

ANNUAL STATISTICAL INVENTORY RECONCILIATION (SIR) SUMMARY REPORT

Month _____, 200__ through Month _____, 200__
Annual summary reports are required for retail and non-retail facilities.

Facility Name:	Tank Owner/Operator:	
Facility Address:	City:	Zip:

Tank I.D. # :	Tank Capacity:	Product:
Last Tank Tightness Test Date:	Pass/Fail (Circle one)	Last Leak Detector Check Date:
Last Piping Tightness Test Date:	Pass/Fail (Circle one)	Last Meter Calibration Check Date:
		Pass/Fail (Circle one)

SIR Provider/Vendor: _____ **SIR Method & Version Number:** _____

Performance standard:	<input type="checkbox"/> 0.2 gph	<input type="checkbox"/> 0.1 gph
Threshold of SIR method:	<input type="checkbox"/> Fixed	<input type="checkbox"/> Variable

Annual summary of test results from monthly SIR reports. **Complete for all 12 months.**

Month & Year	Leak Threshold (gph)	Minimum Detectable Leak Rate (gph)	Calculated Leak Rate (gph)	Pass (P), Fail (F), or Inconclusive (I)	Specify Follow-up Actions
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

For Inconclusive/Fail SIR Results:

- Appropriate corrective actions described in section 2646.1 of title 23 of the California Code of Regulations were taken. Yes No
- The local agency was notified by owner/operator within 24 hours of receiving Inconclusive/Fail SIR report(s). Yes No

I certify under penalty of perjury that all SIR results reported above are as calculated by the SIR provider/vendor.

 Signature of Tank Owner/Operator or Agent Date

Submit a separate Annual Summary Report form for each tank.
Submit this report to the local agency within 15 days following the end of the last twelve (12) month period covered by this summary report.

REPORTING OF STATISTICAL INVENTORY RECONCILIATION (SIR) TEST RESULTS

1. MDL \leq 0.2 gph Certification Performance Standard

Th	MDL 0.2 gph
Calculated Leak Rate < Th PASS	Calculated Leak Rate \geq Th FAIL

2. MDL > 0.2 gph Certification Performance Standard

Th	0.2 gph MDL
Calculated Leak Rate < Th INCONCLUSIVE	Calculated Leak Rate \geq Th FAIL

NOTES:

"Th" is the threshold leak rate set to provide a probability of false alarm (P_{FA}) of 5% or less.

"MDL" is the leak rate that has a probability of detection (P_D) of 95% for a threshold that has a specified false alarm rate of 5%. In other words, MDL is the minimum leak rate the SIR method is capable of achieving for a P_D of 95%.

"Calculated Leak Rate" is the absolute value of the leak rate calculated by the SIR provider using the data provided by the owner/operator. Gains and losses must be reported using the same criteria.

**Submit a separate Annual Summary Report form for each tank.
Submit this report to the local agency within 15 days following the end of the last twelve (12) month
period covered by this summary report.**