COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: **Last Updated:** **Reporting Year:**

Ponds And Lagoon Leakage

	Questions	Points
1.	What material was used to line your ponds?	
2.	Did you measure influent flow to your wastewater ponds or lagoons?	
	○ Yes (0 points) ○ No (40 points - Go to 9) 2.1 Enter your method of influent flow measurement in the box below:	
3.	Did you measure effluent flow discharged from your wastewater system either to the land disposal system or to the receiving stream?	
	○ Yes (0 points) ○ No (40 points - Go to 8) ○ No Discharge (0 points) 3.1 Enter your method of effluent flow measurement in the box below:	
4.	Total monthly influent and effluent flow volumes from the pond/lagoon system during the last calendar year.	

Total Monthly Influent Volume(million gal)		Total Monthly Effluent Volume(million gal)
	January	
	February	
	March	
	April	
	May	
	June	
	July	
	August	
	September	
	October	
	November	
	December	
	Years Total	

5.	From the yearly total influent and effluent volumes from 4 above, total effluent is divided by total influent and converted to a percent of volume loss.	

COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: **Last Updated:** **Reporting Year:**

Ponds And Lagoon Leakage (Continued)

Total effluent, million gal => = = effl / infl ratio

Total influent, million gal =>

Conversion to a percent of volume loss:

(1-effl/infl ratio)* 100 ==> % of influent lost and not discharged with effluent

6. What was the total wastewater surface area of the ponds/lagoons at operating level (do not include seepage cells)?

Acres

7. Leakage Rate Estimation

7.1

Total influent volume (in million gallons) minus total effluent volume (in million gallons) plus or minus the change in pond/lagoon storage (in million gallons) is the net wastewater loss. The net loss divided by 0.000365 equals the estimated leakage amount in gallons per day.

Total Annual Influent(MG)		
Total Annual Effluent(MG)		
Estimated Net Loss(MG)		
Estimated Leakage Amount (GPD)		

If you have a Department approved method for determining a change in storage volume, then enter the storage change last year in million gallons below.

○ Storage Increase: Enter amountin MG ->

○ Storage Descrease: Enter amount in MG ->

7.2

CMAR Estimated Leakage Rate in gallons per acre per day (gpad):

The CMAR Estimated Leakage Rate in gpad is the leakage amount in gpd (from part 7.1) divided by the total pond surface area (from part 6).

Leakage Amount, gpd		Acres		CMAR Estimated Leakage Rate, gpad
	divided by		=	

8. Did you conduct an on-site, field water balance/leakage test on your ponds or lagoons that was approved by the Department and is still valid?

8.1 ○ Yes Year

○ No

8.2 If yes, what was the Field Test Calculated Leakage Rate for your ponds/lagoons?

gpad

COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: **Last Updated:** **Reporting Year:**

Ponds And Lagoon Leakage (Continued)

NOTE: if 8.1 is answered Yes, the value in 8.2 will be used in 9 to compute points generated.

8.3 Leakage Rate Comments:

9. The CMAR Estimated Leakage Rate (from 7) is used to determine the points generated in the table below.

IF an approved field test was conducted and the results are still valid and accepted by the Department,the Field Calculated Leakage rate (from 8.2) is used to determine the points earned from the table below

gpad	points
0-1,000	0
1,001-2,000	10
2,001-4,000	20
4,001-7,000	30
>7,000	40

Based on the leakage rate in gpad, the points earned are:

Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	