

ATTACHMENT SIX

DATA FOR DELISTING PROPOSALS

Alamo River Endosulfan in Fish Tissue (ug/Kg)

WARM Water Quality Criteria/Objective is 100 ug/Kg

Last exceedance of the objective occurred in 1988. Use of endosulfan is being phased out

Date	Alamo River North of International Boundary	Alamo River at Drop 10 near Holtville	Alamo River Near Brawley	Alamo River at Outlet to the Salton Sea
6/21/1978				<70
6/21/1978				<70
3/12/1979				11
3/12/1979				<70
5/8/1980				<70
5/8/1980				<70
5/23/1981				5
5/23/1981				23
4/22/1982				25
4/22/1982				<70
6/13/1983				29
6/13/1983				<70
5/23/1984				18
5/23/1984				16
9/17/1985				7.4
9/17/1985				21
11/15/1985	184			
11/15/1985	56			
9/2/1987	<70			
9/30/1987				120
11/18/1988				235
11/20/1988	209			
10/28/1989				19
8/3/1990				50
9/20/1992				<70
9/29/1993				14
9/30/1993			<70	
9/30/1993		38		
10/27/1994				32
10/27/1994				6.3
11/1/1996				45
11/20/1997				8.2
11/11/1998				4.7
11/7/2000	<70			<70
11/2/2004		<1.99		
11/7/2004				<1.97
11/7/2004				<2.7
11/7/2004				<2.7
11/9/2004			<1.99	
2/8/2011				<0.56
4/21/2011		<0.55		
4/22/2011				<0.55
5/10/2011	<0.001	<0.001		<0.001
11/16/2011		<0.54		
11/17/2011				0.651
3/28/2012		<0.55		<0.55

Colorado River Selenium in Fish Tissue (mg/Kg)

COMM Water Quality Criteria/Objective was revised from 2 to 7.4 mg/Kg

No exceedances of the new objective occurred

Date	Colorado River at Imperial Dam
9/2/1987	3.3
9/2/1987	2.5
9/2/1987	1.8
9/2/1987	1.7
10/30/1989	2.3
8/18/1991	1.2
9/21/1992	1.6
9/21/1992	2.5
12/7/1999	2.45
11/22/2001	2.14
10/25/2002	2.7
12/7/2004	1.84

Imperial Valley Drains Endosulfan in Fish Tissue (ug/Kg)

WARM Water Quality Criteria/Objective is 100 ug/Kg

Last exceedance of the objective occurred in 1996. Use of endosulfan is being phased out

Date	Rose	Holtville	Central	S. Central	Rice	Verde	Greeson	Fig	Pumice	Mayflower	Orange	Peach	Tokay	Barbara worth	Warren
10/8/1985													ND		
10/10/1985					240										
11/15/1985							ND								
11/15/1985							ND								
10/15/1986					770										
11/17/1988	283														
11/18/1988			17												
10/26/1989															13
10/27/1989						64									
10/28/1989		33													
10/29/1989								ND							
10/29/1989								ND							
8/1/1990				167											
8/1/1990								ND							
8/29/1990								ND							
8/30/1990		ND													
9/9/1990															ND
11/20/1990									2050						
11/20/1990									880						
8/16/1991										211					
8/17/1991	110														
8/17/1991											ND				
8/17/1991								ND							
9/17/1992												510			
9/17/1992													ND		
9/18/1992							ND								
9/18/1992				ND											
9/18/1992							ND								
10/28/1995												ND			
11/1/1996									ND						
11/3/1996												203			
12/5/1999		48.2													
12/5/1999			4.8												
12/5/1999				2.1											
11/7/2000							ND								
11/8/2000			ND												
11/8/2000				ND											
11/8/2000														ND	
11/8/2000														ND	
11/10/2000		ND													
11/2/2004			<2												
11/2/2004			<1.99												
11/2/2004			<2												
11/2/2004			<1.99												
11/2/2004			<1.99												
11/4/2004							<1.99								
11/4/2004							<1.99								
11/4/2004							<1.99								
11/4/2004							<2								
11/4/2004							<1.99								
2/7/2011												<0.542		<0.554	
2/11/2011			<0.544												
2/12/2011					<0.558										
4/19/2011												NR			
4/20/2011			<0.559		0.831									<0.536	

Detection limit varied 5 to 70 for the samples collected during 1985 to 2000.

Detection Limit for samples collected from 2004 to current varied from 0.5 to 2.

New River Copper in Water (mg/L)

Water Quality Criteria/Objective (WQO) is 29.28 ug/L(Hardness dependent)

WQO is 29.28 ug/L when hardness is >400 mg/L

Last exceedance of the objective occurred in 2002.

Date	New River at International Boundary (IB)	New River at Even Hewes	New River at Outlet to the Salton Sea (Outlet)	Hardness at IB (mg/L)	Hardness at Outlet (mg/L)
01/07/97	<10			1040	
02/04/97	<10			709	
03/18/97	<10			845	
04/15/97	<10			851	
05/06/97	<10			842	
06/03/97	<10			889	
07/08/97	<10			895	
08/05/97	<10			810	
09/16/97	<10			790	
10/21/97	<10			645	
11/04/97	<10			655	
12/08/97	<10			740	
01/27/98	<10			777	
02/18/98	<10			767	
03/30/98	<10			820	
04/28/98	<10			935	
05/29/98	<10			840	
06/22/98	<10			845	
07/24/98	<10			775	
08/26/98	<10			700	
09/29/98	<10			700	
10/27/98	<10			670	
11/17/98	<10			693	
12/08/98	<10			730	
01/27/99	<10			800	
02/23/99	<10			930	
03/24/99	<10			850	
04/28/99	<10			880	
05/19/99	<10			770	
06/22/99	<10			810	
07/21/99	<10			800	
08/31/99	<10			800	
09/21/99	<10			720	
02/23/00	<10			860	
03/22/00	<10			900	
04/19/00	<10			910	
05/10/00	<10			850	
06/21/00	<10			700	
07/18/00	<10			750	
08/29/00	<10			708	
09/26/00	<10			770	
10/24/00	<10			697	
11/28/00	<10			758	
12/20/00	<10			775	
01/21/01	13			777	
02/19/01	66			905	
03/27/01	30			907	
04/21/01	173			NA	
05/21/01	<10			892	
07/02/01	<10			167	
07/30/01	26			795	
08/22/01	86			771	
10/29/01	<10			551	
11/27/01	<10			841	
12/18/01	56			786	
01/28/02	64			698	
02/27/02	10			800	
03/25/02	<10			940	
04/29/02	<10			900	
5/6/2002			4.04		

5/8/2002	3.27			870	
05/28/02	<10			820	
06/25/02	<10			740	
07/29/02	10			790	
08/28/02	<10			690	
09/24/02	<10			630	
10/1/2002	1.86			606	
10/2/2002			4.46		770
10/28/02	66.8			635	
4/15/2003			15.7		784
06/24/03	<10			838	
07/29/03	18			870	
08/26/03	<10			702	
09/23/03	<10			599	
10/27/03	<10			824	
11/4/2003	1		1.5	820	930
11/17/03	<10			841	
12/15/03	<10			880	
5/3/2004	3.53			920	
5/4/2004			4.2		800
8/31/2004	14			840	
9/28/2004	6.7			860	
10/4/2004	8.57			775	
10/5/2004			8.48		755
5/9/2005	8.14			950	
5/10/2005			7.95		840
10/25/2005	8.14			820	
10/26/2005			10.8		1025
5/1/2006	20.1		0.01	1040	870
5/7/2007	12.9		10.9	1030	846
10/22/2007			7.79		1000
10/23/2007	5.82			900	
4/21/2008	6.34		5.9	1180	895
4/21/2008			5.58		855
10/28/2008	15.5		7.98	912	628
4/28/2009	13.7		9.98	1160	814
10/19/2009	8.3		6.72	984	808
5/4/2010	0.53		3.37	1135	881
10/5/2010	0.17			1230	
10/6/2010		0.25	2.46		834
5/10/2011			5.81	1240	915
10/11/2011	5.07		4.96	1070	912
11/17/2011			4.53		
12/1/2011	4.37				
4/3/2012	7.87		5.02		
10/16/2012			3.46		783

New River Zinc in Sediment (mg/L)

WARM Water Quality Criteria/Objective (WQO) is 459 mg/Kg

Last exceedance of the objective occurred in 2004.

Date	New River at International Boundary	New River at Rack Road	New River at Outlet to the Salton Sea
11/7/1973			49
10/24/2001		120	
4/14/2003	110		
5/6/02			77.25
5/8/02	105		
10/1/02	193		
10/2/02			14.6
4/9/03	184		
4/15/03			51.05
11/4/03	632		60
5/3/04	299		
5/4/04			24.6
10/4/04	721		
10/5/04			45.7
5/9/05	245		
5/10/05			56.4
10/25/05	351		
10/26/05			64.65
5/1/06	332		63.5
5/7/07	3.98		53.3
10/22/07			ND
10/23/07	ND		
4/21/08	70.5		69.35
10/28/08			77.2
4/28/09	175		54.8
10/19/09	138		43.6
5/4/10	70.4		62.2
10/5/10	428		
10/6/10			55.6

Salton Sea Selenium in Fish Tissue (mg/Kg)

COMM Water Quality Criteria/Objective was revised from 2 to 7.4 mg/Kg

No exceedances of the new objective occurred

Date	SS/West shore	SS/South	SS/North	SS/PSS171
6/20/1984	3.1			
8/6/1985		3.8		
8/6/1985		3.6		
8/6/1985		3.1		
8/7/1985		1.7		
8/7/1985				
5/19/1986	4.3			
5/19/1986	4.2			
5/19/1986	4			
5/19/1986	3.8			
5/19/1986	3.7			
5/19/1986	3.7			
5/19/1986	3.4			
10/7/1987		3.4		
10/7/1987		3.2		
10/7/1987		3		
10/7/1987		2.6		
11/1/1989		2.7		
11/1/1989		2.5		
5/15/1991		2.4		
5/30/1991			3	
5/30/1991			2.5	
5/30/1991			2.1	
6/18/1991			2.9	
10/27/1995		3.2		
10/27/1995		2.9		
10/30/1996			3.6	
10/30/1996			3.2	
11/18/1997			1.36	
11/20/1997		1.31		
11/10/1998			2.73	
11/11/1998		2.2		
12/6/1999		1.82		
11/9/2000		2.67		
11/9/2000		2.59		
11/9/2000		2.16		
10/30/2007				2.24
10/30/2007				2.7
10/30/2007				2.57
10/30/2007				2.82