

303(d) Fact Sheet-San Diego River /Fashion Valley Road-907.00 Padre Dam Municipal Water District Data

SUMMARY OF PROPOSED ACTION (recommendation for listing or no listing)

San Diego River/Fashion Valley Road

Data provided by the Padre Dam Municipal Water District was analyzed to look for bacterial impairments at several locations either in the San Diego River or in tributaries to this river. The Fashion Valley Road sample station was analyzed during the year 2000 for total and fecal coliform. Data shows that 12/14 samples taken during both wet and dry weather seasons were impaired due to high levels of fecal coliform. The entirety of the San Diego River and its tributaries have a REC 1 Listed beneficial use. The Fashion Valley Road reach of the San Diego River does not meet the Water Quality Standard for REC 1 activity in an inland water body due to exceedences in levels of fecal coliform.

Recommend placing the Fashion Valley Road section of the San Diego River on the 303(d) list for impaired water bodies.

Waterbody Name	San Diego River-Fashion Valley Rd	Pollutant	Fecal coliform
Hydrologic Unit	San Diego River HUC 907.00	Total Waterbody Sii	SD River Lower Middle- 6.0 miles
Size or reach affected	4 mile	Suspected Sources	Sewage and urban runoff
Further Location Descriptors	Affected Reach located at Fashion Valley Rd behind Shopping Mall	TMDL Priority	low

Notes:

Data for the assessment of the Fashion Valley Road section of the San Diego River was provided through both Baykeeper (619-758-7743) and the NPDES Permit No. CA0107492 for the Padre Municipal Water District.

This section of the San Diego River may have residual bacterial contamination from the Feb, 2000, 34 million gallon sewage spill at the Alvarado site, which is 5 miles upstream of Fashion Valley. This site should be evaluated for the next two years to examine potential decrease in bacterial impairment as natural attenuation of the sewage spill takes place.

References:

Lab Analysis performed by Environmental Engineering Lab and the Padre Dam Water Recycling Center. This lab is EPA certified and follows all QA/QC procedures.

Water monitoring performed bi-weekly from April 1st-Oct 1st, and monthly from Oct 31st-March 31st.

1. Watershed Characteristics

The San Diego HU 907.00 is a long, triangular shaped area of about 440 square miles drained by the San Diego River. San Vincente, Jennings, Murray, El Capitan, and Cuymaca reservoirs are major water supply storage facilities in the HU. This watershed contains all or parts of the cities of San Diego, Poway, La Mesa, and El Cajon and the unincorporated communities of Santee, Lakeside, Alpine and Julian.

2. Water Quality Objective Not Attained

The San Diego River and its tributaries are all listed for REC 1 activity for an inland water body. The Fashion Valley Road section of the river does not meet the water quality standard of 400 MPN/ml of fecal coliform for a grab sample.

3. Evidence of Impairment

Data from routine monitoring by the Padre Dam Municipal Wastewater Treatment and Recycle Center was used to examine the quality of the water at the Fashion Valley Road site. Data was found in the routine monitoring reports provided by the permittee. Monthly data was taken for the months of Oct-Dec, 2000, and bi-monthly data was taken for June-Ott, 2000. The samples were monitored for total and fecal coliform levels. The data shows 12/14 samples, or (80%) of the analyzed samples having levels of fecal coliform in excess of 400 MPN/ml. Since the San Diego River is listed for REC-1 activity, this reach of the river is considered to not support the listed beneficial use.

86%

4. Extent of Impairment

Samples on the Fashion Valley Road section of the San Diego River were taken at only one monitoring point. Downstream samples were taken at the San Diego River Estuary along Interstate 5. The I-5 samples showed some bacterial impairment during the year 2000, but there was insufficient data to list the I-5 Estuary. However, evidence of bacterial impairment downstream of the Fashion Valley Road site indicates that bacterial impairment may be present along the entire reach of the San Diego River from Fashion Valley to the San Diego Estuary. This section is approximately 4 miles in length.

5. Potential Sources

A major, 34 million-gallon sewage spill occurred in the San Diego River in Feb., 2000. This spill was located approximately 6 miles upstream of the Fashion Valley Road site. Given the magnitude of the spill, residual bacterial impairment may still exist downstream of the sewage spill. In addition, the Fashion Valley Road site is a part of the San Diego River that is in a heavily urbanized section of the City of San Diego. Urban runoff probably contributes heavily to the bacterial impairment.

6. TMDL Priority

Low

7. Information Sources

The San Diego office of Baykeeper provide narrative text on the status of the San Diego River and its tributaries. They also provided some summaries of the Padre Dam Municipal Wastewater Treatment Plant monitoring reports. The Padre Dam treatment plant NPDES monitoring data was examined to determine the water quality at the Fashion Valley Road site.

**Padre Dam Municipal Wastewater District
Facility Santee Water Reclamation Plant
(619)258-4600**

NPDES Permit Required Monitoring

Sample Type: Grab ✓

Sample Frequency: Biweekly/Monthly

Analyzed By: Env. Eng. LAB & D. White

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

Site No.	Location	Parameter	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	Apr-98	May-98	May-98	Jun-98
1	Carlton Hills Blvd. Bridge	Total	800	800	1300	3000	13000	1700	2300	300	2300	2300	700
1	Carlton Hills Blvd. Bridge	Fecal	2	2	2	2	2	2	2	200	2	2	200
2	Forrester Creek	Total	3000	3000	3000	7000	24000	5000	30000	5000	8000	5000	2300
2	Forrester Creek	Fecal	200	200	2	800	1100	1100	24000	200	1700	400	400
3	Sycamore Creek/SD River	Total	5000	500	5000	1300	13000	2200	3000	1300	2300	2300	2300
3	Sycamore Creek/SD River	Fecal	200	200	2	2	800	2	400	2	2	2	2
3a	Mast Blvd. Bridge	Total											
3a	Mast Blvd. Bridge	Fecal											
4	Old Mission Dam	Total	2300	2300	1700	8000	30000	2300	2200	7000	2300	2300	5000
4	Old Mission Dam	Fecal	2	2	2	2	1700	2	700	200	2	200	400
5	Mission Ponds	Total	NF	1700	400	800	3000	2600	3000	5000	2300	2300	3000
5	Mission Ponds	Fecal	NF	600	2	2	200	400	400	2	2	2	2
6	I-5 Estuary	Total	NF	2300	800	1700	13000	2100	3000	5000	1700	2300	3000
6	I-5 Estuary	Fecal	NF	2	2	2	800	200	2	200	2	2	2
6a	Fashion Valley Rd.	Total											
6a	Fashion Valley Rd.	Fecal											

TOTAL

Site No.	Location	Location	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	Apr-98	May-98	May-98	Jun-98
1	Carlton Hills Blvd. Bridge	Carlton Hills Blvd. Bridge	800	800	1300	3000	13000	1700	2300	300	2300	2300	700
2	Forrester Creek	Forrester Creek	3000	3000	3000	7000	24000	5000	30000	5000	8000	5000	2300

TOTAL/FECAL COLIFORM (MPN/100-ml)													
3 Sycamore Creek/SD River	Sycamore Creek/SD River	5000	500	5000	1300	13000	2200	3000	1300	2300	2300	2300	
3a Mast Blvd. Bridge	Mast Blvd. Bridge												
4 Old Mission Dam	Old Mission Dam	2300	2300	1700	8000	30000	2300	2200	7000	2300	2300	5000	
5 Mission Ponds	Mission Ponds	NF	1700	400	800	3000	2600	3000	5000	2300	2300	3000	
6 I-5 Estuary	I-5 Estuary	NF	2300	800	1700	13000	2100	3000	5000	1700	2300	3000	
6a Fashion Valley Rd.	Fashion Valley Rd.												
	MEAN	1387.5	1325.0	1525.0	2725.0	12000.0	1987.5	5437.5	2950.0	2362.5	2062.5	2037.5	
	SE	616.7	340.3	603.6	1095.6	3376.4	420.0	3942.6	907.7	844.3	389.7	494.7	

FECAL

Site No.	Location	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	Apr-98	May-98	May-98	Jun-98
1	Carlton Hills Blvd. Bridge	2	2	2	2	2	2	2	200	2	2	200
2	Forrester Creek	200	200	2	800	1100	1100	24000	200	1700	400	400
3	Sycamore Creek/SD River	200	200	2	2	800	2	400	2	2	2	2
3a	Mast Blvd. Bridge											
4	Old Mission Dam	2	2	2	2	1700	2	700	200	2	200	400
5	Mission Ponds	NF	800	2	2	200	400	400	2	2	2	2
6	I-5 Estuary	NF	2	2	2	800	200	2	200	2	2	2
6a	Fashion Valley Rd.											
MEAN		50.5	150.8	1.5	101.3	575.3	213.3	3188.0	100.5	213.8	76.0	125.8
SE		40.4	109.3	0.0	115.2	217.4	152.1	3422.0	36.1	245.1	58.8	69.2

Padre Dam Municipal Wastewater District
 Facility Santee Water Reclamation Plant
 (619)258-4600

IPDES Permit Required Monitoring

Sample Type: Grab

Sample Frequency: Biweekly/Monthly

Analyzed By: Env. Eng. LAB & D. White

TOTAL/FECAL
 COLIFORM
 (MPN/100-ml)

1954770-198

Site No.	Location	Jun-98	Jun-98	Jul-98	Jul-98	Aug-98	Aug-98	Sep-98	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
1	Carlton Hills Blvd. Bridge	2300	1330	400	2	1700	2300	400	400	800	400	8000	600	1400	1300
1	Carlton Hills Blvd. Bridge	200	2	2	2	2	2	2	2	2	2	3000	2	2	2
2	Forrester Creek	300	1700	3000	1300	1600	1100	30000	2300	3000	30000	30000	3000	17000	50000
2	Forrester Creek	2	2	2	2	1600	2	2200	400	1100	1300	8000	200	2	400
3	Sycamore Creek/SD River	1100	1100	2300	2300	1300	2300	3000	1700	800	3000	5000	110	1300	2700
3	Sycamore Creek/SD River	2	2	800	2	200	2	800	200	2	400	1300	200	2	2
3a	Mast Blvd. Bridge														
3a	Mast Blvd. Bridge														
4	Old Mission Dam	800	3000	500	1700	1300	1300	2300	1600	400	1700	50000	2200	2300	3000
4	Old Mission Dam	2	200	200	200	2	2	200	2	2	2	5000	2	2	2
5	Mission Ponds	1300	2200	2300	1300	3000	400	300	800	300	2100	30000	400	800	800
5	Mission Ponds	2	200	2	2	2	2	200	2	200	400	1400	2	2	2
6	1-5 Estuary	1300	3000	2300	2300	1700	5000	1300	2300						
6	1-5 Estuary	2	200	800	200	700	1700	400	800						
6a	Fashion Valley Rd.									300	5000	17000	2	1100	5000
6a	Fashion Valley Rd.									200	700	1700	2	2	2

TOTAL

Site No.	Location	Jun-98	Jun-98	Jul-98	Jul-98	Aug-98	Aug-98	Sep-98	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
1	Carlton Hills Blvd. Bridge	2300	1330	400	2	1700	2300	400	400	800	400	8000	600	1400	1300
2	Forrester Creek	300	1700	3000	1300	1600	1100	30000	2300	3000	30000	30000	3000	17000	50000

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

3 Sycamore Creek/SD River	1100	1100	2300	2300	1300	2300	3000	1700	800	3000	5000	110	1300	2700
3a Mast Blvd. Bridge														
4 Old Mission Dam	800	3000	500	1700	1300	1300	2300	1600	400	1700	50000	2200	2300	3000
5 Mission Ponds	1300	2200	2300	1300	3000	400	300	800	300	2100	30000	400	800	800
6 I-5 Estuary	1300	3000	2300	2300	1700	5000	1300	2300						
6a Fashion Valley Rd.									300	5000	17000	2	1100	5000
	887.5	1541.3	1350.0	1112.8	1325.0	1550.0	4662.5	1137.5	700.0	5275.0	17500.0	789.0	2987.5	7850.0
	235.0	290.3	382.1	301.8	223.2	570.4	4136.3	275.2	367.2	4014.5	5940.0	439.7	2261.6	6867.2

FECAL

Site No. Location	Jun-98	Jun-98	Jul-98	Jul-98	Aug-98	Aug-98	Sep-98	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
1 Carlton Hills Blvd. Bridge	200	2	2	2	2	2	2	2	2	2	3000	2	2	2
2 Forrester Creek	2	2	2	2	1600	2	2200	400	1100	1300	8000	200	2	400
3 Sycamore Creek/SD River	2	2	800	2	200	2	800	200	2	400	1300	200	2	2
3a Mast Blvd. Bridge														
4 Old Mission Dam	2	200	200	200	2	2	200	2	2	2	5000	2	2	2
5 Mission Ponds	2	200	2	2	2	2	200	2	200	400	4400	2	2	2
6 I-5 Estuary	2	200	800	200	700	1700	400	800						
6a Fashion Valley Rd.									200	700	1700	2	2	2
	26.3	75.8	225.8	51.0	313.3	213.8	475.3	175.8	188.3	350.5	2550.0	51.0	1.5	51.3
	28.6	38.3	139.3	36.1	226.0	245.1	287.7	113.0	151.0	172.5	937.8	36.1	0.0	57.4

**Padre Dam Municipal Wastewater District
 Facility Santee Water Reclamation Plant
 (619)258-4600**

NPDES Permit Required Monitoring
Sample Type: Grab
Sample Frequency: Biweekly/Monthly
Analyzed By: Env. Eng. LAB & D. White

TOTAL/FECAL COLIFORM (MPN/100-ml)														Apr-00		Apr-00	
Site No.	Location																
1	Carlton Hills Blvd. Bridge													210		1100	
1	Carlton Hills Blvd. Bridge													20		40	
2	Forrester Creek													1700		8000	
2	Forrester Creek													40		800	
3	Sycamore Creek/SD River																
3	Sycamore Creek/SD River																
3a	Mast Blvd. Bridge													500		2200	
3a	Mast Blvd. Bridge													20		220	
4	Old Mission Dam													700		300	
4	Old Mission Dam													20		200	
5	Mission Ponds													500		300	
5	Mission Ponds													40		40	
6	I-5 Estuary																
6	I-5 Estuary																
6a	Fashion Valley Rd.													300		1300	
6a	Fashion Valley Rd.													20		130	

TOTAL

Site No.	Location	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	Apr-00
1	Carlton Hills Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210	1100
2	Forrester Creek	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1700	8000

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

3 Sycamore Creek/SD River

3a Mast Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	2200
4 Old Mission Dam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	300
5 Mission Ponds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	300
6 I-5 Estuary															
6a Fashion Valley Rd.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	1300
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	488.8	1650.0
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	191.4	1035.4

FECAL

Site No. Location	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	Apr-00
1 Carlton Hills Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	40
2 Forrester Creek	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	800
3 Sycamore Creek/SD River														
3a Mast Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	220
4 Old Mission Dam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	200
5 Mission Ponds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	40
6 I-5 Estuary														
6a Fashion Valley Rd.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	130
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.0	178.8
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	101.0

**Padre Dam Municipal Wastewater District
Facility Santee Water Reclamation Plant
(619)258-4600**

NPDES Permit Required Monitoring

Sample Type: Grab

Sample Frequency: Biweekly/Monthly

Analyzed By: Env. Eng. LAB & D. White

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

Site No.	Location	May-00	May-00	May-00	Jun-00	Jun-00	Jul-00	Jul-00	Aug-00	Aug-00	Sep-00	Sep-00
1	Carlton Hills Blvd. Bridge	900	3000	2200	700	300	300	1300	800	500	230	1300
1	Carlton Hills Blvd. Bridge	20	40	20	20	20	2	2	20	20	20	20
2	Forrester Creek	1700	1300	2200	2200	800	5000	1700	1700	9000	5000	1700
2	Forrester Creek	70	40	✓500	230	300	130	130	110	80	✓3000	✓500
3	Sycamore Creek/SD River											
3	Sycamore Creek/SD River											
3a	Mast Blvd. Bridge	1100	3000	9000	1100	9000	2400	2200	1400	9000	9000	5000
3a	Mast Blvd. Bridge	230	40	20	300	5000	40	40	70	130	800	500
4	Old Mission Dam	1300	1600	9000	300	2400	3000	1400	600	230	800	1400
4	Old Mission Dam	20	20	20	20	20	20	20	40	20	20	40
5	Mission Ponds	700	500	500	1700	800	2200	2400	1100	1100	300	500
5	Mission Ponds	20	40	20	20	70	20	40	110	40	130	40
6	I-5 Estuary											
6	I-5 Estuary											
6a	Fashion Valley Rd.	2200	1400	1700	16000	9000	2400	500	2400	1400	1700	1700
6a	Fashion Valley Rd.	130	700	500	5000	1400	800	170	800	500	1100	1300

TOTAL

Site No.	Location	May-00	May-00	May-00	Jun-00	Jun-00	Jul-00	Jul-00	Aug-00	Aug-00	Sep-00	Sep-00
1	Carlton Hills Blvd. Bridge	900	3000	2200	700	300	300	1300	800	500	230	1300
2	Forrester Creek	1700	1300	2200	2200	800	5000	1700	1700	9000	5000	1700

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

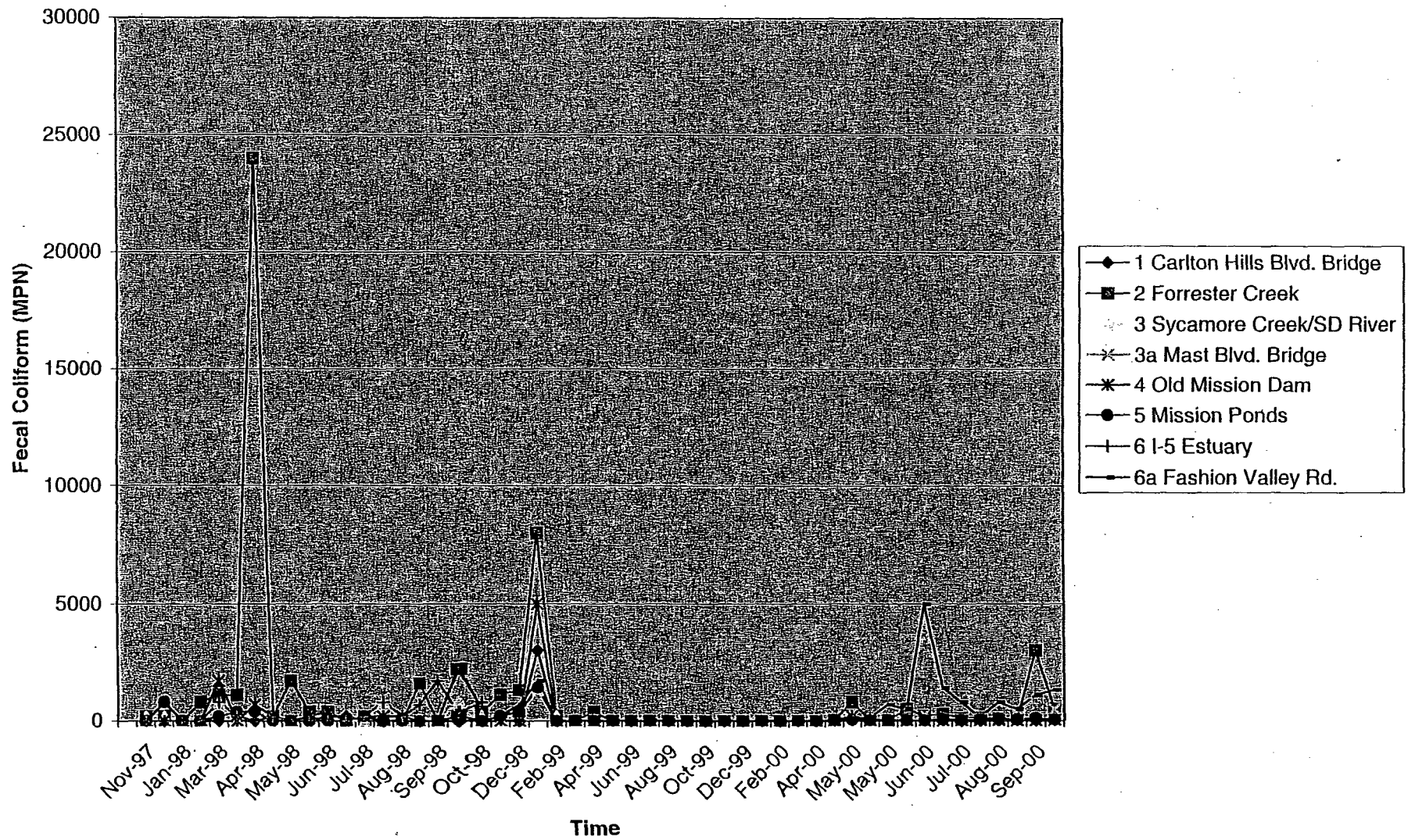
3 Sycamore Creek/SD River

3a Mast Blvd. Bridge	1100	3000	9000	1100	9000	2400	2200	1400	9000	9000	5000
4 Old Mission Dam	1300	1600	9000	300	2400	3000	1400	600	230	800	1400
5 Mission Ponds	700	500	500	1700	800	2200	2400	1100	1100	300	500
6 I-5 Estuary											
6a Fashion Valley Rd.	2200	1400	1700	16000	9000	2400	500	2400	1400	1700	1700
	987.5	1350.0	3075.0	2750.0	2787.5	1912.5	1187.5	1000.0	2653.8	2128.8	1450.0
	195.5	354.3	1359.8	2149.7	1468.4	534.7	242.3	232.0	1502.9	1238.3	553.5

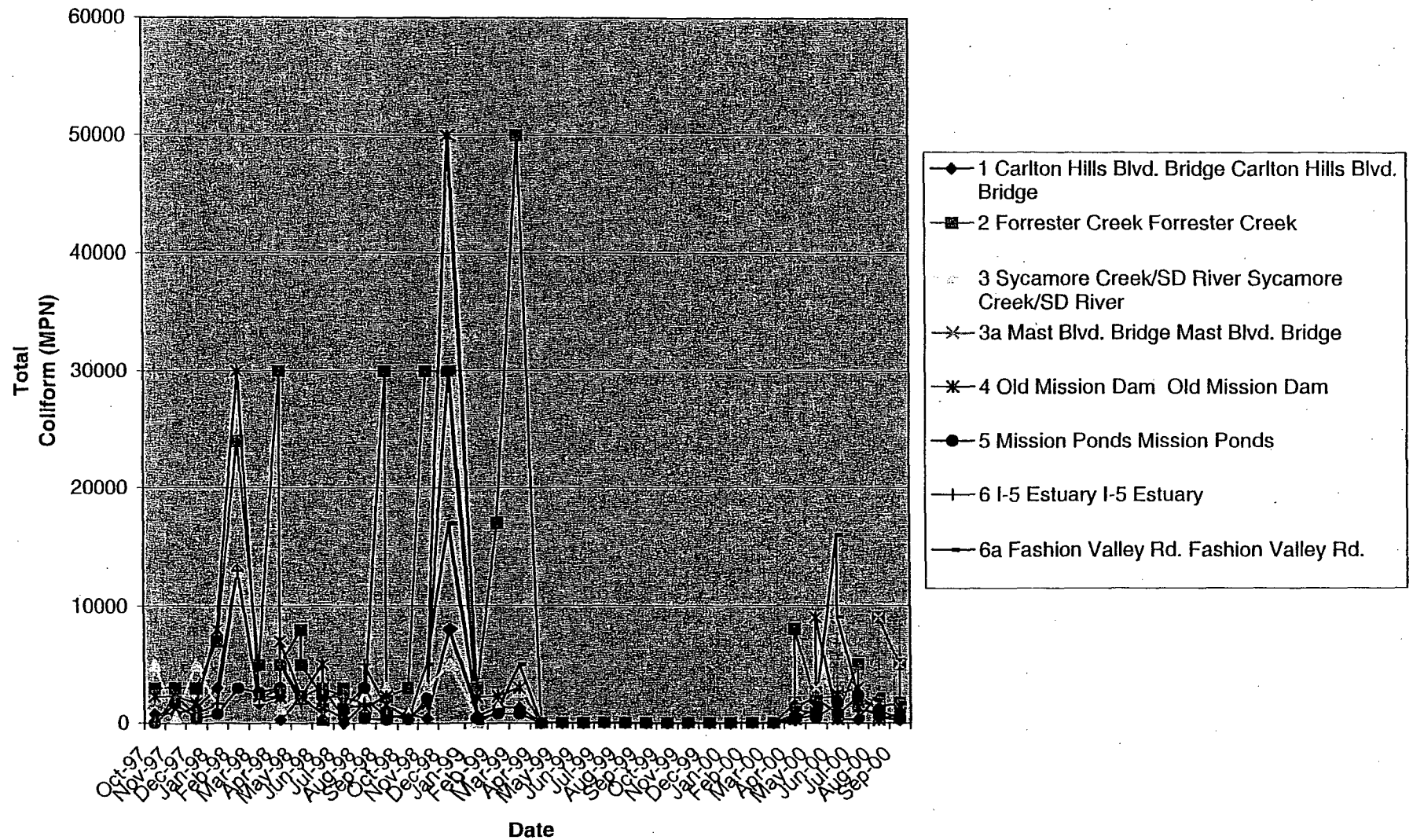
FECAL

Site No.	Location	May-00	May-00	May-00	Jun-00	Jun-00	Jul-00	Jul-00	Aug-00	Aug-00	Sep-00	Sep-00
1	Carlton Hills Blvd. Bridge	20	40	20	20	20	2	2	20	20	20	20
2	Forrester Creek	70	40	✓500	230	300	130	130	110	80	✓3000	500
3	Sycamore Creek/SD River											
3a	Mast Blvd. Bridge	230	40	20	300	✓5000	40	40	70	130	✓800	✓500
4	Old Mission Dam	20	20	20	20	20	20	20	40	20	20	40
5	Mission Ponds	20	40	20	20	70	20	40	110	40	130	40
6	I-5 Estuary											
6a	Fashion Valley Rd.	130	✓700	✓500	✓5000	✓1400	✓800	170	✓800	✓500	✓1100	✓1300
		61.3	110.0	135.0	698.8	851.3	126.5	50.3	143.8	98.8	633.8	300.0
		30.0	95.9	87.6	706.0	695.1	110.5	23.7	106.1	65.5	405.7	175.6

Fecal Coliform per Site vs. Time



Total Coliform MPN per Site vs. Time



**303(d) Fact Sheet -- San Diego River/Forrester Creek
907.310 - Padre Dam Municipal Water District Data**

SUMMARY OF PROPOSED ACTION:

San Diego River/Forester Creek data provided by the Padre Dam Municipal Water District was analyzed to look for bacterial impairments at several locations either in the San Diego River or in tributaries to this river. The Forrester Creek sample station was analyzed during the years 1998 and 2000 for total and fecal coliform. Data shows that 10/19 samples taken during the 1998 wet and dry weather seasons were impaired due to high levels of fecal coliform. During the year 2000 monitoring, 4/11 samples analyzed showed elevated levels of fecal coliform. The entirety of the San Diego River and its tributaries have a REC 1 listed beneficial use. The Forrester Creek tributary of the San Diego River does not meet the Water Quality Standard for REC 1 activity in an inland water body due to exceedances in levels of fecal coliform.

Staff recommends placing the Forrester Creek tributary of the San Diego River on the 303(d) list for impaired water bodies.

Waterbody Name: San Diego River-Forrester Creek
Hydrologic Unit: San Diego River HUC 907.310
Size or reach affected: 1 mile
Further Location Descriptors: located in Santee
Pollutant: fecal coliform
Total Waterbody Size: SD River Upper Middle - 10.0 miles
Suspected Sources: urban runoff
TMDL Priority: low

Notes:

Data for the assessment of the Forrester Creek tributary of the San Diego River was provided through both Baykeeper (619-758-7743) and the NPDES Permit No. CA0107492 for the Padre Municipal Water District.

Visual observations of this creek indicate foam, algal blooms and foul smells.

References:

Lab Analysis performed by Environmental Engineering Lab and the Padre Dam Water Recycling Center. This lab is EPA certified and follows all QA/QC procedures. Water monitoring performed bi-weekly from April 1st-Oct. 1st, and monthly from Oct. 31st-March 31st.

1. Watershed Characteristics

The San Diego HU 907.00 is a long, triangular shaped area of about 440 square miles drained by the San Diego River. San Vicente, Jennings, Murray, El Capitan, and Cuyamaca reservoirs are major water supply storage facilities in the HU. This watershed contains all or parts of the cities of San Diego, Poway, La Mesa, and El Cajon and the unincorporated communities of Santee, Lakeside, Alpine and Julian.

2. Water Quality Objective Not Attained

The San Diego River and its tributaries are all listed for REC 1 activity for an inland water body. The Forrester Creek tributary of the river does not meet the water quality standard of 400 MPN/ml of fecal coliform for a grab sample.

3. Evidence of Impairment

Data from routine monitoring by the Padre Dam Municipal Wastewater Treatment and Recycle Center was used to examine the quality of the water at the Fashion Valley Road site. Data was found in the routine monitoring reports provided by the permittee. Monthly data was taken for the months of Oct 1st-March and bi-monthly data was taken for April-Oct 31st. The samples were monitored for total and fecal coliform levels. The data shows 10/19 samples, or 53%, of the analyzed samples in 1998 having levels of fecal coliform in excess of 400 MPN/ml. In addition, 4/11 samples in 2000, or 35 %, had fecal coliform levels greater than 400 MPN/ml. Since the San Diego River is listed for REC.1 activity, this reach of the river is considered to not support the listed beneficial use.

4. Extent of Impairment

Samples in the Forrester Creek tributary of the San Diego River were taken at only one monitoring point. Fish tissue analysis as reported by San Diego Baykeeper indicated that a 1-mile reach of the creek was considered threatened. Narrative data provided by Baykeeper was used to determine the extent of impairment and was set at 1 mile of the creek.

5. Potential Sources

Narrative data provided by Baykeeper indicates that Forrester Creek is an urban creek that receives a variety of contaminants in both wet and dry weather. Urban runoff and urban impact are the two main sources of contamination.

6. TMDL Priority

Low

7. Information Sources

San Diego Baykeeper provided narrative text on the status of the San Diego River and its tributaries. They also provided some summaries of the Padre Dam Municipal Wastewater Treatment Plant monitoring reports. The Padre Dam treatment plant NPDES monitoring data was examined to determine water quality at the Fashion Valley Road site.

Dr. Suzanne M. Michel, Ph.D., Water Resources Geography, San Diego State University provided written text on the contamination problems with the San Diego River and its tributaries.

303(d) Fact Sheet-San Diego River/Forrester Creek-907.310- Padre Dam Municipal Water District Data

SUMMARY OF PROPOSED ACTION (recommendation for listing or no listing)

San Diego River/Forester Creek

Data provided by the Padre Dam Municipal Water District was analyzed to look for bacterial impairments at several locations either in the San Diego River or in tributaries to this river. The Forrester Creek sample station was analyzed during the years 1998 and 2000 for total and fecal coliform. Data shows that **10/19** samples taken during the 1998 wet and dry weather seasons were impaired due to high levels of fecal coliform. During the year 2000 monitoring, **4/11** samples analyzed showed elevated levels of fecal coliform. The entirety of the San Diego River and its tributaries have a REC 1 listed beneficial use. The Forrester Creek tributary of the San Diego River does not meet the Water Quality Standard for REC 1 activity in an inland water body due to exceedences in levels of fecal coliform.

Recommend placing the Forrester Creek tributary of the San Diego River on the 303(d) list for impaired water bodies.

Waterbody Name	San Diego River- Forrester Creek	Pollutant	Fecal coliform
Hydrologic Unit	San Diego River HUC 907.310	Total Waterbody Size	SD River Upper Middle - 10.0 miles
Size or reach affected	1 mile	Suspected Sources	urban runoff
Further Location Descriptors	Located in Santee	TMDL Priority	low
Notes: Data for the assessment of the Forrester Creek tributary of the San Diego River was provided through both Baykeeper (619-758-7743) and the NPDES Permit No. CA0107492 for the Padre Municipal Water District. Visual observations of this creek indicate foam, algal blooms and foul smells. References: Lab Analysis performed by Environmental Engineering Lab and the Padre Dam Water Recycling Center. This lab is EPA certified and follows all QA/QC procedures. Water monitoring performed bi-weekly from April 1st-Oct 1st, and monthly from Oct 31st-March 31st.			

1. Watershed Characteristics

The San Diego HU 907.00 is a long, triangular shaped area of about 440 square miles drained by the San Diego River. San Vincente, Jennings, Murray, El Capitan, and Cuymaca reservoirs are major water supply storage facilities in the HU. This watershed contains all or parts of the cities of San Diego, Poway, La Mesa, and El Cajon and the unincorporated communities of Santee, Lakeside, Alpine and Julian.

2. Water Quality Objective Not Attained

The San Diego River and its tributaries are all listed for REC 1 activity for an inland water body. The Forrester Creek tributary of the river does not meet the water quality standard of 400 MPN/ml of fecal coliform for a grab sample.

3. Evidence of Impairment

Data from routine monitoring by the Padre Dam Municipal Wastewater Treatment and Recycle Center was used to examine the quality of the water at the Fashion Valley Road site. Data was found in the routine monitoring reports provided by the permittee. Monthly data was taken for the months of Oct 1st-March and bi-monthly data was taken for April-Oct 31st. The samples were monitored for total and fecal coliform levels. The data shows 10/19 samples, or 53%, of the analyzed samples in 1998 having levels of fecal coliform in excess of 400 MPN/ml. In addition, 4/11 samples in 2000, or 35 %, had fecal coliform levels greater than 400 MPN/ml. Since the San Diego River is listed for REC-1 activity, this reach of the river is considered to not support the listed beneficial use.

4. Extent of Impairment

Samples in the Fort-ester Creek tributary of the San Diego River were taken at only one monitoring point. Fish tissue analysis as reported by San Diego Baykeeper indicated that a 1-mile reach of the creek was considered threatened. Narrative data provided by Baykeeper was used to determine the extent of impairment and was set at 1 mile of the creek.

5. Potential Sources

Narrative data provided by Baykeeper indicates that Forrester Creek is an urban creek that receives a variety of contaminants in both wet and dry weather. Urban runoff and urban impact are the two main sources of contamination.

6. TMDL Priority

Low

7. Information Sources

The San Diego office of Baykeeper provide narrative text on the status of the San Diego River and its tributaries. They also provided some summaries of the Padre Dam Municipal Wastewater Treatment Plant monitoring reports. The Padre Dam treatment plant NPDES monitoring data was examined to determine the water quality at the Fashion Valley Road site.

Dr. Suzanne M. Michel, Ph.D., Water Resources Geography, San Diego State University provided written text on the contamination problems with the San Diego River and its tributaries.

Padre Dam Municipal Wastewater District
Facility Santee Water Reclamation Plant
619)258-4600

NPDES Permit Required Monitoring
Sample Type: Grab
Sample Frequency: Biweekly/Monthly
Analyzed By: Env. Eng. LAB & D. White

TOTAL/FECAL
COLIFORM
(MPN/100-ml)

~~DATE~~ Dates?

Site No.	Location	Parameter	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	Apr-98	May-98	May-98	Jun-98
1	Carlton Hills Blvd. Bridge	Total	800	800	1300	3000	13000	1700	2300	300	2300	2300	700
1	Carlton Hills Blvd. Bridge	Fecal	2	2	2	2	2	2	2	200	2	2	200
2	Forrester Creek	Total	3000	3000	3000	7000	24000	5000	30000	5000	8000	5000	2300
2	Forrester Creek	Fecal	200	200	2	800	1100	1100	24000	200	1700	400	400
3	Sycamore Creek/SD River	Total	5000	500	5000	1300	13000	2200	3000	1300	2300	2300	2300
3	Sycamore Creek/SD River	Fecal	200	200	2	2	800	2	400	2	2	2	2
3a	Mast Blvd. Bridge	Total											
3a	Mast Blvd. Bridge	Fecal											
4	Old Mission Dam	Total	2300	2300	1700	8000	30000	2300	2200	7000	2300	2300	5000
4	Old Mission Dam	Fecal	2	2	2	2	1700	2	700	200	2	200	400
5	Mission Ponds	Total	NF	1700	400	800	3000	2600	3000	5000	2300	2300	3000
5	Mission Ponds	Fecal	NF	1600	2	2	200	400	400	2	2	2	2
6	I-5 Estuary	Total	NF	2300	800	1700	13000	2100	3000	5000	1700	2300	3000
6	I-5 Estuary	Fecal	NF	2	2	2	800	200	2	200	2	2	2
6a	Fashion Valley Rd.	Total											
6a	Fashion Valley Rd.	Fecal											

TOTAL

Site No.	Location	Location	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	Apr-98	May-98	May-98	Jun-98
1	Carlton Hills Blvd. Bridge	Carlton Hills Blvd. Bridge	800	800	1300	3000	13000	1700	2300	300	2300	2300	700
2	Forrester Creek	Forrester Creek	3000	3000	3000	7000	24000	5000	30000	5000	8000	5000	2300

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

3 Sycamore Creek/SD River	Sycamore Creek/SD River	5000	500	5000	1300	13000	2200	3000	1300	2300	2300	2300
3a Mast Blvd. Bridge	Mast Blvd. Bridge											
4 Old Mission Dam	Old Mission Dam	2300	2300	1700	8000	30000	2300	2200	7000	2300	2300	5000
5 Mission Ponds	Mission Ponds	NF	1700	400	800	3000	2600	3000	5000	2300	2300	3000
6 I-5 Estuary	I-5 Estuary	NF	2300	800	1700	13000	2100	3000	5000	1700	2300	3000
6a Fashion Valley Rd.	Fashion Valley Rd.											
	MEAN	1387.5	1325.0	1525.0	2725.0	12000.0	1987.5	5437.5	2950.0	2362.5	2062.5	2037.5
	SE	616.7	340.3	603.6	1095.6	3376.4	420.0	3942.6	907.7	844.3	389.7	494.7

FECAL

Site No.	Location	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	Apr-98	May-98	May-98	Jun-98
1	Carlton Hills Blvd. Bridge	2	2	2	2	2	2	2	200	2	2	200
2	Forrester Creek	200	200	2	800	1100	1100	24000	200	1700	400	400
3	Sycamore Creek/SD River	200	200	2	2	800	2	400	2	2	2	2
3a	Mast Blvd. Bridge											
4	Old Mission Dam	2	2	2	2	1700	2	700	200	2	200	400
5	Mission Ponds	NF	800	2	2	200	400	400	2	2	2	2
6	I-5 Estuary	NF	2	2	2	800	200	2	200	2	2	2
6a	Fashion Valley Rd.											
	MEAN	50.5	150.8	1.5	101.3	575.3	213.3	3188.0	100.5	213.8	76.0	125.8
	SE	40.4	109.3	0.0	115.2	217.4	152.1	3422.0	36.1	245.1	58.8	69.2

Padre Dam Municipal Wastewater District
 Facility Santee Water Reclamation Plant
 (619)258-4600

NPDES Permit Required Monitoring
 Sample Type: Grab
 Sample Frequency: Biweekly/Monthly
 Analyzed By: Env. Eng. LAB & D. White

TOTAL/FECAL
 COLIFORM
 (MPN/100-ml)

195 samples / 98

Site No. Location	Jun-98	Jun-98	Jul-98	Jul-98	Aug-98	Aug-98	Sep-98	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
1 Carlton Hills Blvd. Bridge	2300	1330	400	2	1700	2300	400	400	800	400	8000	600	1400	1300
1 Carlton Hills Blvd. Bridge	200	2	2	2	2	2	2	2	2	2	3000	2	2	2
2 Forrester Creek	300	1700	3000	1300	1600	1100	30000	2300	3000	30000	30000	3000	17000	50000
2 Forrester Creek	2	2	2	2	1600	2	2200	400	1100	1300	8000	200	2	400
3 Sycamore Creek/SD River	1100	1100	2300	2300	1300	2300	3000	1700	800	3000	5000	110	1300	2700
3 Sycamore Creek/SD River	2	2	800	2	200	2	800	200	2	400	1300	200	2	2
3a Mast Blvd. Bridge														
3a Mast Blvd. Bridge														
4 Old Mission Dam	800	3000	500	1700	1300	1300	2300	1600	400	1700	50000	2200	2300	3000
4 Old Mission Dam	2	200	200	200	2	2	200	2	2	2	5000	2	2	2
5 Mission Ponds	1300	2200	2300	1300	3000	400	300	800	300	2100	30000	400	800	800
5 Mission Ponds	2	200	2	2	2	2	200	2	200	400	1400	2	2	2
6 I-5 Estuary	1300	3000	2300	2300	1700	5000	1300	2300						
6 I-5 Estuary	2	200	800	200	700	1700	400	800						
6a Fashion Valley Rd.									300	5000	17000	2	1100	5000
6a Fashion Valley Rd.									200	700	1700	2	2	2

TOTAL

Site No. Location	Jun-98	Jun-98	Jul-98	Jul-98	Aug-98	Aug-98	Sep-98	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
1 Carlton Hills Blvd. Bridge	2300	1330	400	2	1700	2300	400	400	800	400	8000	600	1400	1300
2 Forrester Creek	300	1700	3000	1300	1600	1100	30000	2300	3000	30000	30000	3000	17000	50000

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

3 Sycamore Creek/SD River	1100	1100	2300	2300	1300	2300	3000	1700	800	3000	5000	110	1300	2700
3a Mast Blvd. Bridge														
4 Old Mission Dam	800	3000	500	1700	1300	1300	2300	1600	400	1700	50000	2200	2300	3000
5 Mission Ponds	1300	2200	2300	1300	3000	400	300	800	300	2100	30000	400	800	800
6 I-5 Estuary	1300	3000	2300	2300	1700	5000	1300	2300						
6a Fashion Valley Rd.									300	5000	17000	2	1100	5000
	887.5	1541.3	1350.0	1112.8	1325.0	1550.0	4662.5	1137.5	700.0	5275.0	17500.0	789.0	2987.5	7850.0
	235.0	290.3	382.1	301.8	223.2	570.4	4136.3	275.2	367.2	4014.5	5940.0	439.7	2261.6	6867.2

FECAL

Site No.	Location	Jun-98	Jun-98	Jul-98	Jul-98	Aug-98	Aug-98	Sep-98	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99
1	Carlton Hills Blvd. Bridge	200	2	2	2	2	2	2	2	2	2	3000	2	2	2
2	Forrester Creek	2	2	2	2	1600	2	2200	400	1100	1300	8000	200	2	400
3	Sycamore Creek/SD River	2	2	800	2	200	2	800	200	2	400	1300	200	2	2
3a	Mast Blvd. Bridge														
4	Old Mission Dam	2	200	200	200	2	2	200	2	2	2	5000	2	2	2
5	Mission Ponds	2	200	2	2	2	2	200	2	200	400	4400	2	2	2
6	I-5 Estuary	2	200	800	200	700	1700	400	800						
6a	Fashion Valley Rd.									200	700	1700	2	2	2
		26.3	75.8	225.8	51.0	313.3	213.8	475.3	175.8	188.3	350.5	2550.0	51.0	1.5	51.3
		28.6	38.3	139.3	36.1	226.0	245.1	287.7	113.0	151.0	172.5	937.8	36.1	0.0	57.4

Padre Dam Municipal Wastewater District
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(619)258-4600

VPDES Permit Required Monitoring
Sample Type: Grab
Sample Frequency: Biweekly/Monthly
Analyzed By: Env. Eng. LAB & D. White

TOTAL/FECAL
COLIFORM
(MPN/100-ml)

Site No.	Location	Apr-00	Apr-00
1	Carlton Hills Blvd. Bridge	210	1100
1	Carlton Hills Blvd. Bridge	20	40
2	Forrester Creek	1700	8000
2	Forrester Creek	40	800
3	Sycamore Creek/SD River		
3	Sycamore Creek/SD River		
3a	Mast Blvd. Bridge	500	2200
3a	Mast Blvd. Bridge	20	220
4	Old Mission Dam	700	300
4	Old Mission Dam	20	200
5	Mission Ponds	500	300
5	Mission Ponds	40	40
6	I-5 Estuary		
6	I-5 Estuary		
6a	Fashion Valley Rd.	300	1300
6a	Fashion Valley Rd.	20	130

TOTAL

Site No.	Location	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	Apr-00
1	Carlton Hills Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210	1100
2	Forrester Creek	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1700	8000

**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

3 Sycamore Creek/SD River															
3a Mast Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	2200
4 Old Mission Dam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	300
5 Mission Ponds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	300
6 I-5 Estuary															
6a Fashion Valley Rd.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	1300
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	488.8	1650.0
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	191.4	1035.4

FECAL

Site No. Location	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	Apr-00
1 Carlton Hills Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	40
2 Forrester Creek	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	800
3 Sycamore Creek/SD River														
3a Mast Blvd. Bridge	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	220
4 Old Mission Dam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	200
5 Mission Ponds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	40
6 I-5 Estuary														
6a Fashion Valley Rd.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	130
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.0	178.8
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	101.0

Padre Dam Municipal Wastewater District
Facility Santee Water Reclamation Plant
619)258-4600

JPDES Permit Required Monitoring
Sample Type: Grab
Sample Frequency: Biweekly/Monthly
Analyzed By: Env. Eng. LAB & D. White

OTAL/FECAL
COLIFORM
(MPN/100-ml)

Site No.	Location	May-00	May-00	May-00	Jun-00	Jun-00	Jul-00	Jul-00	Aug-00	Aug-00	Sep-00	Sep-00
1	Carlton Hills Blvd. Bridge	900	3000	2200	700	300	300	1300	800	500	230	1300
1	Carlton Hills Blvd. Bridge	20	40	20	20	20	2	2	20	20	20	20
2	Forrester Creek	1700	1300	2200	2200	800	5000	1700	1700	9000	5000	1700
2	Forrester Creek	70	40	500	230	300	130	130	110	80	3000	500
3	Sycamore Creek/SD River											
3	Sycamore Creek/SD River											
3a	Mast Blvd. Bridge	1100	3000	9000	1100	9000	2400	2200	1400	9000	9000	5000
3a	Mast Blvd. Bridge	230	40	20	300	5000	40	40	70	130	800	500
4	Old Mission Dam	1300	1600	9000	300	2400	3000	1400	600	230	800	1400
4	Old Mission Dam	20	20	20	20	20	20	20	40	20	20	40
5	Mission Ponds	700	500	500	1700	800	2200	2400	1100	1100	300	500
5	Mission Ponds	20	40	20	20	70	20	40	110	40	130	40
6	I-5 Estuary											
6	I-5 Estuary											
6a	Fashion Valley Rd.	2200	1400	1700	16000	9000	2400	500	2400	1400	1700	1700
6a	Fashion Valley Rd.	130	700	500	5000	1400	800	170	800	500	1100	1300

TOTAL

Site No.	Location	May-00	May-00	May-00	Jun-00	Jun-00	Jul-00	Jul-00	Aug-00	Aug-00	Sep-00	Sep-00
1	Carlton Hills Blvd. Bridge	900	3000	2200	700	300	300	1300	800	500	230	1300
2	Forrester Creek	1700	1300	2200	2200	800	5000	1700	1700	9000	5000	1700

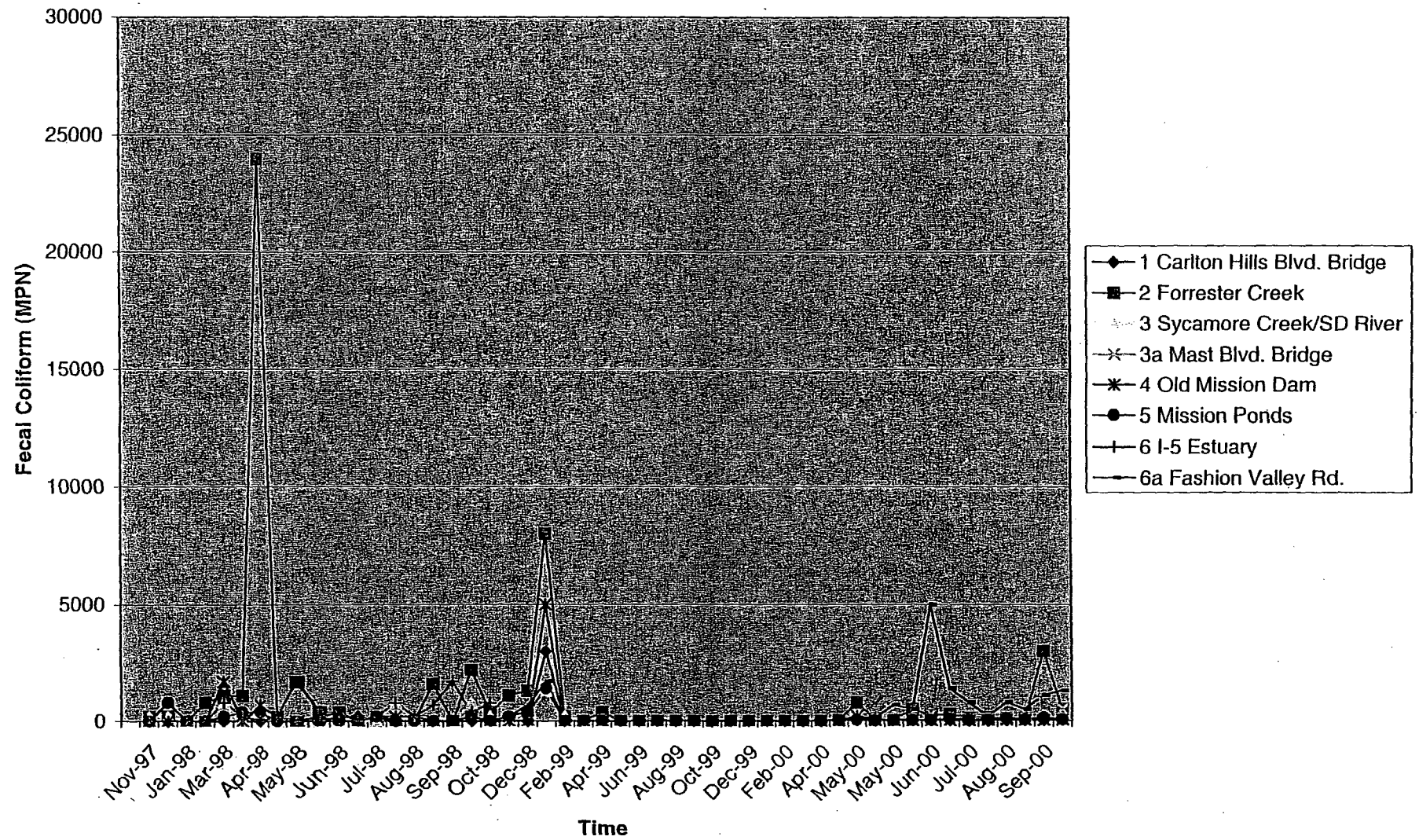
**TOTAL/FECAL
COLIFORM
(MPN/100-ml)**

3 Sycamore Creek/SD River												
3a Mast Blvd. Bridge	1100	3000	9000	1100	9000	2400	2200	1400	9000	9000	5000	
4 Old Mission Dam	1300	1600	9000	300	2400	3000	1400	600	230	800	1400	
5 Mission Ponds	700	500	500	1700	800	2200	2400	1100	1100	300	500	
6 I-5 Estuary												
6a Fashion Valley Rd.	2200	1400	1700	16000	9000	2400	500	2400	1400	1700	1700	
	987.5	1350.0	3075.0	2750.0	2787.5	1912.5	1187.5	1000.0	2653.8	2128.8	1450.0	
	195.5	354.3	1359.8	2149.7	1468.4	534.7	242.3	232.0	1502.9	1238.3	553.5	

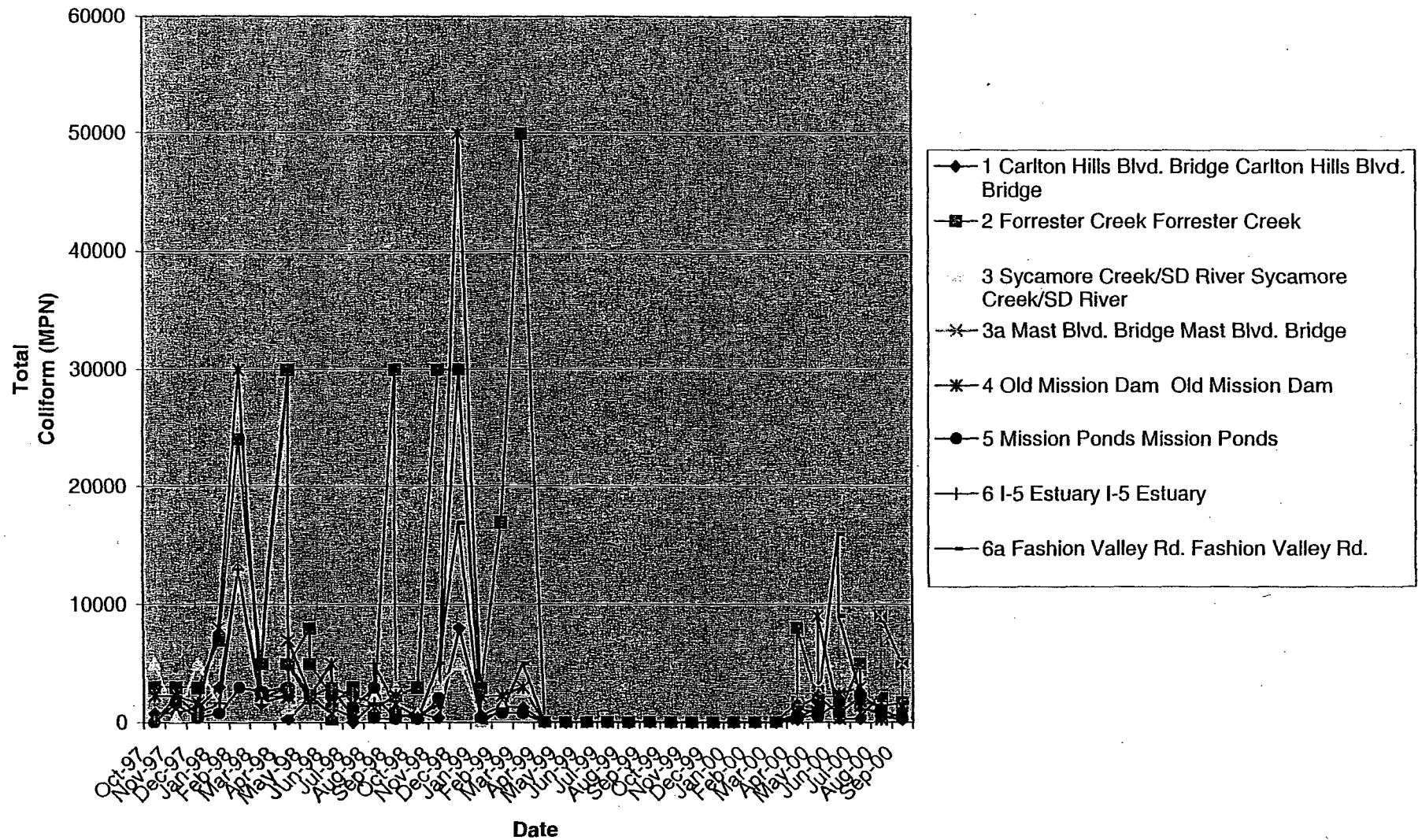
FECAL

Site No.	Location	May-00	May-00	May-00	Jun-00	Jun-00	Jul-00	Jul-00	Aug-00	Aug-00	Sep-00	Sep-00
1	Carlton Hills Blvd. Bridge	20	40	20	20	20	2	2	20	20	20	20
2	Forrester Creek	70	40	✓500	230	300	130	130	110	80	✓3000	500
3	Sycamore Creek/SD River											
3a	Mast Blvd. Bridge	230	40	20	300	✓5000	40	40	70	130	✓800	✓500
4	Old Mission Dam	20	20	20	20	20	20	20	40	20	20	40
5	Mission Ponds	20	40	20	20	70	20	40	110	40	130	40
6	I-5 Estuary											
6a	Fashion Valley Rd.	130	✓700	✓500	✓5000	✓1400	✓800	170	✓800	✓500	✓1100	✓1300
		61.3	110.0	135.0	698.8	851.3	126.5	50.3	143.8	98.8	633.8	300.0
		30.0	95.9	87.6	706.0	695.1	110.5	23.7	106.1	65.5	405.7	175.6

Fecal Coliform per Site vs. Time



Total Coliform MPN per Site vs. Time



2000 - Table 2

Quarterly Report	Standard	Jan-Mar, 00			Apr-Jun, 00			July-Sep, 00			Oct-Dec, 00		
		Influent (avg)	Carlton Hills Blvd Bridge (avg)	Mission Pond (avg)	Influent (avg)	Carlton Hills Blvd Bridge (avg)	Mission Pond (avg)	Influent (avg)	Carlton Hills Blvd Bridge (avg)	Mission Pond (avg)	Influent (avg)	Carlton Hills Blvd Bridge (avg)	Mission Pond (avg)
Total Hardness	(mg/L) ?	276	738	738	260	508	583	282	577	813	290	608	874
TDS	(mg/L) 1000-Santee 2000-Sycamore 3000-Mission SD	759			873			664			731		
TOC	80		6.49	10.8		6.33	8.47		8.66	9.98		6.1	8.42
Fluoride	(mg/L) 1	0.24	0.3	0.36	0.24	0.27	0.32	0.22	0.35	0.41	0.26	0.34	0.4
Boron	(mg/L) 1	1.07	0.29	0.48	0.54	0.23	0.38	0.65	0.34	0.43	1.15	0.39	0.59
Sulfate	(mg/L) 500	188	319	326	6.2	275	273	66.2	313	311	113	348	383
Chloride	(mg/L) 400	148.4	348.3	581.1	226.6	275.5	433.5	207	369.2	678.5	164	398.6	881.4
Manganese	(mg/L) 0.05	ND			0.08			0.07			0.06		
Cadmium	(ug/L) varies w/ hrdnss	1	1	1									
Copper	(ug/L) varies w/ hrdnss	0.07						20	20	20	110	10	
Thallium	(ug/L) 1400 (acute aquatic life)		1	3									
Lead	(ug/L) varies w/ hrdnss	50									40		
Mercury	(ug/L) 1.4 (aquatic life)				0.5			3					
Nickel	(ug/L) varies w/ hrdnss	10											
Zinc	(ug/L) varies w/ hrdnss	170		10	90	10	10	140			130		

Each site / constituent combo sampled only once during quarter

Annual Report		Std	Raw Influent	Carlton Hills Blvd Bridge	Mission Ponds	Sycamore Creek	Mission Dam	I-5 Estuary
Toluene	(ug/L)	17500 (acute tox)	2.4	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	(ug/L)	4 (drinking water-Cal MCL)	73	ND	ND	ND	ND	ND
Diethyl Phthalate	(ug/L)	940 (acute tox)	16	ND	ND	ND	ND	ND
Phenol	(ug/L)	300 (taste & odor or Welfare)	16	ND	ND	ND	ND	ND

8/9/01
jgs

2000 - Table 1

1

Std			Jan 00 ^a	Feb 00 ^a	Mar 00 ^a	Apr 00 ^a						May 00 ^a			
			Effluent Lake #1 (avg)	Effluent Lake #1 (avg)	Effluent Lake #1 (avg)	Effluent Lake #7 after Alum (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Mast Blvd (avg)	Old Mission Dam (avg)	Mission Pond (avg)	Fashion Vlly Rd (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)
BOD	mg/L/24 hrs	110													
COD	mg/L/24 hrs	250													
Flowrate	MGD						1.17	0.28	2.86	3.03	3.81	4.49		0.83	0.39
TSS	(mg/L)														
pH	pH units	6.5-8.5					7.38	7.92	7.62	7.705	7.59	7.91		7.63	8.03
Specific Conductance	umhos	900					2 of 2 1801	2 of 2 2730	2 of 2 2000	2 of 2 1940	2 of 2 2210	2 of 2 2345		3 of 3 1757	3 of 3 2670
Cl ₂	(mg/L)	50					ND	ND	ND	ND	ND	ND		ND	ND
Ammonia-N	(mg/L)	0.025	ND	ND	1 of 1 0.11	ND	ND	1 of 2 0.05	ND	ND	ND	ND	ND	ND	ND
Total N	(mg/L)	10	2.19	1.5	1.9	1.21	0.95	4.32	1.09	1.085	0.69	1.01	1.09	0.76	4.80
Total P	(mg/L)	0.1	1 of 1 0.205	0.078	0.045	0.05	2 of 2 0.95	0.048	2 of 2 0.118	2 of 2 0.159	2 of 2 0.168	2 of 2 0.275	0.066	0.08	0.04
Nitrate-N	(mg/L)	10					0.41	3.785	0.42	0.305	0.06	0.06		0.24	3.60
Ortho- Phosphate	(mg/L)	0.15					0.069	0.016	0.088	0.129	0.0895	0.038		0.05	0.01
TDS	(mg/L)	1000-Santee 2000- Sycamore 3000- Mission SD					1462	1697	1281.5	1213	1381.50	1460		1098	1669
DO	(mg/L)	5					2 of 2 3.64	7.35	2 of 2 4.78	5.905	1 of 2 4.96	6.975		2 of 3 3.05	8.17
Temp	(C)						17.65	18.4	16.5	17.6	18.4	19.6		19.97	21.87
Grease & Oil	(mg/L)	narrative, 5.0?													
Color	units	15													
MBAS	(mg/L)	0.5													
% NA	%	60													
Turbidity	(NTU)	20.00					1.06	1.47	1.16	1.66	5.78			1.84	1.80

(-) = no sample taken

ND = not detected or below detection limit

NF = no flow

^a No data for Carlton Hills, Forrester Creek, Mast Blvd, Mission Pond, or Fashion Valley RdData not analyzed: CL₂ contact basin, Plant Raw Sludge

8/9/01

jgs

2000 - Table 1

2

				June 00 ^a						July 00 ^a							
Mast Blvd (avg)	Old Mission Dam (avg)	Mission Pond (avg)	Fashion Vly Rd (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Mast Blvd (avg)	Old Mission Dam (avg)	Mission Pond (avg)	Fashion Vly Rd (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Mast Blvd (avg)	Old Mission Dam (avg)	Mission Pond (avg)	Fashion Vly Rd (avg)
1.56	2.57	2.56	2.89		0.29	0.39	0.83	0.56	0.10	1.91		0.22	0.29	0.57	0.43	0.04	0.84
7.65	7.68	7.57	7.66		7.73	7.76	7.63	7.7	7.67	7.66		7.76	7.91	7.67	7.78	7.8	7.79
3 of 3 1867	3 of 3 1836	3 of 3 1945	3 of 3 2230		2 of 2 2045	2 of 2 2635	2 of 2 2235	2 of 2 2135	2 of 2 2610	2 of 2 2690		2 of 2 2025	2 of 2 2790	2 of 2 2445	2 of 2 2430	2 of 2 2995	2 of 2 3080
ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
ND	ND	ND	ND			2 of 2 0.845	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
1.18	0.81	0.66	0.87	1.33	0.91		1.49	1	1.3	1.08	2.19	0.77	2.575	1.055	0.77	0.79	0.99
2 of 3 0.1	3 of 3 0.18	3 of 3 0.21	3 of 3 0.20	1 of 1 0.183	1 of 2 0.094	1 of 2 0.143	2 of 2 0.146	2 of 2 0.255	2 of 2 0.281	2 of 2 0.2845	0.089	0.063	0.051	1 of 2 0.153	2 of 2 0.179	2 of 2 0.204	2 of 2 0.201
0.45	0.22	0.15	0.17		0.4	2.295	0.455	0.3	0.19	0.31		0.21	0.97	0.2	0.11	0.08	0.07
0.08	2 of 3 0.16	1 of 3 0.15	0.13		0.062	0.014	0.113	2 of 2 0.204	2 of 2 0.199	0.198		0.041	0.0075	0.1045	1 of 2 0.144	1 of 2 0.166	1 of 2 0.14
1167	1147	1215.67	1393.67		1279	1647	1397	1472	1631	1709		1328	1743.5	1529	1519	1872	1925
2 of 3 4.46	1 of 3 5.22	3 of 3 3.33	3 of 3 4.43		2 of 2 3.58	1 of 2 4.68	2 of 2 3.91	2 of 2 4.63	2 of 2 2.12	2 of 2 2.64		2 of 2 3.50	7.115	2 of 2 4.1	1 of 2 3.73	2 of 2 1.91	2 of 2 3.8
19.67	20.73	22.77	22.77		22.5	23.6	20.6	22.45	25.1	23.5		22.3	23.8	20.7	20.9	21.75	24
1.51	1.42	5.05	7.58		1.20	3.09	1.61	1.22	4.49	3.33		0.91	3.68	3.27	1.79	2.03	3.77

8/9/01

jgs

2000 - Table 1

3

Aug 00 ^a							Sep 00 ^a							Oct 00 ^a						
Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Mast Blvd (avg)	Old Mission Dam (avg)	Mission Pond (avg)	Fashion Vily Rd (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Mast Blvd (avg)	Old Mission Dam (avg)	Mission Pond (avg)	Fashion Vily Rd (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)				
	0.18	0.25		0.45	0.08	0.03	0.81		0.25	0.20	0.48	1.104	0.02	0.58		0.23	0.45			
	7.61	7.76		7.62	7.6	7.71	7.7		7.71	7.67	7.57	7.63	7.72	7.78		7.84	8.05			
	2 of 2	2 of 2		2 of 2	2 of 2	2 of 2		2 of 2	2 of 2		2 of 2	2 of 2	2 of 2		1 of 1	1 of 1				
	2195	2795	2 of 2	2655	2605	3385	3355		2230	2640	2 of 2	2265	2770	3600	3395	2260	2470			
	ND	ND		ND	ND	ND		ND	ND		ND	ND	ND		ND	ND				
1 of 1		2 of 2							2 of 2		1 of 2					1 of 1				
0.21	ND	0.49	1 of 2	0.21	ND	ND	ND	ND	ND	0.255	ND	0.48	ND	ND	ND	ND	0.18			
2.39	0.61	2.9		1.16	1.55	1.355	1.4	1.72	0.79	2.055	1.015	1.63	0.67	0.63	1.65	0.78	2.54			
1 of 1				2 of 2	2 of 2	2 of 2		1 of 1	1 of 2	1 of 2		2 of 2	2 of 2	2 of 2	1 of 1					
0.24	0.077	0.0725	2 of 2	0.210	0.292	0.301	0.240	0.215	0.11	0.086	2 of 2	0.225	0.187	0.361	0.277	0.23	0.074	0.076		
	0.07	0.165		0.035	ND	ND	ND		0.09	0.48	0.105	ND	ND	ND		0.1	0.99			
				2 of 2	2 of 2	1 of 2					1 of 2	1 of 2	2 of 2	1 of 2						
	0.062	0.0119	2 of 2	0.169	0.240	0.240	0.092		0.056	0.0465	0.159	0.147	0.31	0.166		0.05	0.041			
	1372	1715.5		1660	1628	2146.5	2097		1394	1650.5	1553.5	1638	2250	2122		1413	1544			
				2 of 2	2 of 2	2 of 2					2 of 2	2 of 2	2 of 2							
2 of 2	3.29	1 of 2	6.28	2 of 2	3.63	3.23	1.29	2.91	2 of 2	4.48	1 of 2	4.15	2 of 2	3.4	3.7	1.61	2.88	1 of 1	4.48	9.67
	23.4	24.55		21.65	23.5	24.7	24.75		20.95	21.15		20	19.95	22.1	23.2		21.4	23.6		
	1.07	1.90		2.86	0.74	1.38	2.66		3.61	1.29	2.93	2.67	2.11	5.49		1.05	2.88			

8/9/01
jgs

2000 - Table 1

4

				Nov 00 ^a							Dec 00 ^a						
Old Mast Blvd Dam (avg)	Mission Mission Pond (avg)	Mission Mission Pond (avg)	Fashion Vily Rd (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Mast Blvd (avg)	Old Mission Dam (avg)	Mission Mission Pond (avg)	Fashion Vily Rd (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Mast Blvd (avg)	Old Mission Dam (avg)	Mission Mission Pond (avg)	Fashion Vily Rd (avg)
0.78	0.97	0.11	0.56		0.66	0.25	2.50	2.17	3.07	3.13		0.55	0.15	1.21	2.33	3.63	5.11
7.64	7.65	7.93	7.84		7.79	8.04		7.57	7.87	7.71		7.58	7.22	7.78	7.62	7.4	7.45
1 of 1 2370	1 of 1 2410	1 of 1 3790	1 of 1 3510		1 of 1 1964	1 of 1 2570	1 of 1 2050	1 of 1 1870	1 of 1 2440	1 of 1 2390		1 of 1 2050	1 of 1 2370	1 of 1 1980	1 of 1 2020	1 of 1 2200	1 of 1 2430
ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	1 of 1 0.17	ND	ND	ND	ND	1 of 1 0.1	ND	ND	ND	ND	ND	ND	ND
0.83	0.94	1.13	1.14	1.13	0.68	3.9	0.99	0.55	0.9	0.89	1.76	0.54	3.19	0.82		0.52	0.34
1 of 1 0.194	1 of 1 0.161	1 of 1 0.374	1 of 1 0.245	1 of 1 0.248	0.078	0.1	0.151	0.179	0.199	0.193	1 of 1 0.241	0.017	0.038	0.095	1 of 1 0.120	0.09	0.06
0.16	0.05	ND	ND		ND	3.2	0.21	ND	ND	0.05		ND	2.42	0.24	ND	ND	ND
0.141	0.128	1 of 1 0.302	1 of 1 0.163		0.043	0.065	0.067	1 of 1 0.151	0.102	0.123		0.017	0.025	0.039	0.097	0.07	0.039
1481	1506	2369	2194		1228	1606	1281	1169	1525	1494		1281	1481	1238	1263	1375	1519
1 of 1 3.8	1 of 1 4.72	1 of 1 1.07	1 of 1 3.53		1 of 1 3.85	10.4	5.95	5.7	6.45	9.16		5.61	9.81	8.95	5.12	5.74	5.44
20.6	20.9	23.4	23.3		16.2	15.6	16.1	15.3	17.3	20.7		11.5	11.4	16.5	11	13.7	14
2.69	1.53	2.73	2.02		1.24	1.22	3.02	1.15	1.15	3.63		1.24	2.67	1.98	2.70	6.15	4.99

1997 - Table 2

			Dec-97						
		Std	Effluent Lake #7 after Alum (avg)	Effluent Lake #1 (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Sycamore Creek (avg)	Old Mission Dam (avg)	Mission Pond I-5 Estuary (avg)
Total Hardness	(mg/L)	?	287	571	684	721	740	763	849
TOC	(mg/L)	80	6.7	22.5	10.6	11.4	8.6	20.4	21
Fluoride	(mg/L)	1		0.3	0.29	0.39	0.4	0.39	0.33
Boron	(mg/L)	1	0.59	1.24	0.18	0.33	0.33	0.32	0.31
Sulfate	(mg/L)	500	261	472	334	405	336	339	340
Chloride	(mg/L)	400	219.9	548.4	378.2	399.3	500.7	523.7	737.5
Manganese	(mg/L)	0.05	0.11	0.42	0.1		0.21	0.34	0.15
Cadmium	(ug/L)	varys w/ hrdnss							2
Copper	(ug/L)	varys w/ hrdnss							
Lead	(ug/L)	varys w/ hrdnss							
Nickel	(ug/L)	varys w/ hrdnss							
Zinc	(ug/L)	varys w/ hrdnss				10		10	

Each site / constituent combo sampled only once during quarter

Annual Report was all Non Detect

8/9/01

jgs

1997 - Table 1

1

		Std	Sep-97							Oct-97							Nov-97		
			Lake #7 after Alum (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Sycamore Creek (avg)	Old Mission Dam (avg)	Mission Pond (avg)	I-6 Estuary (avg)	Effluent Lake #7 after Alum (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Sycamore Creek (avg)	Old Mission Dam (avg)	Mission Pond (avg)	I-6 Estuary (avg)	Effluent Lake #7 after Alum (avg)	Carlton Hills Blvd Bridge (avg)	
BOD	mg/L/24 hrs	110	0.8							1.32	-	-	-	-	-	-	1.05	-	
COD	mg/L/24 hrs	250	6.1							7	-	-	-	-	-	-	25	-	
Flowrate	MGD		0.502	0.384	0.3645	0.1725	NF	NF	NF	0.496	-	-	-	-	-	-	0.367	-	
TSS	(mg/L)		2.1							4.1	-	-	-	-	-	-	3.85	-	
pH (am)	pH units	6.5-8.5	6.71	7.715	7.96	7.55	NF	NF	NF	3.68	-	-	-	-	-	-	6.73	-	
Specific Conductance	umhos	900	30 of 30 1424	2 of 2 2475	2 of 2 3180	2 of 2 2755	NF	NF	NF	31 of 31 1500	-	-	-	-	-	-	30 of 30 1445	-	
Cl ₂	(mg/L)	50	ND ND	ND	ND	ND	NF	NF	NF	ND	-	-	-	-	-	-	ND	-	
Ammonia-N	(mg/L)	0.025	1 of 5 0.03	ND	2 of 2 0.24	0.135	NF	NF	NF	ND	-	-	-	-	-	-	ND	-	
Total N	(mg/L)	10	1.052	2.035	3.84	2.34	NF	NF	NF	0.7025	-	-	-	-	-	-	0.335	-	
Total P	(mg/L)	0.1	4 of 5 0.521	2 of 2 0.248	0.225	0.503	NF	NF	NF	2 of 4 0.15	-	-	-	-	-	-	4 of 4 0.245	-	
Nitrate-N	(mg/L)	10		1.45	2.65	1.65	NF	NF	NF		-	-	-	-	-	-		-	
Ortho- Phosphate	(mg/L)	0.15		2 of 2 0.34	0.325	0.575	NF	NF	NF		-	-	-	-	-	-		-	
TDS	(mg/L)	1000- Santee 2000- Sycamore 3000 Mission SD	797	2 of 2 1546	2 of 2 1987.5	1722	NF				-	-	-	-	-	-		-	
DO	(mg/L)	5		2 of 2 4.7	10.1	4.75	NF				-	-	-	-	-	-		-	
Temp	(C)			20.25	23.65	19.8	NF				-	-	-	-	-	-		-	
Grease & Oil	(mg/L)	narrative, 5.0'	4.8								-	-	-	-	-	-		-	
Color	units	15	ND								-	-	-	-	-	-		-	
MBAS	(mg/L)	0.6	0.06								-	-	-	-	-	-		-	
% NA	%	60	59.2								-	-	-	-	-	-		-	
Turbidity	(NTU)	20	0.96							1.35	-	-	-	-	-	-	1.44	-	

(-) = no sample taken

ND = not detected or below detection limit

NF = no flow

8/9/01

jgs

1997 - Table 1

2

		Std						Dec-97						
			Forrester Creek (avg)	Sycamore Creek (avg)	Old Mission Dam (avg)	Mission Pond (avg)	I-5 Estuary (avg)	Effluent Lake #7 after Alum (avg)	Carlton Hills Blvd Bridge (avg)	Forrester Creek (avg)	Sycamore Creek (avg)	Old Mission Dam (avg)	Mission Pond (avg)	I-5 Estuary (avg)
BOD	mg/L/24 hrs	110	-	-	-	-	-	1	-	-	-	-	-	-
COD	mg/L/24 hrs	250	-	-	-	-	-	34	-	-	-	-	-	-
Flowrate	MGD		-	-	-	-	-	0.269	-	-	-	-	-	-
TSS	(mg/L)		-	-	-	-	-	2.1	-	-	-	-	-	-
pH (am)	pH units	6.5-8.5	-	-	-	-	-	6.77	-	-	-	-	-	-
Specific Conductance	umhos	900	-	-	-	-	-	31 of 31 1507	-	-	-	-	-	-
Cl ₂	(mg/L)	50	-	-	-	-	-	ND	-	-	-	-	-	-
Ammonia-N	(mg/L)	0.025	-	-	-	-	-	2 of 5 0.064	-	-	-	-	-	-
Total N	(mg/L)	10	-	-	-	-	-	0.816	-	-	-	-	-	-
Total P	(mg/L)	0.1	-	-	-	-	-	5 of 5 0.220	-	-	-	-	-	-
Nitrate-N	(mg/L)	10	-	-	-	-	-		-	-	-	-	-	-
Ortho- Phosphate	(mg/L)	0.15	-	-	-	-	-		-	-	-	-	-	-
TDS	(mg/L)	1000- Santee 2000- Sycamore 3000 Mission SD	-	-	-	-	-		-	-	-	-	-	-
DO	(mg/L)	5	-	-	-	-	-		-	-	-	-	-	-
Temp	(C)		-	-	-	-	-		-	-	-	-	-	-
Grease & Oil	(mg/L)	narrative, 5.0'	-	-	-	-	-		-	-	-	-	-	-
Color	units	15	-	-	-	-	-		-	-	-	-	-	-
MBAS	(mg/L)	0.5	-	-	-	-	-		-	-	-	-	-	-
% NA	%	60	-	-	-	-	-		-	-	-	-	-	-
Turbidity	(NTU)	20	-	-	-	-	-	1.65	-	-	-	-	-	-

(-) = no sample taken

ND = not detected or below detection limit

NF = no flow

From: Alan Monji
To: Cole, Keri; Smith, James
Date: 8/9/01 4:33PM
Subject: Padre Dam

I think Padre Dam and the associated waterbodies might rate listing for P, DO, and maybe Ammonia but a low priority because of the 2 projects listed below and I think the City also budgeted some \$450K to spend on the SD River. I put an article in the SD River jacket that elaborates on this \$\$.

FYI: I think we call pull out my writeups on San Diego River for **Nutrients** since Jimmys Padre Dam summary covers many of the same areas. I didn't have very good data so the Padre Dam summary is probably the better set.

Here are the projects I found for da River.

There are several environmental projects that will focus on the San Diego River and water quality issues. One project is through the County of San Diego and the other through the City of San Diego. These projects are:

- San Diego River Watershed Management Plan by the County of San Diego, Department of Environmental Health.
- "An Investigation of Nutrient Flux in the San Diego River Sediment and Potential Water Quality Impacts." by the City of San Diego Metropolitan Wastewater Department.

The San Diego River Watershed Management Plan proposal is a plan to "develop and implement a comprehensive and sustainable watershed management plan (WMP) to restore and protect water quality in the San Diego River Watershed (SDRW)."

The City of San Diego's study will be a two-year study with quarterly monitoring at six locations along the river. Included in the study will be measurements for temperature, dissolved oxygen, conductivity, ammonia, nitrate, phosphate, sulfides, total organic carbon, grain size, and bacteria. Benthic macroinvertebrate community indices and physical/habitat structure will also be measured.

AM

CC: Arias, Christina

127. 2-Nitro
128. Pentach
129. 2,4,6-Tr
130. A-BHC
ND- Non D

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY
3 of 3

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY
1 of 3

PADRI
PA

TYPE: GRAB / COMPOSITE				REPORT DATE: Jan. thru Dec. 2000				SAMPLE TYPE: GRAB / COMPOSITE				REPORT DATE: Jan. thru Dec. 2000				SAMPLE TYPE: GRAB /			
FREQUENCY: ANNUAL				REPORT DUE: February 28th 2001				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 28th 2001				SAMPLE FREQUENCY:			
COLLECTED BY: DD, RN				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD, RN				REPORT FREQUENCY: ANNUAL				COLLECTED BY:			
ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng.			
POINT: Plant Raw Influent				SIGNED BY:				SAMPLE POINT: Chlorine Contact Eff.				SIGNED BY:				SAMPLE POINT:			
PLANT INFLUENT AND ANALYSIS REQUIREMENTS								PLANT EFFLUENT AND ANALYSIS REQUIREMENTS								PLANT			
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60								PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60								PADRI			
Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents			
benzene	625	mg/l	ND	131. Endosulfan I	625	ug/l	ND	1. 1,1,1- Trichloroethane	624	ug/l	ND	27. 1,4- Dichlorobenzene	624	ug/l	ND	53. Acenaphthene			
x 1016	625	ug/l	ND	132. Endrin	625	ug/l	ND	2. 1,1,2,2- Tetrachloroethane	624	ug/l	ND	28. Tetrachloroethene	624	ug/l	ND	54. Anthracene			
x 1232	625	ug/l	ND	133. N-Nitrosodimethylamine	625	ug/l	ND	3. 1,1,2- Trichloroethane	624	ug/l	ND	29. Toluene	624	ug/l	ND	55. Benzo (a) anthracene			
x 1248	625	ug/l	ND	134. 4,4'-DDD	608	ug/l	ND	4. Cis-1,3- Dichloropropene	624	ug/l	ND	30. Trans-1,2-Dichloroethene	624	ug/l	ND	56. Benzo (k) fluoranthene			
x 1260	625	ug/l	ND	135. 4,4'-DDE	608	ug/l	ND	5. Dibromochloromethane	624	ug/l	ND	31. Trans-1,3-Dichloropropene	624	ug/l	ND	57. Benzo (ghi) perylene			
	625	ng/l	ND	136. 4,4'-DDT	608	ug/l	ND	6. Ethylbenzene	624	ng/l	ND	32. Trichloroethene	624	ug/l	ND	58. B-BHC			
trichlorobenzene	625	ug/l	ND	137. A-BHC	608	ug/l	ND	7. Methyl tert Butyl Ether	624	ug/l	ND	33. Trichlorofluoromethane	624	ug/l	ND	59. Bis (2-chloroethyl) ether			
rophenol	625	ug/l	ND	138. Aldrin	608	ug/l	ND	8. Methylene Chloride	624	ug/l	ND	34. Vinyl Chloride	624	ug/l	ND	60. Bis (2-ethylhexd) phthalate			
methylphenol	625	ug/l	ND	139. Aroclor 1016	608	ug/l	ND	9. 2- Chloroethylvinyl Ether	624	ug/l	ND	35. Xylenes (m+p)	624	ug/l	ND	61. 4-Bromophenyl phenyl ether			
yl-4,6-dinitrophenyl	625	ug/l	ND	140. Aroclor 1221	608	ug/l	ND	10. Acrolein	624	ug/l	ND	36. Xylenes (ortho)	624	ug/l	ND	62. 2-Chloronaphthalene			
ophenyl	625	ug/l	ND	141. Aroclor 1232	608	ug/l	ND	11. Acrylonitrile	624	ug/l	ND	37. Acenaphthylene	525.2	ug/l	ND	63. Chrysene			
l.	625	ug/l	16	142. Aroclor 1242	608	ug/l	ND	12. Benzene	624	ug/l	ND	38. Benzo (a) anthracene	525.2	ug/l	ND	64. 4,4'-DDE			
line	625	ug/l	ND	143. Aroclor 1248	608	ug/l	ND	13. Bromodichloromethane	624	ug/l	ND	39. Benzo (ghi) perylene	525.2	ug/l	ND	65. Dibenzo (a,h) anthracene			
	625	ug/l	ND	144. Aroclor 1254	608	ug/l	ND	14. Bromoform	624	ug/l	ND	40. Chrysene	525.2	ug/l	ND	66. 1,3-Dichlorobenzene			
ulfan II	625	ug/l	ND	145. Aroclor 1260	608	ug/l	ND	15. Bromomethane	624	ug/l	ND	41. Fluorene	525.2	ug/l	ND	67. 1,4-Dichlorobenzene			
lorocyclopentadiene	625	ug/l	ND	146. B-BHC	608	ug/l	ND	16. Carbon Tetrachloride	624	ug/l	ND	42. Penanthrene	525.2	ug/l	ND	68. Dieldrin			
osodiphenylamine	625	ug/l	ND	147. Chlordane	608	ug/l	ND	17. Chlorobenzene	624	ug/l	ND	43. Acenaphthene	525.2	ug/l	ND	69. Dimethyl phthalate			
osodi-n-propylamine	625	ug/l	ND	148. D-BHC	608	ug/l	ND	18. Chloroethane	624	ug/l	ND	44. Pyrene	525.2	ug/l	ND	70. 2,6-Dinitrotoluene			
x 1221	625	ug/l	ND	149. Dieldrin	608	ug/l	ND	19. Chloroform	624	ug/l	54	45. Anthracene	525.2	ug/l	ND	71. 1,2- Diphenylhydrazine			
x 1242	625	ug/l	ND	150. Endosulfan I	608	ug/l	ND	20. Chloromethane	624	ug/l	ND	46. Benzo (b) fluoranthene	525.2	ug/l	ND	72. Fluoranthene			
x 1254	625	ug/l	ND	151. Endosulfan II	608	ug/l	ND	21. 1,1- Dichloroethane	624	ug/l	ND	47. Benzo (k) fluoranthene	525.2	ug/l	ND	73. Heptachlor			
nthrene	625	ug/l	ND	152. Endosulfan Sulfate	608	ug/l	ND	22. 1,1- Dichloroethene	624	ug/l	ND	48. Dibenzo (a,h) anthracene	525.2	ug/l	ND	74. Hexachlorobenzene			
hene	625	ug/l	ND	153. Endrin	608	ug/l	ND	23. 1,2- Dichlorobenzene	624	ug/l	ND	49. Indeno (1,2,3-cd) pyrene	525.2	ug/l	ND	75. Hexachloroethane			
ro-3-methylphenol	625	ug/l	ND	154. Endrin Aldehyde	608	ug/l	ND	24. 1,2-Dichloroethane	624	ug/l	ND	50. Fluoranthene	525.2	ug/l	ND	76. Isophorone			
chlorophenol	625	ug/l	ND	155. Heptachlor	608	ug/l	ND	25. 1,2-Dichloropropane	624	ug/l	ND	51. Naphthalene	525.2	ug/l	ND	77. Acenaphthylene			
nitrophenol	625	ug/l	ND	156. Heptachlor Epoxide	608	ug/l	ND	26. 1,3- Dichlorobenzene	624	ug/l	ND	52. Benzo (a) pyrene	525.2	ug/l	ND	78. Aldrin			
ophenol	625	ug/l	ND	157. Lindane	608	ug/l	ND	ND- Non Detected								ND- Non Detected			
chlorophenol	625	ug/l	ND	158. Methoxychlor	608	ug/l	ND												
richlorophenol	625	ug/l	ND	159. Toxaphene	608	ug/l	ND												
	625	ug/l	ND	160. PAH's	608	ug/l	ND												
ected																			

**3 DAM MUNICIPAL WATER DISTRICT
3 DAM WATER RECYCLING FACILITY**
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PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY
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PADRE DAM MI
PADRE DAM V

COMPOSITE				REPORT DATE: Jan. thru Dec. 2000				SAMPLE TYPE: GRAB / COMPOSITE				REPORT DATE: Jan. thru Dec. 2000				SAMPLE TYPE: GRAB / COMPOSITE							
ANNUAL				REPORT DUE: February 28th 2001				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 28th 2001				SAMPLE FREQUENCY: ANNUAL							
DD, FN				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD, FN				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD, FN							
Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White							
Chlorine Contact Eff. SIGNED BY:								SAMPLE POINT: Chlorine Contact Eff. SIGNED BY:								SAMPLE POINT: Carlton Hills Bl							
EFFLUENT AND ANALYSIS REQUIREMENTS								PLANT EFFLUENT AND ANALYSIS REQUIREMENTS								RECEIVING WATERS SA							
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60								PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60								PADRE DAM MUNI							
EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units						
625	ug/l	ND	79. Benzo (b) fluoranthene	625	ug/l	ND	101. Nitrobenzene	625	mg/l	ND	131. Endosulfan I	625	ug/l	ND	1. 1,1,1- Trichloroethane	624	mg/l						
625	ug/l	ND	80. Benzo (a) pyrene	625	ug/l	ND	102. Aroclor 1016	625	ug/l	ND	132. Endrin	625	ug/l	ND	2. 1,1,2,2- Tetrachloethane	624	ug/l						
625	ug/l	ND	81. Benzyl butyl phthalate	625	ug/l	ND	103. Aroclor 1232	625	ug/l	ND	133. N-Nitrosodimethylamine	625	ug/l	ND	3. 1,1,2- Trichloroethane	624	ug/l						
625	ug/l	ND	82. D-BHC	625	ug/l	ND	104. Aroclor 1248	625	ug/l	ND	134. 4,4'-DDD	608	ug/l	ND	4. Cis-1,3- Dichloropropene	624	ug/l						
625	ug/l	ND	83. Bis (2-chlorethoxy) methane	625	ug/l	ND	105. Aroclor 1260	625	ug/l	ND	135. 4,4'-DDE	608	ug/l	ND	5. Dibromochloromethane	624	ug/l						
625	ug/l	ND	84. Bis (2-chloroisopropyl) ether	625	ug/l	ND	106. Pyrene	625	ng/l	ND	136. 4,4'-DDT	608	ug/l	ND	6. Ethyibenzene	624	ng/l						
625	ug/l	ND	85. Chlordane	625	ug/l	ND	107. 1,2,4-Trichlorobenzene	625	ug/l	ND	137. A-BHC	608	ug/l	ND	7. Methyl tert Butyl Ether	624	ug/l						
625	ug/l	ND	86. 4-Chlorophenyl phenyl ether	625	ug/l	ND	108. 2-Chlorophenol	625	ug/l	ND	138. Aldrin	608	ug/l	ND	8. Methylene Chloride	624	ug/l						
625	ug/l	ND	87. 4,4'-DDD	625	ug/l	ND	109. 2,4-Dimethylphenol	625	ug/l	ND	139. Aroclor 1016	608	ug/l	ND	9. 2- Chloroethylvinyl Ether	624	ug/l						
625	ug/l	ND	88. 4,4'-DDT	625	ug/l	ND	110. 2-Methyl-4,6-dinitrophenyl	625	ug/l	ND	140. Aroclor 1221	608	ug/l	ND	10. Acrolein	624	ug/l						
625	ug/l	ND	89. Di-n-butylphthalate	625	ug/l	ND	111. 4-Nitrophenyl	625	ug/l	ND	141. Aroclor 1232	608	ug/l	ND	11. Acrylonitrile	624	ug/l						
625	ug/l	ND	90. 1,2-Dichlorobenzene	625	ug/l	ND	112. Phenol	625	ug/l	ND	142. Aroclor 1242	608	ug/l	ND	12. Benzene	624	ug/l						
625	ug/l	ND	91. 3,3'-Dichlorobenzidine	625	ug/l	ND	113. Benzidine	625	ug/l	ND	143. Aroclor 1248	608	ug/l	ND	13. Bromodichloromethane	624	ug/l						
625	ug/l	ND	92. Diethyl phthalate	625	ug/l	ND	114. Y-BHC	625	ug/l	ND	144. Aroclor 1254	608	ug/l	ND	14. Bromoform	624	ug/l						
625	ug/l	ND	93. 2,4-Dinirtoluene	625	ug/l	ND	115. Endosulfan II	625	ug/l	ND	145. Aroclor 1260	608	ug/l	ND	15. Bromomethane	624	ug/l						
625	ug/l	ND	94. Di-n-octylphthalate	625	ug/l	ND	116. Hexachlorocyclopentadiene	625	ug/l	ND	146. B-BHC	608	ug/l	ND	16. Carbon Tetrachloride	624	ug/l						
625	ug/l	ND	95. Endosulfan Sulfate	625	ug/l	ND	117. N-Nitrosodiphenylamine	625	ug/l	ND	147. Chlordane	608	ug/l	ND	17. Chlorobenzene	624	ug/l						
625	ug/l	ND	96. Fluorene	625	ug/l	ND	118. N-Nitrosodi-n-propylamine	625	ug/l	ND	148. D-BHC	608	ug/l	ND	18. Chloroethane	624	ug/l						
625	ug/l	ND	97. Heptachlor Epoxide	625	ug/l	ND	119. Aroclor 1221	625	ug/l	ND	149. Dieldrin	608	ug/l	ND	19. Chloroform	624	ug/l						
625	ug/l	ND	98. Hexachlorobutadiene	625	ug/l	ND	120. Aroclor 1242	625	ug/l	ND	150. Endosulfan I	608	ug/l	ND	20. Chloromethane	624	ug/l						
625	ug/l	ND	99. Indeno (1,2,3-cd) pyrene	625	ug/l	ND	121. Aroclor 1254	625	ug/l	ND	151. Endosulfan II	608	ug/l	ND	21. 1,1- Dichloroethane	624	ug/l						
625	ug/l	ND	100. Naphthalene	625	ug/l	ND	122. Phenanthrene	625	ug/l	ND	152. Endosulfan Sulfate	608	ug/l	ND	22. 1,1- Dichloroethene	624	ug/l						
625	ug/l	ND	101. TCDD Equivalents	625	ug/l	ND	123. Toxaphene	625	ug/l	ND	153. Endrin	608	ug/l	ND	23. 1,2- Dichlorobenzene	624	ug/l						
625	ug/l	ND	102. Cyanide	625	ug/l	ND	124. 4-Chloro-3-methylphenol	625	ug/l	ND	154. Endrin Aldehyde	608	ug/l	ND	24. 1,2-Dichl;oroethane	624	ug/l						
625	ug/l	ND					125. 2,4-Dichlorophenol	625	ug/l	ND	155. Heptachlor	608	ug/l	ND	25. 1,2-Dichloropropane	624	pg/l						
625	ug/l	ND					126. 2,4-Dinitrophenol	625	ug/l	ND	156. Heptachlor Epoxide	608	ug/l	ND	26. 1,3- Dichlorobenzene	624	ug/l						
							127. 2-Nitrophenol	625	ug/l	ND	157. Lindane	608	ug/l	ND	ND- Non Detected								
							128. Pentachlorophenol	625	ug/l	ND	158. Methoxychlor	608	ug/l	ND									
							129. 2,4,6-Trichlorophenol	625	ug/l	ND	159. Toxaphene	608	ug/l	ND									
							130. A-BHC	625	ug/l	ND	160. PAHs	608	ug/l	ND									
ND- Non Detected																							

**MUNICIPAL WATER DISTRICT
WATER RECYCLING FACILITY**

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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REPORT DATE: Jan. thru Dec. 2000					SAMPLE TYPE: GRAB / COMPOSITE				REPORT DATE: Jan. thru Dec. 2000					SAMPLE TYPE: GRAB / COMPOSITE							
REPORT DUE: February 28th 2001					SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 28th 2001					SAMPLE FREQUENCY: ANNUAL							
REPORT FREQUENCY: ANNUAL					COLLECTED BY: DD, RN				REPORT FREQUENCY: ANNUAL					COLLECTED BY: DD, RN							
TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. Lab & D. White							
SIGNED BY:					SAMPLE POINT: Carlton Hills Blvd.				SIGNED BY:					SAMPLE POINT: Carlton Hills Blvd.							
SAMPLING AND ANALYSIS REQUIREMENTS MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60								RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60								
Results	Constituents		EPA	Units	Results	Constituents		EPA	Units	Results	Constituents		EPA	Units	Results	Constituents		EPA	Units	Results	
ND	27.	1,4-Dichlorobenzene	624	ug/l	ND	53.	Acenaphthene	625	mg/l	ND	79.	Benzo (b) fluoranthene	625	ug/l	ND	101.	Nitrobenzene	625	mg/l	ND	
ND	28.	Tetrachloroethene	624	ug/l	ND	54.	Anthracene	625	ug/l	ND	80.	Benzo (a) pyrene	625	ug/l	ND	102.	Aroclor 1016	625	ug/l	ND	
ND	29.	Toluene	624	ug/l	ND	55.	Benzo (a) anthracene	625	ug/l	ND	81.	Benzyl butyl phthalate	625	ug/l	ND	103.	Aroclor 1232	625	ug/l	ND	
ND	30.	Trans-1,2-Dichloroethene	624	ug/l	ND	56.	Benzo (k) fluoranthene	625	ug/l	ND	82.	D-BHC	625	ug/l	ND	104.	Aroclor 1248	625	ug/l	ND	
ND	31.	Trans-1,3-Dichloropropene	624	ug/l	ND	57.	Benzo (ghi) perylene	625	ug/l	ND	83.	Bis (2-chloroethoxy) methane	625	ug/l	ND	105.	Aroclor 1260	625	ug/l	ND	
ND	32.	Trichloroethene	624	ug/l	ND	58.	B-BHC	625	ng/l	ND	84.	Bis (2-chloroisopropyl) ether	625	ug/l	ND	106.	Pyrene	625	ng/l	ND	
ND	33.	Trichlorofluoromethane	624	ug/l	ND	59.	Bis (2-chloroethyl) ether	625	ug/l	ND	85.	Chlordane	625	ug/l	ND	107.	1,2,4-Trichlorobenzene	625	ug/l	ND	
ND	34.	Vinyl Chloride	624	ug/l	ND	60.	Bis (2-ethylhexyl) phthalate	625	ug/l	ND	86.	4-Chlorophenyl phenyl ether	625	ug/l	ND	108.	2-Chlorophenol	625	ug/l	ND	
ND	35.	Xylenes (m+p)	624	ug/l	ND	61.	4-Bromophenyl phenyl ether	625	ug/l	ND	87.	4,4'-DDD	625	ug/l	ND	109.	2,4-Dimethylphenol	625	ug/l	ND	
ND	36.	Xylenes (ortho)	624	ug/l	ND	62.	2-Chloronaphthalene	625	ug/l	ND	88.	4,4'-DDT	625	ug/l	ND	110.	2-Methyl-4,6-dinitrophenyl	625	ug/l	ND	
ND	37.	Acenaphthylene	525.2	ug/l	ND	63.	Chrysene	625	ug/l	ND	89.	Di-n-butylphthalate	625	ug/l	ND	111.	4-Nitrophenyl	625	ug/l	ND	
ND	38.	Benzo (a) anthracene	525.2	ug/l	ND	64.	4,4' -DDE	625	ug/l	ND	90.	1,2-Dichlorobenzene	625	ug/l	ND	112.	Phenol	625	ug/l	ND	
ND	39.	Benzo (ghi) perylene	525.2	ug/l	ND	65.	Dibenzo (ah) anthracene	625	ug/l	ND	91.	3,3'-Dichlorobenzidine	625	ug/l	ND	113.	Benzidine	625	ug/l	ND	
ND	40.	Chrysene	525.2	ug/l	ND	66.	1,3-Dichlorobenzene	625	ug/l	ND	92.	Diethyl phthalate	625	ug/l	ND	114.	Y-BHC	625	ug/l	ND	
ND	41.	Fluorene	525.2	ug/l	ND	67.	1,4-Dichlorobenzene	625	ug/l	ND	93.	2,4-Dinitrotoluene	625	ug/l	ND	115.	Endosulfan II	625	ug/l	ND	
ND	42.	Phenanthrene	525.2	ug/l	ND	68.	Dieldrin	625	ug/l	ND	94.	Di-n-octylphthalate	625	ug/l	ND	116.	Hexachlorocyclopentadiene	625	ug/l	ND	
ND	43.	Acenaphthene	525.2	ug/l	ND	69.	Dimethyl phthalate	625	ug/l	ND	95.	Endosulfan Sulfate	625	ug/l	ND	117.	N-Nitrosodiphenylamine	625	ug/l	ND	
ND	44.	Pyrene	525.2	ug/l	ND	70.	2,6-Dinitrotoluene	625	ug/l	ND	96.	Fluorene	625	ug/l	ND	118.	N-Nitrosodi-n-propylamine	625	ug/l	ND	
ND	45.	Anthracene	525.2	ug/l	ND	71.	1,2-Diphenylhydrazine	625	ug/l	ND	97.	Heptachlor Epoxide	625	ug/l	ND	119.	Aroclor 1221	625	ug/l	ND	
ND	46.	Benzo (b) fluoranthene	525.2	ug/l	ND	72.	Fluoranthene	625	ug/l	ND	98.	Hexachlorobutadiene	625	ug/l	ND	120.	Aroclor 1242	625	ug/l	ND	
ND	47.	Benzo (k) fluoranthene	525.2	ug/l	ND	73.	Heptachlor	625	ug/l	ND	99.	Indeno (1,2,3-cd) pyrene	625	ug/l	ND	121.	Aroclor 1254	625	ug/l	ND	
ND	48.	Dibenzo (ah) anthracene	525.2	ug/l	ND	74.	Hexachlorobenzene	625	ug/l	ND	100.	Naphthalene	625	ug/l	ND	122.	Phenanthrene	625	ug/l	ND	
ND	49.	Indeno (1,2,3-cd) pyrene	525.2	ug/l	ND	75.	Hexachloroethane	625	ug/l	ND	101.	TCDD Equivalents	625	ug/l	ND	123.	Toxaphene	625	ug/l	ND	
ND	50.	Fluoranthene	525.2	ug/l	ND	76.	Isophorone	625	ug/l	ND	102.	Cyanide		ug/l	ND	124.	4-Chloro-3-methylphenol	625	ug/l	ND	
ND	51.	Naphthalene	525.2	ug/l	ND	77.	Acenaphthylene	625	pg/l	ND					125.	2,4-Dichlorophenol	625	ug/l	ND		
ND	52.	Benzo (a) pyrene	525.2	ug/l	ND	78.	Aldrin	625	ug/l	ND					126.	2,4-Dinitrophenol	625	ug/l	ND		
					ND- Non Detected												127.	2-Nitrophenol	625	ug/l	ND
																	128.	Pentachlorophenol	625	ug/l	ND
																	129.	2,4,6-Trichlorophenol	625	ug/l	ND
																	130.	A-BHC	625	ug/l	ND
																	ND- Non Detected				

AL WATER DISTRICT
RECYCLING FACILITY

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PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

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PADRE DAM MUNICIPAL W
PADRE DAM WATER RECYCL

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REPORT DATE: Jan. thru Dec. 2000				SAMPLE TYPE: GRAB / COMPOSITE				REPORT DATE: Jan. thru Dec. 2000				SAMPLE TYPE: GRAB / COMPOSITE				REPORT			
REPORT DUE: February 28th 2001				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 28th 2001				SAMPLE FREQUENCY: ANNUAL				REPORT			
REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD, RN				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD, RN				REPORT			
TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White				TITLE: W			
SIGNED BY:				SAMPLE POINT: #5 Mission Ponds				SIGNED BY:				SAMPLE POINT: #5 Mission Ponds				SIGNED			
AND ANALYSIS REQUIREMENTS				RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS				AND ANALYSIS REQUIREMENTS			
IER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			
Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results
131. Endosulfan I	625	ug/l	ND	1. 1,1,1-Trichloroethane	624	mg/l	ND	27. 1,4-Dichlorobenzene	624	ug/l	ND	53. Acenaphthene	625	mg/l	ND	79. Benzo (f)			
132. Endrin	625	ug/l	ND	2. 1,1,2,2-Tetrachloroethane	624	ug/l	ND	28. Tetrachloroethene	624	ug/l	ND	54. Anthracene	625	ug/l	ND	80. Benzo (g)			
133. N-Nitrosodimethylamine	625	ug/l	ND	3. 1,1,2-Trichloroethane	624	ug/l	ND	29. Toluene	624	ug/l	ND	55. Benzo (a) anthracene	625	ug/l	ND	81. Benzyl t			
134. 4,4'-DDD	608	ug/l	ND	4. Cis-1,3-Dichloropropene	624	ug/l	ND	30. Trans-1,2-Dichloroethene	624	ug/l	ND	56. Benzo (k) fluoranthene	625	ug/l	ND	82. D-BHC			
135. 4,4'-DDE	608	ug/l	ND	5. Dibromochloromethane	624	ug/l	ND	31. Trans-1,3-Dichloropropene	624	ug/l	ND	57. Benzo (ghi) perylene	625	ug/l	ND	83. Bis (2-ch			
136. 4,4'-DDT	608	ug/l	ND	6. Ethylbenzene	624	ng/l	ND	32. Trichloroethene	624	ug/l	ND	58. B-BHC	625	ng/l	ND	84. Bis (2-ch			
137. A-BHC	608	ug/l	ND	7. Methyl tert Butyl Ether	624	ug/l	ND	33. Trichlorofluoromethane	624	ug/l	ND	59. Bis (2-chloroethyl) ether	625	ug/l	ND	85. Chlorda			
138. Aldrin	608	ug/l	ND	8. Methylene Chloride	624	ug/l	ND	34. Vinyl Chloride	624	ug/l	ND	60. Bis (2-ethylhex) phthalate	625	ug/l	ND	86. 4-Chloro			
139. Aroclor 1016	608	ug/l	ND	9. 2-Chloroethylvinyl Ether	624	ug/l	ND	35. Xylenes (m+p)	624	ug/l	ND	61. 4-Bromophenyl phenyl ether	625	ug/l	ND	87. 4,4'-DD			
140. Aroclor 1221	608	ug/l	ND	10. Acrolein	624	ug/l	ND	36. Xylenes (ortho)	624	ug/l	ND	62. 2-Chloronaphthalene	625	ug/l	ND	88. 4,4'-DD			
141. Aroclor 1232	608	ug/l	ND	11. Acrylonitrile	624	ug/l	ND	37. Acenaphthylene	525.2	ug/l	ND	63. Chrysene	625	ug/l	ND	89. Di-n-bu			
142. Aroclor 1242	608	ug/l	ND	12. Benzene	624	ug/l	ND	38. Benzo (a) anthracene	525.2	ug/l	ND	64. 4,4'-DDE	625	ug/l	ND	90. 1,2-Dich			
143. Aroclor 1248	608	ug/l	ND	13. Bromodichloromethane	624	ug/l	ND	39. Benzo (ghi) perylene	525.2	ug/l	ND	65. Dibenzo (a,h) anthracene	625	ug/l	ND	91. 3,3'-Dicl			
144. Aroclor 1254	608	ug/l	ND	14. Bromoform	624	ug/l	ND	40. Chrysene	525.2	ug/l	ND	66. 1,3-Dichlorobenzene	625	ug/l	ND	92. Diethyl			
145. Aroclor 1260	608	ug/l	ND	15. Bromomethane	624	ug/l	ND	41. Fluorene	525.2	ug/l	ND	67. 1,4-Dichlorobenzene	625	ug/l	ND	93. 2,4-Dini			
146. B-BHC	608	ug/l	ND	16. Carbon Tetrachloride	624	ug/l	ND	42. Phenanthrene	525.2	ug/l	ND	68. Dieldrin	625	ug/l	ND	94. Di-n-oct			
147. Chlordane	608	ug/l	ND	17. Chlorobenzene	624	ug/l	ND	43. Acenaphthene	525.2	ug/l	ND	69. Dimethyl phthalate	625	ug/l	ND	95. Endosul			
148. D-BHC	608	ug/l	ND	18. Chloroethane	624	ug/l	ND	44. Pyrene	525.2	ug/l	ND	70. 2,6-Dinitrotoluene	625	ug/l	ND	96. Fluorene			
149. Dieldrin	608	ug/l	ND	19. Chloroform	624	ug/l	ND	45. Anthracene	525.2	ug/l	ND	71. 1,2-Diphenylhydrazine	625	ug/l	ND	97. Heptachl			
150. Endosulfan I	608	ug/l	ND	20. Chloromethane	624	ug/l	ND	46. Benzo (b) fluoranthene	525.2	ug/l	ND	72. Fluoranthene	625	ug/l	ND	98. Hexachl			
151. Endosulfan II	608	ug/l	ND	21. 1,1-Dichloroethane	624	ug/l	ND	47. Benzo (k) fluoranthene	525.2	ug/l	ND	73. Heptachlor	625	ug/l	ND	99. Indeno (			
152. Endosulfan Sulfate	608	ug/l	ND	22. 1,1-Dichloroethene	624	ug/l	ND	48. Dibenzo (a,h) anthracene	525.2	ug/l	ND	74. Hexachlorobenzene	625	ug/l	ND	100. Naphth			
153. Endrin	608	ug/l	ND	23. 1,2-Dichlorobenzene	624	ug/l	ND	49. Indeno (1,2,3-cd) pyrene	525.2	ug/l	ND	75. Hexachloroethane	625	ug/l	ND	101. TCDD			
154. Endrin Aldehyde	608	ug/l	ND	24. 1,2-Dichloroethane	624	ug/l	ND	50. Fluoranthene	525.2	ug/l	ND	76. Isophorone	625	ug/l	ND	102. Cyanic			
155. Heptachlor	608	ug/l	ND	25. 1,2-Dichloropropane	624	pg/l	ND	51. Naphthalene	525.2	ug/l	ND	77. Acenaphthylene	625	pg/l	ND				
156. Heptachlor Epoxide	608	ug/l	ND	26. 1,3-Dichlorobenzene	624	ug/l	ND	52. Benzo (a) pyrene	525.2	ug/l	ND	78. Aldrin	625	ug/l	ND				
157. Lindane	608	ug/l	ND	ND- Non Detected				ND- Non Detected				ND- Non Detected				ND- Non Detected			
158. Methoxychlor	608	ug/l	ND																
159. Toxaphene	608	ug/l	ND																
160. PAH's	608	ug/l	ND																

**ATER DISTRICT
ING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

3 of 3

DATE: Jan. thru Dec. 2000				SAMPLE TYPE: GRAB / COMPOSITE				REPORT DATE: Jan. thru Dec. 1999			
DUE: February 28th 2001				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 28th 2000			
FREQUENCY: ANNUAL				COLLECTED BY: DD, RN				REPORT FREQUENCY: ANNUAL			
ater Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent			
BY:				SAMPLE POINT: #5 Mission Ponds				SIGNED BY:			
VALYSIS REQUIREMENTS TRICT MRP No. 98-60				RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60							
onstituents	EPA	Units	Results	Constituents	EPA	Units	Results	Constituents	EPA	Units	Results
b) fluoranthene	625	ug/l	ND	101. Nitrobenzene	625	mg/l	ND	131. Endosulfan I	625	ug/l	ND
a) pyrene	625	ug/l	ND	102. Aroclor 1016	625	ug/l	ND	132. Endrin	625	ug/l	ND
butyl phthalate	625	ug/l	ND	103. Aroclor 1232	625	ug/l	ND	133. N-Nitrosodimethylamine	625	ug/l	ND
	625	ug/l	ND	104. Aroclor 1248	625	ug/l	ND	134. 4,4'-DDD	608	ug/l	ND
chloroethoxy methane	625	ug/l	ND	105. Aroclor 1260	625	ug/l	ND	135. 4,4'-DDE	608	ug/l	ND
chloroisopropyl ether	625	ug/l	ND	106. Pyrene	625	ng/l	ND	136. 4,4'-DDT	608	ug/l	ND
ane	625	ug/l	ND	107. 1,2,4-Trichlorobenzene	625	ug/l	ND	137. A-BHC	608	ug/l	ND
ophenyl phenyl ether	625	ug/l	ND	108. 2-Chlorophenol	625	ug/l	ND	138. Aldrin	608	ug/l	ND
D	625	ug/l	ND	109. 2,4-Dimethylphenol	625	ug/l	ND	139. Aroclor 1016	608	ug/l	ND
T	625	ug/l	ND	110. 2-Methyl-4,6-dinitrophenyl	625	ug/l	ND	140. Aroclor 1221	608	ug/l	ND
tylphthalate	625	ug/l	ND	111. 4-Nitrophenyl	625	ug/l	ND	141. Aroclor 1232	608	ug/l	ND
lorobenzene	625	ug/l	ND	112. Phenol	625	ug/l	ND	142. Aroclor 1242	608	ug/l	ND
lorobenzidine	625	ug/l	ND	113. Benzidine	625	ug/l	ND	143. Aroclor 1248	608	ug/l	ND
phthalate	625	ug/l	ND	114. Y-BHC	625	ug/l	ND	144. Aroclor 1254	608	ug/l	ND
irtotoluene	625	ug/l	ND	115. Endosulfan II	625	ug/l	ND	145. Aroclor 1260	608	ug/l	ND
tylphthalate	625	ug/l	ND	116. Hexachlorocyclopentadiene	625	ug/l	ND	146. B-BHC	608	ug/l	ND
lfan Sulfate	625	ug/l	ND	117. N-Nitrosodiphenylamine	625	ug/l	ND	147. Chlordane	608	ug/l	ND
ie	625	ug/l	ND	118. N-Nitrosodi-n-propylamine	625	ug/l	ND	148. D-BHC	608	ug/l	ND
lor Epoxide	625	ug/l	ND	119. Aroclor 1221	625	ug/l	ND	149. Dieldrin	608	ug/l	ND
lorobutadiene	625	ug/l	ND	120. Aroclor 1242	625	ug/l	ND	150. Endosulfan I	608	ug/l	ND
(1,2,3-cd) pyrene	625	ug/l	ND	121. Aroclor 1254	625	ug/l	ND	151. Endosulfan II	608	ug/l	ND
halene	625	ug/l	ND	122. Phenanthrene	625	ug/l	ND	152. Endosulfan Sulfate	608	ug/l	ND
Equivalents	625	ug/l	ND	123. Toxaphene	625	ug/l	ND	153. Endrin	608	ug/l	ND
de		ug/l	ND	124. 4-Chloro-3-methylphenol	625	ug/l	ND	154. Endrin Aldehyde	608	ug/l	ND
				125. 2,4-Dichlorophenol	625	ug/l	ND	155. Heptachlor	608	ug/l	ND
				126. 2,4-Dinitrophenol	625	ug/l	ND	156. Heptachlor Epoxide	608	ug/l	ND
				127. 2-Nitrophenol	625	ug/l	ND	157. Lindane	608	ug/l	ND
				128. Pentachlorophenol	625	ug/l	ND	158. Methoxychlor	608	ug/l	ND
				129. 2,4,6-Trichlorophenol	625	ug/l	ND	159. Toxaphene	608	ug/l	ND
				130. A-BHC	625	ug/l	ND	160. PAHs	608	ug/l	ND
				ND- Non Detected							

ND- Non Detected

**PADRE DAM MUNICIPAL WATER
PADRE DAM WATER RECYCLING FAC**

1 of 2

SAMPLE TYPE: GRAB		REPORT DATE:	
SAMPLE FREQUENCY: ANNUAL		REPORT DUE:	
COLLECTED BY:		REPORT FREQUENCY:	
ANALYZED BY: Env. Eng. Lab		TITLE: Water Recycling	
SAMPLE POINT: #3 Sycamore Creek		SIGNED BY:	
RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP			
Constituents	Units	Results	Constituents
1. 1,2-Dichlorobenzene	mg/l		21. Thallium
2. 1,3-Dichlorobenzene	ug/l		22. Aldrin
3. Endosulfan	ug/l		23. Benzene
4. Endrin	ug/l		24. Chlordane
5. Fluoranthene	ug/l		25. Chloroform
6. Mercury	ng/l		26. DDT
7. Toluene	mg/l		27. 1,4-Dichlorobenzene
8. Acrolein	ug/l		28. Dichloroethane
9. Antimony	mg/l		29. Dieldrin
10. Chlorobenzene	mg/l		30. Halomethane
11. Dibutylphthalate	mg/l		31. Heptachlor
12. Diethylphthalate	mg/l		32. Heptachlor Epoxide
13. 2,4-Dimethylphenol	mg/l		33. Hexachlorobenzene
14. Dimethylphthalate	mg/l		34. PAH's
15. 2,4-Dinitrophenol	mg/l		35. PCB's
16. Ethylbenzene	mg/l		36. Pentachlorophenol
17. Nitrobenzene	mg/l		37. TCDD equivalents
18. 1,1,1-Trichloroethane	mg/l		38. Hexachlorocyclopentadiene
19. Bis(2-Chloroisopropyl) ether	mg/l		39. Bis(2-ethylhexyl)phthalate
20. 4,6-Dinitro-2-methylphenol	ug/l		40. Bis(2-chloroethyl) ether

ND - Non-detected

DISTRICT
ILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

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PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

1 of 2

		SAMPLE TYPE: GRAB		REPORT DATE:				SAMPLE TYPE: GRAB		REPORT DATE:				SAMPLE T	
		SAMPLE FREQUENCY: ANNUAL		REPORT DUE:				SAMPLE FREQUENCY: ANNUAL		REPORT DUE:				SAMPLE F	
Y: ANNUAL		COLLECTED BY:		REPORT FREQUENCY: ANNUAL				COLLECTED BY:		REPORT FREQUENCY: ANNUAL				COLLECTI	
g Superintendent		ANALYZED BY: Env. Eng. Lab		TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab		TITLE: Water Recycling Superintendent				ANALYZE	
		SAMPLE POINT: #3 Sycamore Creek		SIGNED BY:				SAMPLE POINT: #4 Mission Dam		SIGNED BY:				SAMPLE P	
REQUIREMENTS ' No. 93-48		RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48						RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48						REC	
	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Consti
	ug/l		41. Toxaphene	pg/l		54. Isophorone	ug/l		1. 1,2-Dichlorobenzene	mg/l		21. Thallium	ug/l		41. Toxaphene
	pg/l		42. 2,4,6-Trichlorophend	ug/l		55. Tetrachloroethylene	ug/l		2. 1,3-Dichlorobenzene	ug/l		22. Aldrin	pg/l		42. 2,4,6-Trich
	ug/l		43. Acrylonitrile	ug/l		56. Trichloroethylene	ug/l		3. Endosulfan	ug/l		23. Benzene	ug/l		43. Acrylonitr
	pg/l		44. Benzidine	ng/l		57. Vinyl Chloride	ug/l		4. Endrin	ug/l		24. Chlordane	pg/l		44. Benzidine
	ug/l		45. Beryllium	ug/l		58. 1,2-Dichloroethane	ug/l		5. Fluoranthene	ug/l		25. Chloroform	ug/l		45. Beryllium
	pg/l		46. 1,1-Dichloroethylene	ug/l		59. Hexachloroethane	ug/l		6. Mercury	ng/l		26. DDT	pg/l		46. 1,1-Dichlor
	ug/l		47. 1,3-Dichloropropene	ug/l		60. Hexachlorobutadiene	ug/l		7. Toluene	mg/l		27. 1,4-Dichlorobenzene	ug/l		47. 1,3-Dichlor
	ug/l		48. 1,2-Diphenylhydrazine	ug/l		61. 2,4-Dinitrotoluene	ug/l		8. Acrolein	ug/l		28. Dichloroethane	ug/l		48. 1,2-Diphen
	pg/l					62. N-nitrosodimethylamine	ng/l		9. Antimony	mg/l		29. Dieldrin	pg/l		
	ug/l		49. Carbon Tetrachloride	ug/l		63. N-nitrosodiphenylamine	ug/l		10. Chlorobenzene	mg/l		30. Halomethane	ug/l		49. Carbon Te
	ng/l					64. 1,1,2-Trichloroethane	ug/l		11. Dibutylphthalate	mg/l		31. Heptachlor	ng/l		
	ng/l		50. 3,3-Dichlorobenzidine	ug/l		65. Hexachlorocyclohexane (beta)	ng/l		12. Diethylphthalate	mg/l		32. Heptachlor Epoxide	ng/l		50. 3,3-Dichlor
	ng/l		51. 1,1,2,2-Tetrachloroethane	ug/l					13. 2,4-Dimethylphenol	mg/l		33. Hexachlorobenzene	ng/l		51. 1,1,2,2-Tet
	pg/l		52. Hexachlorocyclohexane (alpha)	ng/l					14. Dimethylphthalate	mg/l		34. PAHs	ng/l		ethane
	ug/l		53. Hexachlorocyclohexane (gamma)	ng/l					15. 2,4-Dinitrophenol	mg/l		35. PCBs	pg/l		52. Hexachlor
	mg/l		ND - Non-detected				Revised 3/97				16. Ethylbenzene	mg/l		hexane (a	
	ug/l										17. Nitrobenzene	mg/l		53. Hexachlor	
	ug/l										18. 1,1,1-Trichloroethane	mg/l		hexane (g	
											19. Bis(2-Chloroisopropyl) ether	mg/l			
											20. 4,6-Dinitro-2-methylphenol	ug/l			
											36. Pentachlorophenol	ug/l			
											37. TCDD equivalents	pg/l			
											38. Hexachlorocyclopentadiene	mg/l			
											39. Bis(2-ethylhexyl)phthalate	ug/l			
											40. Bis(2-chloroethyl) ether	ug/l			
											ND - Non-detected		Revised 3/97		

Revised 3/97

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY
2 of 2

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY
1 of 2

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY
2 of 2

TYPE: GRAB						SAMPLE TYPE: GRAB						SAMPLE TYPE: GRAB					
FREQUENCY: ANNUAL						SAMPLE FREQUENCY: ANNUAL						SAMPLE FREQUENCY: ANNUAL					
ED BY:						COLLECTED BY:						COLLECTED BY:					
D BY: Env. Eng. Lab						ANALYZED BY: Env. Eng. Lab						ANALYZED BY: Env. Eng. Lab					
POINT: #4 Mission Dam						SAMPLE POINT: #5 Mission Pond						SAMPLE POINT: #5 Mission Pond					
RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS						RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS						RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS					
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48						PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48						PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48					
Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results
1,2-Dichlorobenzene	ug/l	ND	1,2-Dichlorobenzene	ug/l	ND	1,2-Dichlorobenzene	ug/l	ND	1,2-Dichlorobenzene	ug/l	ND	1,2-Dichlorobenzene	ug/l	ND	1,2-Dichlorobenzene	ug/l	ND
1,3-Dichlorobenzene	ug/l	ND	1,3-Dichlorobenzene	ug/l	ND	1,3-Dichlorobenzene	ug/l	ND	1,3-Dichlorobenzene	ug/l	ND	1,3-Dichlorobenzene	ug/l	ND	1,3-Dichlorobenzene	ug/l	ND
Endosulfan	ug/l	ND	Endosulfan	ug/l	ND	Endosulfan	ug/l	ND	Endosulfan	ug/l	ND	Endosulfan	ug/l	ND	Endosulfan	ug/l	ND
Endrin	ug/l	ND	Endrin	ug/l	ND	Endrin	ug/l	ND	Endrin	ug/l	ND	Endrin	ug/l	ND	Endrin	ug/l	ND
Fluoranthene	ug/l	ND	Fluoranthene	ug/l	ND	Fluoranthene	ug/l	ND	Fluoranthene	ug/l	ND	Fluoranthene	ug/l	ND	Fluoranthene	ug/l	ND
Mercury	ng/l	ND	Mercury	ng/l	ND	Mercury	ng/l	ND	Mercury	ng/l	ND	Mercury	ng/l	ND	Mercury	ng/l	ND
Toluene	mg/l	ND	Toluene	mg/l	ND	Toluene	mg/l	ND	Toluene	mg/l	ND	Toluene	mg/l	ND	Toluene	mg/l	ND
Acrolein	ug/l	ND	Acrolein	ug/l	ND	Acrolein	ug/l	ND	Acrolein	ug/l	ND	Acrolein	ug/l	ND	Acrolein	ug/l	ND
Antimony	mg/l	ND	Antimony	mg/l	ND	Antimony	mg/l	ND	Antimony	mg/l	ND	Antimony	mg/l	ND	Antimony	mg/l	ND
Chlorobenzene	mg/l	ND	Chlorobenzene	mg/l	ND	Chlorobenzene	mg/l	ND	Chlorobenzene	mg/l	ND	Chlorobenzene	mg/l	ND	Chlorobenzene	mg/l	ND
Dibutylphthalate	mg/l	ND	Dibutylphthalate	mg/l	ND	Dibutylphthalate	mg/l	ND	Dibutylphthalate	mg/l	ND	Dibutylphthalate	mg/l	ND	Dibutylphthalate	mg/l	ND
Diethylphthalate	mg/l	ND	Diethylphthalate	mg/l	ND	Diethylphthalate	mg/l	ND	Diethylphthalate	mg/l	ND	Diethylphthalate	mg/l	ND	Diethylphthalate	mg/l	ND
2,4-Dimethylphenol	mg/l	ND	2,4-Dimethylphenol	mg/l	ND	2,4-Dimethylphenol	mg/l	ND	2,4-Dimethylphenol	mg/l	ND	2,4-Dimethylphenol	mg/l	ND	2,4-Dimethylphenol	mg/l	ND
Dimethylphthalate	mg/l	ND	Dimethylphthalate	mg/l	ND	Dimethylphthalate	mg/l	ND	Dimethylphthalate	mg/l	ND	Dimethylphthalate	mg/l	ND	Dimethylphthalate	mg/l	ND
2,4-Dinitrophenol	mg/l	ND	2,4-Dinitrophenol	mg/l	ND	2,4-Dinitrophenol	mg/l	ND	2,4-Dinitrophenol	mg/l	ND	2,4-Dinitrophenol	mg/l	ND	2,4-Dinitrophenol	mg/l	ND
Ethylbenzene	mg/l	ND	Ethylbenzene	mg/l	ND	Ethylbenzene	mg/l	ND	Ethylbenzene	mg/l	ND	Ethylbenzene	mg/l	ND	Ethylbenzene	mg/l	ND
Nitrobenzene	mg/l	ND	Nitrobenzene	mg/l	ND	Nitrobenzene	mg/l	ND	Nitrobenzene	mg/l	ND	Nitrobenzene	mg/l	ND	Nitrobenzene	mg/l	ND
1,1,1-Trichloroethane	mg/l	ND	1,1,1-Trichloroethane	mg/l	ND	1,1,1-Trichloroethane	mg/l	ND	1,1,1-Trichloroethane	mg/l	ND	1,1,1-Trichloroethane	mg/l	ND	1,1,1-Trichloroethane	mg/l	ND
Bis(2-Chloroisopropyl) ether	mg/l	ND	Bis(2-Chloroisopropyl) ether	mg/l	ND	Bis(2-Chloroisopropyl) ether	mg/l	ND	Bis(2-Chloroisopropyl) ether	mg/l	ND	Bis(2-Chloroisopropyl) ether	mg/l	ND	Bis(2-Chloroisopropyl) ether	mg/l	ND
4,6-Dinitro-2-methylphenol	ug/l	ND	4,6-Dinitro-2-methylphenol	ug/l	ND	4,6-Dinitro-2-methylphenol	ug/l	ND	4,6-Dinitro-2-methylphenol	ug/l	ND	4,6-Dinitro-2-methylphenol	ug/l	ND	4,6-Dinitro-2-methylphenol	ug/l	ND
ND - Non-detected						ND - Non-detected						ND - Non-detected					
Revised 3/97						Revised 3/97						Revised 3/97					

**PAL WATER DISTRICT
RECYCLING FACILITY**

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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REPORT DATE:			SAMPLE TYPE: GRAB			REPORT DATE:			SAMPLE TYPE: GRAB			REPORT DATE:		
REPORT DUE:			SAMPLE FREQUENCY: ANNUAL			REPORT DUE:			SAMPLE FREQUENCY: ANNUAL			REPORT DUE:		
REPORT FREQUENCY: ANNUAL			COLLECTED BY:			REPORT FREQUENCY: ANNUAL			COLLECTED BY:			REPORT FREQUENCY: ANNUAL		
TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. Lab			TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. Lab			TITLE: Water Recycling Superintendent		
SIGNED BY:			SAMPLE POINT: #6 1-5 Estuary			SIGNED BY:			SAMPLE POINT: #6 1-5 Estuary			SIGNED BY:		
AND ANALYSIS REQUIREMENTS ATER DISTRICT MRP No. 93-48			RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					
Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	
54. Isophorone	ug/l	ND	1. 1,2-Dichlorobenzene	mg/l		21. Thallium	ug/l		41. Toxaphene	pg/l		54. Isophorone	ug/l	
55. Tetrachloroethene	ug/l	ND	2. 1,3-Dichlorobenzene	ug/l		22. Aldrin	pg/l		42. 2,4,6-Trichlorophenol	ug/l		55. Tetrachloroethylene	ug/l	
56. Trichloroethene	ug/l	ND	3. Endosulfan	ug/l		23. Benzene	ug/l		43. Acrylonitrile	ug/l		56. Trichloroethylene	ug/l	
57. Vinyl Chloride	ug/l	ND	4. Endrin	ug/l		24. Chlordane	pg/l		44. Benzidine	ng/l		57. Vinyl Chloride	ug/l	
58. 1,2-Dichloroethane	ug/l	ND	5. Fluoranthene	ug/l		25. Chloroform	ug/l		45. Beryllium	ug/l		58. 1,2-Dichloroethane	ug/l	
59. Hexachloroethane	ug/l	ND	6. Mercury	ng/l		26. DDT	pg/l		46. 1,1-Dichloroethylene	ug/l		59. Hexachloroethane	ug/l	
60. Hexachlorobutadiene	ug/l	ND	7. Toluene	mg/l		27. 1,4-Dichlorobenzene	ug/l		47. 1,3-Dichloropropene	ug/l		60. Hexachlorobutadiene	ug/l	
61. 2,4-Dinitrotoluene	ug/l	ND	8. Acrolein	ug/l		28. Dichloroethane	ug/l		48. 1,2-Diphenylhydrazine	ug/l		61. 2,4-Dinitrotoluene	ug/l	
62. N-nitrosodimethylamine	ng/l	ND	9. Antimony	mg/l		29. Dieldrin	pg/l		49. Carbon Tetrachloride	ug/l		62. N-nitrosodimethylamine	ng/l	
63. N-nitrosodiphenylamine	ug/l	ND	10. Chlorobenzene	mg/l		30. Halomethane	ug/l		50. 3,3-Dichlorobenzidine	ug/l		63. N-nitrosodiphenylamine	ug/l	
64. 1,1,2-Trichloroethane	ug/l	ND	11. Dibutylphthalate	mg/l		31. Heptachlor	ng/l		51. 1,1,2,2-Tetrachloroethane	ug/l		64. 1,1,2-Trichloroethane	ug/l	
65. Hexachlorocyclohexane (beta)	ng/l	ND	12. Diethylphthalate	mg/l		32. Heptachlor Epoxide	ng/l		52. Hexachlorocyclohexane (alpha)	ng/l		65. Hexachlorocyclohexane (beta)	ng/l	
			13. 2,4-Dimethylphenol	mg/l		33. Hexachlorobenzene	ng/l		53. Hexachlorocyclohexane (gamma)	ng/l				
			14. Dimethylphthalate	mg/l		34. PAH's	ng/l							
			15. 2,4-Dinitrophenol	mg/l		35. PCB's	pg/l							
			16. Ethylbenzene	mg/l		36. Pentachlorophenol	ug/l							
			17. Nitrobenzene	mg/l		37. TCDD equivalents	pg/l							
			18. 1,1,1-Trichloroethane	mg/l		38. Hexachlorocyclopentadiene	mg/l							
			19. Bis(2-Chloroisopropyl) ether	mg/l		39. Bis(2-ethylhexyl)phthalate	ug/l							
			20. 4,6-Dinitro-2-methylphenol	ug/l		40. Bis(2-chloroethyl) ether	ug/l							

Revised 6/98

ND - Non-detected

Revised 6/98

ND - Non-detected

Revised 3/97

[illegible]

Quarterlies
2000

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADR
PA

SAMPLE TYPE: 24 hr. Composite REPORT DATE: Jan. - Mar. 2000						SAMPLE TYPE: Grab REPORT DATE: Jan. - Mar. 2000						SAMPLE TYPE:	
SAMPLE FREQUENCY: Quarterly REPORT DUE: April 30th, 2000						SAMPLE FREQUENCY: Quarterly REPORT DUE: April 30th, 2000						SAMPLE FREQUENCY:	
COLLECTED BY: RN, DD REPORT FREQUENCY: Quarterly						COLLECTED BY: RN, DD REPORT FREQUENCY: Quarterly						COLLECTED BY:	
ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent						ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent						ANALYZED BY: E	
SAMPLE POINT: Raw Influent SIGNED BY:						SAMPLE POINT: C12 Contact Basin SIGNED BY:						SAMPLE POINT:	
INFLUENT SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						RECEIVED PADRE DAM	
Constituents		Units	Results	Constituents		Constituents		Limits	Units	Results	Constituents		
1. Total Hardness		mg/l	276	12. Cyanide		1. Total Hardness			mg/l	953	1. Total Hardness		
2. TDS		mg/l	759	13. Copper		2. TOC			mg/l	7.9	2. TOC		
3. Fluoride		mg/l	0.24	14. Antimony		3. Fluoride		1.0	mg/l	0.24	3. Fluoride		
4. Boron		mg/l	1.07	15. Beryllium		4. Boron		1.0	mg/l	0.67	4. Boron		
5. Sulfate		mg/l	188	16. Thallium		5. Sulfate		500	mg/l	246	5. Sulfate		
6. Chloride		mg/l	148.4	17. Lead		6. Chloride		400	mg/l	155.4	6. Chloride		
7. Manganese		mg/l	ND	18. Mercury		7. Manganese		1.0	mg/l	0.05	8. Arsenic		
8. Arsenic		ug/l	ND	19. Nickel							9. Cadmium		
9. Cadmium		ug/l	1	20. Selenium							10. Chromium (VI)		
10. Chromium (VI)		ug/l	ND	21. Silver		ND - Non-detected Revised 7/99						11. Chromium (III)	
11. Chromium (III)		ug/l	ND	22. Zinc								170	

ND - Non-detected
Revised 7/99

ND - Non-detected

Revised 7/99

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

Grab REPORT DATE: Jan. - Mar. 2000						SAMPLE TYPE: Grab REPORT DATE: Jan. - Mar. 2000					
NCY: Quarterly REPORT DUE: April 30th, 2000						SAMPLE FREQUENCY: Quarterly REPORT DUE: April 30th, 2000					
RN, DD REPORT FREQUENCY: Quarterly						COLLECTED BY: RN, DD REPORT FREQUENCY: Quarterly					
Inv. Eng. LAB & D. White TITLE: Water Recycling Superintendent						ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent					
#1 Carlton Hills Blvd. Brg. SIGNED BY:						SAMPLE POINT: #5 Mission Ponds SIGNED BY:					
RECEIVING WATERS AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						RECEIVING WATERS AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					
	Units	Results	Constituents	Units	Results		Units	Results	Constituents	Units	Results
	mg/l	584	12. Copper	ug/l	ND	1. Total Hardness	mg/l	738	12. Copper	ug/l	ND
	mg/l	6.49	13. Antimony	mg/l	ND	2. TOC	mg/l	10.8	13. Antimony	mg/l	ND
	mg/l	0.3	14. Beryllium	ug/l	ND	3. Fluoride	mg/l	0.36	14. Beryllium	ug/l	ND
	mg/l	0.29	15. Thallium	ug/l	1	4. Boron	mg/l	0.48	15. Thallium	ug/l	3
	mg/l	319	16. Lead	ug/l	ND	5. Sulfate	mg/l	326	16. Lead	ug/l	ND
	mg/l	348.3	17. Mercury	ng/l	ND	6. Chloride	mg/l	581.8	17. Mercury	ng/l	ND
	ug/l	ND	18. Nickel	ug/l	ND	8. Arsenic	ug/l	ND	18. Nickel	ug/l	ND
	ug/l	1	19. Selenium	ug/l	ND	9. Cadmium	ug/l	1	19. Selenium	ug/l	ND
	ug/l	ND	20. Silver	ug/l	ND	10. Chromium (VI)	ug/l	ND	20. Silver	ug/l	ND
	ug/l	ND	21. Zinc	ug/l	ND	11. Chromium (III)	ug/l	ND	21. Zinc	ug/l	10

ND - Non-detected

Revised 7/99

ND - Non-detected

Revised 7/99

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

**PADRE DAM
PA**

SAMPLE TYPE: 24 hr. Composite			REPORT DATE: Apr.-June, 2000			SAMPLE TYPE: Grab			REPORT DATE: Apr.-June, 2000			SAMPLE TYPE:		
SAMPLE FREQUENCY: Quarterly			REPORT DUE: July 31st, 2000			SAMPLE FREQUENCY: Quarterly			REPORT DUE: July 31st, 2000			SAMPLE FREQUENCY:		
COLLECTED BY: RN, DD			REPORT FREQUENCY: Quarterly			COLLECTED BY: RN, DD			REPORT FREQUENCY: Quarterly			COLLECTED BY:		
ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			ANALYZED BY: E		
SAMPLE POINT: Raw Influent			SIGNED BY:			SAMPLE POINT: CI2 Contact Basin			SIGNED BY:			SAMPLE POINT:		
INFLUENT SAMPLING AND ANALYSIS REQUIREMENTS						EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS						RECEIVED		
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						PADRE DAM		
Constituents	Units	Results	Constituents	Units	Results	Constituents	Limits	Units	Results	Constituents				
1. Total Hardness	mg/l	260	12. Cyanide	ug/l	ND	1. Total Hardness		mg/l	224.7	1. Total Hardness				
2. TDS	mg/l	873	13. Copper	ug/l	ND	2. TOC		mg/l	8.89	2. TOC				
3. Fluoride	mg/l	0.24	14. Antimony	mg/l	ND	3. Fluoride	1	mg/l	0.23	3. Fluoride				
4. Boron	mg/l	0.54	15. Beryllium	ug/l	ND	4. Boron	1	mg/l	0.51	4. Boron				
5. Sulfate	mg/l	6.2	16. Thallium	ug/l	ND	5. Sulfate	500	mg/l	215	5. Sulfate				
6. Chloride	mg/l	226.6	17. Lead	ug/l	ND	6. Chloride	400	mg/l	161.7	6. Chloride				
7. Manganese	mg/l	0.08	18. Mercury	ng/l	0.5	7. Manganese	1	mg/l	0.07	8. Arsenic				
8. Arsenic	ug/l	ND	19. Nickel	ug/l	ND	8. Toxicity	See Attachments			9. Cadmium				
9. Cadmium	ug/l	ND	20. Selenium	ug/l	ND					10. Chromium (VI)				
10. Chromium (VI)	ug/l	ND	21. Silver	ug/l	ND	ND - Non-detected Revised 7/99				11. Chromium (III)				
11. Chromium (III)	ug/l	ND	22. Zinc	ug/l	90									

ND - Non-detected

Revised 7/99

E DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

Grab	REPORT DATE: Apr.-June, 2000	SAMPLE TYPE: Grab	REPORT DATE: Apr.-June, 2000
NCY: Quarterly	REPORT DUE July 31st, 2000	SAMPLE FREQUENCY: Quarterly	REPORT DUE July 31st, 2000
RN, DD	REPORT FREQUENCY: Quarterly	COLLECTED BY: RN, DD	REPORT FREQUENCY: Quarterly
Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
#1 Carlton Hills Blvd. Brg.	SIGNED BY:	SAMPLE POINT: #5 Mission Ponds	SIGNED BY:
RECEIVING WATERS AND ANALYSIS REQUIREMENTS		RECEIVING WATERS AND ANALYSIS REQUIREMENTS	
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60	

	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results
	mg/l	508	12. Copper	ug/l	ND	1. Total Hardness	mg/l	583	12. Copper	ug/l	ND
	mg/l	6.33	13. Antimony	mg/l	ND	2. TOC	mg/l	8.47	13. Antimony	mg/l	ND
	mg/l	0.27	14. Beryllium	ug/l	ND	3. Fluoride	mg/l	0.32	14. Beryllium	ug/l	ND
	mg/l	0.23	15. Thallium	ug/l	ND	4. Boron	mg/l	0.38	15. Thallium	ug/l	ND
	mg/l	275	16. Lead	ug/l	ND	5. Sulfate	mg/l	273	16. Lead	ug/l	ND
	mg/l	275.5	17. Mercury	ng/l	ND	6. Chloride	mg/l	433.5	17. Mercury	ng/l	ND
	ug/l	ND	18. Nickel	ug/l	ND	8. Arsenic	ug/l	ND	18. Nickel	ug/l	ND
	ug/l	ND	19. Selenium	ug/l	ND	9. Cadmium	ug/l	ND	19. Selenium	ug/l	ND
	ug/l	ND	20. Silver	ug/l	ND	10. Chromium (VI)	ug/l	ND	20. Silver	ug/l	ND
	ug/l	ND	21. Zinc	ug/l	10	11. Chromium (III)	ug/l	ND	21. Zinc	ug/l	10

ND - Non-detected

Revised 7/99

ND - Non-detected

Revised 7/99

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

**PADR
PA**

SAMPLE TYPE: 24 hr. Composite			REPORT DATE: July - Sept. 00			SAMPLE TYPE: Grab			REPORT DATE: July - Sept. 00			SAMPLE TYPE:		
SAMPLE FREQUENCY: Quarterly			REPORT DUE: Oct. 31, 00			SAMPLE FREQUENCY: Quarterly			REPORT DUE: Oct. 31, 00			SAMPLE FREQUENCY:		
COLLECTED BY: RN, DD			REPORT FREQUENCY: Quarterly			COLLECTED BY: RN, DD			REPORT FREQUENCY: Quarterly			COLLECTED BY:		
ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			ANALYZED BY: E		
SAMPLE POINT: Raw Influent			SIGNED BY:			SAMPLE POINT: CI2 Contact Basin			SIGNED BY:			SAMPLE POINT:		
INFLUENT SAMPLING AND ANALYSIS REQUIREMENTS						EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS						RECEIVED		
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						PADRE DAM		
Constituents	Units	Results	Constituents	Units	Results	Constituents	Limits	Units	Results	Constituents				
1. Total Hardness	mg/l	282	12. Cyanide	ug/l	ND	1. Total Hardness		mg/l	261	1. Total Hardness				
2. TDS	mg/l	664	13. Copper	ug/l	20	2. TOC		mg/l	8.49	2. TOC				
3. Fluoride	mg/l	0.22	14. Antimony	mg/l	ND	3. Fluoride	1	mg/l	0.24	3. Fluoride				
4. Boron	mg/l	0.65	15. Beryllium	ug/l	ND	4. Boron	1	mg/l	0.71	4. Boron				
5. Sulfate	mg/l	66.2	16. Thallium	ug/l	ND	5. Sulfate	500	mg/l	248	5. Sulfate				
6. Chloride	mg/l	207	17. Lead	ug/l	ND	6. Chloride	400	mg/l	167.6	6. Chloride				
7. Manganese	mg/l	0.07	18. Mercury	ng/l	3	7. Manganese	1	mg/l	0.04	8. Arsenic				
8. Arsenic	ug/l	ND	19. Nickel	ug/l	ND	8. Toxicity	See Attachments			9. Cadmium				
9. Cadmium	ug/l	ND	20. Selenium	ug/l	ND					10. Chromium (VI)				
10. Chromium (VI)	ug/l	ND	21. Silver	ug/l	ND	ND - Non-detected Revised 7/99				11. Chromium (III)				
11. Chromium (III)	ug/l	ND	22. Zinc	ug/l	140									

ND - Non-detected

Revised 7/99

E DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

Grab	REPORT DATE: July - Sept. 00	SAMPLE TYPE: Grab	REPORT DATE: July - Sept. 00
NCY: Quarterly	REPORT DUE: Oct. 31, 00	SAMPLE FREQUENCY: Quarterly	REPORT DUE: Oct. 31, 00
RN, DD	REPORT FREQUENCY: Quarterly	COLLECTED BY: RN, DD	REPORT FREQUENCY: Quarterly
Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
#1 Carlton Hills Blvd. Brg.	SIGNED BY:	SAMPLE POINT: #5 Mission Ponds	SIGNED BY:
RECEIVING WATERS AND ANALYSIS REQUIREMENTS		RECEIVING WATERS AND ANALYSIS REQUIREMENTS	
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60	

	Units	Results	Constituents	Units	Results	Constituents	Units	Results	Constituents	Units	Results
	mg/l	577	12. Copper	ug/l	20	1. Total Hardness	mg/l	813	12. Copper	ug/l	20
	mg/l	8.66	13. Antimony	mg/l	ND	2. TOC	mg/l	9.98	13. Antimony	mg/l	ND
	mg/l	0.35	14. Beryllium	ug/l	ND	3. Fluoride	mg/l	0.41	14. Beryllium	ug/l	ND
	mg/l	0.34	15. Thallium	ug/l	ND	4. Boron	mg/l	0.43	15. Thallium	ug/l	ND
	mg/l	313	16. Lead	ug/l	ND	5. Sulfate	mg/l	311	16. Lead	ug/l	ND
	mg/l	369.2	17. Mercury	ng/l	ND	6. Chloride	mg/l	678.5	17. Mercury	ng/l	ND
	ug/l	ND	18. Nickel	ug/l	ND	8. Arsenic	ug/l	ND	18. Nickel	ug/l	ND
	ug/l	ND	19. Selenium	ug/l	ND	9. Cadmium	ug/l	ND	19. Selenium	ug/l	ND
	ug/l	ND	20. Silver	ug/l	ND	10. Chromium (VI)	ug/l	ND	20. Silver	ug/l	ND
	ug/l	ND	21. Zinc	ug/l	ND	11. Chromium (III)	ug/l	ND	21. Zinc	ug/l	ND

ND - Non-detected

Revised 7/99

ND - Non-detected

Revised 7/99

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

SAMPLE TYPE: 24 hr. Composite REPORT DATE: Oct-Dec 00						SAMPLE TYPE: Composite REPORT DATE: Oct-Dec 00						SAMPLE TYPE:	
SAMPLE FREQUENCY: Quarterly REPORT DUE: Jan 31st, 01						SAMPLE FREQUENCY: Quarterly REPORT DUE: Jan 31st, 01						SAMPLE FREQUENCY:	
COLLECTED BY: RN, DD REPORT FREQUENCY: Quarterly						COLLECTED BY: RN, DD REPORT FREQUENCY: Quarterly						COLLECTED BY:	
ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent						ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent						ANALYZED BY:	
SAMPLE POINT: Raw Influent SIGNED BY:						SAMPLE POINT: C12 Contact Basin SIGNED BY:						SAMPLE POINT:	
INFLUENT SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						RECEIVED PADRE DAM MUNICIPAL WATER DISTRICT	
Constituents	Units	Results	Constituents	Units	Results	Constituents	Limits	Units	Results	Constituents			
1. Total Hardness	mg/l	290	12. Cyanide	ug/l	ND	1. Total Hardness		mg/l	264	1. Total Hardness			
2. TDS	mg/l	731	13. Copper	ug/l	110	2. TOC		mg/l	6.8	2. TOC			
3. Fluoride	mg/l	0.26	14. Antimony	mg/l	ND	3. Fluoride	1	mg/l	0.27	3. Fluoride			
4. Boron	mg/l	1.15	15. Beryllium	ug/l	ND	4. Boron	1	mg/l	0.64	4. Boron			
5. Sulfate	mg/l	113	16. Thallium	ug/l	ND	5. Sulfate	500	mg/l	221	5. Sulfate			
6. Chloride	mg/l	164	17. Lead	ug/l	40	6. Chloride	400	mg/l	155.8	6. Chloride			
7. Manganese	mg/l	0.06	18. Mercury	ng/l	ND	7. Manganese	1	mg/l	0.03	8. Arsenic			
8. Arsenic	ug/l	ND	19. Nickel	ug/l	ND	8. Toxicity	See Attachments			9. Cadmium			
9. Cadmium	ug/l	ND	20. Selenium	ug/l	ND					10. Chromium (VI)			
10. Chromium (VI)	ug/l	ND	21. Silver	ug/l	ND	ND - Non-detected Revised 7/99				11. Chromium (III)			
11. Chromium (III)	ug/l	ND	22. Zinc	ug/l	130								

ND - Non-detected

Revised 7/99

E DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

Grab				REPORT DATE: Oct-Dec 00				SAMPLE TYPE: Grab				REPORT DATE: Oct-Dec 00			
NCY: Quarterly				REPORT DUE: Jan 31st, 01				SAMPLE FREQUENCY: Quarterly				REPORT DUE: Jan 31st, 01			
RN, DD				REPORT FREQUENCY: Quarterly				COLLECTED BY: RN, DD				REPORT FREQUENCY: Quarterly			
Inv. Eng. LAB & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent			
#1 Carlton Hills Blvd. Brg.				SIGNED BY:				#5 Mission Ponds				SIGNED BY:			
RECEIVING WATERS AND ANALYSIS REQUIREMENTS								RECEIVING WATERS AND ANALYSIS REQUIREMENTS							
PADRE DAM MUNICIPAL WATER DISTRICT MRF No. 98-60								PADRE DAM MUNICIPAL WATER DISTRICT MRF No. 98-60							
	Units	Results	Constituents		Units	Results	Constituents		Units	Results	Constituents		Units	Results	Constituents
	mg/l	608	12. Copper		ug/l	10	1. Total Hardness		mg/l	874	12. Copper		ug/l	ND	
	mg/l	6.1	13. Antimony		mg/l	ND	2. TOC		mg/l	8.42	13. Antimony		mg/l	ND	
	mg/l	0.34	14. Beryllium		ug/l	ND	3. Fluoride		mg/l	0.4	14. Beryllium		ug/l	ND	
	mg/l	0.39	15. Thallium		ug/l	ND	4. Boron		mg/l	0.59	15. Thallium		ug/l	ND	
	mg/l	348	16. Lead		ug/l	ND	5. Sulfate		mg/l	383	16. Lead		ug/l	ND	
	mg/l	398.6	17. Mercury		ng/l	ND	6. Chloride		mg/l	881.4	17. Mercury		ng/l	ND	
	ug/l	ND	18. Nickel		ug/l	ND	8. Arsenic		ug/l	ND	18. Nickel		ug/l	ND	
	ug/l	ND	19. Selenium		ug/l	ND	9. Cadmium		ug/l	ND	19. Selenium		ug/l	ND	
	ug/l	ND	20. Silver		ug/l	ND	10. Chromium (VI)		ug/l	ND	20. Silver		ug/l	ND	
	ug/l	ND	21. Zinc		ug/l	ND	11. Chromium (III)		ug/l	ND	21. Zinc		ug/l	ND	

ND - Non-detected

Revised 7/99

ND - Non-detected

Revised 7/99

Dec 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Dec. 00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Dec. 00				SAMPLE TYPE: GRAB & COMPOSITE									
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: R.N. & D.D.									
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White									
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								REPORT FREQUENCY: MONTHLY									
DATE		BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE		TSS mg/l		Comp/ Grab		pH am./ Grab pm./ Grab		Specific Conductance (umhos/cm) am. / Grab pm. / Grab		INFLUENT AND EFFLUENT SAMPLING A PADRE DAM MUNICIPAL WA							
1		296		1228		1.8914		1		455		Comp.		7.39 7.41		1374 1414									
2						1.7495		2		472		Comp.		7.31 7.33		1315 1457									
3						1.8655		3		292		Comp.		7.29 7.29		1385 1356									
4		206		640		1.9126		4		287		Comp.		7.28 7.40		1378 1372		SAMPLE LOCATION: RAW INFLUENT							
5						1.9223		5		375		Comp.		7.24 7.38		1299 1352		INFLUENT CONSTITUENTS							
6		337		707		1.9124		6		354		Comp.		7.10 7.47		1424 1391		1. Ammonia Nitrogen (GRAB)							
7						1.9568		7		310		Comp.		7.24 7.42		1400 1384		2. Total Nitrogen (COMPOSITE)							
8		212		572		1.7756		8		240		Comp.		7.59 7.41		1590 1390		3. Total Phosphorus (COMPOSITE)							
9						1.7869		9		297		Comp.		7.32 7.41		1330 1330									
10						1.7844		10		244		Comp.		7.27 7.29		1412 1405		SAMPLE LOCATION: C12 Contact Chamber							
11		269		668		1.9529		11		228		Comp.		7.24 7.50		1304 1242		EFFLUENT CONSTITUENTS							
12						1.8462		12		349		Comp.		7.29 7.45		1353 1250		1. Color (Composite)							
13		309		796		1.924		13		466		Comp.		7.34 7.69		1247 1317		2. MBAS (Composite)							
14						1.9876		14		430		Comp.		7.48 7.61		1396 1417		3. % Sodium (Composite)							
15		350		960		1.9472		15		347		Comp.		7.48 7.35		1410 1407		4. Ammonia Nitrogen (Grab)							
16						1.8821		16		327		Comp.		7.25 7.42		1322 1421		5. Grease & Oil (COMPOSITE)							
17						1.8972		17		287		Comp.		7.31 7.39		1278 1429		6. Total Phosphorus (COMPOSITE)							
18		333		668		1.888		18		254		Comp.		7.22 7.60		1335 1357		7. Total Dissolved Solids (COMPOSITE)							
19						1.9585		19		316		Comp.		7.35 7.69		1303 1344									
20		281		847		1.8879		20		353		Comp.		7.36 7.44		1309 1439		SAMPLE LOCATION: C12 Contact Chamber							
21						1.9673		21		389		Comp.		7.36 7.65		1365 1422		Weekly Total Nitrogen Samples							
22		356		696		1.9136		22		341		Comp.		7.48 7.84		1099 1520		#1 Total Nitrogen (Composite)							
23						1.9284		23		387		Comp.		7.24 7.34		1309 1511		#2 Total Nitrogen (Composite)							
24						1.8750		24		369		Comp.		7.33 7.51		1324 1468		#3 Total Nitrogen (Composite)							
25		354		950		1.9278		25		378		Comp.		7.17 7.91		1431 1781		#4 Total Nitrogen (Composite)							
26						1.9309		26		723		Comp.		7.24 7.44		1435 1448		#5 Total Nitrogen (Composite)							
27		369		1257		1.9289		27		436		Comp.		7.30 7.49		1204 1407									
28						1.9244		28		306		Comp.		7.26 7.40		1387 1412									
29		328		510		1.8003		29		392		Comp.		6.99 7.53		1364 1514		SAMPLE LOCATION: LAKE # 1 Eff.							
30						1.7771		30		384		Comp.		7.32 7.46		1288 1674		EFFLUENT CONSTITUENTS							
31						1.8598		31		280		Comp.		7.34 7.64		1337 1546		1. Ammonia Nitrogen (GRAB)							
AVG.		308 BOD mg/l		808 COD mg/l		1.8891 FLOWMGD		AVG.		357 Mg/l		7.30 7.49		1345 1425				3. Total Phosphorus (COMPOSITE)							
																				58.5625 Total Flow					

58.5625 Total Flow

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0
Oct. 1st thru March 31st Max. Daily limit 10 mg

PADRE DAM MUNICIPAL WATER DISTRICT
WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Dec. 00				SAMPLE TYPE: Composite				REPORT DATE: Dec. 00				SAMPLE TYPE: Composite				REPORT DATE: Dec. 00			
REPORT DUE: 1/31/01				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				SIGN BY:			
ND ANALYSIS REQUIREMENTS (PER DISTRICT MRP. 98-60)				DATE	Cl2 Residual mg/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Composite			TOTAL SUSPENDED SOLIDS mg /l/ Composite			FLOW MG	
DATE: 12/4/00				1	ND	1.04	1.80	20	7.15	<2.2	1		1096			0.8	1.3		
				2	ND	1.10			7.15	<2.2	2		986			0.9	1.2		
				3	ND	1.14			7.17	<2.2	3		1172			1.5	1.3		
UNITS RESULTS				4	ND	1.09	1.80	5	7.03	<2.2	4		1057			1.0	1.1		
				5	ND	1.12			7.12	<2.2	5		1091			1.9	1.2		
				6	ND	1.11	1.87	18	7.18	<2.2	6		1171			1.4	1.1		
mg/l 31.4				7	ND	1.05			6.96	<2.2	7		1006			1.1	1.2		
				8	ND	1.00	1.79	16	6.98	<2.2	8		1138			1.1	1.1		
				9	ND	1.05			7.13	<2.2	9		1042			1.2	1.5		
DATE 12/4/00				10	ND	1.24			7.21	<2.2	10		1043			0.9	1.2		
				11	ND	1.25	1.60	12	7.16	<2.2	11		992			0.5	1.4		
				12	ND	1.21			7.21	<2.2	12		941			2.2	1.6		
LIMITS UNITS RESULTS				13	ND	0.75	1.85	10	7.19	<2.2	13		941			1.4	1.7		
				14	ND	0.67			7.17	<2.2	14		892			2.3	1.6		
				15	ND	0.65	2.80	26	7.16	<2.2	15		980			0.6	1.4		
30.85 lbs. 5 mg/l 2.6				16	ND	0.63			7.25	<2.2	16		1000			0.4	1.2		
				17	ND	0.64			7.24	<2.2	17		1007			0.4	1.7		
				18	ND	0.65	1.50	15	7.27	<2.2	18		986			0.7	1.6		
.475 lbs. 0.5/1.0 mg/l 0.04				19	ND	0.65			7.22	<2.2	19		959			2.1	1.5		
				20	ND	0.64	1.89	19	7.23	<2.2	20		1036			1.3	1.6		
				21	ND	0.60			7.11	<2.2	21		1024			1.0	1.4		
10536 lbs. 1500 mg/l 888				22	ND	0.66	2.20	18	7.19	<2.2	22		1001			2.6	1.3		
				23	ND	0.70			7.21	<2.2	23		963			0.9	1.7		
				24	ND	0.81			7.26	<2.2	24		995			0.7	1.3		
55.02 Lbs. AVG. 4.64				25	ND	0.87	1.70	24	7.39	<2.2	25		998			3.0	1.2		
				26	ND	0.86			7.39	<2.2	26		957			1.7	1.7		
				27	ND	0.84	1.50	22	7.25	<2.2	27		1046			0.8	1.4		
DATE 12/4/00				28	ND	1.10			7.04	<2.2	28		1008			4.1	1.3		
				29	ND	1.23	2.38	18	7.14	<2.2	29		1056			1.9	1.1		
				30	ND	1.27			7.07	<2.2	30		997			2.2	1.1		
LIMITS UNITS RESULTS				31	ND	1.22			7.10	<2.2	31		1017			1.3	1.5		
				AVG.	ND	0.93	1.90	17	7.17	<2.2	AVG.		1019			1.4	1.4		
																2.01 lbs.			

2.70 lbs 24.40 lbs.

2.01 lbs.

DATE	LIMITS	RESULTS
12/4/00	*	0.65
12/11/00	*	1.84
12/18/00	*	2.02
12/26/00	*	2.51
	*	
15.60 Lbs.	AVG.	1.76

mg/L Monthly Avg. Limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE
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	SAMPLE TYPE: GRAB	REPORT DATE: Dec. 00		SAMPLE TYPE: GRAB	REPORT DATE: Dec. 00		SAMPLE TYPE: GRAB
	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 1/31/01		SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 1/31/01		SAMPLE FREQUENCY: BIW
	COLLECTED BY: R,N, & D.D.	REPORT FREQUENCY: MONTHLY		COLLECTED BY: R,N, & D.D.	REPORT FREQUENCY: MONTHLY		COLLECTED BY:
RATE	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng.
SD	SAMPLE POINT: #1 Carlton Hills Blvd.	SIGNED BY:		SAMPLE POINT: #2 Forrester Creek	SIGNED BY:		SAMPLE POINT:
768	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING 'PADRE
984	PADRE DAM MUNICIPAL WATER DISTRICT MRF No. 98-60			PADRE DAM MUNICIPAL WATER DISTRICT MRF No. 98-60			PADRE
517	CONSTITUENTS			CONSTITUENTS			CONSTITUE
201	SAMPLE RESULTS			SAMPLE RESULTS			CONSTITUE
274	UNITS	DATE	DATE	UNITS	DATE	DATE	CONSTITUE
514		12/4/00			12/4/00		
910	Time	0850		Time	0905		
999	1. FLOW RATE	mgd	0.552	1. FLOW RATE	mgd	0.149	1. FLOW RATE
448	2. SPECIFIC CONDUCTANCE	umhos	2050	2. SPECIFIC CONDUCTANCE	umhos	2370	2. SPECIFIC CONDUCTAN
445	3. pH	units	7.58	3. pH	units	7.22	3. pH
363	4. CHLORINE RESIDUAL	mg/l	ND	4. CHLORINE RESIDUAL	ug/l	ND	4. CHLORINE RESIDUAL
710	5. TURBIDITY	NTU	1.24	5. TURBIDITY	NTU	2.67	5. TURBIDITY
506	6. Total/Fecal Coliform 100ml	MPN	230/40	6. Total/Fecal Coliform 100ml	MPN	2300/<200	6. Total/Fecal Coliform 100
404	Geo Metric -			Geo Metric -			
126	7. AMMONIA NITROGEN [AS N]	mg/l	ND	7. AMMONIA NITROGEN [AS N]	mg/l	ND	7. AMMONIA NITROGEN [
954	8. NITRATE [AS N]	mg/l	ND	8. NITRATE [AS N]	mg/l	2.42	8. NITRATE [AS N]
329	9. TOTAL NITROGEN [AS N]	mg/l	0.54	9. TOTAL NITROGEN [AS N]	mg/l	3.19	9. TOTAL NITROGEN [AS
191	10. TOTAL PHOSPHORUS	mg/l	0.017	10. TOTAL PHOSPHORUS	mg/l	0.038	10. TOTAL PHOSPHORUS
562	11. ORTHO PHOSPHATE	mg/l	0.017	11. ORTHO PHOSPHATE	mg/l	0.025	11. ORTHO PHOSPHATE
587	12. GENERAL PLANKTON**	See Attachments		12. GENERAL PLANKTON**	See Attachments		12. GENERAL PLANKTON
732	13. TRANSPARENCY	Secchi Disc	B/B	13. TRANSPARENCY	Secchi Disc	B/B	13. TRANSPARENCY
524	14. TOTAL DISSOLVED SOLIDS	mg/l	1281	14. TOTAL DISSOLVED SOLIDS	mg/l	1481	14. TOTAL DISSOLVED SO
355	15. DISSOLVED OXYGEN	mg/l	5.61	15. DISSOLVED OXYGEN	mg/l	9.81	15. DISSOLVED OXYGEN
359	16. TEMPERATURE	deg. C	11.5	16. TEMPERATURE	deg. C	11.4	16. TEMPERATURE
913	* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.						
570	** General Plankton is taken with 25 mesh plankton net.						
252	ND - Non-detected						
398	Revised 6/98						
527							
334							
140							
226							

Revised 6/98

Revised 6/98

DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Dec. 00	SAMPLE TYPE: GRAB	REPORT DATE: Dec. 00	SAMPLE TYPE: GRAB	REPORT DATE: Dec. 00	SAMPLE TYPE: GRAB
WEEKLY/MONTHLY *	REPORT DUE: 1/31/01	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 1/31/01	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 1/31/01
R.N. & D.D.	REPORT FREQUENCY: MONTHLY	COLLECTED BY: R.N. & D.D.	REPORT FREQUENCY: MONTHLY	COLLECTED BY: R.N. & D.D.	REPORT FREQUENCY: MONTHLY
LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
#3 Mast Blvd. Bridge	SIGNED BY:	SAMPLE POINT: #4 Old Mission Dam	SIGNED BY:	SAMPLE POINT: #5 Mission Ponds	SIGNED BY:
WATER SAMPLING AND ANALYSIS REQUIREMENTS DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60	
SAMPLE RESULTS		CONSTITUENTS		CONSTITUENTS	
UNITS	DATE	DATE	DATE	UNITS	DATE
	12/4/00				12/4/00
Time	0920			Time	0945
mgd	1.21			mgd	2.33
umhos	1980	1. FLOW RATE		umhos	2020
units	7.78	2. SPECIFIC CONDUCTANCE		units	7.62
ug/l	ND	3. pH		ug/l	ND
NTU	1.98	4. CHLORINE RESIDUAL		NTU	2.70
MPN	500/20	5. TURBIDITY		MPN	300/20
	Geo Metric -	6. Total/Fecal Coliform 100ml			Geo Metric -
[AS N]	mg/l	7. AMMONIA NITROGEN [AS N]		[AS N]	mg/l
	mg/l	8. NITRATE [AS N]			mg/l
N]	mg/l	9. TOTAL NITROGEN [AS N]		N]	mg/l
	mg/l	10. TOTAL PHOSPHORUS			mg/l
	mg/l	11. ORTHO PHOSPHATE			mg/l
	See Attachments	12. GENERAL PLANKTON**			See Attachments
Secchi Disc	B/B	13. TRANSPARENCY		Secchi Disc	B/B
mg/l	1238	14. TOTAL DISSOLVED SOLIDS		mg/l	1263
mg/l	8.95	15. DISSOLVED OXYGEN		mg/l	5.12
deg. C	16.5	16. TEMPERATURE		deg. C	11

* October 1, Monthly between October 2 and March 31.
th 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.
** General Plankton is taken with 25 mesh plankton net.
ND - Non-detected
Revised 6/98

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.
** General Plankton is taken with 25 mesh plankton net.
ND - Non-detected
Revised 6/98

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ATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Dec. 00		SAMPLE TYPE: GRAB		REPORT DATE: Dec. 00		SAMPLE TYPE: GRAB		REPORT DATE: Dec. 00	
DUE: 1/31/01		SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE: 1/31/01		REPORT DUE: MONTHLY		TITLE: Water Recycling Superintendent	
FREQUENCY: MONTHLY		COLLECTED BY: R.N. & D.D.		REPORT FREQUENCY: MONTHLY		REPORT FREQUENCY: 3X/WEEK		SIGN BY:	
Water Recycling Superintendent		ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent		PLANT RAW SLUDGE BOD MRP. 98-60			
Y:		SAMPLE POINT: #6 Fashion Valley Rd.		SIGNED BY:		DATE			
YSIS REQUIREMENTS		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		BOD mg/l			
ICT MRP No. 98-60						UNITS			
SAMPLE RESULTS		CONSTITUENTS		SAMPLE RESULTS		DATE			
DATE	DATE	DATE	UNITS	DATE	DATE	DATE	DATE		
12/4/00			Time	12/4/00			6,156		
1015			mgd	1029			MG/L		
3.63			1. FLOW RATE	5.11			MG/L		
2200			2. SPECIFIC CONDUCTANCE	2430			MG/L		
7.4			3. pH	7.45			MG/L		
ND			4. CHLORINE RESIDUAL	ND			MG/L		
6.15			5. TURBIDITY	4.99			MG/L		
300/<20			6. Total/Fecal Coliform 100ml	1300/1300			MG/L		
Geo Metric -				Geo Metric -		11,504			
ND			7. AMMONIA NITROGEN [AS N]	mg/l	ND		MG/L		
ND			8. NITRATE [AS N]	mg/l	ND		MG/L		
0.52			9. TOTAL NITROGEN [AS N]	mg/l	0.34		MG/L		
0.09			10. TOTAL PHOSPHORUS	mg/l	0.060		MG/L		
0.07			11. ORTHO PHOSPHATE	mg/l	0.039		MG/L		
See Attachments		12. GENERAL PLANKTON**		See Attachments		13,600			
B/B			13. TRANSPARENCY	Seci Disc	B/B		MG/L		
1375			14. TOTAL DISSOLVED SOLIDS	mg/l	1519		MG/L		
5.74			15. DISSOLVED OXYGEN	mg/l	5.44		MG/L		
13.7			16. TEMPERATURE	deg. C	14.0		MG/L		
						5,450			
						14,156			
						8,000			
						13,900			
						21,332			
						12,852			
						14,786			
						7,500			
						11,812			
						AVG.			

ach 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net

ND -Non-detected

Revised 6/98

Revised 6/98

Nov 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Nov. 00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Nov. 00				SAMPLE TYPE: GRAB & COMPOSITE							
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: R.N. & D.D.							
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White							
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								REPORT FREQUENCY: MONTHLY INFLUENT AND EFFLUENT SAMPLING AT PADRE DAM MUNICIPAL WA1							
DATE	BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE	TSS mg/l	Comp./ Grab	pH am./ Grab pm./ Grab		Specific Conductance (umhos/cm) am./ Grab pm./ Grab											
1	234		839		1.8559		1	334	Comp.	7.18 7.58		1379 1433											
2					1.8848		2	318	Comp.	7.28 7.37		1424 1382											
3	168		345		1.8254		3	273	Comp.	7.31 7.55		1313 1405											
4					1.8384		4	278	Comp.	7.34 7.48		1364 1489											
5					1.8362		5	244	Comp.	7.34 7.38		1386 1368											
6	263		429		1.9834		6	255	Comp.	7.24 7.44		1350 1359											
7					1.6602		7	266	Comp.	7.30 7.34		1358 1401											
8	127		904		1.7976		8	297	Comp.	7.24 7.37		1389 1387											
9					1.9243		9	454	Comp.	7.27 7.50		1371 1391											
10	173		727		1.8371		10	598	Comp.	7.39 7.28		1345 1385											
11					1.8462		11	454	Comp.	7.42 7.45		1299 1399											
12					1.7422		12	347	Comp.	7.28 7.51		1276 1326											
13	267		628		1.8919		13	282	Comp.	7.49 7.69		1470 1475											
14					1.8327		14	406	Comp.	7.27 7.57		1477 1433											
15	176		771		1.8728		15	256	Comp.	7.21 7.51		1363 1349											
16					1.8636		16	429	Comp.	7.20 7.38		1382 1445											
17	308		475		1.8725		17	406	Comp.	7.29 7.42		1392 1446											
18					1.7363		18	463	Comp.	7.35 7.37		1278 1423											
19					1.6885		19	327	Comp.	7.35 7.38		1311 1403											
20	166		407		1.9004		20	240	Comp.	7.32 7.37		1317 1343											
21					1.9419		21	396	Comp.	7.35 7.39		1379 1321											
22	174		775		1.9373		22	417	Comp.	7.20 7.40		1370 1336											
23					1.8996		23	545	Comp.	7.22 7.42		1344 1745											
24	426		1079		1.9260		24	673	Comp.	7.30 7.27		1413 1316											
25					1.8831		25	666	Comp.	7.30 7.63		1362 1539											
26					1.9102		26	589	Comp.	7.38 7.41		1357 1453											
27	370		318		1.8852		27	523	Comp.	7.28 7.74		1388 1424											
28					1.9553		28	499	Comp.	7.29 7.35		1374 1391											
29	256		934		1.9192		29	361	Comp.	7.37 7.59		1374 1440											
30					1.9502		30	384	Comp.	7.29 7.37		1432 1400											
31							31																
AVG.	239	BOD mg/l	664	COD mg/l	1.8633	FLOW MGD	AVG.	399	Mg/l	7.30	7.45	1368	1414										
														55.8984 Total Flow									
														3. Total Phosphorus (COMPOSITE)									

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0 mg/l
Oct. 1st thru March 31st Max. Daily limit 10 mg/l

REPORT DATE: Nov. 00

REPORT DUE: Dec. 31, 00

TITLE: Water Recycling Superintendent

SIGNED BY:

AND ANALYSIS REQUIREMENTS

PER DISTRICT MRF. 98-60

SAMPLE TYPE: Composite		REPORT DATE: Nov. 00	
SAMPLE POINT: Cl2 Contact Basin		TITLE: Water Recycling Superintendent	
REPORT FREQUENCY: DAILY & 3X/week		SIGN BY:	
EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60			
DATE	Cl2 Residual ug/l	Turbidity NTU	BOD5 mg/l 3X/week COD mg/l 3X/week pH Units Total / fecal Coliform MPN/100ml - DAILY

SAMPLE TYPE: Composite		REPORT DATE: Nov. 00	
SAMPLE POINT: C12 Contact Basin		TITLE: Water Recycling Superintendent	
REPORT FREQUENCY: 1X/week & 5X/week /Daily		SIGN BY:	
EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60			
DATE	SPECIFIC CONDUCTANCE umhos / Composite	TOTAL SUSPENDED SOLIDS mg./l/ Composite	FLOW MGD
1	984	2.0	1.9

				1	<2	0.86	1.70	22	7.15	<2.2	2		1011			1.7	2.0
				2	<2	0.96			7.16	<2.2	3		948			1.1	1.4
DATE: 11/6/00				3	<2	0.82	2.00	15	7.21	<2.2	4		935			1.0	1.4
UNITS		RESULTS		4	<2	0.90			7.25	<2.2	5		990			1.2	1.2
mg/l		33.1		5	<2	0.89			7.28	<2.2	6		969			1.0	1.5
mg/l		45.82		6	<2	0.92	1.80	36	7.27	<2.2	7		977			0.4	1.1
mg/l		7.24		7	<2	0.87			7.28	<2.2	8		1016			2.3	1.4
				8	<2	0.80	1.40	14	7.21	<2.2	9		1015			2.2	1.1
DATE 11/6/00				9	<2	0.95			7.25	<2.2	10		1020			2.4	1.5
LIMITS	UNITS	RESULTS		10	<2	1.24	1.20	12	7.25	<2.2	11		926			1.0	2.1
20	units	<15		11	<2	0.86			7.25	<2.2	12		915			1.3	2.0
1.46 lbs.	0.5	mg/l	0.12	12	<2	0.77			7.30	<2.2	13		964			1.5	1.6
	60	%	52.5	13	<2	1.12	1.30	12	7.33	<2.2	14		978			1.7	1.2
		mg/l	ND	14	<2	1.18			7.35	<2.2	15		1082			9.9	1.5
0.00 lbs.	5	mg/l	ND	15	<2	0.82	2.00	32	7.41	<2.2	16		1041			2.7	1.4
2.77 lbs.	0.5/1.0	mg/l	0.228	16	<2	1.99			7.28	<2.2	17		1029			1.8	1.3
8366 lbs.	1500	mg/l	689	17	<2	1.48	2.60	14	7.29	<2.2	18		951			0.2	1.5
				18	<2	1.33			7.22	<2.2	19		940			2.0	1.3
				19	<2	1.03			7.29	<2.2	20		1009			2.2	1.5
DATE	LIMITS	RESULTS		20	<2	1.37	2.60	32	7.37	<2.2	21		995			3.3	1.4
11/6/00	.	2.56		21	<2	1.30			7.40	<2.2	22		986			3.4	1.4
11/13/00	.	3.23		22	<2	1.31	2.70	15	7.22	<2.2	23		1049			2.8	1.4
11/20/00	.	2.37		23	<2	1.34			7.14	<2.2	24		1103			3.3	1.5
11/27/00	.	3.23		24	<2	1.70	6.50	15	7.23	<2.2	25		996			1.5	1.4
	.			25	<2	1.66			7.30	<2.2	26		946			1.9	1.4
34.61 lbs.	AVG.	2.85		26	<2	1.62			7.32	<2.2	27		935			2.2	1.3
DATE 11/6/00				27	<2	1.67	1.40	16	7.39	<2.2	28		957			2.2	1.4
LIMITS	UNITS	RESULTS		28	<2	1.71			7.38	<2.2	29		1051			0.9	1.3
	mg/l	ND		29	<2	1.27	1.90	21	7.11	<2.2	30		970			2.4	1.4
				30	<2	1.11			7.16	<2.2	31						
0.5/1.0	mg/l	0.248		31							AVG.		990			2.1	1.5
AVG.				<2		1.19	2.24	20	7.27	<2.2							
27.20 lbs. 242.84 lbs. 25.50 lbs.																	

	DATE	LIMITS	RESULTS
	11/6/00	"	1.31
	11/13/00	"	0.81
	11/20/00	"	1.39
	11/27/00	"	1.02
		"	
	9.79 lbs.	AVG.	1.13

mg/L Monthly Avg. limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Nov. 00					SAMPLE TYPE: GRAB					REPORT DATE: Nov. 00					SAMPLE TYPE: GRAB					REPORT DATE: Nov. 00				
WEEKLY/MONTHLY *					REPORT DUE: Dec. 31, 00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *					REPORT DUE: Dec. 31, 00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *				
R,N, & D.D.					REPORT FREQUENCY: MONTHLY					COLLECTED BY: R,N, & D.D.					REPORT FREQUENCY: MONTHLY					COLLECTED BY: R,N, & D.D.				
LAB & D. White					TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White					TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White				
#3 Mast Blvd. Bridge					SIGNED BY:					SAMPLE POINT: #4 Old Mission Dam					SIGNED BY:					SAMPLE POINT: #5 Mission Ponds				
WATER SAMPLING AND ANALYSIS REQUIREMENTS					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS				
DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				
SAMPLE RESULTS					CONSTITUENTS					SAMPLE RESULTS					CONSTITUENTS					SAMPLE RESULTS				
UNITS					UNITS					UNITS					UNITS					UNITS				
DATE					DATE					DATE					DATE					DATE				
Time					Time					Time					Time					Time				
mgd					mgd					mgd					mgd					mgd				
umhos					umhos					umhos					umhos					umhos				
units					units					units					units					units				
mg/l					mg/l					mg/l					mg/l					mg/l				
NTU					NTU					NTU					NTU					NTU				
MPN					MPN					MPN					MPN					MPN				
Geo Metric -					Geo Metric -					Geo Metric -					Geo Metric -					Geo Metric -				
[AS N]					[AS N]					[AS N]					[AS N]					[AS N]				
mg/l					mg/l					mg/l					mg/l					mg/l				
mg/l					mg/l					mg/l					mg/l					mg/l				
mg/l					mg/l					mg/l					mg/l					mg/l				
mg/l					mg/l					mg/l					mg/l					mg/l				
mg/l					mg/l					mg/l					mg/l					mg/l				
See Attachments					See Attachments					See Attachments					See Attachments					See Attachments				
Secchi Disc					Secchi Disc					Secchi Disc					Secchi Disc					Secchi Disc				
mg/l					mg/l					mg/l					mg/l					mg/l				
mg/l					mg/l					mg/l					mg/l					mg/l				
deg. C					deg. C					deg. C					deg. C					deg. C				

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.
 ** General Plankton is taken with 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.
 ** General Plankton is taken with 25 mesh plankton net.
 ND - Non-detected
 Revised 6/98

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.
 ** General Plankton is taken with 25 mesh plankton net.
 ND - Non-detected
 Revised 6/98

PER DISTRICT
LATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

DATE: Nov. 00	SAMPLE TYPE: GRAB	REPORT DATE: Nov. 00	SAMPLE TYPE: GRAB	REPORT DATE: Nov. 00
DUE: Dec. 31, 00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Dec. 31, 00	REPORT DUE: MONTHLY	TITLE: Water Recycling Superintendent
REQUENCY: MONTHLY	COLLECTED BY: R,N, & D.D.	REPORT FREQUENCY: MONTHLY	REPORT FREQUENCY: 3X / WEEK	SIGN BY:
Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	PLANT RAW SLUDGE BOD MRP. 98-60	
Y:	SAMPLE POINT: #6 Fashion Valley Rd.	SIGNED BY:	DATE	BOD mg/l
YSIS REQUIREMENTS	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		1	10,951
ICT MRP No. 98-60	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		2	
SAMPLE RESULTS			3	4,633
DATE	DATE	DATE	4	
11/6			5	
1030			6	9,958
3.07	1. FLOW RATE	mgd	7	
2440	2. SPECIFIC CONDUCTANCE	umhos	8	8,503
7.87	3. pH	units	9	
ND	4. CHLORINE RESIDUAL	mg/l	10	20,639
1.15	5. TURBIDITY	NTU	11	
1400/800	6. Total/Fecal Coliform 100ml	MPN	12	
Geo Metric -			13	16,267
ND	7. AMMONIA NITROGEN [AS N]	mg/l	14	
ND	8. NITRATE [AS N]	mg/l	15	13,782
0.9	9. TOTAL NITROGEN [AS N]	mg/l	16	
0.199	10. TOTAL PHOSPHORUS	mg/l	17	3,167
0.102	11. ORTHO PHOSPHATE	mg/l	18	
See Attachments			19	
B/B	12. GENERAL PLANKTON**	Secchi Disc	20	17,172
1525	13. TRANSPARENCY	mg/l	21	
6.45	14. TOTAL DISSOLVED SOLIDS	mg/l	22	17,952
17.3	15. DISSOLVED OXYGEN	deg. C	23	
	16. TEMPERATURE		24	12,000
			25	
			26	
			27	11,212
			28	
			29	12,469
			30	
			31	
			AVG.	12,208
				MG/L

rch 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

Revised 6/98

Oct 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Oct. 00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Oct. 00				SAMPLE TYPE: GRAB & COMPOSITE			
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: R.N. & D.D.			
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White			
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				REPORT FREQUENCY: MONTHLY			
DATE	BOD mg/l / 24hr. COMPOSITE	COD mg/l / 24hr. COMPOSITE	Flowrate MGD	DATE	TSS mg/l	Comp./ Grab	pH am./ Grab	pm./ Grab	Specific Conductance (umhos/cm) am./ Grab	pm./ Grab	DATE	TSS mg/l	Comp./ Grab	pH am./ Grab	pm./ Grab	Specific Conductance (umhos/cm) am./ Grab	pm./ Grab	INFLUENT AND EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60	
1			1.8648	1	347	Comp.	7.32	7.35	1270	1313	1	347	Comp.	7.32	7.35	1270	1313	INFLUENT AND EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60	
2	160	579	1.855	2	78	Comp.	7.34	7.42	1371	1366	2	78	Comp.	7.34	7.42	1371	1366		
3			1.8747	3	237	Comp.	7.17	7.42	1333	1333	3	237	Comp.	7.17	7.42	1333	1333		
4	176	588	1.8762	4	171	Comp.	7.27	7.30	1301	1350	4	171	Comp.	7.27	7.30	1301	1350	SAMPLE LOCATION: RAW INFLUENT	
5			1.8636	5	338	Comp.	7.26	7.48	1374	1368	5	338	Comp.	7.26	7.48	1374	1368	INFLUENT CONSTITUENTS	
6	176	467	1.8691	6	433	Comp.	7.30	7.33	1389	1360	6	433	Comp.	7.30	7.33	1389	1360	1. Ammonia Nitrogen (GRAB)	
7			1.822	7	446	Comp.	7.36	7.38	1301	1370	7	446	Comp.	7.36	7.38	1301	1370	2. Total Nitrogen (COMPOSITE)	
8			1.8272	8	440	Comp.	7.33	7.34	1335	1408	8	440	Comp.	7.33	7.34	1335	1408	3. Total Phosphorus (COMPOSITE)	
9	274	710	1.8891	9	304	Comp.	7.46	7.38	1369	1378	9	304	Comp.	7.46	7.38	1369	1378	SAMPLE LOCATION: C12 Contact Chamber	
10			1.8755	10	355	Comp.	7.30	7.58	1361	1344	10	355	Comp.	7.30	7.58	1361	1344	EFFLUENT CONSTITUENTS	
11	249	1143	1.8589	11	496	Comp.	7.27	7.64	1385	1363	11	496	Comp.	7.27	7.64	1385	1363	1. Color (Composite)	
12			1.8784	12	311	Comp.	7.26	7.60	1338	1403	12	311	Comp.	7.26	7.60	1338	1403	2. MBAS (Composite)	
13	289	568	1.8591	13	305	Comp.	7.24	7.39	1384	1401	13	305	Comp.	7.24	7.39	1384	1401	3. % Sodium (Composite)	
14			1.7884	14	469	Comp.	7.36	7.39	1276	1641	14	469	Comp.	7.36	7.39	1276	1641	4. Ammonia Nitrogen (Grab)	
15			1.8437	15	393	Comp.	7.30	7.33	1197	1409	15	393	Comp.	7.30	7.33	1197	1409	5. Grease & Oil (COMPOSITE)	
16	304	588	1.9224	16	220	Comp.	7.41	7.30	1328	1426	16	220	Comp.	7.41	7.30	1328	1426	6. Total Phosphorus (COMPOSITE)	
17			1.8115	17	279	Comp.	7.38	7.44	1285	1370	17	279	Comp.	7.38	7.44	1285	1370	7. Total Dissolved Solids (COMPOSITE)	
18	140	805	1.8457	18	378	Comp.	7.26	7.53	1292	1398	18	378	Comp.	7.26	7.53	1292	1398	SAMPLE LOCATION: C12 Contact Chamber	
19			1.8601	19	366	Comp.	7.27	7.51	1322	1389	19	366	Comp.	7.27	7.51	1322	1389	Weekly Total Nitrogen Samples	
20	161	667	1.8679	20	190	Comp.	7.21	7.29	1380	1406	20	190	Comp.	7.21	7.29	1380	1406	#1 Total Nitrogen (Composite)	
21			1.8533	21	426	Comp.	7.33	7.32	1322	1303	21	426	Comp.	7.33	7.32	1322	1303	#2 Total Nitrogen (Composite)	
22			1.8467	22	363	Comp.	7.32	7.51	1301	1450	22	363	Comp.	7.32	7.51	1301	1450	#3 Total Nitrogen (Composite)	
23	179	500	1.8772	23	275	Comp.	7.19	7.45	1258	1355	23	275	Comp.	7.19	7.45	1258	1355	#4 Total Nitrogen (Composite)	
24			1.8518	24	239	Comp.	7.18	7.30	1364	1371	24	239	Comp.	7.18	7.30	1364	1371	#5 Total Nitrogen (Composite)	
25	210	668	1.8347	25	235	Comp.	7.23	7.51	1330	1346	25	235	Comp.	7.23	7.51	1330	1346	SAMPLE LOCATION: LAKE #1 Eff.	
26			1.8704	26	312	Comp.	7.02	7.58	1371	1340	26	312	Comp.	7.02	7.58	1371	1340	EFFLUENT CONSTITUENTS	
27	246	1288	1.8774	27	616	Comp.	7.48	7.48	1375	1295	27	616	Comp.	7.48	7.48	1375	1295	1. Ammonia Nitrogen (GRAB)	
28			1.8994	28	548	Comp.	7.41	7.37	1345	1455	28	548	Comp.	7.41	7.37	1345	1455	2. Total Phosphorous (Composite)	
29			1.9314	29	326	Comp.	7.38	7.39	1449	1437	29	326	Comp.	7.38	7.39	1449	1437		
30	184	545	1.8907	30	244	Comp.	7.34	7.34	1193	1350	30	244	Comp.	7.34	7.34	1193	1350		
31			1.8386	31	314	Comp.	7.09	7.47	1559	1369	31	314	Comp.	7.09	7.47	1559	1369		
AVG.	211	BOD mg/l	701	COD mg/l	1.8621	FLOW MGD	AVG.	337	Mg/l	7.29	7.42	1337			1383				

57.7249 Total Flow

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0 mg/l
Oct. 1st thru March 31st Max. Daily limit 10 mg/l

PAL WATER DISTRICT
WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Oct. 00				SAMPLE TYPE: Composite				REPORT DATE: Oct. 00				SAMPLE TYPE: Composite				REPORT DATE: Oct. 00			
REPORT DUE: 11/30/00				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
ANALYSIS REQUIREMENTS R DISTRICT MRP. 98-60				DATE	Cl2 Residual mg/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Composite		TOTAL SUSPENDED SOLIDS mg/l/ Composite		FLOW MG			
				1	<2	0.592			7.27	<2	2		926		1.1		1.08		
				2	<2	0.688	0.70	46	7.20	<2	3		966		0.8		1.05		
				3	<2	0.681			7.33	<2	4		1099		0.7		0.92		
DATE: 10/2/00				4	<2	0.930	1.10	14	7.17	<2	5		960		1.1		0.85		
UNITS				5	<2	0.704			7.10	<2	6		963		1.2		1.52		
mg/l				6	<2	0.545	0.90	20	7.20	<2	7		919		1.1		0.94		
mg/l				7	<2	0.652			7.38	<2	8		936		0.7		0.97		
mg/l				8	<2	0.787			7.34	<2	9		932		0.2		1.22		
				9	<2	0.787			7.34	<2	10		876		1.3		1.31		
DATE: 10/2/00				10	<2	1.250	2.00	12	7.43	<2	11		922		3.2		1.02		
LIMITS				11	<2	1.010			7.39	<2	12		915		2.4		0.82		
20				12	<2	0.792	1.20	20	7.33	<2	13		910		1.8		1.07		
.891 Lbs.				13	<2	0.882			7.27	<2	14		894		1.1		1.32		
60				14	<2	0.861	0.90	24	7.29	<2	15		926		0.9		1.34		
				15	<2	0.772			7.37	<2	16		918		1.4		1.35		
5.94 Lbs.				16	<2	0.835			7.40	<2	17		879		0.5		1.18		
1.98 Lbs.				17	<2	0.877	0.60	17	7.18	<2	18		1128		2.3		0.98		
6447 Lbs.				18	<2	0.785			7.14	<2	19		963		1.9		1.00		
				19	<2	0.892	2.10	31	7.38	<2	20		1023		3.3		1.05		
				20	<2	0.920			7.26	<2	21		967		1.8		0.98		
				21	<2	1.110	1.65	15	7.20	<2	22		997		1.5		1.58		
DATE: 10/2/00				22	<2	0.910			7.43	<2	23		918		1.3		1.42		
10/9/00				23	<2	0.810			7.31	<2	24		1031		1.5		1.12		
10/16/00				24	<2	0.916	1.20	26	7.22	<2	25		956		2.2		0.88		
10/23/00				25	<2	0.867			7.11	<2	26		938		2.0		1.62		
10/30/00				26	<2	0.766	1.20	21	7.05	<2	27		990		0.4		1.31		
29.22 Lbs.				27	<2	0.872			7.26	<2	28		970		1.4		1.65		
AVG.				28	<2	0.683	1.80	18	7.09	<2	29		971		0.4		1.52		
				29	<2	0.697			7.29	<2	30		967		1.7		1.32		
LIMITS				30	<2	0.703			7.27	<2	31		995		1.3		1.32		
mg/l				31	<2	0.749	2.00	25	7.07	<2	AVG.		962		1.4		1.18		
0.5/1.0				AVG.		0.817	1.33	22	7.26										
				13.77 Lbs. 217 Lbs.								13.90 lbs. 36.8							

DATE	LIMITS	RESULTS
10/2/00	*	1.15
10/9/00	*	1.41
10/16/00	*	1.85
10/23/00	*	1.90
10/30/00	*	1.92
1.15 Lbs.	AVG.	1.65

mg/L Monthly Avg. Limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE
FACIL

	SAMPLE TYPE: GRAB	REPORT DATE: Oct. 00		SAMPLE TYPE: GRAB	REPORT DATE: Oct. 00		SAMPLE TYPE: GRAB
	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 11/30/00		SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 11/30/00		SAMPLE FREQUENCY: BIW
	COLLECTED BY: R.N. & D.D.	REPORT FREQUENCY: MONTHLY		COLLECTED BY: R.N. & D.D.	REPORT FREQUENCY: MONTHLY		COLLECTED BY:
32	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng.
10	SAMPLE POINT: #1 Carlton Hills Blvd.	SIGNED BY:		SAMPLE POINT: #2 Forrester Creek	SIGNED BY:		SAMPLE POINT:
78	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING
	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			PADRE
	CONSTITUENTS		SAMPLE RESULTS	CONSTITUENTS		SAMPLE RESULTS	CONSTITUE
41		UNITS	DATE DATE DATE		UNITS	DATE DATE DATE	
87			10/2			10/2	
87		Time	1045		Time	1053	
88	1. FLOW RATE	mgd	0.233	1. FLOW RATE	mgd	0.452	1. FLOW RATE
20	2. SPECIFIC CONDUCTANCE	umhos	2260	2. SPECIFIC CONDUCTANCE	umhos	2470	2. SPECIFIC CONDUCTAN
800	3. pH	units	7.84	3. pH	units	8.05	3. pH
64	4. CHLORINE RESIDUAL	mg/l	ND	4. CHLORINE RESIDUAL	mg/l	ND	4. CHLORINE RESIDUAL
17	5. TURBIDITY	NTU	1.05	5. TURBIDITY	NTU	2.88	5. TURBIDITY
307	6. Total/Fecal Coliform 100ml	MPN	500/130	6. Total/Fecal Coliform 100ml	MPN	50000/2100	6. Total/Fecal Coliform 100
98			Geo Metric -			Geo Metric -	
61	7. AMMONIA NITROGEN [AS N]	mg/l	ND	7. AMMONIA NITROGEN [AS N]	mg/l	0.18	7. AMMONIA NITROGEN I
29	8. NITRATE [AS N]	mg/l	0.1	8. NITRATE [AS N]	mg/l	0.99	8. NITRATE [AS N]
61	9. TOTAL NITROGEN [AS N]	mg/l	0.78	9. TOTAL NITROGEN [AS N]	mg/l	2.54	9. TOTAL NITROGEN [AS
89	10. TOTAL PHOSPHORUS	mg/l	0.074	10. TOTAL PHOSPHORUS	mg/l	0.076	10. TOTAL PHOSPHORUS
20	11. ORTHO PHOSPHATE	mg/l	0.05	11. ORTHO PHOSPHATE	mg/l	0.041	11. ORTHO PHOSPHATE
71	12. GENERAL PLANKTON**		See Attachments	12. GENERAL PLANKTON**		See Attachments	12. GENERAL PLANKTON
48	13. TRANSPARENCY	Seci Disc	B/B	13. TRANSPARENCY	Seci Disc	B/B	13. TRANSPARENCY
88	14. TOTAL DISSOLVED SOLIDS	mg/l	1413	14. TOTAL DISSOLVED SOLIDS	mg/l	1544	14. TOTAL DISSOLVED SOI
800	15. DISSOLVED OXYGEN	mg/l	4.48	15. DISSOLVED OXYGEN	mg/l	9.67	15. DISSOLVED OXYGEN
113	16. TEMPERATURE	deg. C	21.4	16. TEMPERATURE	deg. C	23.6	16. TEMPERATURE
35	* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.			* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.			* Biweekly between April 1 and
100	** General Plankton is taken with 25 mesh plankton net.			** General Plankton is taken with 25 mesh plankton net.			** General Plankton is taken wit
04	ND - Non-detected			ND - Non-detected			ND - Non-detected
113	Revised 6/98			Revised 6/98			Revised 6/98
80							
49							
112							
75							
130							

DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Oct. 00	SAMPLE TYPE: GRAB	REPORT DATE: Oct. 00	SAMPLE TYPE: GRAB	REPORT DATE: Oct. 00	SAMPLE TYPE: GRAB
WEEKLY/MONTHLY *	REPORT DUE: 11/30/00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 11/30/00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: 11/30/00
R,N, & D.D.	REPORT FREQUENCY: MONTHLY	COLLECTED BY: R,N, & D.D.	REPORT FREQUENCY: MONTHLY	COLLECTED BY: R,N, & D.D.	REPORT FREQUENCY: MONTHLY
LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
#3 Mast Blvd. Bridge	SIGNED BY:	SAMPLE POINT: #4 Old Mission Dam	SIGNED BY:	SAMPLE POINT: #5 Mission Ponds	SIGNED BY:
WATER SAMPLING AND ANALYSIS REQUIREMENTS		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS	
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60	
SAMPLE RESULTS		CONSTITUENTS		CONSTITUENTS	
UNITS	DATE	DATE	DATE	UNITS	DATE
	10/2				10/2
Time	1108			Time	1120
mgd	0.775			mgd	0.969
CE	umhos	2370		umhos	2410
	units	7.64		units	7.65
	mg/l	ND		mg/l	ND
	NTU	2.69		NTU	1.53
ml	MPN	3000/70		MPN	5000/<20
Geo Metric -		Geo Metric -		Geo Metric -	
[AS N]	mg/l	ND		7. AMMONIA NITROGEN [AS N]	mg/l
	mg/l	0.16		8. NITRATE [AS N]	mg/l
N]	mg/l	0.83		9. TOTAL NITROGEN [AS N]	mg/l
	mg/l	0.194		10. TOTAL PHOSPHORUS	mg/l
	mg/l	0.141		11. ORTHO PHOSPHATE	mg/l
See Attachments		See Attachments		See Attachments	
	Secd Disc	B/B		12. GENERAL PLANKTON**	
	mg/l	1481		13. TRANSPARENCY	Secd Disc
LIDS	mg/l	3.8		14. TOTAL DISSOLVED SOLIDS	mg/l
	deg. C	20.6		15. DISSOLVED OXYGEN	mg/l
				16. TEMPERATURE	deg. C

* October 1, Monthly between October 2 and March 31.

th 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

TER DISTRICT
ATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

DATE: Oct. 00			SAMPLE TYPE: GRAB			REPORT DATE: Oct. 00			SAMPLE TYPE: GRAB			REPORT DATE: Oct. 00		
DUE: 11/30/00			SAMPLE FREQUENCY: BIWEEKLY/MONTHLY*			REPORT DUE: 11/30/00			REPORT DUE: MONTHLY			TITLE: Water Recycling Superintendent		
REQUENCY: MONTHLY			COLLECTED BY: R.N. & D.D.			REPORT FREQUENCY: MONTHLY			REPORT FREQUENCY: 3X/WEEK			SIGN BY:		
Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			PLANT RAW SLUDGE BOD MRP. 98-60					
Y:			SAMPLE POINT: #6 Fashion Valley Rd.			SIGNED BY:			DATE			BOD mg/l		
SIS REQUIREMENTS			RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS						1			UNITS		
CT MRP No. 98-60			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						2			5,535		
SAMPLE RESULTS			CONSTITUENTS			SAMPLE RESULTS			3			MG/L		
DATE	DATE	DATE			UNITS	DATE	DATE	DATE	4			10,499		
10/2					Time	10/2			5			MG/L		
1158					mgd	1219			6			10,600		
0.11			1. FLOW RATE		umhos	0.562			7			MG/L		
3790			2. SPECIFIC CONDUCTANCE		units	3510			8			MG/L		
7.93			3. pH		mg/l	7.84			9			10,885		
ND			4. CHLORINE RESIDUAL		mg/l	ND			10			MG/L		
2.73			5. TURBIDITY		NTU	2.02			11			MG/L		
800/20			6. Total/Fecal Coliform 100ml		MPN	5000/500			12			MG/L		
Geo Metric -						Geo Metric -			13			8,565		
ND			7. AMMONIA NITROGEN [AS N]		mg/l	ND			14			MG/L		
ND			8. NITRATE [AS N]		mg/l	ND			15			MG/L		
1.13			9. TOTAL NITROGEN [AS N]		mg/l	1.14			16			17,920		
0.374			10. TOTAL PHOSPHORUS		mg/l	0.245			17			MG/L		
0.302			11. ORTHO PHOSPHATE		mg/l	0.163			18			6,269		
See Attachments			12. GENERAL PLANKTON**		—	See Attachments			19			MG/L		
B/B			13. TRANSPARENCY		Secchi Disc	B/B			20			7,900		
2369			14. TOTAL DISSOLVED SOLIDS		mg/l	2194			21			MG/L		
1.07			15. DISSOLVED OXYGEN		mg/l	3.53			22			MG/L		
23.4			16. TEMPERATURE		deg. C	23.3			23			2,491		
rch 31.			* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.						24			MG/L		
			** General Plankton is taken with 25 mesh plankton net.						25			MG/L		
			ND - Non-detected						26			MG/L		
			Revised 6/98						27			15,700		
									28			MG/L		
									29			MG/L		
									30			7,407		
									31			MG/L		
									AVG.			9,434		
												MG/L		

Revised 6/98

Sep 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Sept. 00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Sept. 00				SAMPLE TYPE: GRAB & COMPOSITE							
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: R.N. & D.D.							
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White							
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								REPORT FREQUENCY: MONTHLY INFLUENT AND EFFLUENT SAMPLING A PADRE DAM MUNICIPAL WA							
DATE	BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE	TSS mg/l	Comp./ Grab	pH am./ Grab pm./ Grab		Specific Conductance (umhos/cm) am. / Grab pm. / Grab											
1	294		455		2.1064		1	143	Comp.	7.24	7.19	1381 1401											
2					2.0754		2	282	Comp.	7.24	7.31	1335 1462											
3					2.0413		3	406	Comp.	7.25	7.35	1313 1587											
4	222		664		2.1003		4	465	Comp.	7.28	7.01	1351 1439											
5					2.1043		5	281	Comp.	7.17	7.16	1374 1350											
6	341		653		2.1055		6	306	Comp.	7.15	7.18	1396 1395											
					1.8103		7	299	Comp.	7.15	7.2	1306 1393											
8	217		601		2.0898		8	282	Comp.	7.24	7.35	1333 1386											
9					2.073		9	383	Comp.	7.31	7.33	1291 1642											
10					2.085		10	459	Comp.	7.18	7.29	1309 1635											
11	291		709		2.1015		11	257	Comp.	7.15	7.21	1311 1369											
12					2.1138		12	235	Comp.	7.20	7.24	1347 1426											
13	357		962		2.1221		13	531	Comp.	7.04	7.19	1290 1403											
14					2.1167		14	537	Comp.	7.32	7.59	1266 1591											
15	355		863		2.1279		15	306	Comp.	7.17	7.13	1363 1391											
16					2.0872		16	371	Comp.	7.26	7.25	1288 1518											
17					2.0908		17	347	Comp.	7.37	7.24	1352 1349											
18	223		586		2.0942		18	218	Comp.	7.07	7.56	1350 1404											
19					2.1196		19	282	Comp.	7.22	7.53	1350 1413											
20	244		512		2.1077		20	183	Comp.	7.25	7.59	1353 1344											
21					2.0962		21	252	Comp.	7.23	7.35	1311 1359											
22	223		753		2.1189		22	277	Comp.	7.23	7.39	1396 1381											
23					2.0769		23	337	Comp.	7.41	7.45	1363 1460											
24					2.1003		24	309	Comp.	7.32	7.34	1339 1375											
25	243		817		2.0913		25	232	Comp.	7.27	7.40	1341 1420											
26					1.9166		26	251	Comp.	7.26	7.37	1345 1374											
27	210		683		1.8261		27	242	Comp.	7.28	7.58	1385 1352											
28					1.8841		28	353	Comp.	7.17	7.56	1371 1398											
29	232		668		1.8935		29	207	Comp.	7.27	7.40	1090 1355											
30					1.8098		30	343	Comp.	7.23	7.31	1227 1320											
																SAMPLE LOCATION: LAKE # 1 Eff.							
																EFFLUENT CONSTITUENTS							
																1. Ammonia Nitrogen (GRAB)							
AVG.								266 BOD mg/l		687 COD mg/l		2.0496 FLOW MGD		AVG.		313 Mg/l		7.23 7.34		1328 1423		3. Total Phosphorus (COMPOSITE)	

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0 mg
Oct. 1st thru March 31st Max. Daily limit 10 mg

**PALM BEACH WATER DISTRICT
SEWER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Sept. 00				SAMPLE TYPE: Composite				REPORT DATE: Sept. 00				SAMPLE TYPE: Composite				REPORT DATE: Sept. 00			
REPORT DUE: 31-Oct-00				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
NO ANALYSIS REQUIREMENTS SEWER DISTRICT MRP. 98-60				DATE	Cl2 Residual ug/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Composite		TOTAL SUSPENDED SOLIDS mg./l / Composite		FLOW MGD			
DATE:				1	<2	1.09	2.20	24.5	7.12	<2/<2	2		1039		0.8		1.0		
				2	<2	0.95			7.15	<2/<2	3		932		2.0		1.6		
				3	<2	0.91			7.19	<2/<2	4		979		2.5		1.0		
UNITS RESULTS				4	<2	0.95	2.10	13.5	7.15	<2/<2	5		1036		1.3		1.0		
				5	<2	0.87			7.21	<2/<2	6		1037		0.9		1.0		
				6	<2	0.86	2.70	21.0	7.31	<2/<2	7		920		3.1		0.9		
mg/l				7	<2	0.74			7.27	<2/<2	8		1055		1.1		1.4		
				8	<2	1.60	3.70	12.5	7.18	<2/<2	9		1410		1.3		0.9		
				9	<2	1.00			7.30	<2/<2	10		924		1.5		0.9		
LIMITS RESULTS				10	<2	0.85			7.16	<2/<2	11		906		1.1		0.9		
				11	<2	1.16	<2	0.0	7.32	<2/<2	12		1058		1.2		1.4		
				12	<2	1.09			7.27	<2/<2	13		974		1.8		0.9		
.940 lbs.				13	<2	0.93	<2	13.5	7.28	<2/<2	14		890		1.5		0.9		
				14	<2	1.14			7.22	<2/<2	15		953		1.7		0.9		
				15	<2	1.26	<2	15.0	7.32	<2/<2	16		967		1.8		0.9		
5.64 lbs.				16	<2	1.15			7.32	<2/<2	17		934		1.1		1.8		
				17	<2	1.11			7.30	<2/<2	18		1035		1.8		1.1		
				18	<2	1.12	<2	8.0	7.19	<2/<2	19		929		0.7		1.0		
2.74 lbs.				19	<2	1.33			7.26	<2/<2	20		935		1.5		0.9		
				20	<2	1.13	<2	18.0	7.22	<2/<2	21		985		1.2		1.1		
				21	<2	0.93			7.29	<2/<2	22		998		1.2		1.3		
9/5/00				22	<2	0.95	<2	17.0	7.25	<2/<2	23		1089		1.1		1.6		
				23	<2	1.37			7.29	<2/<2	24		943		2.0		1.4		
				24	<2	1.63			7.23	<2/<2	25		974		4.6		1.2		
9/18/00				25	<2	0.95	<2	22.0	7.34	<2/<2	26		992		1.5		1.2		
				26	<2	1.08			7.20	<2/<2	27		1052		0.1		1.0		
				27	<2	1.01	<2	16.0	7.32	<2/<2	28		919		1.9		0.9		
9/25/00				28	<2	0.75			7.23	<2/<2	29		932		1.3		1.0		
				29	<2	0.77	<2	49.0	7.30	<2/<2	30		965		0.8		0.9		
				30	<2	0.65			7.25	<2/<2			890		0.6		1.5		
26.13 lbs.				AVG.	<2	1.04	2.68	17.7	7.25		AVG.	988		1.5		1.16			
				DATE	LIMITS	UNITS	RESULTS												
				0.5/1.0	mg/l	ND	0.215												
				AVG.	<2	1.04	2.68	17.7	7.25				988		1.5	1.16			
																14.57 lbs.			

26.02 lbs. 171.90 lbs.

14.57 lbs.

DATE	LIMITS	RESULTS
9/5/00	*	3.39
9/11/00	*	0.91
9/18/00	*	1.49
9/25/00	*	1.07
9.05 lbs.	AVG.	1.72

mg/L Monthly Avg. limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

**PADRE
FACILI**

45

DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Sept. 00					SAMPLE TYPE: GRAB					REPORT DATE: Sept. 00					SAMPLE TYPE: GRAB					REPORT DATE: Sept. 00									
WEEKLY/MONTHLY *					REPORT DUE: 31-Oct-00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *					REPORT DUE: 31-Oct-00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *					REPORT DUE: 31-Oct-00				
R.N, & D.D.					REPORT FREQUENCY: MONTHLY					COLLECTED BY: R.N, & D.D.					REPORT FREQUENCY: MONTHLY					COLLECTED BY: R.N, & D.D.					REPORT FREQUENCY: MONTHLY				
LAB & D. White					TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White					TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White					TITLE: Water Recycling Superintendent				
#3 Mast Blvd. Bridge					SIGNED BY:					SAMPLE POINT: #4 Old Mission Dam					SIGNED BY:					SAMPLE POINT: #5 Mission Ponds					SIGNED BY:				
WATER SAMPLING AND ANALYSIS REQUIREMENTS										RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS										RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS									
DAM MUNICIPAL WATER DISTRICT MRP No. 98-60										PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60										PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60									
UNITS		SAMPLE RESULTS				CONSTITUENTS				UNITS		SAMPLE RESULTS				CONSTITUENTS				UNITS									
	UNITS	DATE	DATE	DATE						UNITS	DATE	DATE	DATE							UNITS									
		9/5	9/19								9/5	9/19																	
	Time	0905	0830							Time	0916	0845								Time									
	mgd	0.299	0.659							mgd	2.01	0.198								mgd									
CE	umhos	2400	2230				1. FLOW RATE			umhos	2740	2500					1. FLOW RATE			umhos									
	units	7.65	7.48				2. SPECIFIC CONDUCTANCE			units	7.70	7.56					2. SPECIFIC CONDUCTANCE			units									
	mg/l	ND	ND				3. pH			mg/l	ND	ND					3. pH			mg/l									
	NTU	2.94	2.91				4. CHLORINE RESIDUAL			NTU	0.887	4.45					4. CHLORINE RESIDUAL			NTU									
ml	MPN	9000/800	5000/500				5. TURBIDITY			MPN	800/20	1400/40					5. TURBIDITY			MPN									
		Geo Metric - 6708/632									Geo Metric - 1058/28																		
[AS N]	mg/l	ND	ND				6. AMMONIA NITROGEN [AS N]			mg/l	ND	0.96					7. AMMONIA NITROGEN [AS N]			mg/l									
	mg/l	0.14	0.07				8. NITRATE [AS N]			mg/l	ND	ND					8. NITRATE [AS N]			mg/l									
N]	mg/l	1.04	0.99				9. TOTAL NITROGEN [AS N]			mg/l	1.08	2.18					9. TOTAL NITROGEN [AS N]			mg/l									
	mg/l	0.208	0.241				10. TOTAL PHOSPHORUS			mg/l	0.153	0.220					10. TOTAL PHOSPHORUS			mg/l									
	mg/l	0.148	0.169				11. ORTHO PHOSPHATE			mg/l	0.112	0.181					11. ORTHO PHOSPHATE			mg/l									
**	See Attachments						12. GENERAL PLANKTON**			See Attachments						12. GENERAL PLANKTON**													
	Secchi Disc	B/B	B/B				13. TRANSPARENCY			Secchi Disc	B/B	B/B					13. TRANSPARENCY			Secchi Disc									
SOLIDS	mg/l	1713	1394				14. TOTAL DISSOLVED SOLIDS			mg/l	1563	1713					14. TOTAL DISSOLVED SOLIDS			mg/l									
	mg/l	3.74	3.13				15. DISSOLVED OXYGEN			mg/l	4.68	2.72					15. DISSOLVED OXYGEN			mg/l									
	deg. C	18.8	21.2				16. TEMPERATURE			deg. C	18.9	21					16. TEMPERATURE			deg. C									

* October 1, Monthly between October 2 and March 31.
 th 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**WATER DISTRICT
TREATMENT PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Sept. 00			SAMPLE TYPE: GRAB			REPORT DATE: Sept. 00			SAMPLE TYPE: GRAB			REPORT DATE: Sept. 00		
DUE: 31-Oct-00			SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *			REPORT DUE: 31-Oct-00			REPORT DUE: MONTHLY			TITLE: Water Recycling Superintendent		
FREQUENCY: MONTHLY			COLLECTED BY: R.N. & D.D.			REPORT FREQUENCY: MONTHLY			REPORT FREQUENCY: 3X/WEEK			SIGN BY:		
Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			PLANT RAW SLUDGE BOD MRP. 98-60					
Y:			SAMPLE POINT: #6 Fashion Valley Rd.			SIGNED BY:			DATE					
ANALYSIS REQUIREMENTS			RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS						BOD mg/l					
FACT MRP No. 98-60			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60						UNITS					
SAMPLE RESULTS			CONSTITUENTS			SAMPLE RESULTS			DATE					
DATE	DATE	DATE		UNITS	DATE	DATE	DATE							
9/5	9/19				9/5	9/19			1	17,664		MG/L		
0944	0900			Time	1003	0931			2			MG/L		
0.031	0.005		1. FLOW RATE	mgd	0.633	0.528			3			MG/L		
3570	3630		2. SPECIFIC CONDUCTANCE	umhos	3430	3360			4	14,184		MG/L		
7.65	7.79		3. pH	units	7.78	7.78			5			MG/L		
ND	ND		4. CHLORINE RESIDUAL	mg/l	ND	ND			6	10,000		MG/L		
1.53	2.69		5. TURBIDITY	NTU	6.86	4.12			7			MG/L		
300/130	500/40		6. Total/Fecal Coliform 100ml	MPN	1700/1100	1700/1300			8	12,132		MG/L		
	Geo Metric - 387/72					Geo Metric - 1700/378			9			MG/L		
ND	ND		7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND			10			MG/L		
ND	ND		8. NITRATE [AS N]	mg/l	ND	ND			11	14,675		MG/L		
0.71	0.63		9. TOTAL NITROGEN [AS N]	mg/l	0.64	0.62			12			MG/L		
0.308	0.414		10. TOTAL PHOSPHORUS	mg/l	0.295	0.258			13	17,542		MG/L		
0.234	0.386		11. ORTHO PHOSPHATE	mg/l	0.146	0.185			14			MG/L		
	See Attachments		12. GENERAL PLANKTON**	---		See Attachments			15	18,600		MG/L		
B/B	B/B		13. TRANSPARENCY	Secchi Disc	B/B	B/B			16			MG/L		
2231	2269		14. TOTAL DISSOLVED SOLIDS	mg/l	2144	2100			17			MG/L		
2.13	1.09		15. DISSOLVED OXYGEN	mg/l	3.19	2.57			18	13,671		MG/L		
20.9	23.3		16. TEMPERATURE	deg. C	22.4	24.0			19			MG/L		
									20	11,300		MG/L		
									21			MG/L		
									22	14,800		MG/L		
									23			MG/L		
									24			MG/L		
									25	12,476		MG/L		
									26			MG/L		
									27	11,200		MG/L		
									28			MG/L		
									29	7,900		MG/L		
									30			MG/L		
									AVG.	13,550		MG/L		

March 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

Revised 6/98

Aug 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Aug. 00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Aug. 00				SAMPLE TYPE: GRAB & COMPOSITE									
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: D.D.									
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White									
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								REPORT FREQUENCY: MONTHLY									
DATE		BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE		TSS mg/l		Comp./ Grab		pH am./ Grab pm./ Grab		Specific Conductance (umhos/cm) am. / Grab pm. / Grab		INFLUENT AND EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
1						2.1413		1		296		Comp.		7.15 7.59		1374 1527		PADRE DAM MUNICIPAL WATER TREATMENT PLANT							
2		298		622		2.2861		2		274		Comp.		7.17 7.41		1377 1464		SAMPLE LOCATION: RAW INFLUENT							
3						2.3381		3		253		Comp.		7.20 7.49		1420 1533									
4		218		519		2.3565		4		203		Comp.		7.21 7.33		1388 1521									
5						2.3218		5		320		Comp.		7.22 7.31		1383 1547		INFLUENT CONSTITUENTS							
6						2.3061		6		310		Comp.		7.23 7.31		1310 1645		1. Ammonia Nitrogen (GRAB)							
7		311		722		2.3115		7		282		Comp.		7.30 7.15		1395 1453		2. Total Nitrogen (COMPOSITE)							
8						2.3360		8		287		Comp.		7.28 7.34		1365 1481		3. Total Phosphorus (COMPOSITE)							
9		228		537		2.3419		9		305		Comp.		6.88 7.13		1298 1437		SAMPLE LOCATION: C12 Contact Chamber							
10						2.2953		10		113		Comp.		7.12 7.36		1333 1432		EFFLUENT CONSTITUENTS							
11		206		424		2.3452		11		136		Comp.		7.14 7.23		1354 1466		1. Color (Composite)							
12						2.3083		12		365		Comp.		7.26 7.32		1317 1519		2. MBAS (Composite) 1.28							
13						2.2752		13		253		Comp.		7.29 7.38		1396 1593		3. % Sodium (Composite)							
14		285		480		2.3738		14		193		Comp.		7.15 7.15		1424 1451		4. Ammonia Nitrogen (Grab)							
15						2.3347		15		216		Comp.		7.20 7.49		1346 1409		5. Grease & Oil (COMPOSITE) ND							
16		249		473		2.3664		16		161		Comp.		7.15 7.40		1355 1450		6. Total Phosphorus (COMPOSITE) 0.56							
17						2.3660		17		130		Comp.		7.18 7.40		1327 1504		7. Total Dissolved Solids (COMPOSITE) 5626.52							
18		371		250		2.3159		18		209		Comp.		7.14 7.22		1317 1412		SAMPLE LOCATION: C12 Contact Chamber							
19						2.2722		19		264		Comp.		7.17 7.16		1363 1407									
20						2.2715		20		249		Comp.		7.11 7.26		1355 1878									
21		228		174		2.2945		21		176		Comp.		7.17 7.09		1391 1475		Weekly Total Nitrogen Samples							
22						2.3242		22		139		Comp.		7.14 7.34		1357 1415		#1 Total Nitrogen (Composite)							
23		277		202		2.3508		23		208		Comp.		7.26 7.63		1328 1422		#2 Total Nitrogen (Composite)							
24						2.3435		24		312		Comp.		7.41 7.00		1419 1402		#3 Total Nitrogen (Composite)							
25		376		221		2.3245		25		301		Comp.		7.16 7.36		1296 1406		#4 Total Nitrogen (Composite)							
26						2.2868		26		290		Comp.		7.27 7.38		1336 1599		#5 Total Nitrogen (Composite)							
27						2.2683		27		307		Comp.		7.37 7.23		1364 1593		SAMPLE LOCATION: LAKE # 1 Eff.							
28		359		231		2.7652		28		246		Comp.		7.35 7.33		1388 1352									
29						2.3249		29		160		Comp.		7.26 7.33		1396 1389									
30		253		184		2.2957		30		219		Comp.		7.30 7.54		1397 1432		EFFLUENT CONSTITUENTS							
31						2.3357		31		270		Comp.		7.28 7.37		1381 1378		1. Ammonia Nitrogen (GRAB)							
AVG.		281 BOD mg/l		388 COD mg/l		2.3283 FLOW MGD		AVG.		240 Mg/l				7.21 7.32		1363 1484		3. Total Phosphorus (COMPOSITE)							

72.1779 Total Flow

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0
Oct. 1st thru March 31st Max. Daily limit 10 mg

**AL WATER DISTRICT
R RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Aug. 00				SAMPLE TYPE: Composite				REPORT DATE: Aug. 00				SAMPLE TYPE: Composite				REPORT DATE: Aug. 00			
REPORT DUE: Sept. 30th, 00				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
ND ANALYSIS REQUIREMENTS ER DISTRICT MRP. 98-60				DATE	Cl2 Residual mg/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Composite		TOTAL SUSPENDED SOLIDS mg./l/ Composite		FLOW MG			
				1	ND	1.24			7.27	<2/<2	2	996		1.8		0.7			
				2	ND	1.16	2.02	12	7.12	<2/<2	3	942		1.8		1.0			
				3	ND	1.28			6.80	<2/<2	4	1001		0.3		0.9			
DATE: 8/7/00				4	ND	1.14	1.60	15	7.32	<2/<2	5	1060		2.0		0.8			
UNITS				5	ND	0.90			7.23	<2/<2	6	1119		1.8		1.1			
RESULTS				6	ND	0.87			7.20	<2/<2	7	1178		0.8		0.8			
				7	ND	0.87	1.70	18	7.32	<2/<2	8	1237		1.1		0.8			
				8	ND	0.87			7.29	<2/<2	9	1296		0.5		0.9			
				9	ND	1.13			7.29	<2/<2	10	1355		0.6		0.9			
DATE 8/7/00				10	ND	0.91	1.30	9	7.15	<2/<2	11	1414		0.4		0.8			
LIMITS				11	ND	0.84			7.21	<2/<2	12	1473		1.2		0.8			
UNITS				12	ND	1.01	3.70	18	7.16	<2/<2	13	1532		1.7		0.9			
RESULTS				13	ND	1.16			7.31	<2/<2	14	1591		1.1		0.9			
20				14	ND	0.99			7.23	<2/<2	15	1650		1.0		0.9			
lbs. 0.5				15	ND	0.99	1.90	15	7.36	<2/<2	16	1709		1.7		1.0			
60				16	ND	1.14			7.29	<2/<2	17	1768		1.6		0.9			
				17	ND	0.97	2.90	18	7.25	<2/<2	18	1827		1.5		1.0			
				18	ND	0.99			7.32	<2/<2	19	1886		1.9		0.9			
				19	ND	1.13	2.00	20	7.16	<2/<2	20	1945		2.0		0.9			
				20	ND	1.09			7.10	<2/<2	21	2004		0.6		0.9			
				21	ND	1.14			7.32	<2/<2	22	2063		1.1		1.0			
				22	ND	1.11	1.20	17	7.30	<2/<2	23	2122		1.1		1.0			
				23	ND	1.18			7.26	<2/<2	24	2181		1.2		0.9			
				24	ND	1.00	1.68	21	7.22	<2/<2	25	2240		1.4		0.9			
				25	ND	1.18			7.24	<2/<2	26	2299		1.8		0.9			
				26	ND	1.35	3.93	6	7.18	<2/<2	27	2358		2.1		0.9			
17.66 lbs.				27	ND	1.17			7.19	<2/<2	28	2417		2.1		0.9			
				28	ND	1.21			7.23	<2/<2	29	2476		1.7		1.1			
				29	ND	1.21	3.80	24	7.34	<2/<2	30	2535		1.8		1.1			
				30	ND	0.94			7.23	<2/<2	31	2594		2.2		1.1			
				31	ND	0.94	4.11	31	7.25	<2/<2	31	2653		1.4		1.0			
				AVG.	<2	1.07	2.45	17	7.23		AVG.	1772 umhos		1.4 MG/L		0.9624			
																12.36 lbs.			

19.66 Lbs. 138.31 Lbs.

DATE	LIMITS	RESULTS
8/7/00	*	2.40
8/14/00	*	2.76
8/21/00	*	2.25
8/28/00	*	2.13
	*	
19.14 lbs.	AVG.	2.39

mg/L Monthly Avg. Limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Aug. 00				SAMPLE TYPE: GRAB				REPORT DATE: Aug. 00				SAMPLE TYPE: GRAB			
WEEKLY/MONTHLY *				REPORT DUE: Sept. 30th, 00				SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *				REPORT DUE: Sept. 30th, 00			
RN, DD				REPORT FREQUENCY: MONTHLY				COLLECTED BY: RN, DD				REPORT FREQUENCY: MONTHLY			
LAB & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent			
#3 Mast Blvd. Bridge				SIGNED BY:				#4 Old Mission Dam				SIGNED BY:			
WATER SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			
DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			
SAMPLE RESULTS				CONSTITUENTS				SAMPLE RESULTS				CONSTITUENTS			
UNITS	UNITS	DATE	DATE	DATE	UNITS	UNITS	DATE	DATE	DATE	UNITS	UNITS	DATE	DATE	DATE	UNITS
		8/7/00	8/21/00				8/7/00	8/21/00				8/7/00	8/21/00		
	Time	1000	0910			Time	1015	0930			Time	1015	0930		Time
	mgd	0.342	0.551		1. FLOW RATE	mgd	0.115	0.049		1. FLOW RATE	mgd	0.115	0.049		mgd
CE	umhos	2620	2690		2. SPECIFIC CONDUCTANCE	umhos	2520	2690		2. SPECIFIC CONDUCTANCE	umhos	2520	2690		umhos
	units	7.61	7.62		3. pH	units	7.65	7.56		3. pH	units	7.65	7.56		units
	mg/l	ND	ND		4. CHLORINE RESIDUAL	mg/l	ND	ND		4. CHLORINE RESIDUAL	mg/l	ND	ND		mg/l
	NTU	2.96	2.75		5. TURBIDITY	NTU	0.669	0.819		5. TURBIDITY	NTU	0.669	0.819		NTU
ml	MPN	1400/70	9000/130		6. Total/Fecal Coliform 100ml	MPN	600/40	230/<20		6. Total/Fecal Coliform 100ml	MPN	600/40	230/<20		MPN
		Geo Metric - 3549/95					Geo Metric - 371/<28					Geo Metric - 371/<28			
[AS N]	mg/l	0.42	ND		7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND		7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND		mg/l
	mg/l	ND	0.07		8. NITRATE [AS N]	mg/l	ND	ND		8. NITRATE [AS N]	mg/l	ND	ND		mg/l
N]	mg/l	0.590	1.73		9. TOTAL NITROGEN [AS N]	mg/l	0.88	2.21		9. TOTAL NITROGEN [AS N]	mg/l	0.88	2.21		mg/l
	mg/l	0.195	0.224		10. TOTAL PHOSPHORUS	mg/l	0.285	0.298		10. TOTAL PHOSPHORUS	mg/l	0.285	0.298		mg/l
	mg/l	0.16	0.177		11. ORTHO PHOSPHATE	mg/l	0.256	0.223		11. ORTHO PHOSPHATE	mg/l	0.256	0.223		mg/l
**	----	See Attachments			12. GENERAL PLANKTON**	----	See Attachments			12. GENERAL PLANKTON**	----	See Attachments			----
	Seci Disc	B/B	B/B		13. TRANSPARENCY	Seci Disc	B/B	B/B		13. TRANSPARENCY	Seci Disc	B/B	B/B		Seci Disc
SOLIDS	mg/l	1638	1681		14. TOTAL DISSOLVED SOLIDS	mg/l	1575	1681		14. TOTAL DISSOLVED SOLIDS	mg/l	1575	1681		mg/l
	mg/l	3.90	3.36		15. DISSOLVED OXYGEN	mg/l	4.08	2.38		15. DISSOLVED OXYGEN	mg/l	4.08	2.38		mg/l
	deg. C	21.8	21.5		16. TEMPERATURE	deg. C	23.4	23.6		16. TEMPERATURE	deg. C	23.4	23.6		deg. C

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

**WATER DISTRICT
TREATMENT PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Aug. 00	SAMPLE TYPE: GRAB	REPORT DATE: Aug. 00	SAMPLE TYPE: GRAB	REPORT DATE: Aug. 00
DUE: Sept. 30th, 00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Sept. 30th, 00	REPORT DUE: MONTHLY	TITLE: Water Recycling Superintendent
FREQUENCY: MONTHLY	COLLECTED BY: RN, DD	REPORT FREQUENCY: MONTHLY	REPORT FREQUENCY: 3X/WEEK	SIGN BY:
Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White.	TITLE: Water Recycling Superintendent	PLANT RAW SLUDGE BOD MRP. 98-60	
Y:	SAMPLE POINT: #6 Fashion Valley Rd.	SIGNED BY:	DATE	BOD mg/l
ANALYSIS REQUIREMENTS	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		1	MG/L
FACT MRP No. 98-60	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		2	9,503
SAMPLE RESULTS		CONSTITUENTS	3	MG/L
DATE	DATE	DATE	4	15,504
8/7/00	8/21/00	Time	5	MG/L
1045	0953	mgd	6	MG/L
0.043	0.018	1. FLOW RATE	7	13,956
3340	3530	2. SPECIFIC CONDUCTANCE	8	MG/L
7.68	7.74	3. pH	9	16,765
ND	ND	4. CHLORINE RESIDUAL	10	MG/L
1.39	1.37	5. TURBIDITY	11	13,007
1100/110	1100/40	6. Total/Fecal Coliform 100ml	12	MG/L
Geo Metric - 1100/66		MPN	13	MG/L
ND	ND	7. AMMONIA NITROGEN [AS N]	14	9,864
ND	ND	8. NITRATE [AS N]	15	MG/L
0.74	1.97	9. TOTAL NITROGEN [AS N]	16	5,247
0.316	0.285	10. TOTAL PHOSPHORUS	17	MG/L
0.256	0.223	11. ORTHO PHOSPHATE	18	15,037
See Attachments		12. GENERAL PLANKTON**	19	MG/L
B/B	B/B	13. TRANSPARENCY	20	MG/L
2087	2206	14. TOTAL DISSOLVED SOLIDS	21	13,536
0.80	1.77	15. DISSOLVED OXYGEN	22	MG/L
24.5	24.9	16. TEMPERATURE	23	16,100
See Attachments		deg. C	24	MG/L
See Attachments		deg. C	25	19,800
See Attachments		deg. C	26	MG/L
See Attachments		deg. C	27	MG/L
See Attachments		deg. C	28	9,037
See Attachments		deg. C	29	MG/L
See Attachments		deg. C	30	21,820
See Attachments		deg. C	31	MG/L
See Attachments		deg. C	AVG.	13,783
See Attachments		deg. C		MG/L

March 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

July 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Jul-00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Jul-00				SAMPLE TYPE: GRAB & COMPOSITE															
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: D.D.															
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White															
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								REPORT FREQUENCY: MONTHLY															
DATE		BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE		TSS mg/l		Comp./ Grab		pH am./ Grab pm./ Grab		Specific Conductance (umhos/cm) am. / Grab pm. / Grab		INFLUENT AND EFFLUENT SAMPLING AT PADRE DAM MUNICIPAL WATER RECLAMATION PLANT													
1						2.0774		1		206		Comp.		7.11 7.34		1499 1588		SAMPLE LOCATION: RAW INFLUENT													
2						2.1125		2		230		Comp.		7.26 7.00		1345 1359															
3		181		567.5		2.1578		3		204		Comp.		7.26 7.28		1370 1479															
4						2.0476		4		298		Comp.		7.11 7.13		1414 1459		INFLUENT CONSTITUENTS													
5		271		671.0		2.1198		5		318		Comp.		7.19 7.23		1431 1497															
6						2.1165		6		340		Comp.		7.22 7.18		1358 1457															
7		364		430.0		2.1143		7		271		Comp.		7.14 7.27		1344 1468		1. Ammonia Nitrogen (GRAB) 2. Total Nitrogen (COMPOSITE) 3. Total Phosphorus (COMPOSITE)													
8						2.0537		8		262		Comp.		7.03 7.30		1315 1585															
9						2.0456		9		259		Comp.		7.01 7.48		1353 1764															
10		243		635.5		2.0579		10		288		Comp.		7.20 7.13		1527 1548		SAMPLE LOCATION: C12 Contact Chamber													
11						2.0637		11		198		Comp.		7.00 7.27		1408 1438															
12		171		721.0		2.0950		12		315		Comp.		7.11 7.20		1399 1458															
13						2.0715		13		366		Comp.		7.15 7.12		1351 1511		EFFLUENT CONSTITUENTS													
14		249		613.5		2.2920		14		298		Comp.		7.27 7.29		1555 1435															
15						2.0398		15		247		Comp.		7.17 7.40		1367 1602															
16						2.1304		16		203		Comp.		7.32 7.38		1377 1641		1. Color (Composite) 2. MBAS (Composite) 0.434 3. % Sodium (Composite) 4. Ammonia Nitrogen (Grab) 5. Grease & Oil (COMPOSITE) 7.95 6. Total Phosphorus (COMPOSITE) 0.116 7. Total Dissolved Solids (COMPOSITE) 5276													
17		217		475.5		1.9878		17		198		Comp.		7.35 7.13		1342 1461															
18						2.0944		18		218		Comp.		7.12 7.16		1417 1535															
19		380		532.0		2.0452		19		197		Comp.		7.18 7.36		1340 1485		SAMPLE LOCATION: C12 Contact Chamber													
20						2.1243		20		234		Comp.		7.14 7.20		1331 1334															
21		403		855.5		2.3379		21		237		Comp.		7.21 7.16		1330 1402															
22						2.2944		22		391		Comp.		7.25 7.31		1207 1455		Weekly Total Nitrogen Samples													
23						2.3208		23		318		Comp.		7.30 7.23		1320 1376															
24		209		567.5		2.3164		24		199		Comp.		7.25 7.36		1324 1480															
25						2.3623		25		257		Comp.		7.03 7.15		1387 1567		#1 Total Nitrogen (Composite) #2 Total Nitrogen (Composite) #3 Total Nitrogen (Composite) #4 Total Nitrogen (Composite) #5 Total Nitrogen (Composite)													
26		258		668.0		2.3186		26		358		Comp.		7.17 7.35		1335 1476															
27						2.3477		27		331		Comp.		7.15 7.31		1379 1462															
28		309		650.0		2.3366		28		278		Comp.		7.10 7.13		1339 1521		SAMPLE LOCATION: LAKE # 1 Eff.													
29						2.3030		29		349		Comp.		7.25 7.15		1387 1307															
30						2.2937		30		356		Comp.		7.24 7.60		1325 1645															
31		345		608.5		2.3792		31		215		Comp.		7.10 6.97		1328 1651		EFFLUENT CONSTITUENTS													
AVG.		277		BOD mg/l		615.0		COD mg/l		2.1761		FLOW MGD		AVG.		272										Mg/l		7.17 7.24		1371 1498	

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0 mg/l
Oct 1st thru March 31st Max. Daily limit 10 mg/l

**AL WATER DISTRICT
R RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Jul-00				SAMPLE TYPE: Composite				REPORT DATE: Jul-00				SAMPLE TYPE: Composite				REPORT DATE: Jul-00			
REPORT DUE: Aug-31-00				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
ND ANALYSIS REQUIREMENTS ER DISTRICT MRP. 98-60				DATE	Cl2 Residual MG/L	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Composite	TOTAL SUSPENDED SOLIDS mg/l / Composite	FLOW MG					
				1	nd	0.97			7.31	<2/<2	1	935	1.8	1.0					
				2	nd	0.80			7.31	<2/<2	2	968	1.2	1.0					
				3	nd	0.95	1.70	19	7.27	<2/<2	3	1172	2.3	0.8					
DATE: 7/3/00				4	nd	1.14			7.08	<2/<2	4	959	2.0	0.9					
				5	nd	0.95	4.60	18.5	7.06	<2/<2	5	966	1.4	0.8					
				6	nd	0.86			6.89	<2/<2	6	1006	1.6	0.4					
				7	nd	0.97	1.20	15	7.11	<2/<2	7	982	ND	0.6					
				8	nd	1.21			7.1	<2/<2	8	1036	1.1	1.3					
DATE 7/3/00				9	nd	1.31			6.96	<2/<2	9	998	0.3	0.8					
				10	nd	1.27	2.50	16	7.09	<2/<2	10	1000	2.1	0.6					
				11	nd	1.77			7.08	<2/<2	11	1009	0.0	0.6					
				12	nd	1.65	2.60	21	7.19	<2/<2	12	1152	2.0	0.7					
				13	nd	1.25			7.05	<2/<2	13	1048	1.2	0.6					
				14	nd	1.56	1.90	14	7.04	<2/<2	14	928	1.9	0.7					
				15	0.2	1.28			7.14	<2/<2	15	1033	3.3	0.8					
				16	nd	1.29			7.18	<2/<2	16	980	2.3	1.2					
				17	nd	1.18	1.40	12	7.01	<2/<2	17	1011	1.4	0.6					
				18	nd	0.81			7.06	<2/<2	18	998	0.8	0.6					
				19	0.4	1.11	1.70	12	6.9	<2/<2	19	1008	1.4	0.5					
				20	nd	1.25			6.99	<2/<2	20	972	0.2	0.6					
				21	nd	1.15	1.50	14	6.82	<2/<2	21	1000	1.7	0.8					
				22	nd	1.16			7.14	<2/<2	22	1129	1.9	1.3					
				23	nd	1.11			7.11	<2/<2	23	984	1.9	1.0					
				24	nd	0.97	1.20	18	7.12	<2/<2	24	1019	1.8	0.9					
				25	nd	0.88			7.06	<2/<2	25	1012	0.4	0.9					
				26	nd	0.85	1.10	19	6.79	<2/<2	26	1247	1.2	0.9					
19.89 lbs.				27	nd	0.86			7.03	<2/<2	27	1107	2.0	0.9					
				28	nd	0.95	0.80	13	7.19	<2/<2	28	1019	1.4	0.9					
DATE 7/3/00				29	nd	0.85			7.25	<2/<2	29	1036	0.2	1.0					
				30	nd	0.84			7.18	<2/<2	30	1045	1.2	0.9					
				31	nd	0.94	4.30	12.5	7.12	<2/<2	31	1040	1.6	0.8					
				AVG.	<2	1.10	2.04	15.69	7.08		AVG.	1026 umhos	1.5 MG/L	0.8					
																14.74 Lbs.	113.40 Lbs.	10.84 Lbs.	

14.74 Lbs. 113.40 Lbs.

10.84 Lbs.

DATE	LIMITS	RESULTS
7/3/00	*	1.17
7/10/00	*	2.58
7/17/00	*	2.08
7/24/00	*	2.61
7/31/00	*	2.53
14.61 lbs.	AVG.	2.19

mg/L Monthly Avg. limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE
FACILI

	SAMPLE TYPE: GRAB	REPORT DATE: Jul-00	SAMPLE TYPE: GRAB	REPORT DATE: Jul-00	SAMPLE TYPE: GRAB
	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Aug-31-00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Aug-31-00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *
	COLLECTED BY:	REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY: MONTHLY	COLLECTED BY:
RATE	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White
3D	SAMPLE POINT: #1 Carlton Hills Blvd.	SIGNED BY:	SAMPLE POINT: #2 Forrester Creek	SIGNED BY:	SAMPLE POINT: #2 Forrester Creek
499	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS
250	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60
708	CONSTITUENTS		CONSTITUENTS		CONSTITUENTS
115	SAMPLE RESULTS		SAMPLE RESULTS		SAMPLE RESULTS
344		UNITS	DATE	DATE	DATE
963			7/10/00	7/24/00	
181		Time	0907	0850	
585	1. FLOW RATE	mgd	0.3	0.137	1. FLOW RATE
545	2. SPECIFIC CONDUCTANCE	umhos	2160	2090	2. SPECIFIC CONDUCTANCE
303	3. pH	units	7.72	7.8	3. pH
304	4. CHLORINE RESIDUAL	mg/l	ND	ND	4. CHLORINE RESIDUAL
204	5. TURBIDITY	NTU	1.03	0.787	5. TURBIDITY
282	6. Total/Fecal Coliform 100ml	MPN	300/<2	1300/<2	6. Total/Fecal Coliform 100ml
578			Geo Metric - 625/<20		Geo Metric - 2915/130
901	7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND	7. AMMONIA NITROGEN [AS N]
484	8. NITRATE [AS N]	mg/l	0.24	0.18	8. NITRATE [AS N]
455	9. TOTAL NITROGEN [AS N]	mg/l	0.85	0.69	9. TOTAL NITROGEN [AS N]
236	10. TOTAL PHOSPHORUS	mg/l	0.042	0.084	10. TOTAL PHOSPHORUS
738	11. ORTHO PHOSPHATE	mg/l	0.034	0.048	11. ORTHO PHOSPHATE
980	12. GENERAL PLANKTON**		See Attachment		See Attachment
939	13. TRANSPARENCY	Secchi Disc	B/B	B/B	13. TRANSPARENCY
594	14. TOTAL DISSOLVED SOLIDS	mg/l	1350	1306	14. TOTAL DISSOLVED SOLIDS
154	15. DISSOLVED OXYGEN	mg/l	3.7	3.29	15. DISSOLVED OXYGEN
362	16. TEMPERATURE	deg. C	22	22.5	16. TEMPERATURE
015	* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.				
798	** General Plankton is taken with 25 mesh plankton net.				
590	ND - Non-detected				
393					
922					
101					
517					
666					

DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Jul-00				SAMPLE TYPE: GRAB				REPORT DATE: Jul-00				SAMPLE TYPE: GRAB			
WEEKLY/MONTHLY * REPORT DUE: Aug-31-00				SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: Aug-31-00				SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: Aug-31-00				SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: Aug-31-00			
REPORT FREQUENCY: MONTHLY				COLLECTED BY:				REPORT FREQUENCY: MONTHLY				COLLECTED BY:			
LAB & D. White TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent			
#3 Mast Blvd. Bridge SIGNED BY:				SAMPLE POINT: #4 Old Mission Dam SIGNED BY:				SAMPLE POINT: #5 Mission Ponds SIGNED BY:				SAMPLE POINT: #5 Mission Ponds SIGNED BY:			
WATER SAMPLING AND ANALYSIS REQUIREMENTS DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			
SAMPLE RESULTS				CONSTITUENTS				SAMPLE RESULTS				CONSTITUENTS			
UNITS	UNITS	DATE	DATE	DATE	UNITS	UNITS	DATE	DATE	DATE	UNITS	UNITS	DATE	DATE	DATE	UNITS
		07/10/00	07/24/00				7/10/00	7/24/00				7/10/00	7/24/00		
	Time	0930	0909			Time	0951	0927			Time	0951	0927		Time
	mgd	0.753	0.392		1. FLOW RATE	mgd	0.662	0.198			mgd	0.662	0.198		mgd
CE	umhos	2470	2420		2. SPECIFIC CONDUCTANCE	umhos	2400	2460			umhos	2400	2460		umhos
	units	7.72	7.61		3. pH	units	7.89	7.68			units	7.89	7.68		units
	mg/l	ND	ND		4. CHLORINE RESIDUAL	mg/l	ND	ND			mg/l	ND	ND		mg/l
	NTU	3.25	3.29		5. TURBIDITY	NTU	2.33	1.24			NTU	2.33	1.24		NTU
ml	MPN	2400/40	2200/40		6. Total/Fecal Coliform 100ml	MPN	3000/<20	1400/<20			MPN	3000/<20	1400/<20		MPN
		Geo Metric - 2298/40					Geo Metric - 2049/<20					Geo Metric - 2049/<20			
[AS N]	mg/l	ND	ND		7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND			mg/l	ND	ND		mg/l
	mg/l	0.3	0.1		8. NITRATE [AS N]	mg/l	0.12	0.1			mg/l	0.12	0.1		mg/l
N]	mg/l	1.32	0.79		9. TOTAL NITROGEN [AS N]	mg/l	0.88	0.66			mg/l	0.88	0.66		mg/l
	mg/l	0.095	0.21		10. TOTAL PHOSPHORUS	mg/l	0.125	0.232			mg/l	0.125	0.232		mg/l
	mg/l	0.069	0.14		11. ORTHO PHOSPHATE	mg/l	0.105	0.182			mg/l	0.105	0.182		mg/l
**	---	See Attachment			12. GENERAL PLANKTON**	---	See Attachment				---	See Attachment			---
	Secchi Disc	B/B	B/B		13. TRANSPARENCY	Secchi Disc	B/B	B/B			Secchi Disc	B/B	B/B		Secchi Disc
SOLIDS	mg/l	1544	1513		14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1538			mg/l	1500	1538		mg/l
	mg/l	4.4	3.8		15. DISSOLVED OXYGEN	mg/l	6.05	1.4			mg/l	6.05	1.4		mg/l
	deg. C	20.3	21.1		16. TEMPERATURE	deg. C	21.6	20.1			deg. C	21.6	20.1		deg. C

* October 1, Monthly between October 2 and March 31.
th 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

**PER DISTRICT
ATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Jul-00	SAMPLE TYPE: GRAB	REPORT DATE: Jul-00	SAMPLE TYPE: GRAB	REPORT DATE: Jul-00
DUE:	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Aug-31-00	REPORT DUE: MONTHLY	TITLE: Water Recycling Superintendent
REQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY: MONTHLY	REPORT FREQUENCY: 3X/WEEK	SIGN BY:
Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	PLANT RAW SLUDGE BOD MRP. 98-60	
Y:	SAMPLE POINT: #6 Fashion Valley Rd.	SIGNED BY:	DATE	BOD mg/l
YSIS REQUIREMENTS	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		1	MG/L
ICT MRP No. 98-60	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		2	MG/L
SAMPLE RESULTS			3	1,317
DATE	DATE	UNITS	4	MG/L
7/10/00	7/24/00		5	21,121
1020	1000	Time	6	MG/L
0.037	0.034	1. FLOW RATE	7	24,659
2940	3050	mgd	8	MG/L
7.88	7.72	2. SPECIFIC CONDUCTANCE	9	MG/L
ND	ND	umhos	10	9,036
2.51	1.55	3. pH	11	MG/L
2200/<20	2400/40	units	12	9,185
Geo Metric - 2298/<28		4. CHLORINE RESIDUAL	13	MG/L
ND	ND	mg/l	14	38,202
0.11	0.05	5. TURBIDITY	15	MG/L
0.9	0.68	NTU	16	MG/L
0.129	0.278	6. Total/Fecal Coliform 100ml	17	11,952
0.109	0.222	MPN	18	MG/L
See Attachment		2400/800	19	46,594
B/B	B/B	500/170	20	MG/L
1838	1906	Geo Metric - 1095/310	21	51,085
2.42	1.4		22	MG/L
23.4	20.1		23	MG/L
16. TEMPERATURE			24	25,676
deg. C			25	MG/L
			26	42,562
			27	MG/L
			28	16,710
			29	MG/L
			30	MG/L
			31	15,280
			AVG.	24,106
				MG/L

sch 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

arch 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

June 00

PADRE DAM MUNICIPAL WATER DISTRICT
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PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Jun-00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Jun-00				SAMPLE TYPE: GRAB & COMPOSITE									
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: D.D.									
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White									
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								REPORT FREQUENCY: MONTHLY									
DATE		BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE		TSS mg/l		Comp./ Grab		pH am./ Grab pm./ Grab		Specific Conductance (umhos/cm) am. / Grab pm. / Grab		INFLUENT AND EFFLUENT SAMPLING A PADRE DAM MUNICIPAL WATER							
1		0		0		2.7601		1		233		Comp.		7.07 7.26		1307 1394		SAMPLE LOCATION: RAW INFLUENT INFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 2. Total Nitrogen (COMPOSITE) 3. Total Phosphorus (COMPOSITE)							
2		282		497.5		2.0358		2		272		Comp.		7.41 7.51		1292 1410									
3		0		0		2.0032		3		275		Comp.		7.22 7.06		1313 1293									
4		0		0		2.0615		4		210		Comp.		7.08 7.27		1323 1767		SAMPLE LOCATION: CI2 Contact Chamber EFFLUENT CONSTITUENTS 1. Color (Composite) 2. MBAS (Composite) 3. % Sodium (Composite) 4. Ammonia Nitrogen (Grab) 5. Grease & Oil (COMPOSITE) 6. Total Phosphorus (COMPOSITE) 7. Total Dissolved Solids (COMPOSITE)							
5		270		572.5		2.0352		5		201		Comp.		7.11 7.27		1298 1325									
6		0		0		2.1232		6		215		Comp.		7.23 7.21		1409 1401									
7		247		503.5		2.0467		7		220		Comp.		7.02 7.17		1280 1435		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
8		0		0		2.0444		8		244		Comp.		7.08 7.23		1331 1395									
9		256		382		2.0520		9		256		Comp.		7.17 7.14		1284 1362									
10		0		0		2.0405		10		305		Comp.		7.32 7.21		1292 1384		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
11		0		0		2.0525		11		246		Comp.		7.12 7.27		1268 1625									
12		255		512.5		2.1245		12		211		Comp.		7.06 7.13		1333 1521									
13		0		0		2.0992		13		271		Comp.		7.23 7.25		1455 1394		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
14		284		759.5		2.1001		14		342		Comp.		7.22 7.40		1420 1466									
15		0		0		2.1140		15		277		Comp.		7.22 7.22		1425 1389									
16		238		601.5		2.0930		16		248		Comp.		7.17 7.44		1394 1450		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
17		0		0		2.0933		17		271		Comp.		7.29 7.36		1358 1736									
18		0		0		2.1142		18		250		Comp.		7.36 7.31		1466 1498									
19		257		564.5		2.0950		19		238		Comp.		7.18 7.25		1573 1365		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
20		0		0		2.0148		20		219		Comp.		7.10 7.09		1367 1150									
21		266		465		2.2340		21		213		Comp.		7.14 7.10		1394 1269									
22		0		0		2.1333		22		226		Comp.		7.26 7.29		1487 1381		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
23		213		524		2.1079		23		188		Comp.		7.28 7.16		1439 1394									
24		0		0		2.0962		24		286		Comp.		7.18 7.39		1342 1640									
25		0		0		2.0825		25		299		Comp.		7.23 7.42		1350 1602		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
26		268		637		2.1267		26		257		Comp.		7.33 7.18		1442 1376									
27		0		0		2.1435		27		204		Comp.		7.11 7.30		1367 1468									
28		248		496.5		2.1206		28		189		Comp.		7.18 7.13		1330 1394		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
29		0		0		2.1465		29		191		Comp.		7.26 7.15		1303 1385									
30		198		527.5		2.1741		30		206		Comp.		7.15 7.19		1377 1344									
31		0		0		0.0000		31		0		Comp.						SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)							
AVG.		0 BOD mg/l		227 COD mg/l		375.8019 FLOW MGD		AVG.		234 Mg/l				7.19 7.25		1367 1434									

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0;
Oct. 1st thru March 31st Max. Daily limit 10 mg

**AL WATER DISTRICT
R RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

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FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Jun-00				SAMPLE TYPE: Composite				REPORT DATE: Jun-00				SAMPLE TYPE: Composite				REPORT DATE: Jun-00			
REPORT DUE: July 31st, 2000				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
ND ANALYSIS REQUIREMENTS ER DISTRICT MRP. 98-60				DATE	Cl2 Residual ug/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Composite	TOTAL SUSPENDED SOLIDS mg/l / Composite	FLOW MG					
				1	<2	1.01			0	<2/<2	2	1155	0.5	0.5					
				2	<2	0.99	2.07	18.5	6.93	<2/<2	3	1160	2.1	0.9					
				3	<2	0.77			7.2	<2/<2	4	1143	0.6	1.2					
DATE: 6/5/01				4	<2	0.74			7.21	<2/<2	5	1170	0.2	1.1					
UNITS				5	<2	0.80	1.60	19	7.1	<2/<2	6	1133	0.9	0.9					
RESULTS				6	<2	1.04			7.2	<2/<2	7	1115	1.1	1.1					
mg/l				7	<2	1.22	1.63	19	7.36	<2/<2	8	1132	1.4	0.6					
mg/l				8	<2	1.51			7.17	<2/<2	9	1144	1.2	1.1					
mg/l				9	<2	1.68	2.24	10.5	7.1	<2/<2	10	1179	2.0	0.5					
DATE: 6/5/01				10	<2	0.85			7.34	<2/<2	11	1172	1.0	1.1					
LIMITS				11	<2	1.15			7.39	<2/<2	12	1190	0.2	0.9					
20				12	<2	1.28	3.90	21	7.19	<2/<2	13	1204	0.6	0.9					
1.01 lbs.				13	<2	1.25			7.18	<2/<2	14	1180	2.5	0.8					
0.5				14	<2	1.74	2.38	16	7.27	<2/<2	15	1165	1.7	0.3					
60				15	<2	1.10			7.28	<2/<2	16	1315	2.5	1.2					
%				16	<2	1.42	3.20	27	7.29	<2/<2	17	1234	0.5	0.8					
mg/l				17	<2	1.16			7.24	<2/<2	18	1191	2.0	1.1					
ND				18	<2	1.20			7.4	<2/<2	19	1266	1.6	1.1					
0.3				19	<2	1.01	2.20	17	7.33	<2/<2	20	1287	1.3	0.8					
0.5/1.0				20	<2	0.83			7.26	<2/<2	21	1194	0.3	0.8					
0.118				21	<2	1.35	3.80	13	7.3	<2/<2	22	1183	1.8	0.8					
702				22	<2	1.31			6.97	<2/<2	23	1205	1.5	0.8					
				23	<2	1.33	1.87	9.5	7.23	<2/<2	24	1195	1.2	0.7					
				24	<2	1.11			7.29	<2/<2	25	1337	4.4	1.3					
				25	<2	1.18			7.35	<2/<2	26	1225	2.2	0.9					
				26	<2	1.25	3.70	14.5	7.47	<2/<2	27	1205	0.5	0.6					
24.67 lbs.				27	<2	1.36			7.22	<2/<2	28	1222	2.0	0.8					
AVG.				28	<2	1.35	1.70	20.5	7.28	<2/<2	29	1187	1.7	0.8					
DATE: 6/5/01				29	<2	1.37			7.36	<2/<2	30	1187	1.8	0.8					
LIMITS				30	<2	1.03	2.60	19.5	7.14	<2/<2	31	1151	0.6	0.9					
UNITS				31							AVG.	1194 umhos	1.4 MG/L	0.9159					
RESULTS				AVG.	<2	1.18	2.53	17.31	7.00	<2/<2									
mg/l																			
ND																			
0.183																			
0.5/1.0																			
													</						

DATE	LIMITS	RESULTS
6/5/00	*	1.42
6/12/00	*	1.5
6/19/00	*	1.17
6/26/00	*	1.22
	*	
10.16 lbs.	AVG.	1.33

mg/L Monthly Avg. limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

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REPORT DATE: Jun-00				SAMPLE TYPE: GRAB				REPORT DATE: Jun-00				SAMPLE TYPE: GRAB			
WEEKLY/MONTHLY *				REPORT DUE: July 31st, 2000				SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *				REPORT DUE: July 31st, 2000			
REPORT FREQUENCY: MONTHLY				COLLECTED BY:				REPORT FREQUENCY: MONTHLY				COLLECTED BY:			
LAB & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent			
#3 Mast Blvd. Bridge				SIGNED BY:				SAMPLE POINT: #4 Old Mission Dam				SIGNED BY:			
WATER SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			
DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			
SAMPLE RESULTS				CONSTITUENTS				SAMPLE RESULTS				CONSTITUENTS			
UNITS	DATE	DATE	DATE	UNITS	DATE	DATE	DATE	UNITS	DATE	DATE	DATE	UNITS	DATE	DATE	DATE
	6/12/00	6/26/00			6/12/00	6/26/00			6/12/00	6/26/00			6/12/00	6/26/00	
Time	0914	0927		Time	0927	0935		Time	0927	0935		Time	0927	0935	
mgd	0.758	0.894		1. FLOW RATE	mgd	0.42	0.703	1. FLOW RATE	mgd	0.42	0.703	1. FLOW RATE	mgd	0.42	0.703
umhos	2230	2240		2. SPECIFIC CONDUCTANCE	umhos	2090	2180	2. SPECIFIC CONDUCTANCE	umhos	2090	2180	2. SPECIFIC CONDUCTANCE	umhos	2090	2180
units	7.57	7.68		3. pH	units	7.64	7.75	3. pH	units	7.64	7.75	3. pH	units	7.64	7.75
ug/l	ND	ND		4. CHLORINE RESIDUAL	ug/l	ND	ND	4. CHLORINE RESIDUAL	ug/l	ND	ND	4. CHLORINE RESIDUAL	ug/l	ND	ND
NTU	1.8	1.41		5. TURBIDITY	NTU	1.25	1.18	5. TURBIDITY	NTU	1.25	1.18	5. TURBIDITY	NTU	1.25	1.18
MPN	1100/300	9000/5000		6. Total/Fecal Coliform 100ml	MPN	300/<20	2400/<20	6. Total/Fecal Coliform 100ml	MPN	300/<20	2400/<20	6. Total/Fecal Coliform 100ml	MPN	300/<20	2400/<20
	Geo Metric - 3146/1224				Geo Metric - 2700/<20				Geo Metric - 2700/<20				Geo Metric - 2700/<20		
[AS N]	mg/l	ND	ND	7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND	7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND	7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND
	mg/l	0.4	0.51	8. NITRATE [AS N]	mg/l	0.35	0.24	8. NITRATE [AS N]	mg/l	0.35	0.24	8. NITRATE [AS N]	mg/l	0.35	0.24
N]	mg/l	1.14	1.84	9. TOTAL NITROGEN [AS N]	mg/l	1.14	0.86	9. TOTAL NITROGEN [AS N]	mg/l	1.14	0.86	9. TOTAL NITROGEN [AS N]	mg/l	1.14	0.86
	mg/l	0.139	0.153	10. TOTAL PHOSPHORUS	mg/l	0.236	0.274	10. TOTAL PHOSPHORUS	mg/l	0.236	0.274	10. TOTAL PHOSPHORUS	mg/l	0.236	0.274
	mg/l	0.111	0.115	11. ORTHO PHOSPHATE	mg/l	0.187	0.22	11. ORTHO PHOSPHATE	mg/l	0.187	0.22	11. ORTHO PHOSPHATE	mg/l	0.187	0.22
**	See Attachments			12. GENERAL PLANKTON**	See Attachments			12. GENERAL PLANKTON**	See Attachments			12. GENERAL PLANKTON**	See Attachments		
Secchi Disc	B/B	B/B		13. TRANSPARENCY	Secchi Disc	B/B	B/B	13. TRANSPARENCY	Secchi Disc	B/B	B/B	13. TRANSPARENCY	Secchi Disc	B/B	B/B
SOLIDS	mg/l	1394	1400	14. TOTAL DISSOLVED SOLIDS	mg/l	1581	1363	14. TOTAL DISSOLVED SOLIDS	mg/l	1581	1363	14. TOTAL DISSOLVED SOLIDS	mg/l	1581	1363
	mg/l	4.1	3.84	15. DISSOLVED OXYGEN	mg/l	4.9	4.36	15. DISSOLVED OXYGEN	mg/l	4.9	4.36	15. DISSOLVED OXYGEN	mg/l	4.9	4.36
deg. C	19.7	21.5		16. TEMPERATURE	deg. C	21.5	23.4	16. TEMPERATURE	deg. C	21.5	23.4	16. TEMPERATURE	deg. C	21.5	23.4

* October 1, Monthly between October 2 and March 31.
 th 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**TER DISTRICT
ATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Jun-00	SAMPLE TYPE: GRAB	REPORT DATE: Jun-00	SAMPLE TYPE: GRAB	REPORT DATE: Jun-00
DUE: July 31st, 2000	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: July 31st, 2000	REPORT DUE: MONTHLY	TITLE: Water Recycling Superintendent
REQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY: MONTHLY	REPORT FREQUENCY: 3X/WEEK	SIGN BY:
Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	PLANT RAW SLUDGE BOD MRP, 98-60	
Y:	SAMPLE POINT: #6 Fashion Valley Rd.	SIGNED BY:	DATE	BOD mg/l
YSIS REQUIREMENTS	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		1	
ICT MRP No. 98-60	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		2	12,300
SAMPLE RESULTS			3	
CONSTITUENTS			4	
DATE	DATE	DATE	5	19,256
6/12/00	6/26/00		6	
0947	1003		7	11,600
0.056	0.147	Time	8	
2530	2690	1. FLOW RATE	9	6,200
7.6	7.79	mgd	10	
ND	ND	2. SPECIFIC CONDUCTANCE	11	
4.36	4.62	umhos	12	17,937
1700/20	800/70	3. pH	13	
		units	14	14,300
		4. CHLORINE RESIDUAL	15	
		ug/l	16	13,633
		5. TURBIDITY	17	
		NTU	18	
		6. Total/Fecal Coliform 100ml	19	12,485
		MPN	20	
		16000/5000	21	15,072
		9000/1400	22	
		Geo Metric - 7500/950	23	13,836
		7. AMMONIA NITROGEN [AS N]	24	
		mg/l	25	
		ND	26	15,986
		8. NITRATE [AS N]	27	
		mg/l	28	13,900
		0.34	29	
		9. TOTAL NITROGEN [AS N]	30	9,927
		mg/l	31	
		1.22	AVG.	0
		0.257		
		0.312		
		0.174		
		0.222		
		See Attachments		
		12. GENERAL PLANKTON**		
		See Attachments		
		13. TRANSPARENCY		
		Secchi Disc		
		B/B		
		14. TOTAL DISSOLVED SOLIDS		
		mg/l		
		1661		
		1756		
		15. DISSOLVED OXYGEN		
		mg/l		
		3.25		
		2.02		
		16. TEMPERATURE		
		deg. C		
		23.2		
		23.8		

arch 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

Revised 6/98

May 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: May-00				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: May-00				SAMPLE TYPE: GRAB & COMPOSITE			
SAMPLE FREQUENCY: 3X/WEED/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: D.D.			
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White			
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60				REPORT FREQUENCY: MONTHLY				INFLUENT AND EFFLUENT SAMPLING A				PADRE DAM MUNICIPAL WAI			
DATE	BOD mg/l / 24hr. COMPOSITE	COD mg/l / 24hr. COMPOSITE	Flowrate MGD	DATE	TSS mg/l	Comp./ Grab	pH am./ Grab	pm./ Grab	Specific Conductance (umhos/cm) am. / Grab	pm. / Grab									
1	162	554	2.0810	1	229	Comp.	7.56	7.12	1331	1474									
2			2.0377	2	225	Comp.	7.21	7.15	1333	1379									
3	210	520	1.8363	3	204	Comp.	7.24	7.03	1362	1426									
4			2.3302	4	218	Comp.	7.27	7.26	1349	1497									
5	230	321	2.0501	5	227	Comp.	7.36	7.43	1286	1591									
6			2.0595	6	257	Comp.	7.21	7.26	1280	1444									
7			2.0366	7	256	Comp.	7.22	7.25	1285	1536									
8	333	575	2.0745	8	258	Comp.	7.02	7.22	1347	1312									
9			2.0806	9	242	Comp.	7.16	7.24	1324	1298									
10	288	544	2.0727	10	242	Comp.	7.26	7.05	1257	1327									
11			2.0702	11	204	Comp.	7.17	7.18	1323	1140									
12	294	683	2.0471	12	250	Comp.	7.28	7.27	1326	1533									
13			2.0872	13	241	Comp.	7.19	7.30	1491	1481									
14			2.0491	14	244	Comp.	7.31	7.40	1712	1586									
15	215	500	1.9791	15	227	Comp.	7.15	7.02	1336	1491									
16			2.0229	16	338	Comp.	7.25	7.15	1292	1342									
17	240	576	2.0548	17	316	Comp.	7.28	7.32	1258	1366									
18			2.0562	18	244	Comp.	7.08	7.09	1257	1388									
19	218	576	2.0122	19	202	Comp.	7.16	7.33	1288	1393									
20			2.0646	20	291	Comp.	7.15	7.26	1280	1421									
21			2.0315	21	284	Comp.	7.18	7.33	1375	1668									
22	223	641	2.0469	22	243	Comp.	7.09	7.24	1307	1384									
23			2.0386	23	250	Comp.	7.03	7.35	1254	1345									
24	186	659	2.0682	24	254	Comp.	7.16	7.15	1267	1360									
25			2.0482	25	241	Comp.	7.16	7.37	1317	1403									
26	204	643	2.1044	26	280	Comp.	7.22	7.29	1301	1450									
27			2.0096	27	339	Comp.	7.16	7.19	1277	1423									
28			2.0993	28	214	Comp.	7.12	7.15	1318	1564									
29	234	521	1.9992	29	196	Comp.	7.07	7.23	1364	1508									
30			2.0584	30	199	Comp.	7.23	7.32	1324	1348									
31	211	634	2.0705	31	259	Comp.	7.08	7.35	1312	1327									
AVG.	232 mg/l	568 COD mg/l	2.0541 FLOW MGD	AVG.	248 Mg/l		7.19	7.24	1327	1426									

Revised 6/98

63.6774 Total Flow

Revised 6/98

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 6.0
Oct. 1st thru March 31st Max. Daily limit 10 mg

PALM BEACH WATER DISTRICT
WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: May-00				SAMPLE TYPE: Composite				REPORT DATE: May-00				SAMPLE TYPE: Composite				REPORT DATE: May-00			
REPORT DUE: June 30,00				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
ND ANALYSIS REQUIREMENTS				DATE	Cl2 Residual	Turbidity	BOD5 mg/l	COD mg/l	pH	Total / fecal Coliform	DATE	SPECIFIC CONDUCTANCE	TOTAL SUSPENDED SOLIDS	FLOW					
ER DISTRICT MRP. 98-60				DATE	ug/l	NTU	3X/week	3X/week	Units	MPN/100ml - DAILY	1	umhos / Composite	mg/l/ Composite	MG/L					
				1	<2	0.90	1.90	19.5	7.18	<2/<2	2	994	0.4	0.94					
				2	<2	0.85			7.00	<2/<2	3	1035	1.5	0.91					
				3	<2	0.84	1.30	17.5	7.23	<2/<2	4	956	0.1	0.89					
DATE: 5/1/00				4	<2	0.81			7.03	<2/<2	5	1005	0.3	0.84					
				5	<2	0.85	1.70	17.5	7.42	<2/<2	6	1053	1.1	1.17					
				6	<2	0.88			7.2	<2/<2	7	941	0.8	1.16					
				7	<2	0.91			7.26	<2/<2	8	884	1.2	1.14					
				8	<2	0.86	2.00	12	7.22	<2/<2	9	934	0.5	0.68					
DATE 5/1/00				9	<2	0.82			7.35	<2/<2	10	1015	0.4	0.85					
				10	<2	0.87	1.30	17.5	7.19	<2/<2	11	963	0.8	0.90					
				11	<2	0.71			7.16	<2/<2	12	975	1.3	0.83					
				12	<2	0.73	1.30	14.5	7.12	<2/<2	13	962	0.8	0.80					
				13	<2	0.70			7.44	<2/<2	14	990	1.2	1.36					
				14	<2	0.62			7.21	<2/<2	15	999	0.5	1.35					
				15	<2	0.71	3.20	24	7.28	<2/<2	16	968	0.3	0.72					
				16	<2	0.86			7.26	<2/<2	17	975	1.6	0.60					
				17	<2	0.78	1.42	15	7.09	<2/<2	18	1030	0.6	0.96					
				18	<2	1.02			7.01	<2/<2	19	928	1.6	0.91					
				19	<2	0.96	1.40	18.5	7.22	<2/<2	20	1000	1.1	0.82					
				20	<2	0.92			7.2	<2/<2	21	922	0.7	1.23					
				21	<2	0.87			7.26	<2/<2	22	958	0.5	1.28					
				22	<2	0.86	0.80	22.5	7.23	<2/<2	23	1013	ND	0.83					
				23	<2	1.10			7.26	<2/<2	24	1008	0.7	0.77					
				24	<2	0.96	0.60	27.5	7.35	<2/<2	25	1024	1.5	0.76					
				25	<2	0.91			7.22	<2/<2	26	978	1.8	1.36					
				26	<2	1.05	1.20	16	7.21	<2/<2	27	1003	0.7	0.80					
				27	<2	1.00			7.31	<2/<2	28	1062	1.6	1.13					
				28	<2	0.95			7.25	<2/<2	29	971	0.3	1.09					
				29	<2	0.82	2.40	24.5	7.13	<2/<2	30	1016	0.4	1.05					
				30	<2	0.86			7.25	<2/<2	31	996	0.3	0.58					
				31	<2	0.78	3.30	11	7.18	<2/<2	AVG.	1010	0.7	1.27					
				AVG.	<2	0.86	1.70	18.4	7.22	<2/<2	AVG.	986 umhos	0.8 MG/L	0.972					
				Revised 6/98										6.49 lbs.					

DATE	LIMITS	RESULTS
5/1/00	*	0.99
5/8/00	*	1.43
5/15/00	*	1.32
5/22/00	*	0.69
5/30/00	*	1.01
8.84 lbs.	AVG.	1.09

mg./L. Monthly Avg. limit 3.0 mg./L
 g./L. Monthly Avg. Limit 6.0 mg./L

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE
FACILI

SAMPLE TYPE: GRAB		REPORT DATE: May-00		SAMPLE TYPE: GRAB		REPORT DATE: May-00		SAMPLE TYPE: GRAB		
SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE: June 30,00		SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE: June 30,00		SAMPLE FREQUENCY: BIW		
COLLECTED BY: RN, DD		REPORT FREQUENCY: MONTHLY		COLLECTED BY: RN, DD		REPORT FREQUENCY: MONTHLY		COLLECTED BY:		
ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng.		
SAMPLE POINT: #1 Carlton Hills Blvd.		SIGNED BY:		SAMPLE POINT: #2 Forrester Creek		SIGNED BY:		SAMPLE POINT:		
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				RECEIVING PADRE		
CONSTITUENTS		SAMPLE RESULTS			CONSTITUENTS		SAMPLE RESULTS			CONSTITUTE
	UNITS	DATE	DATE	DATE		UNITS	DATE	DATE	DATE	
		5/1/00	5/15/00	5/30/00			5/1/00	5/15/00	5/30/00	
	Time	0830	0855	0905		Time	0850	0915	0940	
1. FLOW RATE	mgd	0.62	0.92	0.96	1. FLOW RATE	mgd	0.42	0.38	0.38	1. FLOW RATE
2. SPECIFIC CONDUCTANCE	umhos	1629	1758	1884	2. SPECIFIC CONDUCTANCE	umhos	2760	2600	2650	2. SPECIFIC CONDUCTAN
3. pH	units	7.68	7.62	7.58	3. pH	units	8.09	8.09	7.9	3. pH
4. CHLORINE RESIDUAL	mg/l	ND	ND	ND	4. CHLORINE RESIDUAL	mg/l	ND	ND	ND	4. CHLORINE RESIDUAL
5. TURBIDITY	NTU	2.33	1.79	1.39	5. TURBIDITY	NTU	2.47	1.03	1.91	5. TURBIDITY
6. Total/Fecal Coliform 100ml	MPN	900/<20	3000/40	2200/<20	6. Total/Fecal Coliform 100ml	MPN	1700/70	1300/40	2200/500	6. Total/Fecal Coliform 100
		Geo Metric - 2033/<27					Geo Metric - 1733/203			
7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND	ND	7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND	ND	7. AMMONIA NITROGEN [
8. NITRATE [AS N]	mg/l	0.21	0.29	0.21	8. NITRATE [AS N]	mg/l	4.93	4.5	1.38	8. NITRATE [AS N]
9. TOTAL NITROGEN [AS N]	mg/l	0.69	0.82	0.76	9. TOTAL NITROGEN [AS N]	mg/l	5.51	6.00	2.9	9. TOTAL NITROGEN [AS
10. TOTAL PHOSPHORUS	mg/l	0.072	0.070	0.085	10. TOTAL PHOSPHORUS	mg/l	0.036	0.019	0.055	10. TOTAL PHOSPHORUS
11. ORTHO PHOSPHATE	mg/l	0.046	0.046	0.062	11. ORTHO PHOSPHATE	mg/l	0.008	0.008	0.008	11. ORTHO PHOSPHATE
12. GENERAL PLANKTON**	---	See Attached			12. GENERAL PLANKTON**	---	See Attached			12. GENERAL PLANKTON
13. TRANSPARENCY	Secchi Disc	BB	BB	BB	13. TRANSPARENCY	Secchi Disc	BB	BB	BB	13. TRANSPARENCY
14. TOTAL DISSOLVED SOLIDS	mg/l	1018	1099	1178	14. TOTAL DISSOLVED SOLIDS	mg/l	1725	1625	1656	14. TOTAL DISSOLVED SO
15. DISSOLVED OXYGEN	mg/l	3.09	4.0	5.1	15. DISSOLVED OXYGEN	mg/l	7.87	8.3	8.35	15. DISSOLVED OXYGEN
16. TEMPERATURE	deg. C	20.3	19.7	19.9	16. TEMPERATURE	deg. C	20.4	20.3	24.9	16. TEMPERATURE
* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.				* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.				* Biweekly between April 1 and		
** General Plankton is taken with 25 mesh plankton net.				** General Plankton is taken with 25 mesh plankton net.				** General Plankton is taken wit		
ND - Non-detected				ND - Non-detected				ND - Non-detected		
Revised 6/98				Revised 6/98				Revised 6/98		
MGD										

DAM MUNICIPAL WATER DISTRICT
(TY: SANTEE WATER RECLAMATION PLANT)

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: May-00					SAMPLE TYPE: GRAB					REPORT DATE: May-00					SAMPLE TYPE: GRAB					REPORT DATE: May-00					SAMPLE TYPE: GRAB				
WEEKLY/MONTHLY * REPORT DUE: June 30,00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: June 30,00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: June 30,00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: June 30,00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: June 30,00					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: June 30,00				
RN, DD REPORT FREQUENCY: MONTHLY					COLLECTED BY: RN, DD REPORT FREQUENCY: MONTHLY					COLLECTED BY: RN, DD REPORT FREQUENCY: MONTHLY					COLLECTED BY: RN, DD REPORT FREQUENCY: MONTHLY					COLLECTED BY: RN, DD REPORT FREQUENCY: MONTHLY					COLLECTED BY: RN, DD REPORT FREQUENCY: MONTHLY				
LAB & D. White TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent				
#3 Mast Blvd. Bridge SIGNED BY:					SAMPLE POINT: #4 Old Mission Dam SIGNED BY:					SAMPLE POINT: #5 Mission Ponds SIGNED BY:					SAMPLE POINT: #5 Mission Ponds SIGNED BY:					SAMPLE POINT: #5 Mission Ponds SIGNED BY:					SAMPLE POINT: #5 Mission Ponds SIGNED BY:				
WATER SAMPLING AND ANALYSIS REQUIREMENTS DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				
SAMPLE RESULTS					CONSTITUENTS					SAMPLE RESULTS					CONSTITUENTS					SAMPLE RESULTS					CONSTITUENTS				
UNITS DATE DATE DATE					UNITS DATE DATE DATE					UNITS DATE DATE DATE					UNITS DATE DATE DATE					UNITS DATE DATE DATE					UNITS DATE DATE DATE				
Time 5/1/00 5/15/00 5/30/00					Time 5/1/00 5/15/00 5/30/00					Time 5/1/00 5/15/00 5/30/00					Time 5/1/00 5/15/00 5/30/00					Time 5/1/00 5/15/00 5/30/00					Time 5/1/00 5/15/00 5/30/00				
mgd 0901 0920 0955					mgd 0916 0928 1000					mgd 0916 0928 1000					mgd 0916 0928 1000					mgd 0916 0928 1000					mgd 0916 0928 1000				
1.76 1.47 1.45					1.76 1.47 1.45					1.76 1.47 1.45					1.76 1.47 1.45					1.76 1.47 1.45					1.76 1.47 1.45				
umhos 1780 1770 2050					umhos 1770 1897 1840					umhos 1770 1897 1840					umhos 1770 1897 1840					umhos 1770 1897 1840					umhos 1770 1897 1840				
units 7.7 7.8 7.45					units 7.71 7.73 7.6					units 7.71 7.73 7.6					units 7.71 7.73 7.6					units 7.71 7.73 7.6					units 7.71 7.73 7.6				
mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND				
NTU 2 1.18 1.36					NTU 1.81 1.34 1.11					NTU 1.81 1.34 1.11					NTU 1.81 1.34 1.11					NTU 1.81 1.34 1.11					NTU 1.81 1.34 1.11				
MPN 1100/230 3000/40 9000/20					MPN 1300/20 1600/<20 9000/20					MPN 1300/20 1600/<20 9000/20					MPN 1300/20 1600/<20 9000/20					MPN 1300/20 1600/<20 9000/20					MPN 1300/20 1600/<20 9000/20				
Geo Metric - 4367/97					Geo Metric - 3967/<20					Geo Metric - 3967/<20					Geo Metric - 3967/<20					Geo Metric - 3967/<20					Geo Metric - 3967/<20				
mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND					mg/l ND ND ND				
mg/l 0.65 0.42 0.29					mg/l 0.24 0.22 0.21					mg/l 0.24 0.22 0.21					mg/l 0.24 0.22 0.21					mg/l 0.24 0.22 0.21					mg/l 0.24 0.22 0.21				
mg/l 1.17 1.12 1.26					mg/l 0.73 0.89 0.82					mg/l 0.73 0.89 0.82					mg/l 0.73 0.89 0.82					mg/l 0.73 0.89 0.82					mg/l 0.73 0.89 0.82				
mg/l 0.101 0.068 0.134					mg/l 0.197 0.164 0.193					mg/l 0.197 0.164 0.193					mg/l 0.197 0.164 0.193					mg/l 0.197 0.164 0.193					mg/l 0.197 0.164 0.193				
mg/l 0.078 0.053 0.105					mg/l 0.177 0.139 0.16					mg/l 0.177 0.139 0.16					mg/l 0.177 0.139 0.16					mg/l 0.177 0.139 0.16					mg/l 0.177 0.139 0.16				
See Attached					See Attached					See Attached					See Attached					See Attached					See Attached				
Secchi Disc BB BB BB					Secchi Disc BB BB BB					Secchi Disc BB BB BB					Secchi Disc BB BB BB					Secchi Disc BB BB BB					Secchi Disc BB BB BB				
mg/l 1113 1106 1281					mg/l 1106 1186 1150					mg/l 1106 1186 1150					mg/l 1106 1186 1150					mg/l 1106 1186 1150					mg/l 1106 1186 1150				
mg/l 4.31 5.48 3.6					mg/l 4.77 5.6 5.3					mg/l 4.77 5.6 5.3					mg/l 4.77 5.6 5.3					mg/l 4.77 5.6 5.3					mg/l 4.77 5.6 5.3				
deg. C 18.9 19.2 20.9					deg. C 20.1 19.8 22.3					deg. C 20.1 19.8 22.3					deg. C 20.1 19.8 22.3					deg. C 20.1 19.8 22.3					deg. C 20.1 19.8 22.3				

* October 1, Monthly between October 2 and March 31.

** 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

TER DISTRICT
ATION PLANT

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE:	May-00	SAMPLE TYPE:	GRAB	REPORT DATE:	May-00	SAMPLE TYPE:	GRAB	REPORT DATE:	May-00
DUE:	June 30,00	SAMPLE FREQUENCY:	BIWEEKLY/MONTHLY *	REPORT DUE:	June 30,00	REPORT DUE:	MONTHLY	TITLE:	Water Recycling Superintendent
REQUENCY:	MONTHLY	COLLECTED BY:	RN, DD	REPORT FREQUENCY:	MONTHLY	REPORT FREQUENCY:	3X/WEEK	SIGN BY:	
Water Recycling Superintendent		ANALYZED BY:	Env. Eng. LAB & D. White	TITLE:	Water Recycling Superintendent	PLANT RAW SLUDGE BOD MRP. 98-60			
Y:		SAMPLE POINT:	#6 Fashion Valley Rd.	SIGNED BY:		DATE	BOD mg/l	UNITS	
YSIS REQUIREMENTS		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS				1			
ICT MRP No. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				2	12,140		MG/L
SAMPLE RESULTS		CONSTITUENTS		SAMPLE RESULTS		3	5,260		MG/L
DATE	DATE	DATE	UNITS	DATE	DATE	DATE	4		MG/L
5/1/00	5/15/00	5/30/00		5/1/00	5/15/00	5/30/00	5	16,439	MG/L
0937	1003	1035	Time	0953	1029	1052	6		MG/L
2.66	2.05	2.97	1. FLOW RATE	3.69	3.49	1.49	7		MG/L
1570	1965	2300	2. SPECIFIC CONDUCTANCE	2010	2240	2440	8	15,987	MG/L
7.54	7.61	7.55	3. pH	7.61	7.75	7.62	9		MG/L
ND	ND	ND	4. CHLORINE RESIDUAL	ND	ND	ND	10	12,601	MG/L
6.26	4.45	4.44	5. TURBIDITY	7.37	2.96	4.36	11		MG/L
700/<20	500/40	500/20	6. Total/Fecal Coliform 100ml	MPN	2200/130	1400/700	12	13,200	MG/L
Geo Metric - 562/<27				Geo Metric - 1767/443			13		MG/L
ND	ND	ND	7. AMMONIA NITROGEN [AS N]	ND	ND	ND	14	10,504	MG/L
0.22	0.13	0.1	8. NITRATE [AS N]	0.18	0.24	0.1	15		MG/L
0.79	0.92	0.28	9. TOTAL NITROGEN [AS N]	0.76	1.14	0.72	16	16,100	MG/L
0.183	0.190	0.259	10. TOTAL PHOSPHORUS	0.168	0.241	0.183	17		MG/L
0.12	0.137	0.205	11. ORTHO PHOSPHATE	0.101	0.18	0.117	18	21,400	MG/L
See Attached			12. GENERAL PLANKTON**	See Attached			19		MG/L
BB	BB	BB	13. TRANSPARENCY	BB	BB	BB	20		MG/L
981	1228	1438	14. TOTAL DISSOLVED SOLIDS	mg/l	1256	1400	21	7,273	MG/L
3.42	3.68	2.9	15. DISSOLVED OXYGEN	mg/l	4.88	4.1	22		MG/L
22.1	22.2	22.4	16. TEMPERATURE	deg. C	22.1	22.4	23	16,312	MG/L
							24		MG/L
							25		MG/L
							26	8,833	MG/L
							27		MG/L
							28		MG/L
							29	12,764	MG/L
							30		MG/L
							31	16,329	MG/L
							AVG.	13,224	MG/L

rch 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net

ND - Non-detected

Revised 6/98

Revised 6/98

April 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM M
FACILITY: SANTEE

SAMPLE TYPE: COMPOSITE				REPORT DATE: Apr-00		SAMPLE TYPE: GRAB & COMPOS			
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent		SAMPLE POINT: RAW INFLUEN			
REPORT FREQUENCY: MONTHLY				SIGN BY:		REPORT FREQUENCY: DAILY & 2			
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP 98-60						INFLUENT SAMPLI			
DATE	BOD mg/l / 24hr. COMPOSITE	COD mg/l / 24hr. COMPOSITE	Flowrate MGD	DATE	TSS mg/l	Comp./ Grab	pH am./ Grab		
1			1.8578	1	386	Comp.	6.98		
2			1.9633	2	352	Comp.	7.03		
3	237	608	1.9021	3	292	Comp.	7.11		
4			1.9255	4	290	Comp.	6.97		
5	335	660	1.9288	5	290	Comp.	6.93		
6			1.9409	6	371	Comp.	7.05		
7	295	224	1.9355	7	346	Comp.	7.09		
8			1.8763	8	411	Comp.	7.00		
9			1.9761	9	274	Comp.	6.98		
10	310	235	1.9054	10	255	Comp.	6.98		
11			1.9169	11	270	Comp.	6.99		
12	266	644	1.9248	12	274	Comp.	7.01		
13			1.9270	13	285	Comp.	7.07		
14	357	680	1.9248	14	319	Comp.	7.02		
15			1.8690	15	480	Comp.	7.01		
16			1.8888	16	364	Comp.	7.08		
17	300	602	1.9968	17	259	Comp.	7.00		
18			1.9609	18	319	Comp.	7.20		
19	225	505	1.9600	19	281	Comp.	7.03		
20			1.9343	20	255	Comp.	7.09		
21	266	316	1.9333	21	241	Comp.	7.11		
22			1.9111	22	292	Comp.	7.24		
23			1.9455	23	290	Comp.	6.84		
24	305	762	1.9275	24	234	Comp.	7.02		
25			1.9528	25	242	Comp.	7.03		
26	257	589	2.1111	26	224	Comp.	6.96		
27			1.9885	27	226	Comp.	7.16		
28	282	529	2.0972	28	229	Comp.	7.13		
29			2.0003	29	317	Comp.	7.20		
30			2.0736	30	257	Comp.	7.10		
AVG	286 BOD mg/l	530 COD mg/l	1.9485 FLOW MGD	AVG	298 Mg/l		7.05		

Revised 6/98

58.4559 Total Flow

Revised 6/98

**MUNICIPAL WATER DISTRICT
WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION**

SITE			REPORT DATE: Apr-00	SAMPLE TYPE: GRAB & COMPOSITE		REPORT DATE:	
TITLE: Water Recycling Superintendent			COLLECTED BY: D.D.		REPORT DUE:		
SIGN BY:			ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recyc		
INFLUENT AND EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS MRP 98-60							
Specific Conductance (umhos/cm)			REPORT FREQUENCY: MONTHLY		SIGNED BY:		
pm. / Grab	am. / Grab	pm. / Grab	INFLUENT AND EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS MRP 98-60				
7.04	1399	1396	SAMPLE LOCATION: RAW INFLUENT				
7.58	1229	1620					
7.47	1498	1430					
7.10	1279	1411	INFLUENT CONSTITUENTS				
7.31	1281	1418					
7.39	1255	1337					
7.16	1323	1497	1. Ammonia Nitrogen (GRAB)				
7.35	1285	1434	2. Total Nitrogen (COMPOSITE)				
7.35	1186	1388	3. Total Phosphorus (COMPOSITE)				
7.19	1319	1367	SAMPLE LOCATION: Cl2 Contact Chamber				
7.44	1312	1553	EFFLUENT CONSTITUENTS				
7.39	1252	1484	1. Color (Composite)				LIMITS
7.17	1247	1430	2. MBAS (Composite) 1.29 lbs.				20
7.42	1346	1456	3. % Sodium (Composite)				0.5
7.37	1302	1351	4. Ammonia Nitrogen (Grab)				60
7.33	1351	1360	5. Grease & Oil (COMPOSITE) 14.57 lbs.				5
7.14	1478	1433	6. Total Phosphorus (COMPOSITE) 3.07 lbs.				0.5/1.0
7.41	1356	1443	7. Total Dissolved Solids (COMPOSITE) 14177 lbs.				1500
7.13	1363	1474	SAMPLE LOCATION: Cl2 Contact Chamber				
7.21	1325	1429	Weekly Total Nitrogen Samples				
7.16	1489	1478	DATE				
7.18	1422	1379	#1	Total Nitrogen (Composite)			4/3/00
7.26	1239	1521	#2	Total Nitrogen (Composite)			4/10/00
7.16	1331	1774	#3	Total Nitrogen (Composite)			4/17/00
6.94	1213	1353	#4	Total Nitrogen (Composite)			4/24/00
6.92	1275	1408	#5	Total Nitrogen (Composite)			
7.18	1265	1473	75.17 lbs.				
7.32	1288	1660	SAMPLE LOCATION: LAKE #1 Eff.				
7.51	1290	1437	EFFLUENT CONSTITUENTS				
7.19	1244	1505	LIMITS				
			1. Ammonia Nitrogen (GRAB)				
7.26	1315	1457	3. Total Phosphorus (COMPOSITE)				
			0.5/1.0				

SAMPLE LOCATION: LAKE #1 Eff.

Weekly Total Nitrogen Samples		DATE
#1	Total Nitrogen (Composite)	4/3/00
#2	Total Nitrogen (Composite)	4/10/00
#3	Total Nitrogen (Composite)	4/17/00
#4	Total Nitrogen (Composite)	4/24/00
#5	Total Nitrogen (Composite)	
		10.04 lbs.

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0 mg/L Monthly Avg. limit 10 mg/L
Oct. 1st thru March 31st Max. Daily limit 10 mg/L Monthly Avg. Limit 10 mg/L

**STRICT
PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

Apr-00	SAMPLE TYPE: Composite					REPORT DATE: Apr-00		SAMPLE	
31-May-00	SAMPLE POINT: Cl2 Contact Basin					TITLE: Water Recycling Superintendent		SAMPLE	
ling Superintendent	REPORT FREQUENCY: DAILY & 3X/week							REPORT	
SIGN BY:									
EFFLUENT SAMPLING AND REQUIREMENTS MRP 98-60									
IREMENTS 98-60		DATE	Cl2 Residual ug/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE
		1	<2	0.86			7.26	<2	1
		2	<2	0.77			7.26	<2	2
DATE: 4/3/00		3	<2	0.75	1.80	20.0	7.27	<2	3
UNITS	RESULTS	4	<2	0.85			6.77	<2	4
mg/l	14.1	5	<2	0.71	2.00	14.5	6.93	<2	5
mg/l	45.06	6	<2	0.93			6.81	<2	6
mg/l	10.34	7	<2	1.08	0.30	3.0	7.24	<2	7
		8	<2	1.64			7.23	<2	8
DATE 4/3/00		9	<2	1.01			7.28	<2	9
UNITS	RESULTS	10	<2	1.01	3.60	6.0	7.38	<2	10
units	<20	11	<2	1.03			7.13	<2	11
mg/l	0.08	12	<2	0.87	3.40	8.5	6.93	<2	12
%	46.3	13	<2	0.91			6.98	<2	13
mg/l	ND	14	<2	1.07	2.80	17.0	7.10	<2	14
mg/l	0.9	15	<2	0.97			7.27	<2	15
mg/l	0.19	16	<2	0.93			7.38	<2	16
mg/l	876	17	<2	1.10	3.50	6.0	7.22	<2	17
		18	<2	0.88			7.18	<2	18
		19	<2	0.94	1.90	18.5	7.22	<2	19
LIMITS	RESULTS	20	<2	1.01			7.18	<2	20
*	9.52	21	<2	1.04	1.60	10.0	7.44	<2	21
*	3.43	22	<2	1.19			7.33	<2	22
*	2.87	23	<2	0.94			7.32	<2	23
*	2.76	24	<2	1.19	1.80	26.0	7.24	<2	24
*		25	<2	1.05			7.26	<2	25
AVG.	4.65	26	<2	1.24	1.90	31.0	7.28	<2	26
		27	<2	1.14			7.15	<2	27
DATE 4/3/00		28	<2	0.97	1.70	19.0	7.05	<2	28
UNITS	RESULTS	29	<2	1.11			7.19	<2	29
mg/l	ND	30	<2	0.91			7.20	<2	30
mg/l	0.05	31							AVG.
AVG.		<2	1.00	2.19	14.96	7.18	<2		

Revised 6/98

35.44 lbs.

242.11 lbs.

LIMITS	RESULTS
*	1.62
*	0.39
*	1.44
*	1.37
*	
AVG.	1.21

it 3.0 mg/L
6.0 mg/L

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUN
FACILITY: SANTEE W

TYPE: Composite		REPORT DATE: Apr-00	SAMPLE TYPE: GRAB
POINT: C12 Contact Basin		TITLE: Water Recycling Superintendent	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY
FREQUENCY: 1X/week & 5X/week /Daily		SIGN BY:	COLLECTED BY:
EFFLUENT SAMPLING AND REQUIREMENTS MRP 98-60			
SPECIFIC CONDUCTANCE umhos / Composite	TOTAL SUSPENDED SOLIDS mg/l / Composite	FLOWRATE MGD	ANALYZED BY: Env. Eng. LAB & D. White
1016	1.5	1.0583	SAMPLE POINT: #1 Carlton Hills B
1003	2.0	1.2203	RECEIVING WATER/SAMPL
1056	3.9	1.0731	PADRE DAM MUNICIPAL
1100	3.0	0.8127	CONSTITUENTS
1064	1.6	1.0289	
1054	2.3	1.0689	
1045	2.3	0.6456	
1053	1.0	0.7465	1. FLOW RATE
923	1.9	1.1083	2. SPECIFIC CONDUCTANCE
1062	1.7	0.8853	3. pH
1089	2.6	0.9037	4. CHLORINE RESIDUAL
1091	0.6	0.8960	5. TURBIDITY
986	1.9	0.8421	6. Total/Fecal Coliform 100ml
991	2.0	0.9266	
1002	0.3	0.4478	7. AMMONIA NITROGEN [AS N]
1003	2.0	1.4968	8. NITRATE [AS N]
992	1.8	1.1296	9. TOTAL NITROGEN [AS N]
1091	3.6	1.1392	10. TOTAL PHOSPHORUS
1042	1.8	1.0692	11. ORTHO PHOSPHATE
982	2.7	0.9587	12. GENERAL PLANKTON**
1088	2.8	0.9250	13. TRANSPARENCY
1034	1.1	1.0363	14. TOTAL DISSOLVED SOLIDS
938	1.1	1.2072	15. DISSOLVED OXYGEN
1076	3.0	0.9602	16. TEMPERATURE
916	2.0	0.6916	* Biweekly between April 1 and October 1, Monthly
197	2.0	1.1457	** General Plankton is taken with 25 mesh plankton
957	1.4	0.7457	ND - Non-detected
1016	2.3	1.0782	Revised 6/98
986	1.3	1.4578	
942	0.5	1.2610	
993 umhos	1.9 MCL	0.999	

ANALYZED BY: Env. Eng. LAB & D. White

SAMPLE POINT: #1 Carlton Hills B

RECEIVING WATER SAMPLE
PADRE DAM MUNICIPAL
CONSTITUENTS

1. FLOW RATE
2. SPECIFIC CONDUCTANCE
3. pH
4. CHLORINE RESIDUAL
5. TURBIDITY
6. Total/Fecal Coliform 100ml
7. AMMONIA NITROGEN [AS N]
8. NITRATE [AS N]
9. TOTAL NITROGEN [AS N]
10. TOTAL PHOSPHORUS
11. ORTHO PHOSPHATE
12. GENERAL PLANKTON**
13. TRANSPARENCY
14. TOTAL DISSOLVED SOLIDS
15. DISSOLVED OXYGEN
16. TEMPERATURE

* Biweekly between April 1 and October 1, Monthly

** General Plankton is taken with 25 mesh plankton

ND - Non-detected

Revised 6/98

**MUNICIPAL WATER DISTRICT
WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Apr-00	SAMPLE TYPE: GRAB	REPORT DATE:
REPORT DUE: 31-May-00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE:
REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY:
TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
SIGNED BY:	SAMPLE POINT: #2 Forrester Creek	SIGNED BY:
SAMPLING AND ANALYSIS REQUIREMENTS MUNICIPAL WATER DISTRICT MRP No. 98-60		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60

SAMPLE RESULTS					CONSTITUENTS		SA
UNITS	DATE	DATE	DATE			UNITS	DATE
	4/3/00	4/17/00					4/3
Time	0850	0955				Time	0900
mgd	1.37	1.07			1. FLOW RATE	mgd	0.31
umhos	1808	1794			2. SPECIFIC CONDUCTANCE	umhos	2850
units	7.26	7.49			3. pH	units	7.82
ug/l	<2	<2			4. CHLORINE RESIDUAL	ug/l	<2
NTU	0.905	1.21			5. TURBIDITY	NTU	1.40
MPN	210/<20	1100/40			6. Total/Fecal Coliform 100ml	MPN	1700/40
	Geo Metric - 480/<28						C
mg/l	ND	ND			7. AMMONIA NITROGEN [AS N]	mg/l	0.10
mg/l	0.61	0.21			8. NITRATE [AS N]	mg/l	4.34
mg/l	1.17	0.73			9. TOTAL NITROGEN [AS N]	mg/l	4.34
mg/l	0.066	0.071			10. TOTAL PHOSPHORUS	mg/l	0.062
mg/l	0.036	0.036			11. ORTHO PHOSPHATE	mg/l	0.024
-----	See Attachment				12. GENERAL PLANKTON**	-----	See Attachment
Secchi Disc	B/B	B/B			13. TRANSPARENCY	Secchi Disc	B/B
mg/l	1130	1794			14. TOTAL DISSOLVED SOLIDS	mg/l	1781
mg/l	3.67	3.6			15. DISSOLVED OXYGEN	mg/l	7.26
deg. C	16.9	18.4			16. TEMPERATURE	deg. C	17.5

between October 2 and March 31.

net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**STRICT
LANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

Apr-00	SAMPLE TYPE: GRAB		REPORT DATE: Apr-00		SAMPLI
31-May-00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE: 31-May-00		SAMPLE
MONTHLY	COLLECTED BY:		REPORT FREQUENCY: MONTHLY		COLLEC
Superintendent	ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent		ANALYZ
	SAMPLE POINT: #3 Mast Blvd. Bridge		SIGNED BY:		SAMPLI
REQUIREMENTS		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			
p. 98-60		PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			
SAMPLE RESULTS		CONSTITUENTS		SAMPLE RESULTS	
DATE	DATE		UNITS	DATE	DATE
4\17				4/3/00	4/17/00
1003			Time	0915	1015
0.24		1. FLOW RATE	mgd	3.17	2.54
2580		2. SPECIFIC CONDUCTANCE	umhos	2120	1980
8.02		3. pH	units	7.59	7.64
<2		4. CHLORINE RESIDUAL	ug/l	<2	<2
1.53		5. TURBIDITY	NTU	1.2	1.12
8000/800		6. Total/Fecal Coliform 100ml	MPN	500/<20	2200/220
Geo Metric - 3688/178				Geo Metric - 1048/<66	
ND		7. AMMONIA NITROGEN [AS N]	mg/l	ND	ND
3.23		8. NITRATE [AS N]	mg/l	0.46	0.38
4.30		9. TOTAL NITROGEN [AS N]	mg/l	1.16	1.01
0.034		10. TOTAL PHOSPHORUS	mg/l	0.111	0.125
0.008		11. ORTHO PHOSPHATE	mg/l	0.08	0.095
See Attachment		12. GENERAL PLANKTON**	----	See Attachment	
B/B		13. TRANSPARENCY	Secchi Disc	B/B	B/B
1613		14. TOTAL DISSOLVED SOLIDS	mg/l	1325	1238
7.44		15. DISSOLVED OXYGEN	mg/l	4.79	4.76
19.3		16. TEMPERATURE	deg. C	16.3	16.7

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

* Biweekly

** General

ND - Non-

Revised 6/98

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

TYPE: GRAB		REPORT DATE: Apr-00		SAMPLE TYPE: GRAB	
FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE: 31-May-00		SAMPLE FREQUENCY: BIWEEKLY	
COLLECTED BY:		REPORT FREQUENCY: MONTHLY		COLLECTED BY:	
ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng. LAB &	
SAMPLING POINT: #4 Old Mission Dam		SIGNED BY:		SAMPLE POINT: #5 Mission Dam	
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60	
CONSTITUENTS		SAMPLE RESULTS			CONSTITUENTS
	UNITS	DATE	DATE	DATE	
		4/3/00	4/17/00		
	Time	0932	1032		
FLOW RATE	mgd	2.79	3.27		1. FLOW RATE
SPECIFIC CONDUCTANCE	umhos	2060	1820		2. SPECIFIC CONDUCTANCE
	units	7.72	7.69		3. pH
CHLORINE RESIDUAL	ug/l	<2	<2		4. CHLORINE RESIDUAL
TURBIDITY	NTU	2.01	1.3		5. TURBIDITY
Total/Fecal Coliform 100ml	MPN	700/<20	1300/<200		6. Total/Fecal Coliform 100ml
		Geo Metric - 954/63			
AMMONIA NITROGEN [AS N]	mg/l	ND	ND		7. AMMONIA NITROGEN [AS N]
NITRATE [AS N]	mg/l	0.39	0.22		8. NITRATE [AS N]
TOTAL NITROGEN [AS N]	mg/l	1.17	1.00		9. TOTAL NITROGEN [AS N]
TOTAL PHOSPHORUS	mg/l	0.156	0.161		10. TOTAL PHOSPHORUS
ORTHO PHOSPHATE	mg/l	0.127	0.131		11. ORTHO PHOSPHATE
GENERAL PLANKTON**	----	See Attachment			12. GENERAL PLANKTON**
TRANSPARENCY	Secchi Disc	B/B	B/B		13. TRANSPARENCY
TOTAL DISSOLVED SOLIDS	mg/l	1288	1138		14. TOTAL DISSOLVED SOLIDS
DISSOLVED OXYGEN	mg/l	6.40	5.41		15. DISSOLVED OXYGEN
TEMPERATURE	deg. C	17.2	17.9		16. TEMPERATURE

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**MUNICIPAL WATER DISTRICT
SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Apr-00	SAMPLE TYPE: GRAB	REPORT I
1/MONTHLY* REPORT DUE: 31-May-00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY*	REPORT I
REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT I
D. White TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: V
on Ponds SIGNED BY:	SAMPLE POINT: #6 Fashion Valley Rd.	SIGNED I
SAMPLING AND ANALYSIS REQUIREMENTS MUNICIPAL WATER DISTRICT MRF No. 98-60	RECEIVING WATER SAMPLING AND ANALYSIS PADRE DAM MUNICIPAL WATER DISTRICT	

		SAMPLE RESULTS			CONSTITUENTS	
	UNITS	DATE	DATE	DATE		UNITS
		4/3/00	4/17/00			
	Time	0955	1051			Time
	mgd	4.31	3.30		1. FLOW RATE	mgd
	umhos	2150	2270		2. SPECIFIC CONDUCTANCE	umhos
	units	7.59	7.59		3. pH	units
	ug/l	<2	<2		4. CHLORINE RESIDUAL	ug/l
	NTU	4.19	7.36		5. TURBIDITY	NTU
	MPN	500/40	300/40		6. Total/Fecal Coliform 100ml	MPN
		Geo Metric - 387/40				
	mg/l	ND	ND		7. AMMONIA NITROGEN [AS N]	mg/l
	mg/l	ND	0.12		8. NITRATE [AS N]	mg/l
	mg/l	0.62	0.75		9. TOTAL NITROGEN [AS N]	mg/l
	mg/l	0.157	0.178		10. TOTAL PHOSPHORUS	mg/l
	mg/l	0.076	0.103		11. ORTHO PHOSPHATE	mg/l
	-----	See Attachment			12. GENERAL PLANKTON**	-----
	Secchi Disc	B/B	B/B		13. TRANSPARENCY	Secchi Disc
	mg/l	1344	1419		14. TOTAL DISSOLVED SOLIDS	mg/l
	mg/l	5.55	4.37		15. DISSOLVED OXYGEN	mg/l
	deg. C	18.6	18.2		16. TEMPERATURE	deg. C

Monthly between October 2 and March 31.

plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and N

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

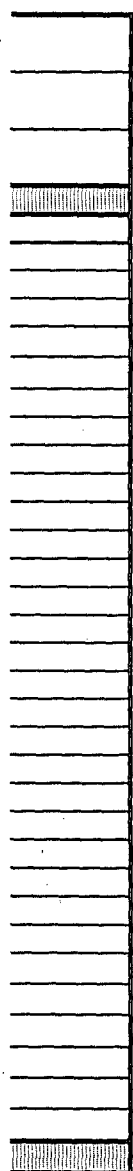
Revised 6/98

**TER DISTRICT
ATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Apr-00	SAMPLE TYPE: GRAB	REPORT DATE: Apr-00
DUE: 31-May-00	REPORT DUE: MONTHLY	TITLE: Water Recycling Superintendent
FREQUENCY: MONTHLY	REPORT FREQUENCY: 3X/WEEK	SIGN BY:
Water Recycling Superintendent	PLANT RAW SLUDGE BOD MRP 98-60	
3Y:	DATE	BOD mg/l
YSIS REQUIREMENTS	1	MG/L
CT MRP No. 98-60	2	MG/L
	3	13,109
	4	MG/L
	5	7,040
	6	MG/L
	7	12,497
	8	MG/L
	9	MG/L
	10	10,264
	11	MG/L
	12	9,386
	13	MG/L
	14	12,424
	15	MG/L
	16	MG/L
	17	9,689
	18	MG/L
	19	8,770
	20	MG/L
	21	11,745
	22	MG/L
	23	MG/L
	24	9,896
	25	MG/L
	26	18,183
	27	MG/L
	28	13,428
	29	MG/L
	30	MG/L
	AVG.	11,369
		MG/L

Revised 6/98



Mar 00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM M
FACILITY: SANTEE

SAMPLE TYPE: COMPOSITE				REPORT DATE: Mar. 00				SAMPLE TYPE: GRAB & COMPOSE			
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUEN			
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2			
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP 98-60								INFLUENT SAMPLI			
DATE	BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE	TSS mg/l	Comp/ Grab	pH am./ Grab	
1	277		646/ 612		1.9751		1	294	Comp.	7.16	
2					2.0042		2	313	Comp.	7.13	
3	238		627		2.0003		3	285	Comp.	7.21	
4					1.9235		4	379	Comp.	7.04	
5	260				2.0199		5	374	Comp.	7.17	
6			492.5		1.9794		6	274	Comp.	7.26	
7					2.0354		7	267	Comp.	7.25	
8	335		692.5		2.0062		8	337	Comp.	7.21	
9					2.0228		9	429	Comp.	7.20	
10	318		687.5		1.9976		10	355	Comp.	7.32	
11					1.9483		11	337	Comp.	7.19	
12	380				1.9929		12	268	Comp.	7.20	
13			622.5		1.9971		13	201	Comp.	7.32	
14					1.9997		14	328	Comp.	7.31	
15	247		633		2.0128		15	248	Comp.	7.11	
16					2.0046		16	295	Comp.	7.10	
17	237		595		1.8605		17	272	Comp.	7.13	
18					1.9061		18	321	Comp.	7.11	
19					1.9574		19	308	Comp.	7.18	
20	372		652		1.9519		20	214	Comp.	7.08	
21					1.8848		21	262	Comp.	7.06	
22	330		594		1.8749		22	287	Comp.	7.03	
23					1.9309		23	260	Comp.	7.24	
24	360		671.5		1.9130		24	310	Comp.	7.10	
25					1.9277		25	331	Comp.	7.05	
26					1.9593		26	260	Comp.	7.14	
27	267		655.5		1.9285		27	284	Comp.	7.13	
28					1.9392		28	298	Comp.	7.08	
29	322		530.5		1.9178		29	269	Comp.	7.10	
30					1.9200		30	288	Comp.	7.06	
31	263		761.5		1.8830		31	362	Comp.	7.16	
AVG.	300	BOD mg/l	631.9	COD mg/l	1.9573	FLOW MGD	AVG.	300	Mg/l	7.16	

Revised 6/98

60.6748 Total Flow

Revised 6/98

**MUNICIPAL WATER DISTRICT
3 WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION**

SITE			REPORT DATE: Mar. 00		SAMPLE TYPE: GRAB & COMPOSITE		REPORT DATE:	
TITLE: Water Recycling Superintendent			COLLECTED BY: D.D.		REPORT DUE:			
SIGN BY:			ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recyc			
INC AND REQUIREMENTS MRP 98-60			REPORT FREQUENCY: MONTHLY		SIGNED BY:			
Specific Conductance (umhos/cm)			INFLUENT AND EFFLUENT SAMPLING AND ANALYSIS REQUIRED PADRE DAM MUNICIPAL WATER DISTRICT MRP					
pm. / Grab	am. / Grab	pm. / Grab						
7.27	1410	1509						
7.38	1327	1418						
7.55	1357	1374						
7.48	1561	1632	SAMPLE LOCATION: RAW INFLUENT					
7.34	1266	1130	INFLUENT CONSTITUENTS					
7.32	1439	1402	1. Ammonia Nitrogen (GRAB)					
7.28	1499	1403	2. Total Nitrogen (COMPOSITE)					
7.39	1338	1337	3. Total Phosphorus (COMPOSITE)					
7.52	1392	1434						
7.26	1436	1450	SAMPLE LOCATION: Cl2 Contact Chamber					
7.41	1370	1504	EFFLUENT CONSTITUENTS					LIMITS
7.26	1341	1459	1. Color (Composite)					20
7.31	1341	1459	2. MBAS (Composite) 1.65 lbs.					0.5
7.30	1507	1422	3. % Sodium (Composite)					60
7.38	1379	1439	4. Ammonia Nitrogen (Grab)					
7.38	1379	1439	5. Grease & Oil (COMPOSITE) 0 lbs.					5
7.08	1378	1491	6. Total Phosphorus (COMPOSITE) 6.42 lbs.					0.5/1.0
7.43	1406	1504	7. Total Dissolved Solids (COMPOSITE) 15556.66 lbs.					1500
6.98	1362	1450						
7.45	1364	1475	SAMPLE LOCATION: Cl2 Contact Chamber					
7.18	1376	1492	Weekly Total Nitrogen Samples					DATE
7.27	1279	1471	#1	Total Nitrogen (Composite)				6-Mar-00
7.17	1335	1455	#2	Total Nitrogen (Composite)				13-Mar-00
7.40	1372	1481	#3	Total Nitrogen (Composite)				20-Mar-00
7.33	1357	1428	#4	Total Nitrogen (Composite)				27-Mar-00
7.39	1353	1479	#5	Total Nitrogen (Composite)				
7.25	1331	1428						83.70 lbs.
7.13	1311	1487						
7.13	1294	1393	SAMPLE LOCATION: LAKE # 1 Eff.					
7.24	1330	1435	EFFLUENT CONSTITUENTS					LIMITS
7.52	1272	1145	1. Ammonia Nitrogen (GRAB)					
7.32	1370	1433	3. Total Phosphorus (COMPOSITE)					0.5/1.0

SAMPLE LOCATION: LAKE #1 Eff.		
Weekly Total Nitrogen Samples		DATE
#1	Total Nitrogen (Composite)	6-Mar-00
#2	Total Nitrogen (Composite)	13-Mar-00
#3	Total Nitrogen (Composite)	20-Mar-00
#4	Total Nitrogen (Composite)	27-Mar-00
#5	Total Nitrogen (Composite)	
		1.97 lbs.

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0 mg/L Monthly Avg. limit
Oct. 1st thru March 31st Max. Daily limit 10 mg/L Monthly Avg. Limit

**STRICT
PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

Mar-00	SAMPLE TYPE: Composite					REPORT DATE: Mar-00		SAMPLE
Apr. 30th, 2000	SAMPLE POINT: Cl ₂ Contact Basin					TITLE: Water Recycling Superintendent		SAMPLE
ling Superintendent	REPORT FREQUENCY: DAILY & 3X/week SIGN BY:							REPORT
	EFFLUENT SAMPLING AND REQUIREMENTS MRF 98-60							
REQUIREMENTS 98-60	DATE	Cl ₂ Residual ug/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE
	1	<2	1.23	2.40	17	7.26	<2/<2	1
	2	<2	1.18			7.09	<2/<2	2
DATE: 3/13/00	3	<2	0.91	2.00		7.18	<2/<2	3
UNITS RESULTS	4	<2	0.79			7.14	<2/<2	4
mg/l 28.6	5	<2	1.17	1.90		7.29	<2/<2	5
mg/l 39.96	6	<2	1.08		22	7.13	<2/<2	6
mg/l 7.05	7	<2	1.43			6.85	<2/<2	7
	8	<2	1.25	2.10	20	6.88	<2/<2	8
DATE 3/6/00	9	<2	0.93			7.3	<2/<2	9
UNITS RESULTS	10	<2	1.15	2.20	16.5	7.31	<2/<2	10
units <15	11	<2	1.19			7.36	<2/<2	11
mg/l 0.1	12	<2	1.19	2.80		7.31	<2/<2	12
% 49	13	<2	1.45		14.5	7.29	<2/<2	13
mg/l ND	14	<2	1.81			7.18	<2/<2	14
mg/l ND	15	<2	1.37	3.40	24	7.38	<2/<2	15
mg/l 0.393	16	<2	1.27			7.15	<2/<2	16
mg/l 953	17	<2	2.09	2.40	16	7.07	<2/<2	17
	18	<2	0.96			7.25	<2/<2	18
	19	<2	1.46			7.09	<2/<2	19
LIMITS RESULTS	20	<2	1.16	2.80	ND	7.26	<2/<2	20
* 4.22	21	<2	1.39			7.28	<2/<2	21
* 6.15	22	<2	1.22	2.40	5.5	7.13	<2/<2	22
* 5.45	23	<2	1.62			6.92	<2/<2	23
* 4.69	24	<2	1.60	2.00	21.5	7.04	<2/<2	24
*	25	<2	1.07			7.22	<2/<2	25
AVG. 5.13	26	<2	0.82			7.28	<2/<2	26
	27	<2	1.81	1.20	6	7.19	<2/<2	27
DATE 3/6/00	28	<2	1.51			7.22	<2/<2	28
UNITS RESULTS	29	<2	1.44	2.50	12	6.92	<2/<2	29
mg/l 0.11	30	<2	1.21			6.86	<2/<2	30
mg/l 0.045	31	<2	4.02	1.80	18.5	7.04	<2/<2	31
	AVG	<2	1.38	2.28	16.13	7.16	<2/<2	AVG

Revised 6/98

25.53 lbs.

180.64 lbs.

LIMITS	RESULTS
*	1.65
*	1.35
*	1.40
*	3.20
*	
AVG.	1.90

at 3.0 mg/L
6.0 mg/L

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUN
FACILITY: SANTEE W

TYPE: Composite			REPORT DATE: Mar-00			SAMPLE TYPE: GRAB		
POINT: C12 Contact Basin			TITLE: Water Recycling Superintendent			SAMPLE FREQUENCY: BIWEEKLY/MONTHLY		
FREQUENCY: 1X/week & 5X/week /Daily			SIGN BY:			COLLECTED BY: RN, DD		
EFFLUENT SAMPLING AND REQUIREMENTS MRP: 98-60						ANALYZED BY: Env. Eng. LAB & D. White		
SPECIFIC CONDUCTANCE umhos / Composite		TOTAL SUSPENDED SOLIDS mg/l / Composite		FLOWRATE MGD		SAMPLE POINT: #1 Carlton Hills B		
1265		1.2		1.6724		RECEIVING WATER SAMPLE		
1189		2.1		1.5973		PADRE DAM MUNICIPAL		
1222		2.6		1.6895		CONSTITUENTS		
1220		0.5		1.5928				
1195		0.2		1.8469				
1160		0.7		1.6537				
1217		2.0		1.6654				
1208		2.0		1.4506		1. FLOW RATE		
1272		1.3		1.6999		2. SPECIFIC CONDUCTANCE		
1286		2.3		1.5938		3. pH		
1252		1.2		1.5234		4. CHLORINE RESIDUAL		
1238		1.0		1.411		5. TURBIDITY		
1236		0.6		1.4765		6. Total /Fecal Coliform 100ml Date 3/2		
1181		1.6		0.8552				
1190		1.4		1.3787		7. AMMONIA NITROGEN [AS N]		
1234		2.2		1.2517		8. NITRATE [AS N]		
1263		1.7		1.0471		9. TOTAL NITROGEN [AS N]		
1254		1.7		1.0265		10. TOTAL PHOSPHORUS		
1356		2.1		0.9328		11. ORTHO PHOSPHATE		
1269		1.9		1.3317		12. GENERAL PLANKTON**		
1263		3.0		1.3257		13. TRANSPARENCY		
1261		2.2		1.2038		14. TOTAL DISSOLVED SOLIDS		
1257		2.0		1.3975		15. DISSOLVED OXYGEN		
1225		5.5		1.2048		16. TEMPERATURE		
1226		2.3		1.2437		* Biweekly between April 1 and October 1, Monthly		
1254		1.6		1.3509		** General Plankton is taken with 25 mesh plankton		
1047		2.1		1.2184		ND - Non-detected		
1198		3.0		0.9396		Revised 6/98		
1203		2.4		0.9183				
1196		2.8		1.2143				
1635		3.3		0.9265				
1241 umhos		2.0 MG/L		1.3432 MGD				

Revised 6/98

21.86 lbs.

ANALYZED BY: Env. Eng. LAB & D. White

SAMPLE POINT: #1 Carlton Hills B

RECEIVING WATER SAMPLING
PADRE DAM MUNICIPAL

CONSTITUENTS

1. FLOW RATE

2. SPECIFIC CONDUCTANCE

3. pH

4. CHLORINE RESIDUAL

5. TURBIDITY

6. Total/Fecal Coliform 100ml Date 3/2

7. AMMONIA NITROGEN [AS N]

8. NITRATE [AS N]

9. TOTAL NITROGEN [AS N]

10. TOTAL PHOSPHORUS

11. ORTHO PHOSPHATE

12. GENERAL PLANKTON**

13. TRANSPARENCY

14. TOTAL DISSOLVED SOLIDS

15. DISSOLVED OXYGEN

16. TEMPERATURE

* Biweekly between April 1 and October 1, Monthly l

** General Plankton is taken with 25 mesh plankton i

ND - Non-detected

Revised 6/98

**MUNICIPAL WATER DISTRICT
WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Mar. 00		SAMPLE TYPE: GRAB		REPORT DATE:	
REPORT DUE: Apr. 30th, 2000		SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE:	
REPORT FREQUENCY: MONTHLY		COLLECTED BY: RN, DD		REPORT FREQUENCY:	
TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent	
SIGNED BY:		SAMPLE POINT: #2 Forrester Creek		SIGNED BY:	
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS		
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		
SAMPLE RESULTS			CONSTITUENTS		
UNITS	DATE	DATE	DATE	UNITS	DATE
	3/6/00				3/6/00
Time	0835			Time	0848
mgd	9.07			1. FLOW RATE	mgd 1.37
umhos	1047			2. SPECIFIC CONDUCTANCE	umhos 1434
units	7.73			3. pH	units 7.94
ug/l	<2			4. CHLORINE RESIDUAL	ug/l <2
NTU	16.4			5. TURBIDITY	NTU 15.4
MPN	500/20			6. Total/Fecal Coliform 100ml	MPN 1300/130
Geo Metric -			Date 3/20		
mg/l	ND			7. AMMONIA NITROGEN [AS N]	mg/l ND
mg/l	0.4			8. NITRATE [AS N]	mg/l 3.42
mg/l	1.67			9. TOTAL NITROGEN [AS N]	mg/l 4.67
mg/l	0.165			10. TOTAL PHOSPHORUS	mg/l 0.218
mg/l	0.070			11. ORTHO PHOSPHATE	mg/l 0.189
See Attached			12. GENERAL PLANKTON**		
Secchi Disc	B/B			13. TRANSPARENCY	Secchi Disc B/B
mg/l	654			14. TOTAL DISSOLVED SOLIDS	mg/l 864
mg/l	5.6			15. DISSOLVED OXYGEN	mg/l 7.5
deg. C	13			16. TEMPERATURE	deg. C 10.7

between October 2 and March 31.

net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**DISTRICT
PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

Mar. 00	SAMPLE TYPE: GRAB	REPORT DATE: Mar. 00	SAMPLE
Apr. 30th, 2000	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Apr. 30th, 2000	SAMPLE
MONTHLY	COLLECTED BY: RN, DD	REPORT FREQUENCY: MONTHLY	COLLEC
Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZ
	SAMPLE POINT: #3 Mast Blvd. Bridge	SIGNED BY:	SAMPLI
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRF No. 98-60			
SAMPLE RESULTS		CONSTITUENTS	
DATE	DATE	UNITS	DATE
			3/6/00
		Time	0905
	1. FLOW RATE	mgd	7.75
	2. SPECIFIC CONDUCTANCE	umhos	732
	3. pH	units	7.65
	4. CHLORINE RESIDUAL	ug/l	<2
	5. TURBIDITY	NTU	8.01
	6. Total/Fecal Coliform 100ml	MPN	1700/130
Geo Metric -			Geo Metric -
	7. AMMONIA NITROGEN [AS N]	mg/l	ND
	8. NITRATE [AS N]	mg/l	0.83
	9. TOTAL NITROGEN [AS N]	mg/l	1.66
	10. TOTAL PHOSPHORUS	mg/l	0.214
	11. ORTHO PHOSPHATE	mg/l	0.103
See Attached	12. GENERAL PLANKTON**	-----	See Attached
	13. TRANSPARENCY	Secchi Disc	B/B
	14. TOTAL DISSOLVED SOLIDS	mg/l	458
	15. DISSOLVED OXYGEN	mg/l	6.35
	16. TEMPERATURE	deg. C	12.6

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

* Biweekly

** General

ND - Non-

Revised 6/98

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM M
FACILITY: SAN**

TYPE: GRAB		REPORT DATE: Mar. 00			SAMPLE TYPE: GRAB		
FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE: Apr. 30th, 2000			SAMPLE FREQUENCY: BIWEEKLY		
COLLECTED BY: RN, DD		REPORT FREQUENCY: MONTHLY			COLLECTED BY: RN, DD		
ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB &		
SAMPLE POINT: #4 Old Mission Dam		SIGNED BY:			SAMPLE POINT: #5 Missic		
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER'S PADRE DAM MU		
CONSTITUENTS		SAMPLE RESULTS				CONSTITUENTS	
	UNITS	DATE	DATE	DATE			
		3/6/00					
	Time	0919					
FLOW RATE	mgd	27.6			1. FLOW RATE		
SPECIFIC CONDUCTANCE	umhos	1230			2. SPECIFIC CONDUCTANCE		
	units	7.93			3. pH		
CHLORINE RESIDUAL	ug/l	<2			4. CHLORINE RESIDUAL		
TURBIDITY	NTU	33.7			5. TURBIDITY		
Fecal Coliform 100ml	MPN	1100/170			6. Total/Fecal Coliform 100ml		
		Geo Metric -					
AMMONIA NITROGEN [AS N]	mg/l	0.15			7. AMMONIA NITROGEN [AS N]		
NITRATE [AS N]	mg/l	0.71			8. NITRATE [AS N]		
TOTAL NITROGEN [AS N]	mg/l	1.65			9. TOTAL NITROGEN [AS N]		
TOTAL PHOSPHORUS	mg/l	0.212			10. TOTAL PHOSPHORUS		
ORTHO PHOSPHATE	mg/l	0.099			11. ORTHO PHOSPHATE		
GENERAL PLANKTON**	----	See Attached			12. GENERAL PLANKTON**		
TRANSPARENCY	Secchi Disc	B/B			13. TRANSPARENCY		
TOTAL DISSOLVED SOLIDS	mg/l	769			14. TOTAL DISSOLVED SOLIDS		
DISSOLVED OXYGEN	mg/l	6.8			15. DISSOLVED OXYGEN		
TEMPERATURE	deg. C	12.3			16. TEMPERATURE		

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**MUNICIPAL WATER DISTRICT
TEE WATER RECLAMATION PLANT**

PADRE DAM MUNICIPAL WATER TREATMENT FACILITY: SANTEE WATER RECLAMATION

	REPORT DATE:	Mar. 00	SAMPLE TYPE:	GRAB	REPORT I
' / MONTHLY *	REPORT DUE:	Apr. 30th, 2000	SAMPLE FREQUENCY:	BIWEEKLY/MONTHLY *	REPORT I
	REPORT FREQUENCY:	MONTHLY	COLLECTED BY:	RN, DD	REPORT I
D. White	TITLE:	Water Recycling Superintendent	ANALYZED BY:	Env. Eng. LAB & D. White	TITLE: V
on Ponds	SIGNED BY:		SAMPLE POINT:	#6 Fashion Valley Rd.	SIGNED F

AMPLING AND ANALYSIS REQUIREMENTS

RECEIVING WATER SAMPLING AND ANAL
PADRE DAM MUNICIPAL WATER DISTRI

		SAMPLE RESULTS			CONSTITUENTS	
	UNITS	DATE	DATE	DATE		UNITS
		3/6/00				
	Time	0950				Time
	mgd	43.2			1. FLOW RATE	mgd
	umhos	1250			2. SPECIFIC CONDUCTANCE	umhos
	units	7.87			3. pH	units
	ug/l	<2			4. CHLORINE RESIDUAL	ug/l
	NTU	781			5. TURBIDITY	NTU
Date 3/20	MPN	230/20			6. Total/Fecal Coliform 100ml	Date 3/20 MPN
		Geo Metric -				
	mg/l	ND			7. AMMONIA NITROGEN [AS N]	mg/l
	mg/l	0.53			8. NITRATE [AS N]	mg/l
	mg/l	1.37			9. TOTAL NITROGEN [AS N]	mg/l
	mg/l	0.208			10. TOTAL PHOSPHORUS	mg/l
	mg/l	0.096			11. ORTHO PHOSPHATE	mg/l
	----	See Attached			12. GENERAL PLANKTON**	----
	Secchi Disc	B/B			13. TRANSPARENCY	Secchi Disc
	mg/l	781			14. TOTAL DISSOLVED SOLIDS	mg/l
	mg/l	7.22			15. DISSOLVED OXYGEN	mg/l
	deg. C	13.8			16. TEMPERATURE	deg. C

Monthly between October 2 and March 31.

plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and M

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**TER DISTRICT
ATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Mar. 00			SAMPLE TYPE: Composite		REPORT DATE: Mar. 00	
DUE: Apr. 30th, 2000			REPORT DUE: MONTHLY		TITLE: Water Recycling Superintendent	
FREQUENCY: MONTHLY			REPORT FREQUENCY: 3X/WEEK		SIGN BY:	
Water Recycling Superintendent			PLANT RAW SLUDGE BOD MRP: 98-60			
BY:			DATE	BOD mg/l	UNITS	
YSIS REQUIREMENTS CT MRP No. 98-60			1	9,228	MG/L	
			2		MG/L	
SAMPLE RESULTS			3	10,125	MG/L	
			4		MG/L	
DATE	DATE	DATE	5	11,215	MG/L	
3/6/00			6		MG/L	
1010			7		MG/L	
38.4			8	10,347	MG/L	
1017			9		MG/L	
7.66			10	8,435	MG/L	
<2			11		MG/L	
0.251			12	20,542	MG/L	
1300/130			13		MG/L	
Geo Metric -			14		MG/L	
ND			15	10,802	MG/L	
0.55			16		MG/L	
1.62			17	14,026	MG/L	
0.251			18		MG/L	
0.108			19		MG/L	
See Attached			20	15,363	MG/L	
B/B			21		MG/L	
636			22	16,543	MG/L	
5.8			23		MG/L	
13.5			24	14,387	MG/L	
March 31.			25		MG/L	
			26		MG/L	
			27	10,953	MG/L	
			28		MG/L	
			29	13,551	MG/L	
			30		MG/L	
			31	13,727	MG/L	
AVG.			12,803	MG/L		

Feb
00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE D
FACILITY:

SAMPLE TYPE: COMPOSITE				REPORT DATE: Feb-00		SAMPLE TYPE: GRAB			
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent		SAMPLE POINT: RAW			
REPORT FREQUENCY: MONTHLY				SIGN BY:		REPORT FREQUENCY:			
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP 98-60						INFLUENT			
DATE	BOD mg/l / 24hr. COMPOSITE	COD mg/l / 24hr. COMPOSITE	Flowrate MGD	DATE	TSS mg/l	Comp./ Grab			
1			2.0203	1	355	Comp.			
2	280	645.5	2.0557	2	260	Comp.			
3			2.0232	3	274	Comp.			
4	259	590.5	1.9956	4	267	Comp.			
5			1.9708	5	307	Comp.			
6			2.0249	6	257	Comp.			
7	368	533.5	1.9718	7	289	Comp.			
8			1.9585	8	441	Comp.			
9	333	901.5	1.9776	9	323	Comp.			
10			1.9710	10	244	Comp.			
11	381	495	2.0040	11	240	Comp.			
12			1.9292	12	301	Comp.			
13			1.9791	13	264	Comp.			
14	286	543.5	1.9209	14	227	Comp.			
15			1.9770	15	270	Comp.			
16	299	576.5	1.9266	16	287	Comp.			
17			1.1622	17	462	Comp.			
18	245	349	1.9269	18	185	Comp.			
19			1.8421	19	259	Comp.			
20			1.6254	20	262	Comp.			
21	285	597.5	2.5875	21	194	Comp.			
22			1.9937	22	212	Comp.			
23	230	504	2.1037	23	207	Comp.			
24			2.0512	24	269	Comp.			
25	220	644	2.0495	25	347	Comp.			
26			1.9885	26	513	Comp.			
27			2.0221	27	324	Comp.			
28	309	655.5	1.9840	28	250	Comp.			
29			2.0299	29	316	Comp.			
AVG.	291	BOD mg/l	586.3	COD mg/l	1.9680	FLOW MGD	AVG.	290	Mg/l

Revised 6/98

57.0729 Total Flow

Revised 6/98

PADRE DAM MUNICIPAL WATER DISTRICT
SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

COMPOSITE		REPORT DATE: Feb-00		SAMPLE TYPE: GRAB & COMPOSITE	
INFLUENT		TITLE: Water Recycling Superintendent		COLLECTED BY: D.D.	
DAILY & 2X/Day		SIGN BY:		ANALYZED BY: Env. Eng. LAB & D. White	
INFLUENT SAMPLING AND REQUIREMENTS MRP 98-60				REPORT FREQUENCY: MONTHLY	
pH		Specific Conductance (umhos/cm)		INFLUENT AND EFFLUENT SAMPLING AND REQUIREMENTS MRP 98-60	
am./ Grab	pm./ Grab	am. / Grab	pm. / Grab	PADRE DAM MUNICIPAL WATER TREATMENT PLANT	
7.22	6.93	1428	1437	SAMPLE LOCATION: RAW INFLUENT	
7.06	7.15	1413	1325	INFLUENT CONSTITUENTS	
7.19	7.25	1364	1395	1. Ammonia Nitrogen (GRAB)	
7.17	7.06	1403	1401	2. Total Nitrogen (COMPOSITE)	
7.08	7.03	1420	1309	3. Total Phosphorus (COMPOSITE)	
7.09	7.31	1421	1328	SAMPLE LOCATION: Cl2 Contact Chamber	
7.02	NT	1450	NT	EFFLUENT CONSTITUENTS	
7.09	7.16	1376	1381	1. Color (Composite)	
7.05	7.28	1389	1389	2. MBAS (Composite) 1.237	
7.15	7.35	1422	1521	3. % Sodium (Composite)	
7.11	7.51	1393	1453	4. Ammonia Nitrogen (Grab)	
7.13	7.24	1486	1296	5. Grease & Oil (COMPOSITE) 5.155	
7.17	7.27	1448	1325	6. Total Phosphorus (COMPOSITE) 6.361	
7.21	7.11	1427	1364	7. Total Dissolved Solids (COMPOSITE) 7547	
7.22	7.30	1445	1413	SAMPLE LOCATION: Cl2 Contact Chamber	
7.22	7.25	1450	1418	Weekly Total Nitrogen Samples	
7.2	NT	1383	NT	#1 Total Nitrogen (Composite)	
7.38	7.56	1431	1360	#2 Total Nitrogen (Composite)	
7.17	7.83	1381	1314	#3 Total Nitrogen (Composite)	
7.2	7.48	1404	1426	#4 Total Nitrogen (Composite)	
7.32	7.84	1220	1358	#5 Total Nitrogen (Composite)	
7.42	7.43	1632	1464	SAMPLE LOCATION: LAKE # 1 Eff.	
7.22	7.49	1616	1528	EFFLUENT CONSTITUENTS	
7.3	7.34	1592	1399	1. Ammonia Nitrogen (GRAB)	
7.18	7.37	1560	1497	3. Total Phosphorus (COMPOSITE)	
7.27	7.25	1537	1523		
7.19	7.25	1461	1555		
7.2	7.27	1451	1516		
7.18	7.13	1431	1501		
7.19	7.31	1443	1415		

SAMPLE LOCATION: LAKE #1 Eff.	
Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th Max. Daily limit 5.0 mg/l
 Oct. 1st thru March 31st Max. Daily limit 10 mg/l

**AL WATER DISTRICT
R RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Feb-00				SAMPLE TYPE: Composite				REPORT DATE:			
REPORT DUE: Mar. 31, 00				SAMPLE POINT: Cl ₂ Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP 98-60							
ID ANALYSIS REQUIREMENTS R DISTRICT MRP 98-60				DATE	Cl ₂ Residual ug/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units		
				1	<2	1.22			7.23		
				2	<2	1.37	3.70	18.5	7.23		
				3	<2	1.30			7.32		
DATE: 2/7/00				4	<2	1.17	3.50	25.0	7.22		
UNITS RESULTS				5	<2	1.16			7.09		
mg/l 30.0				6	<2	1.18			7.06		
mg/l 51.86				7	<2	1.02	3.90	7.5	7.16		
mg/l 6.8				8	<2	1.19			7.16		
DATE: 2/7/00				9	<2	1.25	4.20	24.0	7.06		
LIMITS UNITS RESULTS				10	<2	0.88			7.50		
20 units <15				11	<2	0.98	2.20	25.5	7.08		
lbs. 0.5 mg/l 0.12				12	<2	0.89			7.03		
60 % 50.3				13	<2	0.89			7.16		
mg/l ND				14	<2	0.82	1.80	14.0	7.18		
lbs. 5 mg/l 0.5				15	<2	1.08			6.95		
lbs. 0.5/1.0 mg/l 0.617				16	<2	0.86	1.80	20.5	7.04		
lbs. 1500 mg/l 732				17	<2	0.86			6.93		
				18	<2	0.91	2.80	19.5	6.51		
				19	<2	1.43			7.11		
DATE LIMITS UNITS RESULTS				20	<2	1.47			7.13		
7-Feb-00 * 2.50				21	<2	1.19	3.10	11.5	7.02		
14-Feb-00 * 3.41				22	<2	1.58			7.02		
21-Feb-00 * 5.61				23	<2	1.59	2.40	28.5	7.00		
28-Feb-00 * 4.75				24	<2	1.39			7.03		
* *				25	<2	1.09	3.80	11.5	6.85		
66.54 lbs. AVG. 4.07				26	<2	1.45			7.17		
				27	<2	1.22			7.18		
DATE: 2/7/00				28	<2	0.79	1.80	20.0	7.31		
LIMITS UNITS RESULTS				29	<2	0.92			7.23		
mg/l ND				AVG. <2				1.14	2.92	18.8	7.10
0.5/1.0 mg/l 0.078				Revised 6/98 47.74 lbs. 307.38 lbs.							

DATE	LIMITS	RESULTS
7-Feb-00	*	0.97
14-Feb-00	*	1.53
21-Feb-00	*	1.72
28-Feb-00	*	1.78
	*	
24.53 lbs.	AVG.	1.50

0 mg/L Monthly Avg. limit 3.0 mg/L
 mg/L Monthly Avg. Limit 6.0 mg/L

DISTRICT
TITLE

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

Feb-00

SAMPLE TYPE: Composite

REPORT DATE:

Feb-00

Engineering Superintendent

SAMPLE POINT: Cl₂ Contact Basin

TITLE: Water Recycling Superintendent

REPORT FREQUENCY: 1X/week & 5X/week /Daily

SIGN BY:

EFFLUENT SAMPLING AND REQUIREMENTS MRP 98-60

Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Composite	TOTAL SUSPENDED SOLIDS mg/l / Composite	FLOWRATE MGD
<2/<2	1	1422	2.9	1.5896
<2/<2	2	1374	1.7	1.6114
<2/<2	3	1333	2.9	1.3299
<2/<2	4	1352	1.4	1.0466
<2/<2	5	1515	1.2	1.2902
<2/<2	6	1397	0.6	1.2291
<2/<2	7	1402	1.8	1.0967
<2/<2	8	1239	2.0	1.2382
<2/<2	9	1286	3.4	1.1695
<2/<2	10	1390	1.7	1.3684
<2/<2	11	1308	1.5	1.336
<2/<2	12	1308	1.7	1.3225
<2/<2	13	1330	1.5	1.4912
<2/<2	14	1310	2.1	1.2353
<2/<2	15	1482	2.4	1.6091
<2/<2	16	1281	1.3	1.2713
<2/<2	17	1375	1.4	1.1013
<2/<2	18	1176	1.9	1.6689
<2/<2	19	1332	2.7	1.4913
<2/<2	20	1374	1.8	1.7862
<2/<2	21	1306	2.5	1.8749
<2/<2	22	1344	2.3	1.7799
<2/<2	23	1446	1.9	0.241
<2/<2	24	1473	1.6	2.6582
<2/<2	25	1463	4.0	1.6824
<2/<2	26	1189	1.2	1.5952
<2/<2	27	1092	0.5	1.6506
<2/<2	28	1095	0.9	1.6697
<2/<2	29	1032	1.3	1.5874
<2/<2	AVG.	1325 umhos	1.9 MGD	1.4490
		Revised 6/98	31.06 lbs.	42.0220

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PA

SAMPLE TYPE: GRAB	REPORT DATE: Feb-00	SAMPLE TYPE:
SAMPLE FREQUENCY: BIWEEKLY/MONTHLY*	REPORT DUE: Mar. 31, 00	SAMPLE FREQUE
COLLECTED BY:	REPORT FREQUENCY: MONTHLY	COLLECTED BY:
ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: I
SAMPLE POINT: #1 Carlton Hills Blvd.	SIGNED BY:	SAMPLE POINT:
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60		RECE
CONSTITUENTS	SAMPLE RESULTS	CON
	UNITS DATE DATE DATE	
	2/7/00	
	Time 0838	
1. FLOW RATE	mgd 0.476	1. FLOW RATE
2. SPECIFIC CONDUCTANCE	umhos 2140	2. SPECIFIC CON
3. pH	units 7.59	3. pH
4. CHLORINE RESIDUAL	ug/l <2	4. CHLORINE RES
5. TURBIDITY	NTU 3.31	5. TURBIDITY
6. Total/Fecal Coliform 100ml	MPN 500/200	6. Total/Fecal Coli
	Geo Metric -	
7. AMMONIA NITROGEN [AS N]	mg/l ND	7. AMMONIA NIT
8. NITRATE [AS N]	mg/l 0.24	8. NITRATE [AS N
9. TOTAL NITROGEN [AS N]	mg/l 0.84	9. TOTAL NITROC
10. TOTAL PHOSPHORUS	mg/l 0.048	10. TOTAL PHOSI
11. ORTHO PHOSPHATE	mg/l 0.016	11. ORTHO PHOSI
12. GENERAL PLANKTON**	----- See Attached	12. GENERAL PLA
13. TRANSPARENCY	Secchi Disc B/B	13. TRANSPAREN
14. TOTAL DISSOLVED SOLIDS	mg/l 1338	14. TOTAL DISSOI
15. DISSOLVED OXYGEN	mg/l 5.46	15. DISSOLVED O
16. TEMPERATURE	deg. C 12.6	16. TEMPERATUR
* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.		* Biweekly between A
** General Plankton is taken with 25 mesh plankton net.		** General Plankton is
ND - Non-detected		ND - Non-detected
Revised 6/98		Revised 6/98

MCD

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

GRAB	REPORT DATE: Feb-00	SAMPLE TYPE: GRAB
FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Mar. 31, 00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY
	REPORT FREQUENCY: MONTHLY	COLLECTED BY:
Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White
#2 Forrester Creek	SIGNED BY:	SAMPLE POINT: #3 Mast Blvd. Bridge

RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60
--	--

CONSTITUENTS		SAMPLE RESULTS			CONSTITUENTS
	UNITS	DATE	DATE	DATE	
		2/7/00			
	Time	0847			
	mgd	0.267			1. FLOW RATE
CONDUCTANCE	umhos	2690			2. SPECIFIC CONDUCTANCE
	units	7.73			3. pH
CHLORINE RESIDUAL	ug/l	<2			4. CHLORINE RESIDUAL
	NTU	10.8			5. TURBIDITY
Coliform 100ml	MPN	5000/130			6. Total/Fecal Coliform 100ml
Geo Metric -					
NITROGEN [AS N]	mg/l	0.1			7. AMMONIA NITROGEN [AS N]
NITRATE [AS N]	mg/l	3.21			8. NITRATE [AS N]
TOTAL NITROGEN [AS N]	mg/l	4.57			9. TOTAL NITROGEN [AS N]
TOTAL PHOSPHORUS	mg/l	0.165			10. TOTAL PHOSPHORUS
ORTHO PHOSPHATE	mg/l	0.014			11. ORTHO PHOSPHATE
GENERAL PLANKTON**	----	See Attached			12. GENERAL PLANKTON**
TRANSPARENCY	Secchi Disc	B/B			13. TRANSPARENCY
TOTAL DISSOLVED SOLIDS	mg/l	1681			14. TOTAL DISSOLVED SOLIDS
DISSOLVED OXYGEN	mg/l	6.17			15. DISSOLVED OXYGEN
TEMPERATURE	deg. C	12.8			16. TEMPERATURE

* April 1 and October 1, Monthly between October 2 and March 31.

** Samples taken with 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

MICIPAL WATER DISTRICT
WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WAT
FACILITY: SANTEE WATER RECLAM.

REPORT DATE: Feb-00	SAMPLE TYPE: GRAB	REPORT D.
REPORT DUE: Mar. 31, 00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DI
REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FE
TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Wat
SIGNED BY:	SAMPLE POINT: #4 Old Mission Dam	SIGNED BY

ING AND ANALYSIS REQUIREMENTS	RECEIVING WATER SAMPLING AND ANALY
AL WATER DISTRICT MRP No. 98-60	PADRE DAM MUNICIPAL WATER DISTRI

SAMPLE RESULTS					CONSTITUENTS	
UNITS	DATE	DATE	DATE			UNITS
	2/7/00					
Time	0901					Time
mgd					1. FLOW RATE	mgd
umhos	1275				2. SPECIFIC CONDUCTANCE	umhos
units	7.55				3. pH	units
ug/l	<2				4. CHLORINE RESIDUAL	ug/l
NTU	2.44				5. TURBIDITY	NTU
MPN	2400/20				6. Total/Fecal Coliform 100ml	MPN
Geo Metric -						
mg/l	ND				7. AMMONIA NITROGEN [AS N]	mg/l
mg/l	0.13				8. NITRATE [AS N]	mg/l
mg/l	1.03				9. TOTAL NITROGEN [AS N]	mg/l
mg/l	0.12				10. TOTAL PHOSPHORUS	mg/l
mg/l	0.075				11. ORTHO PHOSPHATE	mg/l
-----	See Attached				12. GENERAL PLANKTON**	-----
Secchi Disc	B/B				13. TRANSPARENCY	Secchi Disc
mg/l	1275				14. TOTAL DISSOLVED SOLIDS	mg/l
mg/l	6.0				15. DISSOLVED OXYGEN	mg/l
deg. C	13.1				16. TEMPERATURE	deg. C

between October 2 and March 31.

net.

* Biweekly between April 1 and October 1, Monthly between October 2 and M

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**WATER DISTRICT
TREATMENT PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Feb-00	SAMPLE TYPE: GRAB	REPORT DATE: Feb-00
DUE: Mar. 31, 00	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY*	REPORT DUE: Mar. 31, 00
FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY: MONTHLY
Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
BY:	SAMPLE POINT: #5 Mission Ponds	SIGNED BY:

SAMPLE REQUIREMENTS	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS
CT MRP No. 98-60	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60

SAMPLE RESULTS			CONSTITUENTS		SAMPLE RESULTS	
DATE	DATE	DATE		UNITS	DATE	DATE
2/7/00					2/7/00	
0917				Time	0938	
2.94			1. FLOW RATE	mgd	2.06	
1306			2. SPECIFIC CONDUCTANCE	umhos	2770	
7.65			3. pH	units	7.64	
<2			4. CHLORINE RESIDUAL	ug/l	<2	
2.69			5. TURBIDITY	NTU	8.01	
2200/20			6. Total/Fecal Coliform 100ml	MPN	230/40	
Geo Metric -					Geo Metric -	
ND			7. AMMONIA NITROGEN [AS N]	mg/l	ND	
ND			8. NITRATE [AS N]	mg/l	ND	
0.64			9. TOTAL NITROGEN [AS N]	mg/l	0.68	
0.106			10. TOTAL PHOSPHORUS	mg/l	0.169	
0.083			11. ORTHO PHOSPHATE	mg/l	0.069	
See Attached			12. GENERAL PLANKTON**	-----	See Attached	
B/B			13. TRANSPARENCY	Secchi Disc	B/B	
1306			14. TOTAL DISSOLVED SOLIDS	mg/l	1731	
7.16			15. DISSOLVED OXYGEN	mg/l	6.09	
13.1			16. TEMPERATURE	deg. C	14.9	

March 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

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PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

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	SAMPLE TYPE: GRAB		REPORT DATE: Feb-00		SAMPI
	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *		REPORT DUE: Mar. 31, 00		REPOR
Y	COLLECTED BY:		REPORT FREQUENCY: MONTHLY		REPOR
dent	ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent		DATE
	SAMPLE POINT: #6 Fashion Valley Rd.		SIGNED BY:		1
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					2
					3
TS	CONSTITUENTS		SAMPLE RESULTS		4
	DATE	UNITS	DATE	DATE	5
			2/7/00		6
		Time	1007		7
	1. FLOW RATE	mgd	4.54		8
	2. SPECIFIC CONDUCTANCE	umhos	2950		9
	3. pH	units	7.62		10
	4. CHLORINE RESIDUAL	ug/l	<2		11
	5. TURBIDITY	NTU	3.41		12
	6. Total/Fecal Coliform 100ml	MPN	800/500		13
			Geo Metric -		14
	7. AMMONIA NITROGEN [AS N]	mg/l	ND		15
	8. NITRATE [AS N]	mg/l	ND		16
	9. TOTAL NITROGEN [AS N]	mg/l	1.14		17
	10. TOTAL PHOSPHORUS	mg/l	0.082		18
	11. ORTHO PHOSPHATE	mg/l	0.051		19
	12. GENERAL PLANKTON**	-----	See Attached		20
	13. TRANSPARENCY	Secchi Disc	B/B		21
	14. TOTAL DISSOLVED SOLIDS	mg/l	1844		22
	15. DISSOLVED OXYGEN	mg/l	4.55		23
	16. TEMPERATURE	deg. C	15.5		24
* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.					25
** General Plankton is taken with 25 mesh plankton net.					26
ND - Non-detected					27
Revised 6/98					28
					29
					30
					31
					AVG

DRE DAM MUNICIPAL WATER DISTRICT
CILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: GRAB		REPORT DATE: Feb-00	
TEST DUE: MONTHLY		TITLE: Water Recycling Superintendent	
TEST FREQUENCY: 3X/WEEK		SIGN BY:	
PLANT RAW SLUDGE BOD MRP 98-60			
BOD mg/l	UNITS		
	MG/L		
13,052	MG/L		
	MG/L		
8,130	MG/L		
	MG/L		
	MG/L		
13,518	MG/L		
	MG/L		
13,562	MG/L		
	MG/L		
12,401	MG/L		
	MG/L		
	MG/L		
26,803	MG/L		
	MG/L		
12,945	MG/L		
	MG/L		
13,400	MG/L		
	MG/L		
	MG/L		
14,584	MG/L		
	MG/L		
6,444	MG/L		
	MG/L		
20,074	MG/L		
	MG/L		
	MG/L		
22,500	MG/L		
	MG/L		
	MG/L		
	MG/L		
14,784	MG/L		

Jan
00

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: Jan. 2000				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: Jan. 2000				SAMPLE TYPE: GRAB & COMPOSITE							
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent				COLLECTED BY: D.D.							
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:				ANALYZED BY: Env. Eng. LAB & D. White							
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								INFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								REPORT FREQUENCY: MONTHLY							
DATE	BOD mg/l / 24hr. COMPOSITE		COD mg/l / 24hr. COMPOSITE		Flowrate MGD		DATE	TSS mg/l	Comp./ Grab	pH am. / Grab pm. / Grab		Specific Conductance (umhos/cm) am. / Grab pm. / Grab		INFLUENT AND EFFLUENT SAMPLING A PADRE DAM MUNICIPAL WATER DISTRICT									
1					2.0034		1	241	Comp.	7.14 7.50		1433 1529		SAMPLE LOCATION: RAW INFLUENT INFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 2. Total Nitrogen (COMPOSITE) 3. Total Phosphorus (COMPOSITE)									
2					2.0520		2	229	Comp.	7.22 7.33		1436 1318											
3	319		599		2.0469		3	226	Comp.	7.40 7.45		1433 1306											
4					2.1154		4	206	Comp.	7.23 7.35		1405 1329											
5	185		516		2.0859		5	209	Comp.	7.39 7.26		1452 1350		SAMPLE LOCATION: C12 Contact Chamber EFFLUENT CONSTITUENTS 1. Color (GRAB) 2. MBAS (GRAB) 1.37 3. % Sodium (GRAB) 4. Ammonia Nitrogen (Grab) 5. Grease & Oil (COMPOSITE) 10.24 6. Total Phosphorus (COMPOSITE) 2.07 7. Total Dissolved Solids (COMPOSITE) 12257.08									
6					2.0674		6	288	Comp.	7.25 7.26		1409 1396											
7	292		535		2.0985		7	387	Comp.	7.36 7.12		1588 1314											
8					2.0709		8	386	Comp.	7.61 7.08		1478 1242											
9					2.0853		9	248	Comp.	7.14 7.31		1473 1404		SAMPLE LOCATION: C12 Contact Chamber Weekly Total Nitrogen Samples #1 Total Nitrogen (Composite) #2 Total Nitrogen (Composite) #3 Total Nitrogen (Composite) #4 Total Nitrogen (Composite) #5 Total Nitrogen (Composite)									
10	230		588		2.1016		10	236	Comp.	7.30 7.25		1502 1345											
11					2.0741		11	374	Comp.	7.36 7.56		1449 1365											
12	118		544		2.1161		12	340	Comp.	7.26 7.34		1407 1364											
13					2.0112		13	316	Comp.	7.33 7.01		1436 1348		SAMPLE LOCATION: LAKE # 1 Eff. EFFLUENT CONSTITUENTS 1. Ammonia Nitrogen (GRAB) 3. Total Phosphorus (COMPOSITE)									
14	379		729		2.0866		14	350	Comp.	7.21 7.03		1451 1341											
15					2.0391		15	295	Comp.	7.33 7.58		1472 1273											
16					2.1207		16	286	Comp.	7.51 7.36		1449 1392											
17	443		632		2.0557		17	350	Comp.	7.32 7.28		1497 1398											
18					2.0488		18	281	Comp.	7.14 7.33		1454 1367											
19	353		728		2.0419		19	284	Comp.	7.16 7.34		1405 1334											
20					2.0287		20	267	Comp.	7.10 7.31		1412 1137											
21	237		621		2.0519		21	317	Comp.	7.11 7.28		1450 1380											
22					2.0144		22	386	Comp.	7.05 7.35		1455 1425											
23					2.0271		23	292	Comp.	7.13 7.29		1384 1334											
24	260		536		2.0170		24	293	Comp.	7.16 7.24		1328 1269											
25					1.9354		25	296	Comp.	7.30 7.07		1383 1503											
26	362		608		1.8655		26	268	Comp.	7.11 7.30		1409 1427											
27					1.9720		27	204	Comp.	6.95 7.04		1387 1359											
28	312		531		2.0486		28	221	Comp.	7.35 7.45		1491 1382											
29					1.9776		29	278	Comp.	6.93 7.05		1407 1410											
30					2.0615		30	256	Comp.	7.06 7.20		1423 1343											
31	280		640		2.0384		31	266	Comp.	7.13 7.41		1441 1431											
AVG.	290	BOD mg/l	601	COD mg/l	2.0439	FLOW MGD	AVG.	286	Mg/l	7.23	7.28	1439	1359										

Revised 6/98

63.3596 Total Flow

Revised 6/98

SAMPLE LOCATION: LAKE #1 Eff.

Weekly Total Nitrogen Samples	
#1	Total Nitrogen (Composite)
#2	Total Nitrogen (Composite)
#3	Total Nitrogen (Composite)
#4	Total Nitrogen (Composite)
#5	Total Nitrogen (Composite)

* Total Nitrogen: April 1st thru Sept. 30th. Max. Daily limit 5.0 mg/l
Oct. 1st thru March 31st Max. Daily limit 10 mg/l

**AL WATER DISTRICT
R RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: Jan. 2000				SAMPLE TYPE: Composite				REPORT DATE: Jan. 2000				SAMPLE TYPE: Composite				REPORT DATE: Jan. 2000			
REPORT DUE: Feb. 29th 2000				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent				SAMPLE POINT: Cl2 Contact Basin				TITLE: Water Recycling Superintendent			
TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week				SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily				SIGN BY:			
SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60								EFFLUENT SAMPLING AND REQUIREMENTS MRP. 98-60							
ND ANALYSIS REQUIREMENTS ER DISTRICT MRP. 98-60				DATE	Cl2 Residual ug/l	Turbidity NTU	BOD5 mg/l 3X/week	COD mg/l 3X/week	pH Units	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Grab	TOTAL SUSPENDED SOLIDS mg /l/ Grab	FLOW MG					
				1	<2	1.40			7.21	<2/<2	2	1382	0.9	1.54					
				2	<2	0.61			7.20	<2/<2	3	1372	0.5	1.5					
DATE: 1/3/00				3	<2	0.97	2.40	6	6.92	<2/<2	4	1374	0.5	1.6					
UNITS RESULTS				4	<2	0.93			6.98	<2/<2	5	1242	1.9	1.21					
mg/l 29				5	<2	0.99	0.80	33	6.94	<2/<2	6	1434	2.3	1.2					
mg/l 48.78				6	<2	1.02			7.00	<2/<2	7	1452	2.7	1.54					
mg/l 6.62				7	<2	0.90	1.60	16	7.16	<2/<2	8	1489	1.6	1.4					
				8	<2	0.83			7.17	<2/<2	9	1317	1.5	1.5					
DATE 1/3/00				9	<2	0.85			7.15	<2/<2	10	1309	1.5	1.6					
LIMITS UNITS RESULTS				10	<2	0.73	2.80	22	7.09	<2/<2	11	1292	1.1	1.34					
20 units <15				11	<2	0.79			7.19	<2/<2	12	1372	1.8	1.3					
lbs. 0.5 mg/l 0.08				12	<2	0.62	0.20	22	7.19	<2/<2	13	1401	2.4	1.3					
60 % 53.2				13	<2	0.68			7.07	<2/<2	14	1313	1.6	1.3					
				14	<2	0.77	1.80	23	7.21	<2/<2	15	1396	0.3	1.1					
				15	<2	1.18			7.19	<2/<2	16	1408	1.3	1.3					
				16	<2	0.99			7.12	<2/<2	17	1354	0.9	1.6					
				17	<2	1.00	8.50	24	7.30	<2/<2	18	1394	1.2	1.0					
				18	<2	0.80			7.35	<2/<2	19	1483	1.0	1.1					
				19	<2	0.86	2.40	11	7.26	<2/<2	20	1424	0.1	1.2					
				20	<2	1.18			7.29	<2/<2	21	1320	1.3	1.1					
DATE LIMITS RESULTS				21	<2	1.23	1.90	23	6.95	<2/<2	22	1246	0.4	1.0					
3-Jan-00 * 8.74				22	<2	1.50			7.23	<2/<2	23	1461	1.6	1.3					
10-Jan-00 * 2.89				23	<2	0.98			7.10	<2/<2	24	1297	1.3	1.3					
17-Jan-00 * 5.03				24	<2	0.89	0.80	13	7.11	<2/<2	25	1170	1.3	1.0					
24-Jan-00 * 3.05				25	<2	0.96			7.20	<2/<2	26	1372	2.4	1.2					
31-Jan-00 * 1.67				26	<2	1.42	3.00	20	7.56	<2/<2	27	1384	2.3	1.3					
72.89 lbs. AVG. 4.28				27	<2	1.47			7.42	<2/<2	28	1312	2.2	1.2					
				28	<2	1.35	2.90	21	7.13	<2/<2	29	1482	0.9	1.6					
DATE LIMITS UNITS RESULTS				29	<2	1.29			7.26	<2/<2	30	1356	2.4	1.5					
				30	<2	0.91			7.20	<2/<2	31	1383	1.4	1.1					
				31	<2	1.16	3.30	19	7.20	<2/<2	AVG.	1408	1.0	0.8					
0.5/1.0 mg/l 0.205				AVG.	<2	1.01	2.49	19	6.98	<2/<2	AVG.	1368 umhos	1.4 MG/L	1.34					

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DATE	LIMITS	RESULTS
3-Jan-00	*	1.74
10-Jan-00	*	1.56
17-Jan-00	*	4.20
24-Jan-00	*	1.42
31-Jan-00	*	2.04
59.48 lbs.	AVG.	2.19

mg/L Monthly Avg. limit 3.0 mg/L
g/L Monthly Avg. Limit 6.0 mg/L

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

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	SAMPLE TYPE: GRAB	REPORT DATE: Jan. 2000		SAMPLE TYPE: GRAB	REPORT DATE: Jan. 2000		SAMPLE TYPE: GRAB
	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Feb. 29th 2000		SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Feb. 29th 2000		SAMPLE FREQUENCY: BIW
	COLLECTED BY:	REPORT FREQUENCY: MONTHLY		COLLECTED BY:	REPORT FREQUENCY: MONTHLY		COLLECTED BY:
RATE	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent		ANALYZED BY: Env. Eng.
383	SAMPLE POINT: #1 Carlton Hills Blvd.	SIGNED BY:		SAMPLE POINT: #2 Forrester Creek	SIGNED BY:		SAMPLE POINT:
709	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING
328	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60			PADRE
948	CONSTITUENTS	SAMPLE RESULTS		CONSTITUENTS	SAMPLE RESULTS		CONSTITUE
468		UNITS DATE DATE DATE			UNITS DATE DATE DATE		
562		1/3/00			1/3/00		
481		Time 0853			Time 0902		
254	1. FLOW RATE	mgd 0.4523		1. FLOW RATE	mgd 0.2961		1. FLOW RATE
773	2. SPECIFIC CONDUCTANCE	umhos 2160		2. SPECIFIC CONDUCTANCE	umhos 1500		2. SPECIFIC CONDUCTAN
879	3. pH	units 7.62		3. pH	units 7.75		3. pH
939	4. CHLORINE RESIDUAL	ug/l <2		4. CHLORINE RESIDUAL	ug/l <2		4. CHLORINE RESIDUAL
574	5. TURBIDITY	NTU 2.1		5. TURBIDITY	NTU 5.99		5. TURBIDITY
489	6. Total/Fecal Coliform 100ml	MPN 500/500		6. Total/Fecal Coliform 100ml	MPN 1300/200		6. Total/Fecal Coliform 100
500		Geo Metric -			Geo Metric -		
561	7. AMMONIA NITROGEN [AS N]	mg/l ND		7. AMMONIA NITROGEN [AS N]	mg/l ND		7. AMMONIA NITROGEN [
896	8. NITRATE [AS N]	mg/l 0.12		8. NITRATE [AS N]	mg/l 2.05		8. NITRATE [AS N]
558	9. TOTAL NITROGEN [AS N]	mg/l 0.12		9. TOTAL NITROGEN [AS N]	mg/l 4.18		9. TOTAL NITROGEN [AS
934	10. TOTAL PHOSPHORUS	mg/l 0.063		10. TOTAL PHOSPHORUS	mg/l 0.252		10. TOTAL PHOSPHORUS
189	11. ORTHO PHOSPHATE	mg/l 0.009		11. ORTHO PHOSPHATE	mg/l 0.119		11. ORTHO PHOSPHATE
245	12. GENERAL PLANKTON**	See Attachment		12. GENERAL PLANKTON**	See Attachment		12. GENERAL PLANKTON
954	13. TRANSPARENCY	Secchi Disc B/B		13. TRANSPARENCY	Secchi Disc B/B		13. TRANSPARENCY
775	14. TOTAL DISSOLVED SOLIDS	mg/l 1350		14. TOTAL DISSOLVED SOLIDS	mg/l 938		14. TOTAL DISSOLVED SO
390	15. DISSOLVED OXYGEN	mg/l 7.18		15. DISSOLVED OXYGEN	mg/l 5.67		15. DISSOLVED OXYGEN
840	16. TEMPERATURE	deg. C 8.9		16. TEMPERATURE	deg. C 9.6		16. TEMPERATURE
481	* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.			* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.			* Biweekly between April 1 and
381	** General Plankton is taken with 25 mesh plankton net.			** General Plankton is taken with 25 mesh plankton net.			** General Plankton is taken wit
327	ND - Non-detected			ND - Non-detected			ND - Non-detected
908	Revised 6/98			Revised 6/98			Revised 6/98
346							
399							
366							
162							

DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

REPORT DATE: Jan. 2000					SAMPLE TYPE: GRAB					REPORT DATE: Jan. 2000					SAMPLE TYPE: GRAB					REPORT DATE: Jan. 2000					SAMPLE TYPE: GRAB				
REPORT DUE: Feb. 29th 2000					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *					REPORT DUE: Feb. 29th 2000					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *					REPORT DUE: Feb. 29th 2000					SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *				
REPORT FREQUENCY: MONTHLY					COLLECTED BY:					REPORT FREQUENCY: MONTHLY					COLLECTED BY:					REPORT FREQUENCY: MONTHLY					COLLECTED BY:				
LAB & D. White					TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White					TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. LAB & D. White					TITLE: V				
#3 Mast Blvd. Bridge					SIGNED BY:					SAMPLE POINT: #4 Old Mission Dam					SIGNED BY:					SAMPLE POINT: #5 Mission Ponds					SIGNED BY:				
WATER SAMPLING AND ANALYSIS REQUIREMENTS					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60					RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60				
SAMPLE RESULTS					CONSTITUENTS					SAMPLE RESULTS					CONSTITUENTS					SAMPLE RESULTS					CONSTITUENTS				
UNITS	UNITS	DATE	DATE	DATE						UNITS	DATE	DATE	DATE							UNITS	DATE	DATE	DATE						
	Time	1\3									1/3/00										Time	0926							
	mgd	0911									0926																		
	umhos	2.1454									3.7613																		
CE	umhos	2080									2250																		
	units	7.61									7.67																		
	ug/l	<2									<2																		
	NTU	2.03									2.34																		
ml	MPN	160,000	/3000								1300/<200																		
		Geo Metric -										Geo Metric -																	
[AS N]	mg/l	ND									ND																		
	mg/l	0.53									0.35																		
N]	mg/l	1.53									1.83																		
	mg/l	0.151									0.141																		
	mg/l	0.113									0.069																		
**		See Attachment										See Attachment																	
	Secd Disc	B/B									B/B																		
SLIDS	mg/l	1300									1406																		
	mg/l	6.36									8.05																		
	deg. C	9.2									9.2																		

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

**TER DISTRICT
ATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: Jan. 2000			SAMPLE TYPE: GRAB			REPORT DATE: Jan. 2000			SAMPLE TYPE: GRAB			REPORT DATE: Jan. 2000			
DUE: Feb. 29th 2000			SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *			REPORT DUE: Feb. 29th 2000			REPORT DUE: MONTHLY			TITLE: Water Recycling Superintendent			
REQUENCY: MONTHLY			COLLECTED BY:			REPORT FREQUENCY: MONTHLY			REPORT FREQUENCY: 3X/WEEK			SIGN BY:			
Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			PLANT RAW SLUDGE BOD MRP. 98-60						
Y:			SAMPLE POINT: #6 Fashion Valley Rd.			SIGNED BY:			DATE		BOD mg/l		UNITS		
YSIS REQUIREMENTS			RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS									1		MG/L	
ICT MRP No. 98-60			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 98-60									2		MG/L	
SAMPLE RESULTS			CONSTITUENTS			SAMPLE RESULTS			3		13,034		MG/L		
DATE	DATE	DATE			UNITS	DATE	DATE	DATE	4		MG/L				
1/3/00					Time	1/3/00			5		9,743		MG/L		
0940					mgd	1005			6				MG/L		
4.1844			1. FLOW RATE		umhos	4.9634			7		10,884		MG/L		
3110			2. SPECIFIC CONDUCTANCE		units	2950			8				MG/L		
7.82			3. pH		ug/l	7.94			9				MG/L		
<2			4. CHLORINE RESIDUAL		NTU	<2			10		12,073		MG/L		
7.68			5. TURBIDITY		MPN	1.58			11				MG/L		
1300/<200			6. Total/Fecal Coliform 100ml		mg/l	1600/800			12		6,153		MG/L		
Geo Metric -					mg/l	Geo Metric -			13				MG/L		
ND			7. AMMONIA NITROGEN [AS N]		ND				14		16,785		MG/L		
ND			8. NITRATE [AS N]		ND				15				MG/L		
1.25			9. TOTAL NITROGEN [AS N]		1.14				16				MG/L		
0.21			10. TOTAL PHOSPHORUS		0.113				17		4,806		MG/L		
0.065			11. ORTHO PHOSPHATE		0.03				18				MG/L		
See Attachment			12. GENERAL PLANKTON**		See Attachment				19		7,736		MG/L		
B/B			13. TRANSPARENCY	Secd Disc	B/B				20				MG/L		
1944			14. TOTAL DISSOLVED SOLIDS	mg/l	1844				21		11,706		MG/L		
8			15. DISSOLVED OXYGEN	mg/l	8.13				22				MG/L		
11.5			16. TEMPERATURE	deg. C	11.8				23				MG/L		
									24		8,474		MG/L		
									25				MG/L		
									26		11,183		MG/L		
									27				MG/L		
									28		10,322		MG/L		
									29				MG/L		
									30				MG/L		
									31		11,548		MG/L		
									AVG.		10,342		MG/L		

arch 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

arch 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

Revised 6/98

Revised 6/98

Annual
1997

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

1 of 2

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

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2 of 2

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SAMPLE TYPE: GRAB				REPORT DATE: Jan. - Dec. 1997				SAMPLE TYPE: GRAB				REPORT DATE: Jan. - Dec. 1997				SAMPLE TYPE: G			
SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 28, 1998				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 28, 1998				SAMPLE FREQUENC			
COLLECTED BY: DD				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD				REPORT FREQUENCY: ANNUAL				COLLECTED BY:			
ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env			
SAMPLE POINT: Plant Raw Influent				SIGNED BY:				SAMPLE POINT: Plant Raw Influent				SIGNED BY:				SAMPLE POINT:			
PLANT INFLUENT AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								PLANT INFLUENT AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								PLAN			
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents			
1. 1,2-Dichlorobenzene	mg/l	18	ND	21. Thallium	ug/l	370	ND	41. Toxaphene	pg/l	690	ND	54. Isophorone	ug/l	610	ND	1. 1,2-Dichlorobenzene			
2. 1,3-Dichlorobenzene	ug/l	2600	ND	22. Aldrin	pg/l	140	ND	42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachoroethylene	ug/l	6.9	ND	2. 1,3-Dichlorobenzene			
3. Endosulfan	ug/l	2.0	ND	23. Benzene	ug/l	21.0	ND	43. Acrylonitrile	ug/l	0.4	ND	56. Trichloroethylene	ug/l	92	ND	3. Endosulfan			
4. Endrin	ug/l	0.8	ND	24. Chlordane	pg/l	81.0	ND	44. Benzidine	ng/l	0.2	ND	57. Vinyl Chloride	ug/l	34	ND	4. Endrin			
5. Fluoranthene	ug/l	42	ND	25. Chloroform	ug/l	480	ND	45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l	130	ND	5. Fluoranthene			
6. Mercury	ng/l	12	ND	26. DDT	pg/l	600	ND	46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachloroethane	ug/l	8.9	ND	6. Mercury			
7. Toluene	mg/l	300	ND	27. 1,4-Dichlorobenzene	ug/l	64	ND	47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l	50	ND	7. Toluene			
8. Acrolein	ug/l	780	ND	28. Dichloroemthane	ug/l	1600	ND	48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND	8. Acrolein			
9. Antimony	mg/l	4.3	ND	29. Dieldrin	pg/l	140	ND	49. Carbon Tetrachloride	ug/l	3.8	ND	62. N-nitrosodimethylamine	ng/l	26	ND	9. Antimony			
10. Chlorobenzene	mg/l	4.5	ND	30. Halomethane	ug/l	480	ND	50. 3,3-Dichlorobenzidine	ug/l	0.03	ND	63. N-nitrosodiphenylame	ug/l	8.8	ND	10. Chlorobenzene			
11. Dibutylphthalate	mg/l	12	ND	31. Heptachlor	ng/l	0.17	ND	51. 1,1,2,2-Tetrachloroethane	ug/l	11.0	ND	64. 1,1,2-Trichloroethane	ug/l	42	ND	11. Dibutylphthalate			
12. Diethylphthalate	mg/l	120	ND	32. Heptachlor Expoxide	ng/l	0.07	ND	52. Hexachlorocyclohexane (alpha)	ng/l	13.0	ND	65. Hexachlorocyclohexane (beta)	ng/l	46		12. Diethylphthalate			
13. 2,4-Dimethyphenol	mg/l	2.3	ND	33. Hexachlorobenzene	ng/l	690	ND	53. Hexachlorocyclohexane (gamma)	ng/l	62	ND					13. 2,4-Dimethyphenol			
14. Dimethylphthalate	mg/l	2900	ND	34. PAH's	ng/l	31	ND									14. Dimethylphthalate			
15. 2,4-Dinitrophenol	mg/l	14	ND	35. PCB's	pg/l	70	ND									15. 2,4-Dinitrophenol			
16. Ethyibenzene	mg/l	29	ND	36. Pentachlorophenol	ug/l	8	ND									16. Ethyibenzene			
17. Nitrobenzene	mg/l	1.9	ND	37. TCDD equivalents	pg/l	0.014	ND									17. Nitrobenzene			
18. 1,1,1-Trichloroethane	mg/l	11	ND	38. Hexachlorocyclopentadiene	mg/l	17	ND									18. 1,1,1-Trichloroethane			
19. Bis(2-Chloroisopropyl) ether	mg/l	170	ND	39. Bis(2-ethylhexyl)-phthalate	ug/l	9.9	ND	ND - Non-detected								19. Bis(2-Chloroisopropyl) ether			
20. 4,6-Dinitro-2-methylphenol	ug/l	770	ND	40. Bis(2-chloroethyl) ether	ug/l	0.62	ND									20. 4,6-Dinitro-2-methylphenol			

ND - Non-detected

ND - Non-de

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

1 of 2

RAB	REPORT DATE:	Jan.-Dec. 1997				
CY: ANNUAL	REPORT DUE:	February 30, 1998				
DD	REPORT FREQUENCY:	ANNUAL				
Eng. Lab & D. White	TITLE:	Water Recycling Superintendent				
Cl ₂ Basin Effluent	SIGNED BY:					
PLANT EFFLUENT AND ANALYSIS REQUIREMENTS						
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48						
Units	Limits	Results	Constituents	Units	Limits	Results
mg/l	18	ND	21. Thallium	ug/l	370	ND
ug/l	2600	ND	22. Aldrin	pg/l	140	ND
ug/l	2.0	ND	23. Benzene	ug/l	21.0	ND
ug/l	0.8	ND	24. Chlordane	pg/l	81.0	ND
ug/l	42	ND	25. Chloroform	ug/l	480	ND
ng/l	12	ND	26. DDT	pg/l	600	ND
mg/l	300	ND	27. 1,4-Dichlorobenzene	ug/l	64	ND
ug/l	780	ND	28. Dichloroethane	ug/l	1600	ND
mg/l	4.3	ND	29. Dieldrin	pg/l	140	ND
mg/l	4.5	ND	30. Halomethane	ug/l	480	ND
mg/l	12	ND	31. Heptachlor	ng/l	0.17	ND
mg/l	120	ND	32. Heptachlor Epoxide	ng/l	0.07	ND
mg/l	2.3	ND	33. Hexachlorobenzene	ng/l	690	ND
mg/l	2900	ND	34. PAH's	ng/l	31	ND
mg/l	14	ND	35. PCB's	pg/l	70	ND
mg/l	29	ND	36. Pentachlorophenol	ug/l	8	ND
mg/l	1.9	ND	37. TCDD equivalents	pg/l	0.014	ND
mg/l	11	ND	38. Hexachlorocyclopentadiene	mg/l	17	ND
mg/l	170	ND	39. Bis(2-ethylhexyl)-phthalate	ug/l	9.9	ND
ug/l	770	ND	40. Bis(2-chloroethyl) ether	ug/l	0.62	ND

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

2 of 2

a

SAMPLE TYPE: GRAB				REPORT DATE: Jan. - Dec. 1997			
SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 30, 1998			
COLLECTED BY:				REPORT FREQUENCY: ANNUAL			
ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent			
SAMPLE POINT: Cl ₂ Basin Effluent				SIGNED BY:			
PLANT EFFLUENT AND ANALYSIS REQUIREMENTS							
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48							
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
41. Toxaphene	pg/l	690	ND	54. Isophorone	ug/l	610	ND
42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachloroethylene	ug/l	6.9	ND
43. Acrylonitrile	ug/l	0.4	ND	56. Trichloroethylene	ug/l	92	ND
44. Benzidine	ng/l	0.2	ND	57. Vinyl Chloride	ug/l	34	ND
45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l	130	ND
46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachloroethane	ug/l	8.9	ND
47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l	50	ND
48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND
49. Carbon Tetrachloride	ug/l	3.8	ND	62. N-nitrosodimethylamine	ng/l	26	ND
50. 3,3-Dichlorobenzidine	ug/l	0.03	ND	63. N-nitrosodiphenylamine	ug/l	8.8	ND
51. 1,1,2,2-Tetrachloroethane	ug/l	11.0	ND	64. 1,1,2-Trichloroethane	ug/l	42	ND
52. Hexachlorocyclohexane (alpha)	ng/l	13.0	ND	65. Hexachlorocyclohexane (beta)	ng/l	46	ND
53. Hexachlorocyclohexane (gamma)	ng/l	62	ND				
ND - Non-detected							

b

SAMPLE TYPE: GRAB			
SAMPLE FREQUENCY: ANNUAL			
COLLECTED BY: DD			
ANALYZED BY: Env. Eng. Lab & D. W			
SAMPLE POINT: Lake # 1 Eff.			
PLANT EFFLUENT AND ANALYSIS REQUIREMENTS			
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			
Constituents	Units	Limits	Results
1. 1,2-Dichlorobenzene	mg/l	18	
2. 1,3-Dichlorobenzene	ug/l	2600	
3. Endosulfan	ug/l	2.0	
4. Endrin	ug/l	0.8	
5. Fluoranthene	ug/l	42	
6. Mercury	ng/l	12	
7. Toluene	mg/l	300	
8. Acrolein	ug/l	780	
9. Antimony	mg/l	4.3	
10. Chlorobenzene	mg/l	4.5	
11. Dibutylphthalate	mg/l	12	
12. Diethylphthalate	mg/l	120	
13. 2,4-Dimethylphenol	mg/l	2.3	
14. Dimethylphthalate	mg/l	2900	
15. 2,4-Dinitrophenol	mg/l	14	
16. Ethylbenzene	mg/l	29	
17. Nitrobenzene	mg/l	1.9	
18. 1,1,1-Trichloroethane	mg/l	11	
19. Bis(2-Chloroisopropyl) ether	mg/l	170	
20. 4,6-Dinitro-2-methylphenol	ug/l	770	

ND - Non-detected

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

Constituents	Units	Limits	Results
1. 1,2-Dichlorobenzene	mg/l	18	
2. 1,3-Dichlorobenzene	ug/l	2600	
3. Endosulfan	ug/l	2.0	
4. Endrin	ug/l	0.8	
5. Fluoranthene	ug/l	42	
6. Mercury	ng/l	12	
7. Toluene	mg/l	300	
8. Acrolein	ug/l	780	
9. Antimony	mg/l	4.3	
10. Chlorobenzene	mg/l	4.5	
11. Dibutylphthalate	mg/l	12	
12. Diethylphthalate	mg/l	120	
13. 2,4-Dimethyphenol	mg/l	2.3	
14. Dimethylphthalate	mg/l	2900	
15. 2,4-Dinitrophenol	mg/l	14	
16. Ethylbenzene	mg/l	29	
17. Nitrobenzene	mg/l	1.9	
18. 1,1,1-Trichloro-ethane	mg/l	11	
19. Bis(2-Chloroisopropyl) ether	mg/l	170	
20. 4,6-Dinitro-2-methylphenol	ug/l	770	

**MUNICIPAL WATER DISTRICT
WATER RECYCLING FACILITY**

1 of 2

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

2 of 2

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

1 of 2

b					c																	
REPORT DATE: Jan. - Dec. 1997					SAMPLE TYPE: GRAB				REPORT DATE: Jan. - Dec. 1997					SAMPLE TYPE: GRAB				REPORT				
REPORT DUE: February 30, 1998					SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 30, 1998					SAMPLE FREQUENCY: ANNUAL				REPORT				
REPORT FREQUENCY: ANNUAL					COLLECTED BY:				REPORT FREQUENCY: ANNUAL					COLLECTED BY: DD				REPORT				
TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. Lab & D. White				TITLE: W				
SIGNED BY:					SAMPLE POINT: Lake #1 Eff.				SIGNED BY:					SAMPLE POINT: Lake #7/ After Alum				SIGNED				
AND ANALYSIS REQUIREMENTS					PLANT EFFLUENT AND ANALYSIS REQUIREMENTS									PLANT EFFLUENT AND ANALYSIS								
CIPAL WATER DISTRICT MRP No. 93-48					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48									PADRE DAM MUNICIPAL WATER DIS								
Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Cons					
ND	21. Thallium	ug/l	370	ND	41. Toxaphene	pg/l	690	ND	54. Isophorone	ug/l	610	ND	1. 1,2-Dichlorobenzene	mg/l	18	ND	21. Thallium					
ND	22. Aldrin	pg/l	140	ND	42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachloroethylene	ug/l	6.9	ND	2. 1,3-Dichlorobenzene	ug/l	2600	ND	22. Aldrin					
ND	23. Benzene	ug/l	21.0	ND	43. Acrylonitrile	ug/l	0.4	ND	56. Trichloroethylene	ug/l	92	ND	3. Endosulfan	ug/l	2.0	ND	23. Benzene					
ND	24. Chlordane	pg/l	81.0	ND	44. Benzidine	ng/l	0.2	ND	57. Vinyl Chloride	ug/l	34	ND	4. Endrin	ug/l	0.8	ND	24. Chlordane					
ND	25. Chloroform	ug/l	480	ND	45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l	130	ND	5. Fluoranthene	ug/l	42	ND	25. Chloroform					
ND	26. DDT	pg/l	600	ND	46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachloroethane	ug/l	8.9	ND	6. Mercury	ng/l	12	ND	26. DDT					
ND	27. 1,4-Dichlorobenzene	ug/l	64	ND	47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l	50	ND	7. Toluene	mg/l	300	ND	27. 1,4-Dichlorobenzene					
ND	28. Dichloroethane	ug/l	1600	ND	48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND	8. Acrolein	ug/l	780	ND	28. Dichloroethane					
ND	29. Dieldrin	pg/l	140	ND	49. Carbon Tetrachloride	ug/l	3.8	ND	62. N-nitrosodimethylamine	ng/l	26	ND	9. Antimony	mg/l	4.3	ND	29. Dieldrin					
ND	30. Halomethane	ug/l	480	ND				63. N-nitrosodiphenylamine	ug/l	8.8	ND	10. Chlorobenzene	mg/l	4.5	ND	30. Halomethane						
ND	31. Heptachlor	ng/l	0.17	ND				64. 1,1,2-Trichloroethane	ug/l	42	ND	11. Dibutylphthalate	mg/l	12	ND	31. Heptachlor						
ND	32. Heptachlor Epoxide	ng/l	0.07	ND				65. Hexachlorocyclohexane (beta)	ng/l	46	ND	12. Diethylphthalate	mg/l	120	ND	32. Heptachlor Epoxide						
ND	33. Hexachlorobenzene	ng/l	690	ND	51. 1,1,2,2-Tetrachloroethane	ug/l	11.0	ND	hexane (alpha)	ng/l	13.0	ND	13. 2,4-Dimethylphenol	mg/l	2.3	ND	33. Hexachlorobenzene					
ND	34. PAH's	ng/l	31	ND	52. Hexachlorocyclohexane (gamma)	ng/l	62	ND				14. Dimethylphthalate	mg/l	2900	ND	34. PAH's						
ND	35. PCB's	pg/l	70	ND	ND	62	ND	15. 2,4-Dinitrophenol				mg/l	14	ND	35. PCB's							
ND	36. Pentachlorophenol	ug/l	8	ND				16. Ethylbenzene				mg/l	29	ND	36. Pentachlorophenol							
ND	37. TCDD equivalents	pg/l	0.014	ND	ND - Non-detected				17. Nitrobenzene	mg/l	1.9	ND	37. TCDD equivalents									
ND	38. Hexachlorocyclopentadiene	mg/l	17	ND					18. 1,1,1-Trichloroethane	mg/l	11	ND	38. Hexachlorocyclopentadiene									
ND	39. Bis(2-ethylhexyl)phthalate	ug/l	9.9	ND					19. Bis(2-Chloroisopropyl) ether	mg/l	170	ND	39. Bis(2-ethylhexyl)phthalate									
ND	40. Bis(2-chloroethyl) ether	ug/l	0.62	ND					20. 4,6-Dinitro-2-methylphenol	ug/l	770	ND	40. Bis(2-chloroethyl) ether									

ND - Non-detected

ND - Non-detected

**WATER DISTRICT
WATER RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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DATE: Jan. - Dec. 1997				SAMPLE TYPE: GRAB				REPORT DATE: Jan. - Dec. 1997				SAMPLE TYPE: GRAB				REPORT DATE: Jan.-Dec			
DUE: February 30, 1998				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 30, 1998				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February			
FREQUENCY: ANNUAL				COLLECTED BY: DD				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD				REPORT FREQUENCY:			
ater Recycling Superintendent				ANALYZED BY: Env. Eng. Lab & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab				TITLE: Water Recycling Superi			
BY:				SAMPLE POINT: Lake #7/ After Alum				SIGNED BY:				SAMPLE POINT: #1 Carlton Hills Bridge				SIGNED BY:			
IS REQUIREMENTS				PLANT EFFLUENT AND ANALYSIS REQUIREMENTS								RECEIVING WATERS SAMPLING AND ANALYSIS REQUI							
TRICT MRP No. 93-48				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-							
titutents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units		
m	ug/l	370	ND	41. Toxaphene	pg/l	690	ND	54. Isophorone	ug/l	610	ND	1. 1,2-Dichlorobenzene	mg/l	18	ND	21. Thallium	ug/l		
	pg/l	140	ND	42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachoroethylene	ug/l	6.9	ND	2. 1,3-Dichlorobenzene	ug/l	2600	ND	22. Aldrin	pg/l		
e	ug/l	21.0	ND	43. Acrylonitrile	ug/l	0.36	ND	56. Trichloroethylene	ug/l	92	ND	3. Endosulfan	ug/l	2.0	ND	23. Benzene	ug/l		
ane	pg/l	81.0	ND	44. Benzidine	ng/l	0.2	ND	57. Vinyl Chloride	ug/l	34	ND	4. Endrin	ug/l	0.8	ND	24. Chlordane	pg/l		
orm	ug/l	480	ND	45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l	130	ND	5. Fluoranthene	ug/l	42	ND	25. Chloroform	ug/l		
	pg/l	600	ND	46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachloroethane	ug/l	8.9	ND	6. Mercury	ng/l	12	ND	26. DDT	pg/l		
lorobenzene	ug/l	64	ND	47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l	50	ND	7. Toluene	mg/l	300	ND	27. 1,4-Dichlorobenzene	ug/l		
oemthane	ug/l	1600	ND	48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND	8. Acrolein	ug/l	780	ND	28. Dichloroemthane	ug/l		
n	pg/l	140	ND					62. N-				9. Antimony	mg/l	4.3	ND	29. Dieldrin	pg/l		
ethane	ug/l	480	ND	49. Carbon Tetrachloride	ug/l	3.8	ND	nitrosodimethylamine	ng/l	26	ND	10. Chlorobenzene	mg/l	4.5	ND	30. Halomethane	ug/l		
hlor	ng/l	0.17	ND					63. N-nitrosodiphenylame	ug/l	8.8	ND	11. Dibutylphthalate	mg/l	12	ND	31. Heptachlor	ng/l		
hlor Expoxide	ng/l	0.07	ND	50. 3,3-Dichlorobenzidine	ug/l	0.03	ND	64. 1,1,2-Trichloroethane	ug/l	42	ND	12. Diethylphthalate	mg/l	120	ND	32. Heptachlor Expoxide	ng/l		
lorobenzene	ng/l	690	ND	51. 1,1,2,2-Tetrachloro-				65. Hexachlorocyclo-				13. 2,4-Dimethylphenol	mg/l	2.3	ND	33. Hexachlorobenzene	ng/l		
	ng/l	31	ND	ethane	ug/l	11.0	ND	hexane (beta)	ng/l	46	ND	14. Dimethylphthalate	mg/l	2900	ND	34. PAH's	ng/l		
	pg/l	70	ND	52. Hexachlorocyclo-								15. 2,4-Dinitrophenol	mg/l	14	ND	35. PCB's	pg/l		
lorophenol	ug/l	8	ND	hexane (alpha)	ng/l	13.0	ND					16. Ethyibenzene	mg/l	29	ND	36. Pentachlorophenol	ug/l		
equivalents	pg/l	0.014	ND	53. Hexachlorocyclo-								17. Nitrobenzene	mg/l	1.9	ND	37. TCDD equivalents	pg/l		
lorocyclo-				hexane (gamma)	ng/l	62	ND					18. 1,1,1-Trichloro-				38. Hexachlorocyclo-			
iene	mg/l	17	ND									ethane	mg/l	11	ND	pentadiene	mg/l		
thylhexyl)-				ND - Non-detected								19. Bis(2-Chloroiso-				39. Bis(2-ethylhexyl)-			
te	ug/l	9.9	ND									propyl) ether	mg/l	170	ND	phthalate	ug/l		
loroethyl)	ug/l	0.62	ND									20. 4,6-Dinitro-2-				40. Bis(2-chloroethyl)			
												methylphenol	ug/l	770	ND	ether	ug/l		

ND - Non-detected

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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1997	SAMPLE TYPE: GRAB	REPORT DATE: Jan.-Dec. 1997
February 30, 1998	SAMPLE FREQUENCY: ANNUAL	REPORT DUE: February 30, 1998
ANNUAL	COLLECTED BY: DD	REPORT FREQUENCY: ANNUAL
Superintendent	ANALYZED BY: Env. Eng. Lab	TITLE: Water Recycling Superintendent
	SAMPLE POINT: #1 Carlton Hills Bridge	SIGNED BY:

**RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48**

Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
370	ND	41. Toxaphene	pg/l	690	ND	54. Isophorone	ug/l	610	ND
140	ND	42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachloroethylene	ug/l	6.9	ND
21.0	ND	43. Acrylonitrile	ug/l	0.4	ND	56. Trichloroethylene	ug/l	92	ND
81.0	ND	44. Benzidine	ng/l	0.2	ND	57. Vinyl Chloride	ug/l	34	ND
480	ND	45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l	130	ND
600	ND	46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachloroethane	ug/l	8.9	ND
64	ND	47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l	50	ND
1600	ND	48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND
140	ND					62. N-nitrosodimethylamine	ng/l	26	ND
480	ND	49. Carbon Tetrachloride	ug/l	3.8	ND	63. N-nitrosodiphenylamine	ug/l	8.8	ND
0.17	ND					64. 1,1,2-Trichloroethane	ug/l	42	ND
0.07	ND	50. 3,3-Dichlorobenzidine	ug/l	0.03	ND	65. Hexachlorocyclohexane (beta)	ng/l	46	ND
690	ND	51. 1,1,2,2-Tetrachloroethane	ug/l	11.0	ND				
31	ND								
70	ND	52. Hexachlorocyclohexane (alpha)	ng/l	13.0	ND				
8	ND								
0.014	ND	53. Hexachlorocyclohexane (gamma)	ng/l	62	ND				
17	ND								
9.9	ND								
0.62	ND								

ND - Non-detected

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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1997	SAMPLE TYPE: GRAB	REPORT DATE: Jan.-Dec. 1997
February 30, 1998	SAMPLE FREQUENCY: ANNUAL	REPORT DUE: February 30, 1998
ANNUAL	COLLECTED BY: DD	REPORT FREQUENCY: ANNUAL
Superintendent	ANALYZED BY: Env. Eng. Lab	TITLE: Water Recycling Superintendent
	SAMPLE POINT: #2 Forrester Creek	SIGNED BY:

**RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48**

Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
18	ND	1. 1,2-Dichlorobenzene	mg/l	2600	ND	21. Thallium	ug/l	370	ND
2.0	ND	2. 1,3-Dichlorobenzene	ug/l	0.8	ND	22. Aldrin	pg/l	140	ND
0.8	ND	3. Endosulfan	ug/l	42	ND	23. Benzene	ug/l	21.0	ND
42	ND	4. Endrin	ug/l	12	ND	24. Chlordane	pg/l	81.0	ND
12	ND	5. Fluoranthene	ug/l	300	ND	25. Chloroform	ug/l	480	ND
300	ND	6. Mercury	ng/l	780	ND	26. DDT	pg/l	600	ND
780	ND	7. Toluene	mg/l	4.3	ND	27. 1,4-Dichlorobenzene	ug/l	64	ND
4.3	ND	8. Acrolein	ug/l	4.5	ND	28. Dichloromethane	ug/l	1600	ND
4.5	ND	9. Antimony	mg/l	12	ND	29. Dieldrin	pg/l	140	ND
12	ND	10. Chlorobenzene	mg/l	120	ND	30. Halomethane	ug/l	480	ND
120	ND	11. Dibutylphthalate	mg/l	2.3	ND	31. Heptachlor	ng/l	0.17	ND
2.3	ND	12. Diethylphthalate	mg/l	2900	ND	32. Heptachlor Epoxide	ng/l	0.07	ND
2900	ND	13. 2,4-Dimethylphenol	mg/l	14	ND	33. Hexachlorobenzene	ng/l	690	ND
14	ND	14. Dimethylphthalate	mg/l	29	ND	34. PAH's	ng/l	31	ND
29	ND	15. 2,4-Dinitrophenol	mg/l	1.9	ND	35. PCB's	pg/l	70	ND
1.9	ND	16. Ethylbenzene	mg/l	11	ND	36. Pentachlorophenol	ug/l	8	ND
11	ND	17. Nitrobenzene	mg/l			37. TCDD equivalents	pg/l	0.014	ND
		18. 1,1,1-Trichloroethane	mg/l			38. Hexachlorocyclopentadiene	mg/l	17	ND
		19. Bis(2-Chloroisopropyl) ether	mg/l	170	ND	39. Bis(2-ethylhexyl)phthalate	ug/l	9.9	ND
		20. 4,6-Dinitro-2-methylphenol	ug/l	770	ND	40. Bis(2-chloroethyl) ether	ug/l	0.62	ND

ND - Non-detected

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

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PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

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SAMPLE TYPE: GRAB				REPORT DATE: Jan.-Dec 1997				SAMPLE TYPE: GRAB				REPORT DATE: Jan.-Dec. 1997				SAMPLE TYPE: GR/			
SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 30, 1998				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 30, 1998				SAMPLE FREQUENCY			
COLLECTED BY: DD				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD				REPORT FREQUENCY: ANNUAL				COLLECTED BY:			
ANALYZED BY: Env. Eng. Lab				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. I			
SAMPLE POINT: #2 Forrester Creek				SIGNED BY:				SAMPLE POINT: #3 Sycamore Creek				SIGNED BY:				SAMPLE POINT:			
RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48											
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents			
41. Toxaphene	pg/l	690	ND	54. Isophorone	ug/l	610	ND	1. 1,2-Dichlorobenzene	mg/l	18	ND	21. Thallium	ug/l	370	ND	41. Toxaphene			
42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachoroethylene	ug/l	6.9	ND	2. 1,3-Dichlorobenzene	ug/l	2600	ND	22. Aldrin	pg/l	140	ND	42. 2,4,6-Trichlorophenol			
43. Acrylonitrile	ug/l	0.4	ND	56. Trichloroethylene	ug/l	92	ND	3. Endosulfan	ug/l	2.0	ND	23. Benzene	ug/l	21.0	ND	43. Acrylonitrile			
44. Benzidine	ng/l	0.2	ND	57. Vinyl Chloride	ug/l	34	ND	4. Endrin	ug/l	0.8	ND	24. Chlordane	pg/l	81.0	ND	44. Benzidine			
45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l	130	ND	5. Fluoranthene	ug/l	42	ND	25. Chloroform	ug/l	480	ND	45. Beryllium			
46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachloroethane	ug/l	8.9	ND	6. Mercury	ng/l	12	ND	26. DDT	pg/l	600	ND	46. 1,1-Dichloroethylene			
47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l	50	ND	7. Toluene	mg/l	300	ND	27. 1,4-Dichlorobenzene	ug/l	64	ND	47. 1,3-Dichloropropene			
48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND	8. Acrolein	ug/l	780	ND	28. Dichloroemthane	ug/l	1600	ND	48. 1,2-Diphenylhydrazine			
				62. N-nitrosodimethylamine	ng/l	26	ND	9. Antimony	mg/l	4.3	ND	29. Dieldrin	pg/l	140	ND				
49. Carbon Tetrachloride	ug/l	3.8	ND	63. N-nitrosodiphenylame	ug/l	8.8	ND	10. Chlorobenzene	mg/l	4.5	ND	30. Halomethane	ug/l	480	ND	49. Carbon Tetrachloride			
				64. 1,1,2-Trichloroethane	ug/l	42	ND	11. Dibutylphthalate	mg/l	12	ND	31. Heptachlor	ug/l	0.17	ND				
50. 3,3-Dichlorobenzidine	ug/l	0.03	ND	65. Hexachlorocyclohexane (beta)	ng/l	46	ND	12. Diethylphthalate	mg/l	120	ND	32. Heptachlor Expoxide	ng/l	0.07	ND	50. 3,3-Dichlorobenzidine			
51. 1,1,2,2-Tetrachloroethane	ug/l	11.0	ND					13. 2,4-Dimethyphenol	mg/l	2.3	ND	33. Hexachlorobenzene	ng/l	690	ND	51. 1,1,2,2-Tetrachloroethane			
52. Hexachlorocyclohexane (alpha)	ng/l	13.0	ND					14. Dimethylphthalate	mg/l	2900	ND	34. PAH's	ng/l	31	ND				
53. Hexachlorocyclohexane (gamma)	ng/l	62	ND					15. 2,4-Dinitrophenol	mg/l	14	ND	35. PCB's	pg/l	70	ND	52. Hexachlorocyclohexane (alpha)			
								16. Ethyibenzene	mg/l	29	ND	36. Pentachlorophenol	ug/l	8	ND				
								17. Nitrobenzene	mg/l	1.9	ND	37. TCDD equivalents	pg/l	0.014	ND	53. Hexachlorocyclohexane (gamma)			
								18. 1,1,1-Trichloroethane	mg/l	11	ND	38. Hexachlorocyclopentadiene	mg/l	17	ND				
								19. Bis(2-Chloroisopropyl) ether	mg/l	170	ND	39. Bis(2-ethylhexyl)-phthalate	ug/l	9.9	ND				
								20. 4,6-Dinitro-2-methylphenol	ug/l	770	ND	40. Bis(2-chloroethyl) ether	ug/l	0.62	ND				

ND - Non-detected

ND - Non-dete

ND - Non-detected

ND - Non-dete

ND - Non-detected

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

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**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

AB			REPORT DATE: Jan-Dec. 1997			SAMPLE TYPE: GRAB			REPORT DATE: Jan. - Dec. 1997			SAMPLE TYPE: GRAB		
F:			ANNUAL			REPORT DUE: February 30, 1998			SAMPLE FREQUENCY: ANNUAL			REPORT DUE: February 30, 1998		
			REPORT FREQUENCY: ANNUAL			COLLECTED BY:			REPORT FREQUENCY: ANNUAL			COLLECTED BY:		
Eng. Lab			TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. Lab			TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. Lab		
#3 Sycamore Creek			SIGNED ND			SAMPLE POINT: #4 Mission Dam			SIGNED BY:			SAMPLE POINT: #4 Mission Dam		
ND			ND			RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS			RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS		
ND			ND			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48		
Units	Limits	Results	ND	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
pg/l	690	ND	54. Isophorone	ug/l	610	ND	1. 1,2-Dichlorobenzene	mg/l	18	ND	21. Thallium	ug/l	370	ND
ug/l	1.0	ND	55. Tetrachloroethylene	ug/l	6.9	ND	2. 1,3-Dichlorobenzene	ug/l	2600	ND	22. Aldrin	pg/l	140	ND
ug/l	0.4	ND	56. Trichloroethylene	ug/l	92	ND	3. Endosulfan	ug/l	2.0	ND	23. Benzene	ug/l	21.0	ND
ng/l	0.2	ND	57. Vinyl Chloride	ug/l	34	ND	4. Endrin	ug/l	0.8	ND	24. Chlordane	pg/l	81.0	ND
ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l	130	ND	5. Fluoranthene	ug/l	42	ND	25. Chloroform	ug/l	480	ND
ug/l	3.2	ND	59. Hexachloroethane	ug/l	8.9	ND	6. Mercury	ng/l	12	ND	26. DDT	pg/l	600	ND
ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l	50	ND	7. Toluene	mg/l	300	ND	27. 1,4-Dichlorobenzene	ug/l	64	ND
ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND	8. Acrolein	ug/l	780	ND	28. Dichloroethane	ug/l	1600	ND
		ND	62. N-nitrosodimethylamine	ng/l	26	ND	9. Antimony	mg/l	4.3	ND	29. Dieldrin	pg/l	140	ND
ug/l	3.8	ND	63. N-nitrosodiphenylamine	ug/l	8.8	ND	10. Chlorobenzene	mg/l	4.5	ND	30. Halomethane	ug/l	480	ND
ug/l	0.03	ND	64. 1,1,2-Trichloroethane	ug/l	42	ND	11. Dibutylphthalate	mg/l	12	ND	31. Heptachlor	ng/l	0.17	ND
ug/l	11.0	ND	65. Hexachlorocyclohexane (beta)	ng/l	46	ND	12. Diethylphthalate	mg/l	120	ND	32. Heptachlor Epoxide	ng/l	0.07	ND
		ND					13. 2,4-Dimethylphenol	mg/l	2.3	ND	33. Hexachlorobenzene	ng/l	690	ND
ng/l	13.0	ND					14. Dimethylphthalate	mg/l	2900	ND	34. PAH's	ng/l	31	ND
ng/l	62	ND					15. 2,4-Dinitrophenol	mg/l	14	ND	35. PCB's	pg/l	70	ND
							16. Ethylbenzene	mg/l	29	ND	36. Pentachlorophenol	ug/l	8	ND
							17. Nitrobenzene	mg/l	1.9	ND	37. TCDD equivalents	pg/l	0.014	ND
							18. 1,1,1-Trichloroethane	mg/l	11	ND	38. Hexachlorocyclopentadiene	mg/l	17	ND
							19. Bis(2-Chloroisopropyl) ether	mg/l	170	ND	39. Bis(2-ethylhexyl)phthalate	ug/l	9.9	ND
							20. 4,6-Dinitro-2-methylphenol	ug/l	770	ND	40. Bis(2-chloroethyl) ether	ug/l	0.62	ND

ected

ND - Non-detected

ND - Non-detected

**MUNICIPAL WATER DISTRICT
WATER RECYCLING FACILITY**

2 of 2

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

1 of 2

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

2 of 2

REPORT DATE: Jan. - Dec. 1997					SAMPLE TYPE: GRAB					REPORT DATE: Jan. - Dec. 1997					SAMPLE TYPE: GRAB					REPORT D				
REPORT DUE: February 30, 1998					SAMPLE FREQUENCY: ANNUAL					REPORT DUE: February 30, 1998					SAMPLE FREQUENCY: ANNUAL					REPORT D				
REPORT FREQUENCY: ANNUAL					COLLECTED BY:					REPORT FREQUENCY: ANNUAL					COLLECTED BY:					REPORT FF				
TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. Lab					TITLE: Water Recycling Superintendent					ANALYZED BY: Env. Eng. Lab					TITLE: Wat				
SIGNED BY:					SAMPLE POINT: #5 Mission Pond					SIGNED BY:					SAMPLE POINT: #5 Mission Pond					SIGNED BY:				
SAMPLING AND ANALYSIS REQUIREMENTS					RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS										RECEIVING WATERS SAMPLING AND AN									
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48					PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48										PADRE DAM MUNICIPAL WATER DISTI									
Results	Constituents		Units	Limits	Results	Constituents		Units	Limits	Results	Constituents		Units	Limits	Results	Constituents		Units	Limits	Results	Consti			
ND	54. Isophorone	ug/l	610	ND	1. 1,2-Dichlorobenzene	mg/l	18	ND	21. Thallium	ug/l	370	ND	41. Toxaphene	pg/l	690	ND	54. Isophoron							
ND	55. Tetrachoroethylene	ug/l	6.9	ND	2. 1,3-Dichlorobenzene	ug/l	2600	ND	22. Aldrin	pg/l	140	ND	42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachoron							
ND	56. Trichloroethylene	ug/l	92	ND	3. Endosulfan	ug/l	2.0	ND	23. Benzene	ug/l	21.0	ND	43. Acrylonitrile	ug/l	0.4	ND	56. Trichlorot							
ND	57. Vinyl Chloride	ug/l	34	ND	4. Endrin	ug/l	0.8	ND	24. Chlordane	pg/l	81.0	ND	44. Benzidine	ng/l	0.2	ND	57. Vinyl Chk							
ND	58. 1,2-Dichloroethane	ug/l	130	ND	5. Fluoranthene	ug/l	42	ND	25. Chloroform	ug/l	480	ND	45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichlo							
ND	59. Hexachloroethane	ug/l	8.9	ND	6. Mercury	ng/l	12	ND	26. DDT	pg/l	600	ND	46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachlor							
ND	60. Hexachlorobutadiene	ug/l	50	ND	7. Toluene	mg/l	300	ND	27. 1,4-Dichlorobenzene	ug/l	64	ND	47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlor							
ND	61. 2,4-Dinitrotoluene	ug/l	9.1	ND	8. Acrolein	ug/l	780	ND	28. Dichloroemthane	ug/l	1600	ND	48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitr							
ND	62. N-			ND	9. Antimony	mg/l	4.3	ND	29. Dieldrin	pg/l	140	ND				ND	62. N-							
ND	nitrosodimethylamine	ng/l	26	ND	10. Chlorobenzene	mg/l	4.5	ND	30. Halomethane	ug/l	480	ND	49. Carbon Tetrachloride	ug/l	3.8	ND	62. Nitrosodie							
	63. N-nitrosodiphenylame	ug/l	8.8	ND	11. Dibutylphthalate	mg/l	12	ND	31. Heptachlor	ng/l	0.17	ND				ND	63. N-nitroso							
ND	64. 1,1,2-Trichloroethane	ug/l	42	ND	12. Diethylphthalate	mg/l	120	ND	32. Heptachlor Expoxide	ng/l	0.07	ND	50. 3,3-Dichlorobenzidine	ug/l	0.03	ND	64. 1,1,2-Trich							
	65. Hexachlorocyclo-				13. 2,4-Dimethylphenol	mg/l	2.3	ND	33. Hexachlorobenzene	ng/l	690	ND	51. 1,1,2,2-Tetrachloro-			ND	65. Hexachlor							
ND	hexane (beta)	ng/l	46	ND	14. Dimethylphthalate	mg/l	2900	ND	34. PAH's	ng/l	31	ND	ethane	ug/l	11.0	ND	65. Hexachlor							
					15. 2,4-Dinitrophenol	mg/l	14	ND	35. PCB's	pg/l	70	ND				ND	hexane (b							
ND					16. Ethyibenzene	mg/l	29	ND	36. Pentachlorophenol	ug/l	8	ND	52. Hexachlorocyclo-											
					17. Nitrobenzene	mg/l	1.9	ND	37. TCDD equivalents	pg/l	0.014	ND	hexane (alpha)	ng/l	13.0	ND								
ND					18. 1,1,1-Trichloro-				38. Hexachlorocyclo-				53. Hexachlorocyclo-											
					ethane	mg/l	11	ND	pentadiene	mg/l	17	ND	hexane (gamma)	ng/l	62	ND								
					19. Bis(2-Chloroisop-				39. Bis(2-ethylhexyl)-				ND - Non-detected											
					proporpyl) ether	mg/l	170	ND	phthalate	ug/l	9.9	ND												
					20. 4,6-Dinitro-2-				40. Bis(2-chloroethyl)															
					methylphenol	ug/l	770	ND	ether	ug/l	0.62	ND												

ND - Non-detected

ND - Non-detected

WATER DISTRICT
WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

1 of 2

2 of 2

DATE: Jan. - Dec. 1997				SAMPLE TYPE: GRAB				REPORT DATE: Jan. - Dec. 1997				SAMPLE TYPE: GRAB				REPORT DATE: Jan. - Dec. 1997			
DUE: February 30, 1998				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 30, 1998				SAMPLE FREQUENCY: ANNUAL				REPORT DUE: February 30, 1998			
FREQUENCY: ANNUAL				COLLECTED BY: DD				REPORT FREQUENCY: ANNUAL				COLLECTED BY: DD				REPORT FREQUENCY: ANNUAL			
Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. Lab				TITLE: Water Recycling Superintendent			
LOCATION: #6 I-5 Estuary				SIGNED BY:				LOCATION: #6 I-5 Estuary				SIGNED BY:				LOCATION: #6 I-5 Estuary			
ANALYSIS REQUIREMENTS				RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS								RECEIVING WATERS SAMPLING AND ANALYSIS REQUIREMENTS							
DISTRICT MRP No. 93-48				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48							
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units		
1,2-Dichlorobenzene	ug/l	610	ND	1. 1,2-Dichlorobenzene	mg/l	18	ND	21. Thallium	ug/l	370	ND	41. Toxaphene	pg/l	690	ND	54. Isophorone	ug/l		
1,3-Dichlorobenzene	ug/l	6.9	ND	2. 1,3-Dichlorobenzene	ug/l	2600	ND	22. Aldrin	pg/l	140	ND	42. 2,4,6-Trichlorophenol	ug/l	1.0	ND	55. Tetrachloroethylene	ug/l		
Endosulfan	ug/l	92	ND	3. Endosulfan	ug/l	2.0	ND	23. Benzene	ug/l	21.0	ND	43. Acrylonitrile	ug/l	0.4	ND	56. Trichloroethylene	ug/l		
Endrin	ug/l	34	ND	4. Endrin	ug/l	0.8	ND	24. Chlordane	pg/l	81.0	ND	44. Benzidine	ng/l	0.2	ND	57. Vinyl Chloride	ug/l		
Fluoranthene	ug/l	130	ND	5. Fluoranthene	ug/l	42	ND	25. Chloroform	ug/l	480	ND	45. Beryllium	ug/l	0.13	ND	58. 1,2-Dichloroethane	ug/l		
Mercury	ug/l	8.9	ND	6. Mercury	ng/l	12	ND	26. DDT	pg/l	600	ND	46. 1,1-Dichloroethylene	ug/l	3.2	ND	59. Hexachloroethane	ug/l		
Toluene	ug/l	50	ND	7. Toluene	mg/l	300	ND	27. 1,4-Dichlorobenzene	ug/l	64	ND	47. 1,3-Dichloropropene	ug/l	31.0	ND	60. Hexachlorobutadiene	ug/l		
Acrolein	ug/l	9.1	ND	8. Acrolein	ug/l	780	ND	28. Dichloroethane	ug/l	1600	ND	48. 1,2-Diphenylhydrazine	ug/l	0.54	ND	61. 2,4-Dinitrotoluene	ug/l		
Antimony	mg/l		ND	9. Antimony	mg/l	4.3	ND	29. Dieldrin	pg/l	140	ND	49. Carbon Tetrachloride	ug/l	3.8	ND	62. N-nitrosodimethylamine	ng/l		
Chlorobenzene	mg/l		ND	10. Chlorobenzene	mg/l	4.5	ND	30. Halomethane	ug/l	480	ND	50. 3,3-Dichlorobenzidine	ug/l	0.03	ND	63. N-nitrosodiphenylamine	ug/l		
Dibutylphthalate	mg/l		ND	11. Dibutylphthalate	mg/l	12	ND	31. Heptachlor	ng/l	0.17	ND	51. 1,1,2,2-Tetrachloroethane	ug/l	11.0	ND	64. 1,1,2-Trichloroethane	ug/l		
Diethylphthalate	mg/l		ND	12. Diethylphthalate	mg/l	120	ND	32. Heptachlor Epoxide	ng/l	0.07	ND	52. Hexachlorocyclohexane (alpha)	ng/l	13.0	ND	65. Hexachlorocyclohexane (beta)	ng/l		
2,4-Dimethoxyphenol	mg/l		ND	13. 2,4-Dimethoxyphenol	mg/l	2.3	ND	33. Hexachlorobenzene	ng/l	690	ND	53. Hexachlorocyclohexane (gamma)	ng/l	62	ND				
Dimethylphthalate	mg/l		ND	14. Dimethylphthalate	mg/l	2900	ND	34. PAH's	ng/l	31	ND								
2,4-Dinitrophenol	mg/l		ND	15. 2,4-Dinitrophenol	mg/l	14	ND	35. PCB's	pg/l	70	ND								
Ethylbenzene	mg/l		ND	16. Ethylbenzene	mg/l	29	ND	36. Pentachlorophenol	ug/l	8	ND								
Nitrobenzene	mg/l		ND	17. Nitrobenzene	mg/l	1.9	ND	37. TCDD equivalents	pg/l	0.014	ND								
1,1,1-Trichloroethane	mg/l		ND	18. 1,1,1-Trichloroethane	mg/l	11	ND	38. Hexachlorocyclopentadiene	mg/l	17	ND								
Bis(2-Chloroisopropyl) ether	mg/l		ND	19. Bis(2-Chloroisopropyl) ether	mg/l	170	ND	39. Bis(2-ethylhexyl)phthalate	ug/l	9.9	ND								
4,6-Dinitro-2-methylphenol	ug/l		ND	20. 4,6-Dinitro-2-methylphenol	ug/l	770	ND	40. Bis(2-chloroethyl) ether	ug/l	0.62	ND								

ND - Non-detected

ND - Non-detected

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EMENTS
8
Limits Results
610 ND
6.9 ND
92 ND
34 ND
130 ND
8.9 ND
50 ND
9.1 ND
26 ND
8.8 ND
42 ND
46 ND

Qtr
Oct-Dec 97

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

SAMPLE TYPE: 24 hr. Composite				REPORT DATE: OCT-DEC 1997				SAMPLE TYPE: (Grab			
SAMPLE FREQUENCY: Quarterly				REPORT DUE: January 30, 1998				SAMPLE FREQUENCY: Quarterly			
COLLECTED BY: DD				REPORT FREQUENCY: Quarterly				COLLECTED BY: DD			
ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White			
SAMPLE POINT: Raw Influent				SIGNED BY:				SAMPLE POINT: Lake # 7/ After Alum			
INFLUENT SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
1. Total Hardness	mg/l		349	16. Dieldrin	pg/l	140	ND	1. Total Hardness	mg/l		287
2. Chlordane	pg/l	81.0	ND	17. Endosulfan	ug/l	2	ND	2. Total Organic Carbon	mg/l		6.7
3. Fluoride	mg/l	1.0	0.4	18. Endrin	ug/l	0.8	ND	3. Fluoride	mg/l	1.0	ND
4. Boron	mg/l	1.0	1.02	19. Heptachlor	ng/l	0.17	ND	4. Boron	mg/l	1.0	0.59
5. Sulfate	mg/l	500	206	20. Lead	ug/l		5	5. Sulfate	mg/l	500	261
6. Chloride	mg/l	400	11.5	21. Mercury	ng/l	12	ND	6. Chloride	mg/l	400	219.9
7. Manganese	mg/l	1.0	0.07	22. Nickel	ug/l		10	7. Manganese	mg/l	1.0	0.11
8. Arsenic	ug/l	190	ND	23. Selenium	ug/l	5.0	ND	8. Arsenic	ug/l	190	ND
9. Cadmium	ug/l		3	24. Silver	ug/l		ND	9. Cadmium	ug/l		ND
10. Chromium (VI)	ug/l	11	ND	25. Toxaphene	pg/l	690	ND	10. Chromium (VI)	ug/l	11	ND
11. Chromium (III)	ug/l	509	ND	26. PCB's	pg/l	70	ND	11. Chromium (III)	ug/l	509	ND
12. Cyanide	ug/l	5.2	ND	27. Tributyltin	ng/l	20	ND	12. Cyanide	ug/l	5.2	ND
13. Copper	ug/l		30	28. Zinc	ug/l	9	100	13. Copper	ug/l		ND
14. DDT	pg/l	600.0	ND	29. Pentachlorophenol	ug/l	8.2	ND	14. DDT	pg/l	600.0	ND
15. Hexachlorocyclohexane-gamma	ng/l	62.0	ND					15. Hexachlorocyclohexane-gamma	ng/l	62.0	ND

ND - Non-detected

ND - Non-detected

**PAL WATER DISTRICT
RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

REPORT DATE: OCT-DEC 1997				SAMPLE TYPE: (Grab				REPORT DATE: OCT-DEC 1997			
REPORT DUE: January 30,1998				SAMPLE FREQUENCY: Quarterly				REPORT DUE: January 30,1998			
REPORT FREQUENCY: Quarterly				COLLECTED BY: DD				REPORT FREQUENCY: Quarterly			
TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent			
SIGNED BY:				SAMPLE POINT: Lake #1				SIGNED BY:			
ANALYSIS REQUIREMENTS				EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS							
ATER DISTRICT MRP No. 93-48				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48							

Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
16. Dieldrin	pg/l	140	ND	1. Total Hardness	mg/l		571	16. Dieldrin	pg/l	140	ND
17. Endosulfan	ug/l	2	ND	2. Total Organic Carbon	mg/l		22.5	17. Endosulfan	ug/l	2	ND
18. Endrin	ug/l	0.8	ND	3. Fluoride	mg/l	1.0	0.3	18. Endrin	ug/l	0.8	ND
19. Heptachlor	ng/l	0.17	ND	4. Boron	mg/l	1.0	1.24	19. Heptachlor	ng/l	0.17	ND
20. Lead	ug/l		ND	5. Sulfate	mg/l	500	472	20. Lead	ug/l		ND
21. Mercury	ng/l	12	ND	6. Chloride	mg/l	400	548.4	21. Mercury	ng/l	12	ND
22. Nickel	ug/l		ND	7. Maganese	mg/l	1.0	0.42	22. Nickel	ug/l		ND
23. Selenium	ug/l	5.0	ND	8. Arsenic	ug/l	190	ND	23. Selenium	ug/l	5.0	ND
24. Silver	ug/l		ND	9. Cadmium	ug/l		ND	24. Silver	ug/l		ND
25. Toxaphene	pg/l	690	ND	10. Chromium (VI)	ug/l	11	ND	25. Toxaphene	pg/l	690	ND
26. PCB's	pg/l	70	ND	11. Chromium (III)	ug/l	509	ND	26. PCB's	pg/l	70	ND
27. Tributyltin	ng/l	20	ND	12. Cyanide	ug/l	5.2	ND	27. Tributyltin	ng/l	20	ND
28. Zinc	ug/l	9	ND	13. Copper	ug/l		ND	28. Zinc	ug/l	9	ND
29. Pentachlorophenol	ug/l	8.2	ND	14. DDT	pg/l	600.0	ND	29. Pentachlorophenol	ug/l	8.2	ND
				15. Hexachlorocyclo- hexane-gamma	ng/l	62.0	ND				

ND - Non-detected

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

SAMPLE TYPE: (Grab				REPORT DATE: OCT-DEC 1997				SAMPLE TYPE: 'Grab			
SAMPLE FREQUENCY: Quarterly				REPORT DUE: January 30,1998				SAMPLE FREQUENCY: Quarterly			
COLLECTED BY: DD				REPORT FREQUENCY: Quarterly				COLLECTED BY: DD			
ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White			
SAMPLE POINT: Plant Chlorine Contact Basin Eff.				SIGNED BY:				SAMPLE POINT: #1 Carlton Hills Blvd. Brg.			
EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS								RECEIVING WATERS AND			
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								PADRE DAM MUNICIPAL W			
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
1. Total Hardness	mg/l		335	16. Dieldrin	pg/l	140	ND	1. Total Hardness	mg/l		684
2. Total Organic Carbon	mg/l		11.1	17. Endosulfan	ug/l	2	ND	2. Total Organic Carbon	mg/l		10.6
3. Fluoride	mg/l	1.0	0.26	18. Endrin	ug/l	0.8	ND	3. Fluoride	mg/l	1.0	0.29
4. Boron	mg/l	1.0	0.54	19. Heptachlor	ng/l	0.17	ND	4. Boron	mg/l	1.0	0.18
5. Sulfate	mg/l	500	298	20. Lead	ug/l		ND	5. Sulfate	mg/l	500	334
6. Chloride	mg/l	400	174.3	21. Mercury	ng/l	12	ND	6. Chloride	mg/l	400	378.2
7. Maganese	mg/l	1.0	0.22	22. Nickel	ug/l		ND	7. Maganese	mg/l	1.0	0.1
8. Arsenic	ug/l	190	ND	23. Selenium	ug/l	5.0	ND	8. Arsenic	ug/l	190	ND
9. Cadmium	ug/l		ND	24. Silver	ug/l		ND	9. Cadmium	ug/l		ND
10. Chromium (VI)	ug/l	11	ND	25. Toxaphene	pg/l	690	ND	10. Chromium (VI)	ug/l	11	ND
11. Chromium (III)	ug/l	509	ND	26. PCB's	pg/l	70	ND	11. Chromium (III)	ug/l	509	ND
12. Cyanide	ug/l	5.2	ND	27. Tributyltin	ng/l	20	ND	12. Cyanide	ug/l	5.2	ND
13. Copper	ug/l		ND	28. Zinc	ug/l	9	20	13. Copper	ug/l		ND
14. DDT	pg/l	600.0	ND	29. Pentachlorophenol	ug/l	8.2	ND	14. DDT	pg/l	600.0	ND
15. Hexachlorocyclohexane-gamma								15. Hexachlorocyclohexane-gamma			
	ng/l	62.0	ND						ng/l	62.0	ND

ND - Non-detected

ND - Non-detected

**PAL WATER DISTRICT
YCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

REPORT DATE: Oct.-Dec. 1997				SAMPLE TYPE: 'Grab				REPORT DATE: Oct. -Dec. 1997			
REPORT DUE: January 30,1998				SAMPLE FREQUENCY: Quarterly				REPORT DUE: January 30,1998			
REPORT FREQUENCY: Quarterly				COLLECTED BY: DD				REPORT FREQUENCY: Quarterly			
TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent			
SIGNED BY:				SAMPLE POINT: #2 Forrester Creek				SIGNED BY:			
ANALYSIS REQUIREMENTS ATER DISTRICT MRP No. 93-48				RECEIVING WATERS AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48							
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
16. Dieldrin	pg/l	140	ND	1. Total Hardness	mg/l		721	16. Dieldrin	pg/l	140	ND
17. Endosulfan	ug/l	2	ND	2. Total Organic Carbon	mg/l		11.4	17. Endosulfan	ug/l	2	ND
18. Endrin	ug/l	0.8	ND	3. Fluoride	mg/l	1.0	0.39	18. Endrin	ug/l	0.8	ND
19. Heptachlor	ng/l	0.17	ND	4. Boron	mg/l	1.0	0.33	19. Heptachlor	ng/l	0.17	ND
20. Lead	ug/l		ND	5. Sulfate	mg/l	500	405	20. Lead	ug/l		ND
21. Mercury	ng/l	12	ND	6. Chloride	mg/l	400	399.3	21. Mercury	ng/l	12	ND
22. Nickel	ug/l		ND	7. Maganese	mg/l	1.0	ND	22. Nickel	ug/l		ND
23. Selenium	ug/l	5.0	ND	8. Arsenic	ug/l	190	ND	23. Selenium	ug/l	5.0	ND
24. Silver	ug/l		ND	9. Cadmium	ug/l		ND	24. Silver	ug/l		ND
25. Toxaphene	pg/l	690	ND	10. Chromium (VI)	ug/l	11	ND	25. Toxaphene	pg/l	690	ND
26. PCB's	pg/l	70	ND	11. Chromium (III)	ug/l	509	ND	26. PCB's	pg/l	70	ND
27. Tributyltin	ng/l	20	ND	12. Cyanide	ug/l	5.2	ND	27. Tributyltin	ng/l	20	ND
28. Zinc	ug/l	9	ND	13. Copper	ug/l		ND	28. Zinc	ug/l	9	10
29. Pentachlorophenol	ug/l	8.2	ND	14. DDT	pg/l	600.0	ND	29. Pentachlorophenol	ug/l	8.2	ND
				15. Hexachlorocyclo- hexane-gamma	ng/l	62.0	ND				

ND - Non-detected

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

SAMPLE TYPE: 'Grab				REPORT DATE: OCT.-DEC. 1997				SAMPLE TYPE: 'Grab			
SAMPLE FREQUENCY: Quarterly				REPORT DUE: January 30,1998				SAMPLE FREQUENCY: Quarterly			
COLLECTED BY: DD				REPORT FREQUENCY: Quarterly				COLLECTED BY: DD			
ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White			
SAMPLE POINT: #3 Sycamore Creek/S.D. River				SIGNED BY:				SAMPLE POINT: #4 Old Mission Dam			
RECEIVING WATERS AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								RECEIVING WATERS AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
1. Total Hardness	mg/l		740	16. Dieldrin	pg/l	140	ND	1. Total Hardness	mg/l		763
2. Total Organic Carbon	mg/l		8.6	17. Endosulfan	ug/l	2	ND	2. Total Organic Carbon	mg/l		20.4
3. Fluoride	mg/l	1.0	0.4	18. Endrin	ug/l	0.8	ND	3. Fluoride	mg/l	1.0	0.39
4. Boron	mg/l	1.0	0.33	19. Heptachlor	ng/l	0.17	ND	4. Boron	mg/l	1.0	0.32
5. Sulfate	mg/l	500	336	20. Lead	ug/l		ND	5. Sulfate	mg/l	500	339
6. Chloride	mg/l	400	500.7	21. Mercury	ng/l	12	ND	6. Chloride	mg/l	400	523.7
7. Maganese	mg/l	1.0	0.21	22. Nickel	ug/l		ND	7. Maganese	mg/l	1.0	0.34
8. Arsenic	ug/l	190	ND	23. Selenium	ug/l	5.0	ND	8. Arsenic	ug/l	190	ND
9. Cadmium	ug/l		ND	24. Silver	ug/l		ND	9. Cadmium	ug/l		ND
10. Chromium (VI)	ug/l	11	ND	25. Toxaphene	pg/l	690	ND	10. Chromium (VI)	ug/l	11	ND
11. Chromium (III)	ug/l	509	ND	26. PCB's	pg/l	70	ND	11. Chromium (III)	ug/l	509	ND
12. Cyanide	ug/l	5.2	ND	27. Tributyltin	ng/l	20	ND	12. Cyanide	ug/l	5.2	ND
13. Copper	ug/l		ND	28. Zinc	ug/l	9	ND	13. Copper	ug/l		ND
14. DDT	pg/l	600.0	ND	29. Pentachlorophenol	ug/l	8.2	ND	14. DDT	pg/l	600.0	ND
15. Hexachlorocyclohexane-gamma								15. Hexachlorocyclohexane-gamma			
	ng/l	62.0	ND						ng/l	62.0	ND

ND - Non-detected

ND - Non-detected

**PAL WATER DISTRICT
RECYCLING FACILITY**

**PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY**

REPORT DATE: OCT.-DEC. 1997				SAMPLE TYPE: Grab				REPORT DATE: OCT.-DEC. 1997			
REPORT DUE: January 30,1998				SAMPLE FREQUENCY: Quarterly				REPORT DUE: January 30,1998			
REPORT FREQUENCY: Quarterly				COLLECTED BY: DD				REPORT FREQUENCY: Quarterly			
TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent			
SIGNED BY:				SAMPLE POINT: #5 Mission Ponds				SIGNED BY:			
ANALYSIS REQUIREMENTS				RECEIVING WATERS AND ANALYSIS REQUIREMENTS							
ATER DISTRICT MRP No. 93-48				PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48							
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
16. Dieldrin	pg/l	140	ND	1. Total Hardness	mg/l		849	16. Dieldrin	pg/l	140	ND
17. Endosulfan	ug/l	2	ND	2. Total Organic Carbon	mg/l		21	17. Endosulfan	ug/l	2	ND
18. Endrin	ug/l	0.8	ND	3. Fluoride	mg/l	1.0	0.33	18. Endrin	ug/l	0.8	ND
19. Heptachlor	ng/l	0.17	ND	4. Boron	mg/l	1.0	0.31	19. Heptachlor	ng/l	0.17	ND
20. Lead	ug/l		ND	5. Sulfate	mg/l	500	340	20. Lead	ug/l		ND
21. Mercury	ng/l	12	ND	6. Chloride	mg/l	400	737.5	21. Mercury	ng/l	12	ND
22. Nickel	ug/l		ND	7. Maganese	mg/l	1.0	0.15	22. Nickel	ug/l		ND
23. Selenium	ug/l	5.0	ND	8. Arsenic	ug/l	190	ND	23. Selenium	ug/l	5.0	ND
24. Silver	ug/l		ND	9. Cadmium	ug/l		ND	24. Silver	ug/l		ND
25. Toxaphene	pg/l	690	ND	10. Chromium (VI)	ug/l	11	ND	25. Toxaphene	pg/l	690	ND
26. PCB's	pg/l	70	ND	11. Chromium (III)	ug/l	509	ND	26. PCB's	pg/l	70	ND
27. Tributyltin	ng/l	20	ND	12. Cyanide	ug/l	5.2	ND	27. Tributyltin	ng/l	20	ND
28. Zinc	ug/l	9	10	13. Copper	ug/l		ND	28. Zinc	ug/l	9	ND
29. Pentachlorophenol	ug/l	8.2	ND	14. DDT	pg/l	600.0	ND	29. Pentachlorophenol	ug/l	8.2	ND
				15. Hexachlorocyclo- hexane-gamma	ng/l	62.0	ND				

ND - Non-detected

PADRE DAM MUNICIPAL WATER DISTRICT
PADRE DAM WATER RECYCLING FACILITY

SAMPLE TYPE: Grab		REPORT DATE: OCT.-DEC. 1997					
SAMPLE FREQUENCY: Quarterly		REPORT DUE: January 30, 1998					
COLLECTED BY: DD		REPORT FREQUENCY: Quarterly					
ANALYZED BY: Env. Eng. LAB & D. White		TITLE: Water Recycling Superintendent					
SAMPLE POINT: #6 I-5 Estuary		SIGNED BY:					
RECEIVING WATERS AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48							
Constituents	Units	Limits	Results	Constituents	Units	Limits	Results
1. Total Hardness	mg/l		4280	16. Dieldrin	pg/l	140	ND
2. Total Organic Carbon	mg/l		11.6	17. Endosulfan	ug/l	2	ND
3. Fluoride	mg/l	1.0	0.67	18. Endrin	ug/l	0.8	ND
4. Boron	mg/l	1.0	3.39	19. Heptachlor	ng/l	0.17	ND
5. Sulfate	mg/l	500	1961	20. Lead	ug/l		ND
6. Chloride	mg/l	400	12920	21. Mercury	ng/l	12	ND
7. Maganese	mg/l	1.0	0.02	22. Nickel	ug/l		ND
8. Arsenic	ug/l	190	ND	23. Selenium	ug/l	5.0	ND
9. Cadmium	ug/l		2	24. Silver	ug/l		ND
10. Chromium (VI)	ug/l	11	ND	25. Toxaphene	pg/l	690	ND
11. Chromium (III)	ug/l	509	ND	26. PCB's	pg/l	70	ND
12. Cyanide	ug/l	5.2	ND	27. Tributyltin	ng/l	20	ND
13. Copper	ug/l		ND	28. Zinc	ug/l	9	ND
14. DDT	pg/l	600.0	ND	29. Pentachlorophenol	ug/l	8.2	ND
15. Hexachlorocyclohexane-gamma	ng/l	62.0	ND				

ND - Non-detected

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE
FACILIT

LE TYPE: GRAB						Report Date: December 30, 1997						SAMPLE TYPE: GRAB						Report Date: December 30, 1997						SAMPLE TYPE: COM					
LE POINT: EFFLUENT						TITLE: Water Recycling Superintendent						SAMPLE POINT: EFFLUENT						TITLE: Water Recycling Superintendent						Collected: DD					
REPORT FREQUENCY: DAILY & 3X/week						SIGN BY:						REPORT FREQUENCY: 1X/week & 5X/week /Daily						SIGN BY:						Analyzed By: Env. Eng					
EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48												EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48												TITLE: Water Recycli					
Cl2 Residual ug/l	Turbidity NTU	pH Units	BOD5 mg/l 3X/week	COD mg/l 3X/week	Lake #7 After Alum Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Grab			TOTAL SUSPENDED SOLIDS mg/l / Grab			FLOWRATE MGD			TITLE: Water Recycli													
																								EFFLUENT					
<2	1.26	6.97	1.5	21	<2 / <2	1	1411			1.4			0.265			SAMPLE LOCATION													
<2	3.38	6.71	0	19	<2 / <2	2	1446			3.2			0.240			#1-WEEK													
<2	0.88	6.74	3.1	24	<2 / <2	3	1479			3.2			0.251			1. Ammonia Nitrogen													
<2	NT	NT	NT	NA	<2 / <2	4	1479			NA			0.249			2. Total Nitrogen (CO													
<2	NT	NT	NT	NA	<2 / <2	5	1519			NA			0.308			3. Total Phosphorus (C													
<2	4.12	6.52	0	44	<2 / <2	6	1446			1.2			0.336																
<2	1.31	6.68	0	23	<2 / <2	7	1279			0.2			0.275			SAMPLE LOCATION													
<2	1.28	6.87	0.3	22	<2 / <2	8	1301			<1			0.324			#2-WEEK													
<2	0.47	6.80	0	18	<2 / <2	9	1400			2			0.321			1. Ammonia Nitrogen													
<2	0.47	6.80	0	18	<2 / <2	10	1478			0.2			0.317			2. Total Nitrogen (CO													
<2	2.54	6.74	NT	75	<2 / <2	11	1501			1.6			0.185			3. Total Phosphorus (C													
<2	0.41	6.61	0	98	<2 / <2	12	1543			0.4			0.267																
<2	0.38	6.51	3.6	90	<2 / <2	13	1525			0.8			0.252			SAMPLE LOCATION													
<2	1.18	6.67	0	74	<2 / <2	14	1524			1.4			0.318			#3-WEEK													
<2	1.38	6.77	0	70	<2 / <2	15	1557			<1			0.211			1. Ammonia Nitrogen													
<2	1.68	6.79	NT	56	<2 / <2	16	1534			3			0.278			2. Total Nitrogen (CO													
<2	1.86	6.82	0	34	<2 / <2	17	1515			6			0.279			3. Total Phosphorus (C													
<2	1.66	6.79	2	5	<2 / <2	18	1563			6.6			0.291																
<2	1.64	6.73	0	25	<2 / <2	19	1521			3.4			0.266			SAMPLE LOCATION													
<2	1.66	6.72	NT	18	<2 / <2	20	1566			1.4			0.246			#4-WEEK													
<2	0.78	6.88	0	28	<2 / <2	21	1536			1.2			0.344			1. Ammonia Nitrogen													
<2	1.34	6.83	0	14	<2 / <2	22	1499			1.2			0.250			2. Total Nitrogen (CO													
<2	1.66	6.76	2.1	17	<2 / <2	23	1511			3.6			0.250			3. Total Phosphorus (C													
<2	2.12	6.82	0	23	<2 / <2	24	1580			1.8			0.287																
<2	3.44	6.81	4.62	24	<2 / <2	25	1594			2.4			0.213			SAMPLE LOCATION													
<2	1.33	6.78	0	31	<2 / <2	26	1578			2.6			0.303			#5-WEEK													
<2	1.11	6.95	2.26	26	<2 / <2	27	1552			1			0.244			1. Ammonia Nitrogen													
<2	2.86	6.90	0	21	<2 / <2	28	1549			1.8			0.245			2. Total Nitrogen (CO													
<2	1.89	6.76	0	28	<2 / <2	29	1595			0.4			0.249			3. Total Phosphorus (C													
<2	1.94	6.85	1.7	29	<2 / <2	30	1562			2.6			0.260																
<2	1.13	6.84	0	28	<2 / <2	31	1584			2.2			0.205			1. Ammonia													
<2	1.14	6.85	2.56	9	<2 / <2	AVG:	1507 umhos			2.1 MG/L			0.269 MGD			2. Total Nitr													
<2	1.65	6.77	1	34	<2 / <2 MPN/100ml											3. Total Pho													

DAM MUNICIPAL WATER DISTRICT
Y: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MI
FACILITY: SANTEE

IPPOSITE Report Date: December 30, 1997
 Report Due: January 30, 1998
 Lab. REPORT FREQUENCY: WEEKLY
 ng Superintendent SIGN BY:
 NT SAMPLING AND REQUIREMENTS MRP: 93-48

SAMPLE TYPE: GRAB REPORT DATE: December 1997
 SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * REPORT DUE: January 30, 1998
 COLLECTED BY: REPORT FREQUENCY: MONTHLY
 Env. Eng. LAB & D. White TITLE: Water Recycling Superintendent

SAMPLE TYPE: GRAB
 SAMPLE FREQUENCY: BIWEEKLY/
 COLLECTED BY: D.D.
 ANALYZED BY: Env. Eng. LAB & D

l: Lake #7 After Alum DATE: 12\01\97

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	ND
MPOSITE)	5	mg/l	1.49
COMPOSITE)	0.8	mg/l	0.248

SAMPLE POINT: #1 Carlton Hills Blvd. Bridge SIGNED BY:
 RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS
 PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48

SAMPLE POINT: #2 Forrester Creek

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	ND
MPOSITE)	5	mg/l	1.49
COMPOSITE)	0.8	mg/l	0.248

l: Lake #7 After Alum DATE: 12\08\97

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	0.19
MPOSITE)	5	mg/l	0.86
COMPOSITE)	0.8	mg/l	0.134

CONSTITUENTS	UNITS	LIMITS	DATE	DATE	DATE
1. FLOW RATE	mgd		12/15		
2. SPECIFIC CONDUCTANCE	umhos		2.919		
3. pH	units	6.5 - 8.5	1705		
4. CHLORINE RESIDUAL	ug/l	2.0	7.46		
5. TURBIDITY	NTU		<2		
6. Total/Fecal Coliform 100ml	MPN		3.11		
			1300/<2		

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	0.19
MPOSITE)	5	mg/l	0.86
COMPOSITE)	0.8	mg/l	0.134

l: Lake #7 After Alum DATE: 12\15\97

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	0.13
MPOSITE)	5	mg/l	0.51
COMPOSITE)	0.8	mg/l	0.303

CONSTITUENTS	UNITS	LIMITS	DATE	DATE	DATE
7. AMMONIA NITROGEN [AS N]	mg/l		0.13		
8. NITRATE [AS N]	mg/l		0.9		
9. TOTAL NITROGEN [AS N]	mg/l	3.0	1.38		
10. TOTAL PHOSPHORUS	mg/l	1.0	0.095		
11. ORTHO PHOSPHATE	mg/l		0.13		
12. GENERAL PLANKTON**	---	---	Attached		
13. TRANSPARENCY	Secchi Disc	---	B/B		
14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1066		
15. DISSOLVED OXYGEN	mg/l	---	6.4		
16. TEMPERATURE	deg. C	---	9.1		

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	ND
MPOSITE)	5	mg/l	0.52
COMPOSITE)	0.8	mg/l	0.183

l: Lake #7 After Alum DATE: 12\22\97

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	ND
MPOSITE)	5	mg/l	0.52
COMPOSITE)	0.8	mg/l	0.183

CONSTITUENTS	UNITS	LIMITS	DATE	DATE	DATE
7. AMMONIA NITROGEN [AS N]	mg/l		0.13		
8. NITRATE [AS N]	mg/l		0.9		
9. TOTAL NITROGEN [AS N]	mg/l	3.0	1.38		
10. TOTAL PHOSPHORUS	mg/l	1.0	0.095		
11. ORTHO PHOSPHATE	mg/l		0.13		
12. GENERAL PLANKTON**	---	---	Attached		
13. TRANSPARENCY	Secchi Disc	---	B/B		
14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1066		
15. DISSOLVED OXYGEN	mg/l	---	6.4		
16. TEMPERATURE	deg. C	---	9.1		

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	ND
MPOSITE)	5	mg/l	0.52
COMPOSITE)	0.8	mg/l	0.183

l: Lake #7 After Alum DATE: 12\29\97

CONSTITUENTS	LIMITS	UNITS	RESULTS
(GRAB)		mg/l	ND
MPOSITE)	5	mg/l	0.7
COMPOSITE)	0.8	mg/l	0.231

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.
 ** General Plankton is taken with 25 mesh plankton net.
 ND - Non-detected

* Biweekly between April 1 and October 1,
 ** General Plankton is taken with 25 mesh
 ND - Non-detected

a Nitrogen Avg 0.064
 rogen Avg 0.816
 sphorus Avg 0.2198

MUNICIPAL WATER DISTRICT SEWAGE WATER RECLAMATION PLANT

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL
FACILITY: SANTEE WATER R**

REPORT DATE: December 1997			SAMPLE TYPE: GRAB			REPORT DATE: December 1997			SAMPLE TYPE: GRAB		
'MONTHLY * REPORT DUE: January 30, 1998			SAMPLE FREQUENCY:BIWEEKLY/MONTHLY *			REPORT DUE : January 30, 1998			SAMPLE FREQUENCY:BIWEEKLY/MONTHLY *		
REPORT FREQUENCY: MONTHLY			COLLECTED BY:			REPORT FREQUENCY: MONTHLY			COLLECTED BY:		
J. White TITLE:Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White		
SIGNED BY:			SAMPLE POINT: #3 Sycamore Creek/S.D. River			SIGNED BY:			SAMPLE POINT: #4 Old Mission Dam		
RECEIVING AND ANALYSIS REQUIREMENTS			RECEIVING AND ANALYSIS REQUIREMENTS			RECEIVING AND ANALYSIS REQUIREMENTS			RECEIVING AND ANALYSIS REQUIREMENTS		
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48		
SAMPLE RESULTS			CONSTITUENTS			SAMPLE RESULTS			CONSTITUENTS		
UNITS	LIMITS	DATE	DATE	DATE	UNITS	LIMITS	DATE	DATE	DATE	UNITS	LIMITS
		12/15					12/15				
mgd		0.55			1. FLOW RATE	mgd		6.598		1. FLOW RATE	mgd
umhos		2940			2. SPECIFIC CONDUCTANCE	umhos		2130		2. SPECIFIC CONDUCTANCE	umhos
units	6.5 - 8.5	7.88			3. pH	units	6.5 - 8.5	7.58		3. pH	units
ug/l	2.0	<2			4. CHLORINE RESIDUAL	ug/l	2.0	<2		4. CHLORINE RESIDUAL	ug/l
NTU		1.75			5. TURBIDITY	NTU		3.26		5. TURBIDITY	NTU
MPN		3000/<2			6. Total/Fecal Coliform 100ml	MPN		5000/<2		6. Total/Fecal Coliform 100ml	MPN
Geo Metric -			Geo Metric -			Geo Metric -			Geo Metric -		
mg/l		0.18			7. AMMONIA NITROGEN [AS N]	mg/l		0.16		7. AMMONIA NITROGEN [AS N]	mg/l
mg/l		9.6			8. NITRATE [AS N]	mg/l		2.1		8. NITRATE [AS N]	mg/l
mg/l	3.0	9.93			9. TOTAL NITROGEN [AS N]	mg/l	3.0	2.57		9. TOTAL NITROGEN [AS N]	mg/l
mg/l	1.0	0.13			10. TOTAL PHOSPHORUS	mg/l	1.0	0.163		10. TOTAL PHOSPHORUS	mg/l
mg/l		0.24			11. ORTHO PHOSPHATE	mg/l		0.3		11. ORTHO PHOSPHATE	mg/l
---	---	Attached			12. GENERAL PLANKTON**	---	---	Attached		12. GENERAL PLANKTON**	---
Secchi Disc	---	B/B			13. TRANSPARENCY	Secchi Disc	---	B/B		13. TRANSPARENCY	Secchi Disc
mg/l	1500	1838			14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1331		14. TOTAL DISSOLVED SOLIDS	mg/l
mg/l	---	9.4			15. DISSOLVED OXYGEN	mg/l	---	7.4		15. DISSOLVED OXYGEN	mg/l
deg. C	---	9.8			16. TEMPERATURE	deg. C	---	9.3		16. TEMPERATURE	deg. C

Monthly between October 2 and March 31.
plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.
 ** General Plankton is taken with 25 mesh plankton net.
 ND - Non-detected

ND - Non-detected

PADRE DAM MUNICIPAL WATER TREATMENT FACILITY; SANTEE WATER RECLAMATION FACILITY

October 2 and March 31. * Biweekly between April 1 and October 1, Monthly between October 2 and March 31. * Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net. ** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected ND - Non-detected

**WATER DISTRICT
TREATMENT PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

DATE: December 1997			SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: December, 1997				SAMPLE TYPE: GRAB					REPORT DATE:																						
DUE: January 30, 1998			COLLECTED BY: D.D.				REPORT DUE: January 30, 1998				SAMPLE POINT: EFFLUENT \ Cl ₂ Contact Basin					TITLE: Water Recycling Superintendent																						
FREQUENCY: MONTHLY			ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent				REPORT FREQUENCY: DAILY & 3X/week					SIGN BY:																						
Water Recycling Superintendent			REPORT FREQUENCY: MONTHLY				SIGNED BY:				EFFLUENT SAMPLING AND REQUIREMENTS																											
BY:			INFLUENT AND EFFLUENT SAMPLING AND ANALYSIS REQUIREMENTS				PADRE DAM MUNICIPAL WATER DISTRICT MRP. 93-48				DATE				Cl₂ Residual ug/l				Turbidity NTU				BOD5 mg/l 3X/week				COD mg/l 3X/week											
ANALYSIS REQUIREMENTS			SAMPLE LOCATION: RAW INFLUENT				DATE: 12/1/97				1				<2								21															
ICT MRP No. 93-48			INFLUENT CONSTITUENTS				LIMITS				UNITS				RESULTS				2				<2								19							
SAMPLE RESULTS			1. Ammonia Nitrogen (GRAB)								mg/l				24.8				3				<2								24							
DATE DATE DATE			2. Total Nitrogen (COMPOSITE)				5.0				mg/l				30.56				4				<2								NA							
12/15			3. Total Phosphorus (COMPOSITE)				0.8				mg/l				5.61				5				<2								NA							
N/F			4. Total Dissolved Solids (COMPOSITE)				1500				mg/l				777				6				<2								44							
1800																			7				<2								23							
7.52																			8				<2								22							
<2																			9				<2								18							
3.2																			10				<2								75							
800/<2																			11				<2								98							
Geo Metric -			SAMPLE LOCATION: LAKE#7 AFTER ALUM				DATE: 12\08\97				12				<2								13				<2								74			
ND			EFFLUENT CONSTITUENTS				LIMITS				UNITS				RESULTS				14				<2								70							
0.28			1. Grease & Oil (COMPOSITE)				5				mg/l				ND				15				<2								56							
0.63			2. Color (GRAB)				40				units				<10				16				<2								34							
0.186			3. MBAS (GRAB)				0.5				mg/l				0.06				17				<2								5							
0.37			4. Total Dissolved Solids (COMPOSITE)				1500				mg/l				791				18				<2								25							
Attached			5. % Sodium (GRAB)				60				%				56.9				19				<2								18							
B/B																			20				<2								28							
1125																			21				<2								14							
7.5			SAMPLE LOCATION: LAKE #1 Eff.				DATE: 12\01\97				22				<2								22				<2								17			
10.2			EFFLUENT CONSTITUENTS				LIMITS				UNITS				RESULTS				23				<2								23							
			1. Grease & Oil (COMPOSITE)				5				mg/l				3.4				24				<2								24							
			2. Color (GRAB)				40				units				>60				25				<2								31							
			3. MBAS (GRAB)				0.5				mg/l				0.06				26				<2								26							
			4. Total Dissolved Solids (COMPOSITE)				1500				mg/l				1296				27				<2								21							
			5. % Sodium (GRAB)				60				%				55.20%				28				<2								28							
																			29				<2								29							
																			30				<2								28							
																			31				<2								9							
																			AVG.				<2								34							

and March 31.

WATER DISTRICT
TREATMENT PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

DATE: Dec-97		SAMPLE TYPE: GRAB		REPORT DATE: Dec-97	
Water Recycling Superintendent		SAMPLE POINT: EFFLUENT \ Cl ₂ Contact Basin		TITLE: Water Recycling Superintendent	
		REPORT FREQUENCY: 1X/week & 5X/week /Daily		SIGN BY:	
RP: 93-48		EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48			
pH	Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Grab	TOTAL SUSPENDED SOLIDS mg/l / Grab	FLOWRATE MGD
6.97		1	1431	1.4	
6.71		2	1396	3.2	
6.74		3	1391	3.2	
NT		4		NA	
NT		5		NA	
6.52		6		1.2	
6.68		7		0.2	
6.87		8		<1	
6.8		9		2	
6.74		10		0.2	
6.61		11		1.6	
6.51		12		0.4	
6.67		13	1411	0.8	
6.77		14	1420	1.4	
6.79		15	1414	<1	
6.82		16	1411	3	
6.79		17	1375	6	
6.73		18	1455	6.6	
6.72		19	1409	3.4	
6.88		20	1479	1.4	
6.83		21	1452	1.2	
6.76		22	1462	1.2	
6.82		23	1399	3.6	
6.81		24	1425	1.8	
6.78		25	1440	2.4	
6.95		26	1416	2.6	
6.9		27	1471	1	
6.76		28	1443	1.8	
6.85		29	1463	0.4	
6.84		30	1420	2.6	
6.85		31	1443	2.2	
6.77		AVG.	umhos	2.1 MG/L	MGD

Dec 97

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: November 30,1997									
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent									
REPORT FREQUENCY: MONTHLY				SIGN BY:									
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48				INFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48									
DATE	BOD mg/l / 24hr. COMPOSITE	COD mg/l / 24hr. COMPOSITE	Flowrate MGD	DATE	TSS mg/l	Comp./ Grab	pH am./ Grab pm./ Grab		Specific Conductance am. / Grab pm. / Grab				
1	0	510	1.891	1	211	Comp.	7.12	7.23	1562	1502			
2	0	575	1.8746	2	243	Comp.	7.38	7.34	1609	1454			
3	272	568	1.9638	3	170	Comp.	7.33	7.32	1495	1474			
4	0	NA	1.9408	4	218	Comp.	7.27	7.21	1610	1505			
5	244	614	1.9677	5	244	Comp.	7.32	7.30	1600	1477			
6	0	558	1.9676	6	202	Comp.	7.37	7.39	1534	1435			
7	313	460	1.8693	7	244	Comp.	7.27	7.41	1517	1477			
8	0	511	1.9456	8	239	Comp.	7.30	7.12	1565	1510			
9	0	530	1.8905	9	241	Comp.	7.36	7.03	1517	1349			
10	249	565	1.9861	10	228	Comp.	7.27	7.11	1569	1519			
11	0	565	1.9373	11	214	Comp.	7.08	7.04	1536	1436			
12	236	519	1.896	12	202	Comp.	7.21	7.11	1585	1455			
13	0	522	2.13	13	207	Comp.	7.20	7.08	1537	1460			
14	308	641	2.0347	14	296	Comp.	7.13	7.14	1652	1487			
15	0	567	1.9599	15	315	Comp.	7.22	7.21	1547	1507			
16		686	1.9098	16	299	Comp.	7.37	7.62	1608	1600			
17	228	648	1.9252	17	241	Comp.	7.22	7.38	1684	1440			
18		634	1.9599	18	276	Comp.	7.33	7.30	1639	1586			
19	296	552	1.954	19	213	Comp.	7.39	7.59	1574	1463			
20		502	1.8608	20	226	Comp.	7.40	7.27	1669	1503			
21	230	480	1.9773	21	225	Comp.	7.23	7.19	1668	1458			
22	0	506	1.9382	22	237	Comp.	7.41	7.23	1588	1517			
23	0	559	1.9462	23	232	Comp.	7.38	7.33	1650	1463			
24	231	460	1.9195	24	241	Comp.	7.35	7.52	1630	1496			
25	0	508	1.9911	25	261	Comp.	7.23	7.42	1648	1481			
26	299	683	1.9757	26	270	Comp.	7.33	7.23	1580	1462			
27	0	599	1.9212	27	264	Comp.	7.29	7.28	1631	1401			
28	296	547	1.9459	28	242	Comp.	7.37	7.19	1615	1501			
29	0	562	1.9056	29	273	Comp.	7.48	7.33	1686	1448			
30	0	524	1.9858	30	250	Comp.	7.11	7.39	1615	1490			
AVG.	267	BOD mg/l	557	COD mg/l	1.9457	FLOW MGD	AVG.	241	Mg/l	7.29	7.28	1597	1479

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: GRAB							REPORT DATE: November 30,1997			
SAMPLE POINT: EFFLUENT							TITLE: Water Recycling Superintendent			
REPORT FREQUENCY: DAILY & 3X/week SIGN BY:							REPORT FREQUENCY:1X/week & 5X/week /Daily SIGN BY:			
EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48							EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48			
	Cl2 Residual	Turbidity	pH	BOD5 mg/l	COD mg/l	Lake #7 After Alum	DATE	SPECIFIC CONDUCTANCE	TOTAL SUSPENDED SOLIDS	FLOWRATE
DATE	ug/l	NTU	Units	3X/week	3X/week	Total / fecal Coliform		umhos / Grab	mg/l / Grab	MGD
						MPN/100ml - DAILY	1	1436	0	0.420
1	<2	2.23	6.69	0	0	<2 / <2	2	1458	0	0.517
2	<2	1.06	6.66	0	0	<2 / <2	3	1440	0.4	0.324
3	<2	1.14	6.71	1.4	4	<2 / <2	4	1433	3.4	0.481
4	<2	1.18	6.61	0	0	<2 / <2	5	1445	2.6	0.397
5	<2	1.09	6.69	3.3	7	<2 / <2	6	1426	6	0.461
6	<2	2.66	6.67	0	0	<2 / <2	7	1455	2.4	0.419
7	<2	1.66	6.62	0.69	11	<2 / <2	8	1433	0	0.417
8	<2	0.72	6.73	0	0	<2 / <2	9	1446	0	0.372
9	<2	0.98	6.83	0	0	<2 / <2	10	1447	3.4	0.403
10	<2	1.45	6.74	0.3	NA	<2 / <2	11	1399	1.4	0.477
11	<2	1.18	6.75	0	0	<2 / <2	12	1354	8	0.411
12	<2	3.55	6.67	1.22	9	<2 / <2	13	1436	9	0.508
13	<2	2.54	6.86	0		<2 / <2	14	1379	15.6	0.402
14	<2	1.75	6.69	NA	NA	500 / 220	15	1424	0	0.410
15	<2	0.91	6.70	0	0	<2 / <2	16	1450	0	0.343
16	<2	0.78	6.85	0	0	<2 / <2	17	1478	2.8	0.343
17	<2	1.02	6.72	1.2	165	<2 / <2	18	1481	7	0.314
18	<2	1.80	6.74	0	0	<2 / <2	19	1473	14	0.304
19	<2	1.66	6.77	0.84	14	<2 / <2	20	1491	0.8	0.353
20	<2	1.34	6.64	0	0	<2 / <2	21	1476	5.7	0.304
21	<2	1.30	6.61	0.95	7	<2 / <2	22	1479	0	0.300
22	<2	1.57	6.68		0	<2 / <2	23	1480	0	0.284
23	<2	0.86	6.82	0	0	<2 / <2	24	1483	4.4	0.322
24	<2	1.72	6.81	0.14	4	<2 / <2	25	1469	6	0.187
25	<2	0.22	6.86	0	0	<2 / <2	26	1466	8.4	0.366
26	<2	1.20	6.75	0.73	2	<2 / <2	27	1387	8.8	0.294
27	<2	1.14	6.93	0	0	<2 / <2	28	1414	5.4	0.223
28	<2	2.03	6.78	0.82	NA	<2 / <2	29	1459	0	0.310
29	<2	1.16	6.70	0	0	4 / <2	30	1461	0	0.335
30	<2	1.37	6.72	0	0	<2 / <2	AVG.	1445 umhos	3.85 MG/L	0.367 MGD
AVG.		1.44	6.73	1.05	25	MPN/100ml				

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE	REPORT DATE: November ,1997
COLLECTED BY: DD	REPORT DUE: December 30,1997
ANALYZED BY: Env. Eng. Lab.	REPORT FREQUENCY: WEEKLY
TITLE: Water Recycling Superintendent	SIGN BY:
EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48	

SAMPLE LOCATION: Lake #7 After Alum		DATE: 11/3/97	
#1-WEEK CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	0.2
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.427

SAMPLE LOCATION: Lake #7 After Alum		DATE: 11/10/97	
#2-WEEK CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	0.21
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.163

SAMPLE LOCATION: Lake #7 After Alum		DATE: 11/17/97	
#3-WEEK CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	0.27
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.183

SAMPLE LOCATION: Lake #7 After Alum		DATE: 11/24/97	
#4-WEEK CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	0.66
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.205

SAMPLE LOCATION: Lake #7 After Alum		DATE: N/A	
#5-WEEK CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	N/A
2. Total Nitrogen (COMPOSITE)	5	mg/l	N/A
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	N/A

1. Ammonia Nitrogen	Avg	0
2. Total Nitrogen	Avg	0.335
3. Total Phosphorus	Avg	0.2445

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: GRAB	REPORT DATE: November ,1997
SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: December 30,1997
COLLECTED BY: DD	REPORT FREQUENCY: MONTHLY
ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
SAMPLE POINT: #1 Carlton Hills Blvd. Bridge	SIGNED BY:

RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS			PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48		
CONSTITUENTS			SAMPLE RESULTS		
	UNITS	LIMITS	DATE	DATE	DATE
			11/3/97		
1. FLOW RATE	mgd		0.527		
2. SPECIFIC CONDUCTANCE	umhos		1984		
3. pH	units	6.5 - 8.5	7.44		
4. CHLORINE RESIDUAL	ug/l	2.0	<2		
5. TURBIDITY	NTU		2.58		
6. Total/Fecal Coliform 100ml	MPN		800/<2		
			Geo Metric -		
7. AMMONIA NITROGEN [AS N]	mg/l		ND		
8. NITRATE [AS N]	mg/l		ND		
9. TOTAL NITROGEN [AS N]	mg/l	3.0	1.02		
10. TOTAL PHOSPHORUS	mg/l	1.0	0.098		
11. ORTHO PHOSPHATE	mg/l				
12. GENERAL PLANKTON**	-----	-----	Attached		
13. TRANSPARENCY	Secchi Disc	-----	B/B		
14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1240		
15. DISSOLVED OXYGEN	mg/l	-----	4.9		
16. TEMPERATURE	deg. C	-----	14.1		

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

SAMPLE TYPE: GRAB			REPORT DATE: November ,1997			SAMPLE TYPE: GRAB			REPORT DATE: November ,1997		
SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *			REPORT DUE: December 30,1997			SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *			REPORT DUE: December 30,1997		
COLLECTED BY: DD			REPORT FREQUENCY: MONTHLY			COLLECTED BY: DD			REPORT FREQUENCY: MONTHLY		
ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent			ANALYZED BY: Env. Eng. LAB & D. White			TITLE: Water Recycling Superintendent		
SAMPLE POINT: #2 Forrester Creek			SIGNED BY:			SAMPLE POINT: #3 Sycamore Creek/S.D. River			SIGNED BY:		
RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS						RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS					
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48						PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48					
CONSTITUENTS			SAMPLE RESULTS			CONSTITUENTS			SAMPLE RESULTS		
	UNITS	LIMITS	DATE	DATE	DATE		UNITS	LIMITS	DATE	DATE	DATE
			11/3/97						11/3/97		
1. FLOW RATE	mgd		0.385			1. FLOW RATE	mgd		0.919		
2. SPECIFIC CONDUCTANCE	umhos		2810			2. SPECIFIC CONDUCTANCE	umhos		2410		
3. pH	units	6.5 - 8.5	7.83			3. pH	units	6.5 - 8.5	7.36		
4. CHLORINE RESIDUAL	ug/l	2.0	<2			4. CHLORINE RESIDUAL	ug/l	2.0	<2		
5. TURBIDITY	NTU		1.11			5. TURBIDITY	NTU		3.66		
6. Total/Fecal Coliform 100ml	MPN		3000/200			6. Total/Fecal Coliform 100ml	MPN		500/200		
			Geo Metric -						Geo Metric -		
7. AMMONIA NITROGEN [AS N]	mg/l		ND			7. AMMONIA NITROGEN [AS N]	mg/l		ND		
8. NITRATE [AS N]	mg/l		1.81			8. NITRATE [AS N]	mg/l		0.34		
9. TOTAL NITROGEN [AS N]	mg/l	3.0	3.06			9. TOTAL NITROGEN [AS N]	mg/l	3.0	0.7		
10. TOTAL PHOSPHORUS	mg/l	1.0	0.059			10. TOTAL PHOSPHORUS	mg/l	1.0	0.186		
11. ORTHO PHOSPHATE	mg/l					11. ORTHO PHOSPHATE	mg/l				
12. GENERAL PLANKTON**	----	----	Attached			12. GENERAL PLANKTON**	----	----	Attached		
13. TRANSPARENCY	Secchi Disc	----	B/B			13. TRANSPARENCY	Secchi Disc	----	B/B		
14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1756			14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1506		
15. DISSOLVED OXYGEN	mg/l	----	7.6			15. DISSOLVED OXYGEN	mg/l	----	7		
16. TEMPERATURE	deg. C	----	18.7			16. TEMPERATURE	deg. C	----	15		

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

	SAMPLE TYPE: GRAB				REPORT DATE: November ,1997				SAMPLE TYPE: GRAB				REPORT DATE: No			
	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *				REPORT DUE: December 30,1997				SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *				REPORT DUE: Decen			
ILY	COLLECTED BY: DD				REPORT FREQUENCY: MONTHLY				COLLECTED BY: DD				REPORT FREQUENC			
dent	ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recycling Superintendent				ANALYZED BY: Env. Eng. LAB & D. White				TITLE: Water Recyclin			
	SAMPLE POINT: #4 Old Mission Dam				SIGNED BY:				SAMPLE POINT: #5 Mission Ponds				SIGNED BY:			
S	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS								RECEIVING WATER SAMPLING AND ANALYSIS REQU							
	PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48								PADRE DAM MUNICIPAL WATER DISTRICT MRP No.							
TS	CONSTITUENTS				SAMPLE RESULTS				CONSTITUENTS				SA			
DATE		UNITS	LIMITS	DATE	DATE	DATE				UNITS	LIMITS	DATE				
				11/3/97								11/3/97				
	1. FLOW RATE	mgd		0.643						1. FLOW RATE	mgd	0.06				
	2. SPECIFIC CONDUCTANCE	umhos		2360						2. SPECIFIC CONDUCTANCE	umhos	2350				
	3. pH	units	6.5 - 8.5	7.47						3. pH	units	6.5 - 8.5	7.32			
	4. CHLORINE RESIDUAL	ug/l	2.0	<2						4. CHLORINE RESIDUAL	ug/l	2.0	<2			
	5. TURBIDITY	NTU		4.89						5. TURBIDITY	NTU	5.24				
	6. Total/Fecal Coliform 100ml	MPN		2300/ <2						6. Total/Fecal Coliform 100ml	MPN	1700/800				
				Geo Metric -												
	7. AMMONIA NITROGEN [AS N]	mg/l		ND						7. AMMONIA NITROGEN [AS N]	mg/l	ND				
	8. NITRATE [AS N]	mg/l		ND						8. NITRATE [AS N]	mg/l	ND				
	9. TOTAL NITROGEN [AS N]	mg/l	3.0	0.84						9. TOTAL NITROGEN [AS N]	mg/l	3.0	0.57			
	10. TOTAL PHOSPHORUS	mg/l	1.0	0.196						10. TOTAL PHOSPHORUS	mg/l	1.0	0.228			
	11. ORTHO PHOSPHATE	mg/l								11. ORTHO PHOSPHATE	mg/l	0.84				
	12. GENERAL PLANKTON**	----	----	Attached						12. GENERAL PLANKTON**	----	----	Attached			
	13. TRANSPARENCY	Secchi Disc	----	B/B						13. TRANSPARENCY	Secchi Disc	----	B/B			
	14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1475						14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1469			
	15. DISSOLVED OXYGEN	mg/l	----	4.1						15. DISSOLVED OXYGEN	mg/l	----	2.7			
	16. TEMPERATURE	deg. C	----	13.1						16. TEMPERATURE	deg. C	----	15.2			

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

DISTRICT
PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

November, 1997	SAMPLE TYPE: GRAB	REPORT DATE: November, 1997
November 30, 1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: December 30, 1997
Frequency: MONTHLY	COLLECTED BY: DD	REPORT FREQUENCY: MONTHLY
Plant Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
	SAMPLE POINT: #6 I-5 Estuary	SIGNED BY:

RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48

SAMPLE RESULTS		CONSTITUENTS			SAMPLE RESULTS		
DATE	DATE		UNITS	LIMITS	DATE	DATE	DATE
					11/3/97		
		1. FLOW RATE	mgd		NF		
		2. SPECIFIC CONDUCTANCE	umhos		1438		
		3. pH	units	6.5 - 8.5	7.43		
		4. CHLORINE RESIDUAL	ug/l	2.0	<2		
		5. TURBIDITY	NTU		3.2		
		6. Total/Fecal Coliform 100ml	MPN		2300/<2		
Geo Metric -					Geo Metric -		
		7. AMMONIA NITROGEN [AS N]	mg/l		ND		
		8. NITRATE [AS N]	mg/l		ND		
		9. TOTAL NITROGEN [AS N]	mg/l	3.0	0.59		
		10. TOTAL PHOSPHORUS	mg/l	1.0	0.104		
		11. ORTHO PHOSPHATE	mg/l		0.19		
		12. GENERAL PLANKTON**	----	----	Attached		
		13. TRANSPARENCY	Secchi Disc	----	B/B		
		14. TOTAL DISSOLVED SOLIDS	mg/l	1500	899		
		15. DISSOLVED OXYGEN	mg/l	----	5.8		
		16. TEMPERATURE	deg. C	----	15.1		

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

SAMPLE TYPE: GRAB	REPORT DATE:
REPORT DUE: MONTHLY	TITLE: Water Re
REPORT FREQUENCY: 3X/WEEK	SIGN BY:
PLANT: RAW	SLUDGE
BOD	MRP
DATE	BOD mg/l
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
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19	
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22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
AVG:	#VALUE!

DISTRICT
PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

	SAMPLE TYPE: GRAB & COMPOSITE	REPORT DATE: November, 1997	SAMPLE TYPE: GRAB	REPORT
Water Recycling Superintendent	COLLECTED BY: D.D.	REPORT DUE: December 30, 1997	REPORT DUE: MONTHLY	TITLE:
	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	REPORT FREQUENCY: 3X/WEEK	SIGNATURE:
93-48	REPORT FREQUENCY: MONTHLY	SIGNED BY:	PLANT RAW SLUDGE BOD	
UNITS			DATE	BOD mg/l
MG/L			1	
			2	
MG/L			3	15,133
			4	
MG/L			5	15,831
			6	
MG/L			7	25,500
			8	
MG/L			9	
			10	21,850
MG/L			11	
			12	20,900
MG/L			13	
			14	16,400
MG/L			15	
			16	
MG/L			17	11,209
			18	
MG/L			19	20,000
			20	
MG/L			21	12,900
			22	
MG/L			23	
			24	8,985
MG/L			25	
			26	8,982
MG/L			27	
			28	18,400
MG/L			29	
			30	
MG/L			AVG.	14,006
MG/L				

PER DISTRICT

TION PLANT

DATE:

Water Recycling Superintendent

Y:

ARP: 93-48

UNITS

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

MG/L

Oct 97

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: October 1997		SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: October	
SAMPLE FREQUENCY: 3X/WEEK & DAILY				TITLE: Water Recycling Superintendent		SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling	
REPORT FREQUENCY: MONTHLY				SIGN BY:		REPORT FREQUENCY: DAILY & 2X/day				SIGN BY:	
RAW INFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48						INFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48					
DATE	BOD mg/l / 24hr. COMPOSITE	COD mg/l / 24hr. COMPOSITE	Flowrate MGD	DATE	TSS mg/l	Comp./ Grab	pH am./ Grab pm./ Grab		Specific Cond am. / Grab		
1	233	343	1.847	1	216	Comp.	7.35	7.35	1523		
2	0	334	2.0549	2	192	Comp.	7.42	7.44	1533		
3	246	382	2.1083	3	224	Comp.	7.47	7.40	1556		
4	0	427	1.9757	4	276	Comp.	7.21	7.25	1519		
5	0	365	1.941	5	246	Comp.	7.41	7.22	1541		
6	271	330	1.8728	6	200	Comp.	7.40	7.42	1553		
7	0	383	2.0757	7	200	Comp.	7.46	7.33	1582		
8	276	454	1.9564	8	296	Comp.	7.30	7.36	1533		
9	0	360	2.0004	9	204	Comp.	7.49	7.23	1602		
10	296	400	1.9258	10	194	Comp.	7.55	7.29	1552		
11	0	419	1.9184	11	221	Comp.	7.39	7.29	1527		
12	0	440	1.9294	12	236	Comp.	7.25	7.34	1548		
13	312	438	1.9613	13	214	Comp.	7.33	7.20	1581		
14	0	395	1.8948	14	228	Comp.	7.52	7.44	1551		
15	242	420	1.9259	15	227	Comp.	7.47	7.23	1593		
16	0	406	1.9303	16	225	Comp.	7.28	7.13	1528		
17	257	435	1.9498	17	220	Comp.	7.35	7.52	1646		
18	0	360	1.8701	18	224	Comp.	7.43	7.36	1616		
19	0	494	1.8597	19	226	Comp.	7.39	7.07	1661		
20	268	482	1.9275	20	214	Comp.	7.44	7.30	1591		
21	0	466	1.9106	21	223	Comp.	7.16	7.41	1557		
22	262	477	1.9203	22	206	Comp.	7.24	7.26	1598		
23	0	337	1.9667	23	224	Comp.	7.10	7.51	1562		
24	266	330	1.9023	24	218	Comp.	7.40	7.20	1571		
25	0	485	2.1012	25	218	Comp.	7.28	7.33	1604		
26	0	486	1.8865	26	231	Comp.	7.45	7.21	1647		
27	259	544	1.9002	27	190	Comp.	7.30	7.40	1601		
28	0	451	1.9194	28	218	Comp.	7.21	7.23	1581		
29	288	469	1.9136	29	230	Comp.	7.42	7.50	1529		
30	0	480	1.9133	30	204	Comp.	7.40	7.26	1552		
31	281	484	1.9945	31	225	Comp.	7.40	7.41	1527		
AVG.	283 BOD mg/l	547 COD mg/l	1.9437 FLOW MGD	AVG.	222 Mg/l		7.36 am.	7.32 pm.	1570 am.		

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PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

1997	SAMPLE TYPE: GRAB							REPORT DATE: October 1997				SAMPLE TYPE: GRAB			REPORT DATE:			
Superintendent	SAMPLE POINT: EFFLUENT							TITLE: Water Recycling Superintendent				SAMPLE POINT: EFFLUENT			TITLE: Water Re			
	REPORT FREQUENCY: DAILY & 3X/week							SIGN BY:				REPORT FREQUENCY: 1X/week & 5X/week /Daily			SIGN BY:			
18	EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48														EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48			
Specific Conductance																		
pm. / Grab																		
1454	DATE	Cl2 Residual ug/l	Turbidity NTU	pH Units	BOD5 mg/l 3X/week	COD mg/l 3X/week	Lake #7 After Alum Total / fecal Coliform MPN/100ml - DAILY	DATE	SPECIFIC CONDUCTANCE umhos / Grab		TOTAL SUSPENDED SOLIDS mg/l / Grab							
1532	1	<2	2.04	6.68	<1.0	3	<2 / <2	2	1470		4.2							
1504	2	<2	0.97	6.78		0	<2 / <2	3	1483		1.6							
1409	3	<2	0.98	6.54	<1.0	14	<2 / <2	4	1479		6.8							
1450	4	<2	0.95	6.67		0	<2 / <2	5	1493									
1550	5	<2	0.70	6.69	0	0	2 / <2	6	1500		2.6							
1541	6	<2	0.45	6.65	1.2	2	<2 / <2	7	1515		2.2							
1644	7	<2	0.69	6.75	0	0	<2 / <2	8	1528		1.6							
1475	8	<2	1.05	6.75	<1.0	17	<2 / <2	9	1516		4.2							
1492	9	<2	0.89	6.74		0	<2 / <2	10	1510		1.8							
1474	10	<2	0.52	6.79	1.1	1	<2 / <2	11	1544									
1505	11	<2	0.56	6.69		0	<2 / <2	12	1543									
1525	12	<2	0.78	6.71	0	0	<2 / <2	13	1500		6.2							
1472	13	<2	2.15	6.75	1.7	9	<2 / <2	14	1446		4.8							
1450	14	<2	1.76	6.50	0	0	<2 / <2	15	1495		5.6							
1533	15	<2	1.68	6.67	3.2	5	<2 / <2	16	1492		3.2							
1559	16	<2	3.30	6.76		0	<2 / <2	17	1477		2.8							
1518	17	<2	1.04	6.63	<1.0	9	23 / 8	18	1554									
1543	18	<2	1.49	6.62		0	<2 / <2	19	1557									
1530	19	<2	0.73	6.63	0	0	<2 / <2	20	1500		4.2							
1528	20	<2	0.63	6.60	0.98	5	<2 / <2	21	1501		5							
1636	21	<2	3.04	6.77	0	0	<2 / <2	22	1491		2							
1681	22	<2	1.94	6.49	1.1	3	<2 / <2	23	1496		6							
1553	23	<2	2.22	6.49		0	<2 / <2	24	1505		4.2							
1572	24	<2	1.40	6.45	0.8	7	<2 / <2	25	1508									
1500	25	<2	2.59	6.50		0	<2 / <2	26	1561									
1532	26	<2	1.20	6.62	0	0	<2 / <2	27	1510		1.2							
1520	27	<2	0.97	7.04	1.2	2	<2 / <2	28	1492		6							
1593	28	<2	1.19	7.00	0	0	<2 / <2	29	1440		6							
1597	29	<2	1.28	6.90	0.6	7	2 / <2	30	1448		6.2							
1612	30	<2	0.65	6.67	0	0	2 / <2	31	1436		5.4							
1532 pm.	31	<2	1.87	6.95	0	10	2 / <2	AVG.	1500 umhos		4.1							
	AVG.	<2	1.35	6.68	1.32	7	MPN/100ml											

WATER RECYCLING PLANT

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

October 1997	SAMPLE TYPE: COMPOSITE		REPORT DATE: October 1997			
Water Recycling Superintendent	COLLECTED BY:		REPORT DUE: November 30, 1997			
	ANALYZED BY:		REPORT FREQUENCY: WEEKLY		SAMPLE TYPE: GRAB	
RP: 93-48	TITLE: Water Recycling Superintendent		SIGN BY:		SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	
WATER FLOWRATE	EFFLUENT SAMPLING AND REQUIREMENTS MRP: 93-48				COLLECTED BY:	
MGD					ANALYZED BY: Env. Eng. LAB & D. White	
0.512	SAMPLE LOCATION: Lake #7 After Alum		DATE: 10/6/97		SAMPLE POINT: #1 Carlton Hills Blvd. Bridge	
0.556	#1-WEEK CONSTITUENTS		LIMITS	UNITS	RECEIVING WATER SAMPLING AND ANALYSIS	
0.517	1. Ammonia Nitrogen (GRAB)			mg/l	PADRE DAM MUNICIPAL WATER DISTRICT	
0.527	2. Total Nitrogen (COMPOSITE)		5	mg/l	CONSTITUENTS	
0.585	3. Total Phosphorus (COMPOSITE)		0.8	mg/l	UNITS	
0.503					1. FLOW RATE	
0.425	SAMPLE LOCATION: Lake #7 After Alum		DATE: 10/13/97		2. SPECIFIC CONDUCTANCE	
0.533	#2-WEEK CONSTITUENTS		LIMITS	UNITS	3. pH	
0.608	1. Ammonia Nitrogen (GRAB)			ND	4. CHLORINE RESIDUAL	
0.466	2. Total Nitrogen (COMPOSITE)		5	mg/l	5. TURBIDITY	
0.587	3. Total Phosphorus (COMPOSITE)		0.8	mg/l	6. Total/Fecal Coliform 100ml	
0.432					7. AMMONIA NITROGEN [AS N]	
0.529	SAMPLE LOCATION: Lake #7 After Alum		DATE: 10/20/97		8. NITRATE [AS N]	
0.505	#3-WEEK CONSTITUENTS		LIMITS	UNITS	9. TOTAL NITROGEN [AS N]	
0.467	1. Ammonia Nitrogen (GRAB)			mg/l	10. TOTAL PHOSPHORUS	
0.450	2. Total Nitrogen (COMPOSITE)		5	mg/l	11. ORTHO PHOSPHATE	
0.452	3. Total Phosphorus (COMPOSITE)		0.8	mg/l	12. GENERAL PLANKTON**	
0.441					13. TRANSPARENCY	
0.489	SAMPLE LOCATION: Lake #7 After Alum		DATE: 10/27/97		14. TOTAL DISSOLVED SOLIDS	
0.494	#4-WEEK CONSTITUENTS		LIMITS	UNITS	15. DISSOLVED OXYGEN	
0.507	1. Ammonia Nitrogen (GRAB)			mg/l	16. TEMPERATURE	
0.496	2. Total Nitrogen (COMPOSITE)		5	mg/l		
0.539	3. Total Phosphorus (COMPOSITE)		0.8	mg/l		
0.471						
0.402	SAMPLE LOCATION: Lake #7 After Alum		DATE: N/A			
0.484	#5-WEEK CONSTITUENTS		LIMITS	UNITS		
0.409	1. Ammonia Nitrogen (GRAB)			mg/l		
0.480	2. Total Nitrogen (COMPOSITE)		5	mg/l		
0.558	3. Total Phosphorus (COMPOSITE)		0.8	mg/l		
0.439						
MG/L	0.496 MGD					

* Biweekly between April 1 and October 1, Monthly between October 2 and

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

**WATER DISTRICT
WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

REPORT DATE: October 1997	SAMPLE TYPE: GRAB	REPORT DATE: October 1997	SAMPLE TYPE: GRAB
REPORT DUE: November 30, 1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: November 30, 1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *
REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY: MONTHLY	COLLECTED BY:
TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White
SIGNED BY:	SAMPLE POINT: #2 Forrester Creek	SIGNED BY:	SAMPLE POINT: #3 Sycamore Creek / S.I.
ANALYSIS REQUIREMENTS DISTRICT MRP No. 93-48	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48	RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48
SAMPLE RESULTS		SAMPLE RESULTS	
LIMITS	DATE	DATE	DATE
	10/13/97		
	0.869		
	2320		
6.5 - 8.5	7.5		
2.0	<2		
	1.02		
	800/<2		
Geo Metric -		Geo Metric -	
	ND		
	1.4		
3.0	2.36		
1.0	0.058		
	0.5		
----	Attached		
----	B/B		
1500	1450		
----	4.1		
----	15.1		
CONSTITUENTS		CONSTITUENTS	
	UNITS		
1. FLOW RATE	mgd		
2. SPECIFIC CONDUCTANCE	umhos		
3. pH	units	6.5 - 8.5	7.94
4. CHLORINE RESIDUAL	ug/l	2.0	<2
5. TURBIDITY	NTU		1.94
6. Total/Fecal Coliform 100ml	MPN		3000/200
7. AMMONIA NITROGEN [AS N]	mg/l		0.22
8. NITRATE [AS N]	mg/l		5.5
9. TOTAL NITROGEN [AS N]	mg/l	3.0	7.01
10. TOTAL PHOSPHORUS	mg/l	1.0	0.049
11. ORTHO PHOSPHATE	mg/l		0.48
12. GENERAL PLANKTON**	----	----	Attached
13. TRANSPARENCY	Secchi Disc	----	B/B
14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1838
15. DISSOLVED OXYGEN	mg/l	----	10.7
16. TEMPERATURE	deg. C	----	17

March 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

MUNICIPAL WATER DISTRICT
SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

1

REPORT DATE: October 1997	SAMPLE TYPE: GRAB	REPORT DATE: October 1997	SAMPLE TYPE: GR
MONTHLY * REPORT DUE: November 30, 1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: November 30, 1997	SAMPLE FREQUENCY
REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY: MONTHLY	COLLECTED BY:
Site TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env.
San Joaquin River SIGNED BY:	SAMPLE POINT: #4 Old Mission Dam	SIGNED BY:	SAMPLE POINT: #5 Mission Dam
SAMPLING AND ANALYSIS REQUIREMENTS MUNICIPAL WATER DISTRICT MRP No. 93-48		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48	
SAMPLE RESULTS		CONSTITUENTS	
UNITS	LIMITS	DATE	DATE
		10/13/97	
mgd		2.693	
umhos		2640	
units	6.5 - 8.5	7.4	
ug/l	2.0	<2	
NTU		2.51	
MPN		5000/200	
Geo Metric -			
mg/l		0.13	
mg/l		2.8	
mg/l	3.0	4.02	
mg/l	1.0	0.15	
mg/l		0.65	
---	---	Attached	
Secchi Disc	---	B/B	
mg/l	1500	1650	
mg/l	---	4.2	
deg. C	---	14.8	
CONSTITUENTS		UNITS	LIMITS
		DATE	DATE
		10/13/97	
1. FLOW RATE		mgd	1.293
2. SPECIFIC CONDUCTANCE		umhos	2410
3. pH		units	6.5 - 8.5
4. CHLORINE RESIDUAL		ug/l	2.0
5. TURBIDITY		NTU	2.4
6. Total/Fecal Coliform 100ml		MPN	2300/<2
		Geo Metric -	
7. AMMONIA NITROGEN [AS N]		mg/l	0.36
8. NITRATE [AS N]		mg/l	1.6
9. TOTAL NITROGEN [AS N]		mg/l	3.0
10. TOTAL PHOSPHORUS		mg/l	1.0
11. ORTHO PHOSPHATE		mg/l	1.14
12. GENERAL PLANKTON**		---	Attached
13. TRANSPARENCY		Secchi Disc	---
14. TOTAL DISSOLVED SOLIDS		mg/l	1500
15. DISSOLVED OXYGEN		mg/l	2.1
16. TEMPERATURE		deg. C	14.6

* Monthly between October 2 and March 31.

** Plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

* Biweekly between April

** General Plankton is taken

ND - Non-detected

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

AB	REPORT DATE: September 30, 1997	SAMPLE TYPE: GRAB	REPORT DATE: September 30, 1997	
Y: BIWEEKLY/MONTHLY *	REPORT DUE: October 30, 1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: October 30, 1997	
	REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENCY: MONTHLY	
Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	
Effluent Ponds	SIGNED BY:	SAMPLE POINT: #6 I-5 Estuary	SIGNED BY:	
SENDING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48		RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48		
SAMPLE RESULTS		CONSTITUENTS		
	UNITS LIMITS DATE DATE DATE		UNITS LIMITS DATE DATE DATE	
			10/13/97	
CONDUCTANCE	mgd umhos		NF	
	units	6.5 - 8.5	NF	
TOTAL ALKALINITY	ug/l	2.0	NF	
	NTU		NF	
Total Coliform 100ml	MPN		NF	
Geo Metric -		Geo Metric -		
AMMONIA NITROGEN [AS N]	mg/l		NF	
	mg/l		NF	
NITRATE [AS N]	mg/l	3.0	NF	
DISSOLVED PHOSPHORUS	mg/l	1.0	NF	
ORTHOPHOSPHATE	mg/l		NF	
GENERAL PLANKTON**	----		NF	
	Secchi Disc		NF	
TOTAL DISSOLVED SOLIDS	mg/l	1500	NF	
DISSOLVED OXYGEN	mg/l		NF	
TEMPERATURE	deg. C		NF	

* 11 and October 1, Monthly between October 2 and March 31.

taken with 25 mesh plankton net.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: GRAB			REPORT DATE:		
REPORT DUE: MONTHLY			TITLE: Water Recycling Superintendent		
REPORT FREQUENCY: 3X/WEEK			SIGN BY:		
PLANT RAW SLUDGE BOD MRP: 93-48					
DATE	BOD mg/l	UNITS			
1	14,155	MG/L			
2					
3	12,685	MG/L			
4					
5					
6	17,356	MG/L			
7					
8	13,371	MG/L			
9					
10	14,618	MG/L			
11					
12					
13	15,435	MG/L			
14					
15	15,100	MG/L			
16					
17	13,500	MG/L			
18					
19					
20	14,900	MG/L			
21					
22	19,930	MG/L			
23					
24	16,000	MG/L			
25					
26					
27	18,591	MG/L			
28					
29	16,344	MG/L			
30					
31	17,495	MG/L			
AVG:	15,677	MG/L			

Sep 97

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: COMPOSITE				REPORT DATE: September 30,1997				SAMPLE TYPE: GRAB & COMPOSITE				REPORT DATE: September 30,1997			
SAMPLE FREQUENCY: 3X/WEEK/DAILY				TITLE: Water Recycling Superintendent				SAMPLE POINT: RAW INFLUENT				TITLE: Water Recycling Superintendent			
REPORT FREQUENCY: MONTHLY				SIGN BY:				REPORT FREQUENCY: DAILY & 2X/Day				SIGN BY:			
AND REQUIREMENTS MRP. 93-48				INFLUENT SAMPLING AND REQUIREMENTS MRP. 93-48											
BOD mg/l		COD mg/l		Flowrate	DATE	TSS	Comp./	pH		Specific Conductance					
DATE	COMPOSITE	/ 24hr. COMPOSITE	MGD					mg/l	Grab	am./ Grab	pm./ Grab	am. / Grab	pm. / Grab		
1	257	353	1.8693	1	211	Comp.	7.23		1345						
2	0	512	1.9383	2	190	Comp.	7.39	7.34	1480	1459					
3	242	537	1.9559	3	202	Comp.	7.45	7.47	1494	1592					
4	0	544	1.9584	4	185	Comp.	7.54	7.28	1483	1611					
5	220	555	1.9236	5	177	Comp.	7.31	6.84	1461	1397					
6	0	507	2.0562	6	234	Comp.	7.29	7.23	1520	1465					
7	0	561	1.9612	7	258	Comp.	7.40	7.17	1506	1492					
8	274	594	1.8945	8	221	Comp.	7.45	7.18	2890	1517					
9	0	552	1.9752	9	223	Comp.	7.34	7.37	1557	1636					
10	363	577	1.9756	10	228	Comp.	7.22	7.30	1539	1477					
11	0	662	1.8759	11	216	Comp.	7.38	7.33	1515	1532					
12	305	511	1.9546	12	222	Comp.	7.32	7.69	1488	1573					
13	0	536	1.9136	13	208	Comp.	7.55	7.23	1403	1520					
14	0	540	1.9851	14	233	Comp.	7.41	7.27	1492	1464					
15	219	636	1.9459	15	210	Comp.	7.46	7.21	1466	1438					
16	0	532	1.9596	16	219	Comp.	7.45	7.32	1468	1452					
17	212	512	1.9649	17	190	Comp.	7.40	7.30	1515	1465					
18	0	451	1.9115	18	215	Comp.	7.46	7.32	1460	1455					
19	196	578	1.9747	19	217	Comp.	7.50	7.34	1490	1471					
20	0	503	1.934	20	214	Comp.	7.45	7.17	1524	1478					
21	0	533	1.9573	21	212	Comp.	7.36	7.29	1492	1405					
22	263	577	1.9358	22	210	Comp.	7.47	7.35	1412	1486					
23	0	520	1.9663	23	204	Comp.	7.69	7.38	1490	1455					
24	200	495	1.9391	24	211	Comp.	7.48	7.40	1473	1460					
25	0	NA	1.9499	25	224	Comp.	7.29	7.25	1509	1327					
26	249	609	1.9787	26	241	Comp.	7.21	7.27	1570	1427					
27	0	519	1.9416	27	209	Comp.	7.24	7.41	1539	1429					
28	0	510	1.9431	28	213	Comp.	7.14	7.32	1576	1583					
29	293	498	1.9634	29	184	Comp.	7.47	7.42	1540	1571					
30	0	477	1.9545	30	207	Comp.	7.35	7.35	1523	1454					
AVG:	110 BOD mg/l	534 COD mg/l	1.9486 FLOW MGD	AVG:	213 Mg/l		7.39	7.30	1541	1486					

BOD
COD
Raw Influent

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

SAMPLE TYPE: GRAB							REPORT DATE: September 30,1997						
SAMPLE POINT: EFFLUENT							TITLE: Water Recycling Superintendent						
REPORT FREQUENCY: DAILY & 3X/wec SIGN BY:							REPORT FREQUENCY:1X/week & 5X/week /Daily SIGN BY:						
EFFLUENT SAMPLING AND REQUIREMENTS MRP. 93-48							EFFLUENT SAMPLING AND REQUIREMENTS MRP. 93-48						
DATE	Cl2 Residual ug/l	Turbidity NTU	pH Units	BOD5 mg/l 3X/week	COD mg/l 3X/week	Lake #7 After Alum Total / fecal Coliform MPN/100ml - DAILY	PECIFIC CONDUCTANCE		TOTAL SUSPENDED SOLIDS		FLOWRATE		
							DATE	uhos / Grab	mg/l / Grab	MGD	PLING		
1	<2	0.83	6.53	1.4		<2 / <2	1	1310	2.1		0.655		
2	<2	1.45	6.52			<2 / <2	2	1433	3.0		0.577		
3	<2	1.01	6.55	<1.0	4	<2 / <2	3	1438	1.2		0.438	#1-WEEK	
4	<2	0.88	6.65			<2 / <2	4	1451	1.8		0.418		
5	<2	0.55	6.65	<1.0	2.5	<2 / <2	5	1399	1.8		0.511		
6	<2	0.57	6.64			<2 / <2	6	1433	NA		0.585		
7	<2	0.49	6.68	0		<2 / <2	7	1431	NA		0.484		
8	<2	0.21	6.65	1	4	<2 / <2	8	1451	0.0		0.464		
9	<2	0.62	6.73			<2 / <2	9	1440	0.2		0.616	#2-WEEK	
10	<2	0.51	6.65	1	4	<2 / <2	10	1469	2.8		0.512		
11	<2	0.86	6.70			<2 / <2	11	1473	2.6		0.540		
12	<2	0.82	6.72	1.6	5	<2 / <2	12	1436	2.4		0.579		
13	<2	0.79	6.79			<2 / <2	13	1348	NA		0.472		
14	<2	0.39	6.80	0		<2 / <2	14	1440	NA		0.532		
15	<2	0.81	6.78	<1.0		<2 / <2	15	1424	1.0		0.503	#3-WEEK	
16	<2	0.46	6.88			<2 / <2	16	1424	1.1		0.401		
17	<2	0.97	6.68	<1.0	5	<2 / <2	17	1438	5.0		0.542		
18	<2	1.02	6.73			<2 / <2	18	1425	2.0		0.533		
19	<2	2.31	6.84	<1.0		<2 / <2	19	1434	1.9		0.560		
20	<2	1.98	6.79			<2 / <2	20	1431	NA		0.441		
21	<2	0.27	6.82	0		<2 / <2	21	1436	NA		0.560	#4-WEEK	
22	<2	0.80	6.81	1.1	10	<2 / <2	22	1371	2.2		0.654		
23	<2	2.42	6.81			<2 / <2	23	1429	2.7		0.526		
24	<2	1.67	6.84	2.6	6	<2 / <2	24	1378	3.3		0.610		
25	<2	1.24	6.57			<2 / <2	25	1392	0.7		0.000		
26	<2	0.99	6.63	<1.0		<2 / <2	26	1260	1.2		0.280		
27	<2	1.06	6.56	0		<2 / <2	27	1475	NA		0.452	#5-WEEK	
28	<2	1.36	6.67	0		<2 / <2	28	1499	NA		0.589		
29	<2	0.40	6.84	1.4	14	<2 / <2	29	1492	4.8		0.509		
30	<2	1.16	6.69	0		<2 / <2	30	1473	2.4		0.509		
AVG:							1424 umhos		2.1 MG/L		0.502 MGD		
AVG:							<2 / <2 MPN/100ml						

**MUNICIPAL WATER DISTRICT
WATER RECLAMATION PLANT**

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNI
FACILITY: SANTEE W/

SAMPLE TYPE: COMPOSITE **REPORT DATE:** 9/30/97
COLLECTED BY: D.D. **REPORT DUE:** October 30,1997
ANALYZED BY: Env. Eng. Lab **REPORT FREQUENCY:** WEEKLY
TITLE: Water Recycling Superintendent **SIGN BY:**
AND REQUIREMENTS MRP. 93-48
SAMPLE LOCATION: Lake #7 After Alum **DATE:** 9/2/97

K CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	0.58
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.375

SAMPLE TYPE: GRAB **REPORT DATE:** September 30,1997
SAMPLE FREQUENCY: BIWEEKLY/MONTHLY * **REPORT DUE:** October 30,1997
COLLECTED BY: D.D. **REPORT FREQUENCY:** MONTHLY
ANALYZED BY: Env. Eng. LAB & D. White **TITLE:** Water Recycling Superintendent
SAMPLE POINT: #1 Carlton Hills Blvd. Bridge **SIGNED BY:**

RECEIVING WATER SAMPLING
PADRE DAM MUNICIPAL

SAMPLE LOCATION: Lake #7 After Alum **DATE:** 9/8/97

K CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	1.24
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	1.515

SAMPLE LOCATION: Lake #7 After Alum **DATE:** 9/16/97

K CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	0.93
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.28

SAMPLE LOCATION: Lake #7 After Alum **DATE:** 9/22/97

K CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	ND
2. Total Nitrogen (COMPOSITE)	5	mg/l	1.65
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.411

SAMPLE LOCATION: Lake #7 After Alum **DATE:** 9/30/97

K CONSTITUENTS	LIMITS	UNITS	RESULTS
1. Ammonia Nitrogen (GRAB)		mg/l	0.15
2. Total Nitrogen (COMPOSITE)	5	mg/l	0.86
3. Total Phosphorus (COMPOSITE)	0.8	mg/l	0.026

Avg. Ammonia 0.03
Avg. Total Nitrogen 1.052
Avg. Total Phosphorus 0.521

CONSTITUENTS	UNITS	LIMITS	DATE	DATE	DATE
			9/8/97		9/22/97
1. FLOW RATE	mgd		0.496		0.272
2. SPECIFIC CONDUCTANCE	umhos		2480		2470
3. pH	units	6.5 - 8.5	7.7		7.73
4. CHLORINE RESIDUAL	ug/l	2.0	<2		<2
5. TURBIDITY	NTU		1.13		1.28
6. Total/Fecal Coliform 100ml	MPN				
7. AMMONIA NITROGEN [AS N]	mg/l		ND		ND
8. NITRATE [AS N]	mg/l		1.5		1.4
9. TOTAL NITROGEN [AS N]	mg/l	3.0	1.84		2.23
10. TOTAL PHOSPHORUS	mg/l	1.0	0.238		0.258
11. ORTHO PHOSPHATE	mg/l		0.25		0.43
12. GENERAL PLANKTON**	----	----	Attached		Attached
13. TRANSPARENCY	Secchi Disc	----	B/B		B/B
14. TOTAL DISSOLVED SOLIDS	mg/l	1500	1550		1543
15. DISSOLVED OXYGEN	mg/l	----	4.6		4.8
16. TEMPERATURE	deg. C	----	21.9		18.6

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

N/F- NO FLOW

CIPAL WATER DISTRICT
ATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM
FACILITY: SA

SAMPLE TYPE: GRAB	REPORT DATE: September 30,1997	SAMPLE TYPE: GRAB	REPORT DATE: September 30,1997
SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: October 30,1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: October 30,1997
COLLECTED BY: D.D.	REPORT FREQUENCY: MONTHLY	COLLECTED BY: D.D.	REPORT FREQUENCY: MONTHLY
ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
SAMPLE POINT: #2 Forrester Creek	SIGNED BY:	SAMPLE POINT: #3 Sycamore Creek /S.D. River	SIGNED BY:

RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS

RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS

RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS

WATER DISTRICT MRP No. 93-48

PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48

PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48

CONSTITUENTS

SAMPLE RESULTS

CONSTITUENTS

SAMPLE RESULTS

	UNITS	LIMITS	DATE	DATE	DATE		UNITS	LIMITS	DATE	DATE
1. FLOW RATE	mgd		9/8/97		9/22/97	1. FLOW RATE	mgd		9/8/97	
2. SPECIFIC CONDUCTANCE	umhos		0.322		0.407	2. SPECIFIC CONDUCTANCE	umhos		0.25	
3. pH	units	6.5 - 8.5	3200		3160	3. pH	units	6.5 - 8.5	2750	
4. CHLORINE RESIDUAL	ug/l	7.95			7.97	4. CHLORINE RESIDUAL	ug/l	2.0	7.54	
5. TURBIDITY	NTU	<2			<2	5. TURBIDITY	NTU		<2	
6. Total/Fecal Coliform 100ml	MPN	2.11			2.71	6. Total/Fecal Coliform 100ml	MPN		2.79	
7. AMMONIA NITROGEN [AS N]	mg/l			Geo Metric -		7. AMMONIA NITROGEN [AS N]	mg/l			Geo Metric -
8. NITRATE [AS N]	mg/l		0.29		0.19	8. NITRATE [AS N]	mg/l		0.13	
9. TOTAL NITROGEN [AS N]	mg/l		2.4		2.9	9. TOTAL NITROGEN [AS N]	mg/l		1.6	
10. TOTAL PHOSPHORUS	mg/l	3.0	3.54		4.14	10. TOTAL PHOSPHORUS	mg/l	3.0	2.15	
11. ORTHO PHOSPHATE	mg/l	1.0	0.225		0.225	11. ORTHO PHOSPHATE	mg/l	1.0	0.417	
12. GENERAL PLANKTON**	mg/l		0.18		0.47	12. GENERAL PLANKTON**	mg/l		0.56	
13. TRANSPARENCY	Secci Disc	Attached			Attached	13. TRANSPARENCY	Secci Disc	Attached		
14. TOTAL DISSOLVED SOLIDS	mg/l	1500	B/B		B/B	14. TOTAL DISSOLVED SOLIDS	mg/l	1500	B/B	
15. DISSOLVED OXYGEN	mg/l	2000			1975	15. DISSOLVED OXYGEN	mg/l	1500	1719	
16. TEMPERATURE	deg. C	9.8			10.4	16. TEMPERATURE	deg. C		4.7	
		25.8			21.5				21.2	

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

ND - Non-detected

N/F- NO FLOW

N/F- NO FLOW

**1 MUNICIPAL WATER DISTRICT
SANTÉE WATER RECLAMATION PLANT**

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTÉE WATER RECLAMATION PLANT**

**PADI
FAC**

97	SAMPLE TYPE: GRAB	REPORT DATE: September 30,1997	SAMPLE TYPE: GRAB	REPORT DATE: Sep
	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: October 30,1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: Octob
AILY	COLLECTED BY: D.D.	REPORT FREQUENCY: MONTHLY	COLLECTED BY:	REPORT FREQUENC
dent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recyclin
	SAMPLE POINT: #4 Old Mission Dam	SIGNED BY:	SAMPLE POINT: #5 Mission Ponds	SIGNED BY:

**R SAMPLING AND ANALYSIS REQUIREMENTS
MUNICIPAL WATER DISTRICT MRP No. 93-48**

**RECEIVING WATER SAMPLING AND ANALYSIS REQUIREMENTS
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48**

**RECEIVII
PAI**

CONSTITUENTS				SAMPLE RESULTS			CONSTITUENTS				SAMPLE RESUL		
DATE		UNITS	LIMITS	DATE	DATE	DATE			UNITS	LIMITS	DATE		
9/22/97				9/8/97		9/22/97					9/8/97		
0.095	1. FLOW RATE	mgd		N/F		N/F	1. FLOW RATE		mgd		N/F		
2760	2. SPECIFIC CONDUCTANCE	umhos		N/F		N/F	2. SPECIFIC CONDUCTANCE		umhos		N/F		
7.56	3. pH	units	6.5 - 8.5	N/F		N/F	3. pH		units	6.5 - 8.5	N/F		
<2	4. CHLORINE RESIDUAL	ug/l	2.0	N/F		N/F	4. CHLORINE RESIDUAL		ug/l	2.0	N/F		
3.79	5. TURBIDITY	NTU		N/F		N/F	5. TURBIDITY		NTU		N/F		
	6. Total/Fecal Coliform 100ml	MPN		N/F		N/F	6. Total/Fecal Coliform 100ml		MPN		N/F		
				Geo Metric -									
0.14	7. AMMONIA NITROGEN [AS N]	mg/l		N/F		N/F	7. AMMONIA NITROGEN [AS N]		mg/l		N/F		
1.7	8. NITRATE [AS N]	mg/l		N/F		N/F	8. NITRATE [AS N]		mg/l		N/F		
2.53	9. TOTAL NITROGEN [AS N]	mg/l	3.0	N/F		N/F	9. TOTAL NITROGEN [AS N]		mg/l	3.0	N/F		
0.59	10. TOTAL PHOSPHORUS	mg/l	1.0	N/F		N/F	10. TOTAL PHOSPHORUS		mg/l	1.0	N/F		
0.71	11. ORTHO PHOSPHATE	mg/l		N/F		N/F	11. ORTHO PHOSPHATE		mg/l		N/F		
Attached	12. GENERAL PLANKTON**	----	----	N/F		N/F	12. GENERAL PLANKTON**		----	----	N/F		
B/B	13. TRANSPARENCY	Secchi Disc	----	N/F		N/F	13. TRANSPARENCY		Secchi Disc	----	N/F		
1725	14. TOTAL DISSOLVED SOLIDS	mg/l	1500	N/F		N/F	14. TOTAL DISSOLVED SOLIDS		mg/l	1500	N/F		
4.8	15. DISSOLVED OXYGEN	mg/l	----	N/F		N/F	15. DISSOLVED OXYGEN		mg/l	----	N/F		
18.4	16. TEMPERATURE	deg. C	----	N/F		N/F	16. TEMPERATURE		deg. C	----	N/F		

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

N/F- NO FLOW

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

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ND - Non-detected

N/F- NO FLOW

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT

September 30, 1997	SAMPLE TYPE: GRAB	REPORT DATE: September 30, 1997
September 30, 1997	SAMPLE FREQUENCY: BIWEEKLY/MONTHLY *	REPORT DUE: October 30, 1997
REPORT FREQUENCY: MONTHLY	COLLECTED BY: D.D.	REPORT FREQUENCY: MONTHLY
g Superintendent	ANALYZED BY: Env. Eng. LAB & D. White	TITLE: Water Recycling Superintendent
	SAMPLE POINT: #6 I-5 Estuary	SIGNED BY:

RAW WATER SAMPLING AND ANALYSIS REQUIREMENTS
PADRE DAM MUNICIPAL WATER DISTRICT MRP No. 93-48

CONSTITUENTS		SAMPLE RESULTS					
DATE	DATE		UNITS	LIMITS	DATE	DATE	DATE
	9/22/97				9/8/97		9/22/97
	N/F	1. FLOW RATE	mgd		N/F		N/F
	N/F	2. SPECIFIC CONDUCTANCE	umhos		N/F		N/F
	N/F	3. pH	units	6.5 - 8.5	N/F		N/F
	N/F	4. CHLORINE RESIDUAL	ug/l	2.0	N/F		N/F
	N/F	5. TURBIDITY	NTU		N/F		N/F
	N/F	6. Total/Fecal Coliform 100ml	MPN		N/F		N/F
Geo Metric -					Geo Metric -		
	N/F	7. AMMONIA NITROGEN [AS N]	mg/l		N/F		N/F
	N/F	8. NITRATE [AS N]	mg/l		N/F		N/F
	N/F	9. TOTAL NITROGEN [AS N]	mg/l	3.0	N/F		N/F
	N/F	10. TOTAL PHOSPHORUS	mg/l	1.0	N/F		N/F
	N/F	11. ORTHO PHOSPHATE	mg/l		N/F		N/F
	N/F	12. GENERAL PLANKTON**	----	----	N/F		N/F
	N/F	13. TRANSPARENCY	Secchi Disc	----	N/F		N/F
	N/F	14. TOTAL DISSOLVED SOLIDS	mg/l	1500	N/F		N/F
	N/F	15. DISSOLVED OXYGEN	mg/l	----	N/F		N/F
	N/F	16. TEMPERATURE	deg. C	----	N/F		N/F

* Biweekly between April 1 and October 1, Monthly between October 2 and March 31.

** General Plankton is taken with 25 mesh plankton net.

ND - Non-detected

N/F- NO FLOW

SAMPLE TYPE: GRAB & COMPOSITE REPORT DATE:

COLLECTED BY: D.D. REPORT DUE:

ANALYZED BY: Env. Eng. LAB & D. White TITLE: Water Rec

REPORT FREQUENCY: MONTHLY SIGNED BY:

INFLUENT AND EFFLUENT SAMPLING AND ANALYSIS
PADRE DAM MUNICIPAL WATER DISTRICT

SAMPLE LOCATION: RAW INFLUENT

INFLUENT CONSTITUENTS	LIMITS
1. Ammonia Nitrogen (GRAB)	
2. Total Nitrogen (COMPOSITE)	5.0
3. Total Phosphorus (COMPOSITE)	0.8
4. Total Dissolved Solids (COMPOSITE)	1500

SAMPLE LOCATION: LAKE#7 AFTER ALUM

EFFLUENT CONSTITUENTS	LIMITS
1. Grease & Oil (COMPOSITE)	5
2. Color (GRAB)	40
3. MBAS (GRAB)	0.5
4. Total Dissolved Solids (COMPOSITE)	1500
5. % Sodium (GRAB)	60

SAMPLE LOCATION: LAKE # 1 Eff.

EFFLUENT CONSTITUENTS	LIMITS
1. Grease & Oil (COMPOSITE)	5
2. Color (GRAB)	40
3. MBAS (GRAB)	0.5
4. Total Dissolved Solids (COMPOSITE)	1500
5. % Sodium (GRAB)	60

**PADRE DAM MUNICIPAL WATER DISTRICT
FACILITY: SANTEE WATER RECLAMATION PLANT**

ember 30,1997	SAMPLE TYPE: GRAB	REPORT DATE:
ober 30,1997	REPORT DUE: MONTHLY	TITLE: Water Recycling Superintendent
ng Superintendent	REPORT FREQUENCY: 3X/WEEK	SIGN BY:

PLANT RAW SLUDGE BOD MRP: 93-48

REQUIREMENTS
RP: 93-48

DATE:

UNITS	RESULTS
mg/l	30
mg/l	33.78
mg/l	12.127
mg/l	740

DATE

UNITS	RESULTS
mg/l	4.8
units	<10
mg/l	0.06
mg/l	797
%	59.2

DATE

UNITS	RESULTS
mg/l	
units	
mg/l	
mg/l	
%	

DATE	IOD mg/l	UNITS
1	9,022	MG/L
2	14,195	MG/L
3		
4		
5	6,000	MG/L
6		
7		
8	13,713	MG/L
9		
10	44,900	MG/L
11		
12	17,335	MG/L
13		
14		
15	7,612	MG/L
16		
17	10,265	MG/L
18		
19	11,254	MG/L
20		
21		
22	15,335	MG/L
23		
24	8,950	MG/L
25		
26	22,157	MG/L
27		
28		
29	20,904	MG/L
30		
AVG:	15,511	MG/L