

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

long form

**wastewater treatment
surcharge statement**

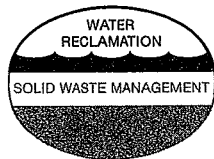
2014-2015

FILING DATE

AUGUST 15, 2015

U.S. POSTMARKED NO LATER THAN AUGUST 17, 2015





COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, Fax: (562) 699-5422
www.lacsd.org

GRACE ROBINSON HYDE
Chief Engineer and General Manager

TO: INDUSTRIAL DISCHARGERS OF WASTEWATER

**SUBJECT: FILING OF THE "LONG FORM" WASTEWATER TREATMENT SURCHARGE STATEMENT
FOR FISCAL YEAR 2014-2015**

This package contains the "Long Form" Surcharge Statement and filing instructions for fiscal year 2014-2015. The "Long Form" must be used by those companies discharging over six (6) million gallons per year of wastewater to the sewer or discharging wastewater with strength values for surcharge parameters, that significantly exceed the average values outlined in this package. The "Long Form" may be used by companies discharging less than six (6) million gallons per year if appropriate measurements of wastewater quality were performed. If the amount of wastewater discharged to the sewer is less than six (6) million gallons per year and the strength values do not exceed the average values outlined in this package, the "Short Form" Surcharge Statement may be used.

Prior to filing the Surcharge Statement, please verify the information on the identification label which is located on the first page of the Statement. This will ensure proper identification for the facility.

The last day to file the 2014-2015 Surcharge Statement without incurring penalty and interest penalty charges is AUGUST 15, 2015 (U.S. Postmarked no later than August 17, 2015). Surcharge Statements filed after the due date will incur a one percent penalty for each day the charge is delinquent. This penalty shall not exceed ten percent. An interest penalty is also charged on the total of all unpaid including penalty charges.

A Sanitation Districts' sewer connection fee program was implemented on December 15, 1981. A connection fee is required of all new users of the sewerage system, as well as existing users who increase their wastewater discharge by more than 25 percent. This facility's baseline capacity for connection fee purposes is determined from Districts' industrial permit and surcharge records. Please contact the Sanitation Districts' Surcharge Section if it is believed a connection fee is due as a result of this filing.

If you have any questions concerning the Surcharge or Connection Fee Programs you may contact the Surcharge Section at (562) 908-4288, extension 2600 or email surchargeinfo@lacsd.org.

Very truly yours,

Grace Robinson Hyde

(This form must be used by all companies discharging more than six (6) million gallons of wastewater to the sewer during fiscal year 2014-2015)

7. COMPANY NAME AND FEDERAL TAX ID NO. _____

8. COMPANY MAILING ADDRESS _____
 10700*PAINTER*AVE**SANTA*FE*SPRINGS*90670

9. ADDRESS OF WASTEWATER DISCHARGE _____
 TO: E D MITCHELL E
 5375 E 2ND STREET SUITE 200

10. PROPERTY TAX IDENTIFICATION NO. _____
 LONG BEACH CA 90803
 18 1437680 E 8910/800/739 L

(Map Book No.) (Page No.) (Parcel No.)

RETURN THIS COPY TO THE SANITATION DISTRICTS

11. FEDERAL STANDARD INDUSTRIAL CLASSIFICATION (SIC) NO(S). 1311

TOTAL YEARLY WASTEWATER QUANTITIES
 (Furnish calculation details in Tables 2B and 3)

	No. 1	No. 2	No. 3	No. 4	TOTALS
12. DISCHARGE OUTLETS TO SEWER Sanitation Districts' Permit No(s).....	2462				
<input type="checkbox"/> If more than four (4) outlets are reported, enter total number in box and use Table 1 to calculate totals for Lines 13a, 14a, and 15a.					
13. FLOW VOLUME (In millions of gallons to two decimal places)	1.95				1.95 13a (TOTAL FLOW)
14. CHEMICAL OXYGEN DEMAND (COD) (In thousands of lbs. to two decimal places)	10.57				10.57 14a (TOTAL COD)
15. SUSPENDED SOLIDS (SS) (In thousands of lbs. to two decimal places)	1.62				1.62 15a (TOTAL SS)
16. PEAK FLOW RATE (Round off to whole numbers. Average of 10 highest peak flows, in gallons per minute. Use calculation table on reverse side of this form)					8 16a (Enter Line 39a or Line 43a from reverse side of this form)

DETAILS OF WASTEWATER DETERMINATIONS

17. METHOD OF FLOW VOLUME DETERMINATION (submit copies of water bills if metered or adjusted metered water supply method is used)
 Direct Measurement Metered Water Supply (complete Tables 2A and 2B) Adjusted Metered Water Supply (complete Tables 2A and 2B) (submit totalizer readings)

18. SOURCE OF WATER SUPPLY Water Well Water Purveyor - Name _____

19. METHOD OF PEAK FLOW RATE DETERMINATION
 Direct Measurement Assumed P/A = 2.00 Calculated Value (submit calculations)

CALCULATION OF WASTEWATER TREATMENT SURCHARGE PAYABLE

20. FLOW VOLUME CHARGE (Multiply total flow on Line 13a by \$796.00).....	20a	\$ 1576.08
21. CHEMICAL OXYGEN DEMAND CHARGE (Multiply total COD on Line 14a by \$140.80).....	21a	\$ 1488.26
22. SUSPENDED SOLIDS CHARGE (Multiply total SS on Line 15a by \$398.30).....	22a	\$ 645.25
23. PEAK FLOW RATE CHARGE (Enter Line 46a from reverse side of this form).....	23a	\$ 0.
24. SANITARY FLOW CHARGE (Enter Line 48a from reverse side of this form).....	24a	\$ 0.
25. GROSS WASTEWATER TREATMENT SURCHARGE PAYABLE (The sum of Lines 20a, 21a, 22a, 23a and 24a).....	25a	\$ 3709.59
26. QUARTERLY PAYMENT CREDIT (Total amount paid for the first three quarters of the fiscal year).....	26a	\$ 4755.00
27. NET WASTEWATER TREATMENT SURCHARGE PAYABLE - QUARTER 4 (Line 25a less Line 26a)..... (Please indicate any overpayment in brackets, as [])	27a	\$ 1045.41

CERTIFIED CORRECT BY COMPANY ADMINISTRATIVE OFFICER
 I hereby certify under the penalty of perjury that this statement and supporting data are complete and correct.

28. SIGNATURE Sandra Hodge 29. DATE 07/29/15

30. PRINT NAME and POSITION Sandra Hodge, Bookkeeper

31. PREPARED BY same as above

32. TELEPHONE NO. OF DISCHARGER 562-433-1414
 (Include Area Code)

Please enclose a check in the full amount shown on Line 27a. Make the check payable to the County Sanitation Districts of Los Angeles County. Any overpayments will be refunded upon verification by the Sanitation Districts.

Please use the pre-addressed envelope for return. For more information call the Surcharge Section at (562) 908-4288 or (323) 685-5217, ext 2600.

Please pay by August 15, 2015 to avoid penalty and interest penalty charges.

See page 32 for credit/debit card options

Due August 15, 2015
U.S. Postmarked no later than August 17, 2015. **DO NOT STAPLE FORMS**

USE THE PREVIOUS PAGE AS YOUR WORKSHEET

Return This Copy To The Sanitation Districts

CALCULATION TABLE FOR PEAK FLOW RATE CHARGE

33. TOTAL YEARLY FLOW VOLUME (In gallons. Multiply Line 13a by 1,000,000).....	33a	<u>1,980,000</u>
34. NUMBER OF DISCHARGE DAYS PER YEAR	34a	<u>365</u>
35. AVERAGE NUMBER OF DISCHARGE HOURS PER DISCHARGE DAY	35a	<u>24.00</u>
36. MINUTES PER YEAR (Multiply Line 34a by Line 35a by 60).....	36a	<u>525,600</u>
37. AVERAGE FLOW RATE "A" (In gallons per minute. Divide Line 33a by Line 36a)	37a	<u>4</u>
38. NUMBER OF DISCHARGE OUTLETS TO SEWER AS LISTED ON LINE 12 OR IN TABLE 1	38a	<u>1</u> <small>(If 1, proceed to Line 39. If more than 1, proceed to Line 40.)</small>
39. PEAK FLOW RATE "P" FOR SINGLE OUTLET (In gallons per minute. Complete Line 39a and proceed to Line 44. If 10 gpm or less, do not calculate a peak flow rate charge)	39a	<u>8</u> <small>(Enter on Line 16a)</small>
40. HIGHEST PEAK FLOW RATE "P" AMONG MULTIPLE OUTLETS (From Line 16 or Table 1).....	40a	_____
41. TOTAL YEARLY FLOW VOLUME OF THE OUTLET WITH THE HIGHEST PEAK FLOW RATE (Multiply value from Line 13 or Table 1 by 1,000,000)	41a	_____
42. AVERAGE FLOW RATE OF THE OUTLET WITH THE HIGHEST PEAK FLOW RATE (Divide Line 41a by Line 36a).....	42a	_____
43. PEAK FLOW RATE "P" FOR MULTIPLE OUTLETS (Line 40a plus Line 37a minus Line 42a. If 10 gpm or less, do not calculate a peak flow rate charge).....	43a	_____ <small>(Enter on Line 16a)</small>
44. PEAK TO AVERAGE FLOW RATIO (P/A) (Divide either Line 39a or 43a by 37a).....	44a	<u>N/A</u> <small>(To two decimal places)</small>
45. FACTOR "M" (Calculate $M = 2.50 \log (P/A)$).....	45a	_____ <small>(To two decimal places)</small>
46. PEAK FLOW RATE CHARGE (Multiply Line 45a by \$105.60 by either Line 39a or Line 43a)	46a	\$ <u>N/A</u> <small>(Enter on Line 23a)</small>

CALCULATION TABLE FOR SANITARY FLOW CHARGE

IMPORTANT: This charge is calculated only when the total yearly flow volume on Line 13a does not include the sanitary (domestic) wastewater from company employees.

47. AVERAGE NUMBER OF EMPLOYEES PER DISCHARGE DAY <u>NOT</u> CONTRIBUTING TO THE REPORTED FLOW VOLUME ON LINE 13a	47a	<u>0</u>
48. SANITARY FLOW CHARGE (Multiply Line 34a by Line 47a by \$0.034)	48a	\$ <u>0</u> <small>(Enter on Line 24a)</small>

TABLE 3

chemical oxygen demand & suspended solids summary

Fiscal Year 2014/2015

Facility ID No

1437680

Company Name

E. D. Mitchell

Districts' Permit No

2462

SIC No

1311

(Prepare One Table For Each Discharge Outlet)

Method of Flow

Volume Determination Direct Measurement Metered Water Supply Adjusted Metered Water Supply
(complete Tables 2A and 2B) (complete Tables 2A and 2B)

Sample No.	Date of 24-Hour Sampling & Measurements	Surcharge Parameter Report 1/		Tests Represent Period of Time				Total Wastewater Quantities Discharged to the Sewer (to two decimal places)		
		Chemical Oxygen Demand (COD) (mg/l) 2/ 5/	Suspended Solids (SS) (mg/l) 2/ 5/	From		Thru		Flow Volume (millions of gal.) 3/ 4/	Chemical Oxygen Demand (COD) (thousands of lbs.) 6/	Suspended Solids (SS) (thousands of lbs.) 6/
				Mo.	Day	Mo.	Day			
1	9/9/14	954	71							
2	9/9/14	396	110							
3	12/18/14	875	72							
4	2/18/15	468	170							
5	3/5/15	520	95							
6	6/3/15	689	70							
7	/ /									
8	/ /									
9	/ /									
10	/ /									
11	/ /									
12	/ /									
13	/ /									
14	/ /									
15	/ /									
16	/ /									
17	/ /									
18	/ /									
19	/ /									
20	/ /									
21	/ /									
22	/ /									
23	/ /									
24	/ /									
Annual Average		640	98	Annual Total				1.98	10.57	1.62

NOTES:

- 1/ Frequency of surcharge parameter measurements should follow the requirements in Table A, according to the total yearly flow volume of the discharge outlet. If more than 24 tests are required or performed during the fiscal year, please attach additional sheets.
- 2/ Mg/l corresponds to milligrams per liter - also equivalent to PPM or parts per million. All sample results must be reported in whole numbers.
- 3/ Companies determining wastewater flows by an effluent flow meter must have a value for flow volume in this column consistent with the required sampling time period (Refer to Table A). These flow volumes should be used to calculate the quantities of COD and SS discharged.
- 4/ Companies using metered or adjusted metered water supplies should calculate the annual average for COD and SS and use these values and the total annual flow volume to calculate the total annual wastewater quantities of COD and SS discharged.
- 5/ Submit copies of laboratory analyses for ALL 24-hour composite samples which were analyzed for either COD or SS concentrations.
- 6/ The flow-weighted COD and SS in thousands of pounds is determined by:

$$\boxed{\text{Flow Volume Discharged in Millions of Gallons (to two decimal places)}} \times \boxed{\text{Chemical Oxygen Demand or Suspended Solids Concentration in Milligrams per Liter (mg/l)}} \times \boxed{\frac{8.34}{1,000}} = \boxed{\text{Thousands of pounds of Chemical Oxygen Demand or Suspended Solids (to two decimal places)}}$$

TABLE 2B

adjusted metered water supply table

Fiscal Year 2014/2015

(Attach Additional Sheets If Necessary)

Company Name E. D. Mitchell

Facility ID No 1437680

SIC No 1311

Sanitation Districts' Permit No 2462

1. Metered Water Supply from Purveyor (Water Company). Complete Table 2A and attach copies of water bills. + mil. gal./yr.
2. Water Supply from Company Well. Attach copies of meter or well pumping records. + 1,981,140 mil. gal./yr.
3. Water Received in Raw Materials. Explain how determined in attachments. + mil. gal./yr.
4. Wastewater Discharged to Stormwater Drainage System. Explain how determined in attachments. Enter your NPDES Permit # - mil. gal./yr.
5. Water Lost Through Evaporation. Explain how determined in attachments. May include irrigation losses. - mil. gal./yr.
6. Water Lost in Products. Explain how determined in attachments. - mil. gal./yr.
7. Sanitary Flow Deduction. - mil. gal./yr.
8. Water Gained by Other Means. Explain how determined in attachments. + mil. gal./yr.
9. TOTAL INDUSTRIAL WASTEWATER DISCHARGED TO PUBLIC SEWER. ENTER THIS AMOUNT ON LINE 13a OF THE LONG FORM. 198 mil. gal./yr.

WATER LOSS CALCULATIONS

IRRIGATION LOSSES

Square Footage of Land Irrigated	x	18.7*	÷	1,000,000	=	Mil. Gal. Per Year
	x	18.7*	÷	1,000,000	=	<input type="text"/>

*18.7 = Gallons per square foot of irrigated area per year

COOLING TOWER

Tonnage	x	Hours of Operation Per Year	x	% Load	x	1.38*	÷	1,000,000	=	Mil. Gal. Per Year
	x		x	0._____	x	1.38*	÷	1,000,000	=	<input type="text"/>
	x		x	0._____	x	1.38*	÷	1,000,000	=	<input type="text"/>

*1.38 = Gallons evaporated per hour per ton

BOILER

NATURAL GAS USAGE IN THERMS _____ . Must submit copies of Natural Gas bills.

Horsepower	x	Hours of Operation Per Year	x	% Load	x	% Steam Loss To Atmosphere	x	3.82*	÷	1,000,000	=	Mil. Gal. Per Year
	x		x	0._____	x	0._____	x	3.82*	÷	1,000,000	=	<input type="text"/>
	x		x	0._____	x	0._____	x	3.82*	÷	1,000,000	=	<input type="text"/>

*3.82 = Gallons evaporated per hour per horsepower

SANITARY FLOW

Employees	x	Discharge Days Per Year	x	Gallons Per Employee Per Day	÷	1,000,000	=	Mil. Gal. Per Year
	x		x	15	÷	1,000,000	=	<input type="text"/>

Conversion Factors: 1 cubic foot = 7.48 gallons 1 acre foot = 325,900 gallons 1 gallon of water = 8.34 pounds of weight

The formulas are provided for estimations and may not be suitable for all types of industries. All calculations are subject to review by the Districts.

TABLE 1

multiple discharge outlet summary

Fiscal Year 2014/2015

(Attach Additional Sheets If Necessary)

Company Name E. D. Mitchell

Facility ID No 1437680

Discharge Outlet to Sewer 2/		Flow Volume (In millions of gallons to two decimal places)	Chemical Oxygen Demand (COD) (In thousands of pounds to two decimal places) 1/	Suspended Solids (SS) (In thousands of pounds to two decimal places) 1/	Peak Flow Rate (In gallons per minute. Round off to whole numbers.)
No.	Districts' Permit No.				
1.					
2.					
3.			Not applicable -		
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
TOTALS					
HIGHEST VALUE LISTED 3/					

- NOTES:
- 1/ Copies of laboratory analyses must be submitted for all 24-hour composite samples taken during the fiscal year which were analyzed for either COD or SS concentrations.
 - 2/ For four (4) or less discharge outlets, use the Surcharge Statement to report wastewater quantities discharged. For over four (4) discharge outlets, use this Table 1 to report wastewater quantities for each outlet and report only the totals on the Surcharge Statement.
 - 3/ Enter only the highest individual value listed for any discharge outlet. Enter this value on Line 40a of the "Long Form" Surcharge Statement.

water usage verification table

Fiscal Year 2014/2015

(Attach Additional Sheets If Necessary)

Company Name E. D. Mitchell

Facility ID No 1437680 SIC No 1311

Sanitation Districts' Permit No 2462

WATER USAGE FROM WATER BILLS 1/ 2/

PREPARE ONE TABLE PER WATER METER

Date From:	Date To:	Present Water Bill Reading (in CCF)	Previous Water Bill Reading (in CCF)	Water Usage (in CCF) ^{1/2/}
		Not applicable - We use Pumper Reports		
TOTAL FISCAL YEAR WATER USAGE IN CCF				

Total Yearly CCF x 748 = _____ Gals Per Year ÷ 1,000,000 = _____ Million Gals Per Year

SUBMIT COPIES OF WATER BILLS
 Include Table 2B to calculate and deduct sanitary flow

- NOTES:
- 1/ Most water bill usage is expressed in hundreds of cubic feet (CCF). One hundred cubic feet (CCF) = 748 gallons.
 - 2/ If water meter records are in acre feet (1 acre foot = 325,900 gallons) or gallons, please change table headings from CCF to agree with data.

TABLE 1

multiple discharge outlet summary

Fiscal Year 2014/2015

(Attach Additional Sheets If Necessary)

Company Name E. D. Mitchell

Facility ID No 1437680

Discharge Outlet to Sewer 2/		Flow Volume (In millions of gallons to two decimal places)	Chemical Oxygen Demand (COD) (In thousands of pounds to two decimal places) 1/	Suspended Solids (SS) (In thousands of pounds to two decimal places) 1/	Peak Flow Rate (In gallons per minute. Round off to whole numbers.)
No.	Districts' Permit No.				
1.					
2.					
3.			- Not applicable -		
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
TOTALS					
HIGHEST VALUE LISTED 3/					

NOTES:

- 1/ Copies of laboratory analyses must be submitted for all 24-hour composite samples taken during the fiscal year which were analyzed for either COD or SS concentrations.
- 2/ For four (4) or less discharge outlets, use the Surcharge Statement to report wastewater quantities discharged. For over four (4) discharge outlets, use this Table 1 to report wastewater quantities for each outlet and report only the totals on the Surcharge Statement.
- 3/ Enter only the highest individual value listed for any discharge outlet. Enter this value on Line 40a of the "Long Form" Surcharge Statement.

water usage verification table

Fiscal Year 2014/2015

(Attach Additional Sheets If Necessary)

Company Name E. D. Mitchell

Facility ID No 1437680

SIC No 1311

Sanitation Districts' Permit No 2462

WATER USAGE FROM WATER BILLS 1/ 2/

PREPARE ONE TABLE PER WATER METER

Date From:	Date To:	Present Water Bill Reading (in CCF)	Previous Water Bill Reading (in CCF)	Water Usage (in CCF) ^{1/2/}
		Not applicable - We use Pumper Reports		
TOTAL FISCAL YEAR WATER USAGE IN CCF				

Total Yearly CCF x 748 = _____ Gals Per Year ÷ 1,000,000 = _____ Million Gals Per Year

SUBMIT COPIES OF WATER BILLS
Include Table 2B to calculate and deduct sanitary flow

- NOTES:
- 1/ Most water bill usage is expressed in hundreds of cubic feet (CCF). One hundred cubic feet (CCF) = 748 gallons.
 - 2/ If water meter records are in acre feet (1 acre foot = 325,900 gallons) or gallons, please change table headings from CCF to agree with data.

TABLE 2A

water usage verification table

Fiscal Year 2014/2015

(Attach Additional Sheets If Necessary)

Company Name EDM

Facility ID No 1437680 SIC No 1311

Sanitation Districts' Permit No 2462

WATER USAGE FROM WATER BILLS 1/ 2/

PREPARE ONE TABLE PER WATER METER

Date From:	Date To:	Present Water Bill Reading (in CCF)	Previous Water Bill Reading (in CCF)	Water Usage (in CCF) ^{1/ 2/}
		Not applicable - We use Pumper Reports		
TOTAL FISCAL YEAR WATER USAGE IN CCF				

Total Yearly CCF x 748 = _____ Gals Per Year ÷ 1,000,000 = _____ Million Gals Per Year

SUBMIT COPIES OF WATER BILLS
Include Table 2B to calculate and deduct sanitary flow

- NOTES:
- 1/ Most water bill usage is expressed in hundreds of cubic feet (CCF). One hundred cubic feet (CCF) = 748 gallons.
 - 2/ If water meter records are in acre feet (1 acre foot = 325,900 gallons) or gallons, please change table headings from CCF to agree with data.

①

adjusted metered water supply table

Fiscal Year 2014/2015

(Attach Additional Sheets If Necessary)

Company Name E. D. Mitchell

Facility ID NO 1437680

SIC NO 1311

Sanitation Districts' Permit NO 2462

- | | | | | |
|--|---|---|--|---------------|
| 1. Metered Water Supply from Purveyor (Water Company). Complete Table 2A and attach copies of water bills. | + | | | mil. gal./yr. |
| 2. Water Supply from Company Well. Attach copies of meter or well pumping records. | + | 1,981,140 | | mil. gal./yr. |
| 3. Water Received in Raw Materials. Explain how determined in attachments. | + | | | mil. gal./yr. |
| 4. Wastewater Discharged to Stormwater Drainage System. Explain how determined in attachments. Enter your NPDES Permit # _____ | - | | | mil. gal./yr. |
| 5. Water Lost Through Evaporation. Explain how determined in attachments. May include irrigation losses. | - | | | mil. gal./yr. |
| 6. Water Lost in Products. Explain how determined in attachments. | - | | | mil. gal./yr. |
| 7. Sanitary Flow Deduction. | - | | | mil. gal./yr. |
| 8. Water Gained by Other Means. Explain how determined in attachments. | + | | | mil. gal./yr. |
| 9. TOTAL INDUSTRIAL WASTEWATER DISCHARGED TO PUBLIC SEWER. ENTER THIS AMOUNT ON LINE 13a OF THE LONG FORM. | | 198 | | mil. gal./yr. |

WATER LOSS CALCULATIONS

IRRIGATION LOSSES

Square Footage of Land Irrigated	x	18.7*	÷	1,000,000	=	Mil. Gal. Per Year
	x	18.7*	÷	1,000,000	=	

*18.7 = Gallons per square foot of irrigated area per year

COOLING TOWER

Tonnage	x	Hours of Operation Per Year	x	% Load	x	1.38*	÷	1,000,000	=	Mil. Gal. Per Year
	x		x	0. _____	x	1.38*	÷	1,000,000	=	
	x		x	0. _____	x	1.38*	÷	1,000,000	=	

*1.38 = Gallons evaporated per hour per ton

BOILER

NATURAL GAS USAGE IN THERMS _____ . Must submit copies of Natural Gas bills.

Horsepower	x	Hours of Operation Per Year	x	% Load	x	% Steam Loss To Atmosphere	x	3.82*	÷	1,000,000	=	Mil. Gal. Per Year
	x		x	0. _____	x	0. _____	x	3.82*	÷	1,000,000	=	
	x		x	0. _____	x	0. _____	x	3.82*	÷	1,000,000	=	

*3.82 = Gallons evaporated per hour per horsepower

SANITARY FLOW

Employees	x	Discharge Days Per Year	x	Gallons Per Employee Per Day	÷	1,000,000	=	Mil. Gal. Per Year
	x		x	15	÷	1,000,000	=	

Conversion Factors: 1 cubic foot = 7.48 gallons 1 acre foot = 325,900 gallons 1 gallon of water = 8.34 pounds of weight

The formulas are provided for estimations and may not be suitable for all types of industries. All calculations are subject to review by the Districts.

TABLE 3

chemical oxygen demand & suspended solids summary

2

Fiscal Year 2014/2015

Facility ID No

1437680

Company Name

E. D. Mitchell

Districts' Permit No

2462

SIC No

1311

(Prepare One Table For Each Discharge Outlet)

Method of Flow

Volume Determination

Direct Measurement

Metered Water Supply

Adjusted Metered Water Supply

(complete Tables 2A and 2B)

(complete Tables 2A and 2B)

Sample No.	Date of 24-Hour Sampling & Measurements	Surcharge Parameter Report 1/				Tests Represent Period of Time				Total Wastewater Quantities Discharged to the Sewer (to two decimal places)		
		Chemical Oxygen Demand (COD) (mg/l)		Suspended Solids (SS) (mg/l)		From		Thru		Flow Volume (millions of gal.) 3/ 4/	Chemical Oxygen Demand (COD) (thousands of lbs.) 6/	Suspended Solids (SS) (thousands of lbs.) 6/
		2/ 5/	2/ 5/	Mo.	Day	Mo.	Day					
1	9/4/14	954	71									
2	9/9/14	396	110									
3	12/18/14	875	72									
4	2/18/15	408	170									
5	3/5/15	520	95									
6	6/3/15	689	70									
7	/ /											
8	/ /											
9	/ /											
10	/ /											
11	/ /											
12	/ /											
13	/ /											
14	/ /											
15	/ /											
16	/ /											
17	/ /											
18	/ /											
19	/ /											
20	/ /											
21	/ /											
22	/ /											
23	/ /											
24	/ /											
Annual Average		640	98	Annual Total				1.98	10.57	1.62		

NOTES:

- 1/ Frequency of surcharge parameter measurements should follow the requirements in Table A, according to the total yearly flow volume of the discharge outlet. If more than 24 tests are required or performed during the fiscal year, please attach additional sheets.
- 2/ Mg/l corresponds to milligrams per liter – also equivalent to PPM or parts per million. All sample results must be reported in whole numbers.
- 3/ Companies determining wastewater flows by an effluent flow meter must have a value for flow volume in this column consistent with the required sampling time period (Refer to Table A). These flow volumes should be used to calculate the quantities of COD and SS discharged.
- 4/ Companies using metered or adjusted metered water supplies should calculate the annual average for COD and SS and use these values and the total annual flow volume to calculate the total annual wastewater quantities of COD and SS discharged.
- 5/ Submit copies of laboratory analyses for ALL 24-hour composite samples which were analyzed for either COD or SS concentrations.
- 6/ The flow-weighted COD and SS in thousands of pounds is determined by:

$$\left[\begin{array}{l} \text{Flow Volume Discharged} \\ \text{in Millions of Gallons} \\ \text{(to two decimal places)} \end{array} \right] \times \left[\begin{array}{l} \text{Chemical Oxygen Demand or} \\ \text{Suspended Solids Concentration} \\ \text{in Milligrams per Liter (mg/l)} \end{array} \right] \times \left[\begin{array}{c} 8.34 \\ 1,000 \end{array} \right] = \left[\begin{array}{l} \text{Thousands of pounds of} \\ \text{Chemical Oxygen Demand} \\ \text{or Suspended Solids} \\ \text{(to two decimal places)} \end{array} \right]$$



**iPACS Monitoring Sample Report
For Surcharge**

Current as of 7/29/2015 10:09:37AM

Facility: 1437680 E D MITCHELL E

10700 PAINTER Avenue
Santa Fe Springs, CA 90670

IW Laboratory Results

Sample Location 002462A

COD, Total	396 mg/L	Composite 09/09/2014 to 09/10/2014	ID: 9416379	Type: IW Laboratory Results
Solids, Suspended	110 mg/L	Composite 09/09/2014 to 09/10/2014	ID: 9416380	Type: IW Laboratory Results

Sampler Flows:

Completed By: jaquero

Reading	Units	Start	End	
5	gpm	9/10/14 9:15 am	9/10/14 9:15 am	Estimate

Task Comments:0022462A Routine composite sample collection. 9/10/14 JQ

Monitoring Comments:

Comment Type	Comment
General Comment	0022462A Routine composite sample collection. 9/10/14 JQ

Sample Collection Details

Created By: jaquero

Field check date	9/10/2014
Number of pulses	0
Sampler used	Auto-Composite Sampler With Ice
Sample collection method	Time Composite
Samples taken at	15
Estimated Total Composite Volume	6
Final Aliquot Volume	60
Initial Aliquot Volume	60
Aliquots taken	90
Expected aliquot	90
Total Composite Time	1350

Field Sample Results

Substance	Result
pH	7.81 S.U.
pH	7.45 S.U.
Color, Apparent	light brown None
Temperature	75 Deg. F
pH	7.23 S.U.

COD, Total	408 mg/L	Composite 02/18/2015 to 02/19/2015	ID: 9449663	Type: IW Laboratory Results
Solids, Suspended	170 mg/L	Composite 02/18/2015 to 02/19/2015	ID: 9449664	Type: IW Laboratory Results

Sampler Flows:

Completed By: jaquero

Reading	Units	Start	End	
3	gpm	2/19/15 9:15 am	2/19/15 9:15 am	Estimate

Task Comments:002462A Routine composite sample collection. 2/19/15 JQ

Monitoring Comments:

Comment Type	Comment
General Comment	002462A Routine composite sample collection. 2/19/15 JQ
Sampling Contact	Unattended

Sample Collection Details		Created By: jaquero
Field check date	2/19/2015	
Number of pulses	0	
Sampler used	Auto-Composite Sampler With Ice	
Sample collection method	Time Composite	
Samples taken at	15	
Estimated Total Composite Volume	6	
Final Aliquot Volume	60	
Initial Aliquot Volume	60	
Aliquots taken	94	
Expected aliquot	94	
Total Composite Time	1410	

Field Sample Results

Substance	Result
pH	7.07 S.U.
Temperature	80 Deg. F
pH	7.37 S.U.
Color, Apparent	Grey None
Temperature	61 Deg. F
pH	7.10 S.U.
Temperature	76 Deg. F

SMR Results

Sample Location 002462A

COD, Total	954 mg/L	Composite 09/04/2014 to 09/04/2014	ID: 9481428	Type: SMR Results
Solids, Suspended	71 mg/L	Composite 09/04/2014 to 09/04/2014	ID: 9481428	Type: SMR Results

Sampler Flows: Completed By:

Reading	Units	Start	End

COD, Total	520 mg/L	Composite 03/05/2015 to 03/05/2015	ID: 9497615	Type: SMR Results
Solids, Suspended	95 mg/L	Composite 03/05/2015 to 03/05/2015	ID: 9497615	Type: SMR Results

Sampler Flows: Completed By:

Reading	Units	Start	End