

FOUR QUARTER REPORT SUMMARY
DEBOEN COMPANY
ANALYTICAL LABORATORY
NPDES PERMITS

Notes

1. For Dioxins and Furans, laboratory results may have been reported in picograms/liter (pg/L). However, the permit limit is stated in micrograms/liter (µg/L). To evaluate permit compliance, the laboratory results have been converted to µg/L, as necessary, to calculate the TCDD TEQ.
2. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's TEF. The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 40 of the NPDES permit.
3. For some sample dates, pH was determined with a field instrument and was noted as such. These results were not validated. Since pH does not have an RL, the possible pH range is shown in the RL column.
4. The NPDES permit limit or benchmark limit for mercury of 0.10 µg/L (Outfalls 001, 002, 011, 018 and 019) and 0.13 µg/L (Outfalls 003-010) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.
5. All of the following abbreviations and/or notes may not occur on every table.

- 92.9 +/-200 A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition
- \$ reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator
- based on validation of the data, a qualifier was not required
- /- no permit limit established for daily maximum or monthly average
- <(value) analyte not detected at a concentration greater than or equal to the DL, MDL, or RL (see laboratory report for specific detail)
- * result not validated
- *1 improper preservation of sample
- *2 the ICP/MS ppb check standard was recovered above the control limit; therefore, the constituent is not detected

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SUMMARY OF PERMIT LIMIT EXCEEDANCES

**FOURTH QUARTER 2008
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309**

DAILY MAX PERMIT LIMIT EXCEEDANCES							
OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	PERMIT LIMIT DAILY MAX/ MONTHLY AVERAGE	DAILY MAX RESULT	UNITS	VALIDATION QUALIFIER
Outfall 004	SRE	12/15/08	pH (Field)	6.5-8.5/-	9.1	pH Units	*
Outfall 004	SRE	12/15/08	Chronic Toxicity	1.0	>1.0	TUC	*
Outfall 006	FSDf-2	11/26/08	pH (Field)	6.5-8.5/-	6.0	pH Units	*

DAILY MAX BENCHMARK LIMIT EXCEEDANCES							
Outfall 009	WS-13 Drainage	11/26/08	TCDD TEQ_NoDNQ	2.80E-08/-	3.99E-07	ug/L	--
Outfall 009	WS-13 Drainage	12/15/08	Lead	5.2/-	19	ug/L	--
Outfall 009	WS-13 Drainage	12/15/08	TCDD TEQ_NoDNQ	2.80E-08/-	1.83E-06	ug/L	--
Outfall 014	APTF	11/04/08	Nitrate + Nitrite as Nitrogen (N)	8.0/-	9.3	mg/L	--
Outfall 014	APTF	11/04/08	Nitrate as Nitrogen (N)	8.0/-	9.3	mg/L	--

DAILY MASS BENCHMARK LIMIT EXCEEDANCES							
OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	BENCHMARK LIMIT DAILY MAX/ MONTHLY AVERAGE	DAILY MASS RESULT	UNITS	RESULT CONCENTRATION VALIDATION QUALIFIER
Outfall 009	WS-13 Drainage	12/15/08	TCDD TEQ_NoDNQ	4.20E-09	6.23E-09	lbs/dy	--