug/Kg

Three (3) samples out of four (4) samples exceeded the objective

Date	Wiest Lake	
12/6/1999	**117**	Large Mouth Bass
11/6/2004	1.7	Black Crappie
11/6/2004	**5.75**	Channel Catfish
11/1/2007	**4.2**	Channel Catfish