gettler — ryan inc.

FACSIMILE COVER SHEET

TO: Pam Evans

COMPANY: ACHD

FROM: Jeff Monroe

DATE: [redacted]

RE: Chevron SS # 5630 (997 Grant)

COMMENTS: Pam - you mentioned this morning aeration to ACHD for back fill material. According to the LUFT manual leaching potential analysis, we are allowed to use soils from ≤10 ppm (for TPH-gas)

3 pages including cover.

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL (415) 783-7500.

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Table 2-1
Leaching Potential Analysis for Gasoline Using Total Petroleum Hydrocarbons(TPH) and Benzene, Toluene, Xylene and Ethylbenzene (BTX&E)

The following table was designed to permit estimating the concentrations of TPH and BTX&E that can be left in place without threatening ground water. Three levels of TPH and BTX&E concentrations were derived (from modeling) for sites which fall into catagories of low, medium or high leaching potential. To use the table, find the appropriate description for each of the features. Score each feature using the weighting system shown at the top of each column. Sum the points for each column and total them. Match the total points to the allowable BTX&E and TPH levels.

SITE FEATURE	SCORE	SCORE 10 PTS IF CONDITION IS MET	SCORE	SCORE 9 PTS IF CONDITION IS MET	SCORE	SCORE 5 PTS IF CONDITION IS MET
Minimum Depth to Ground Water from the Soil Sample (feet)		>100		51-100		25-50\1
Fractures in subsurface (applies to foothills or mountain areas)		None		Unknown		Present
Average Annual Precipitation (inches)		<10		10-25		26-40\2
Man-made conduits which increase vertical migration of leachate		None		Unknown		Present
Unique site features: recharge area, coarse soil, nearby wells, etc		None		At least one		More than one
COLUMN TOTALS-TOTAL PTS		+		+		=
RANGE OF TOTAL POINTS	49pts or more		41 - 48 pts		40pts or less	
MAXIMUM ALLOWABLE B/T/X/E LEVELS (PPM)	1/50/50/50		.3/.3/1/1		NA\3	
MAXIMUM ALLOWABLE TPH LEVELS (PPM)	1000		100		10	

\1 If depth is greater than 5 ft. and less than 25 ft., score 0 points. If depth is 5 ft. or less, this table should not be used.
\2 If precipitation is over 40 inches, score 0 points.
\3 Levels for BTX&E are not applicable at a TPH concentration of 10ppm

Table 2-2
Leaching Potential Analysis for Diesel Using Total Petroleum Hydrocarbons(TPH) and Benzene, Toluene, Xylene and Ethylbenzene (BTX&E)

The following table was designed to permit estimating the concentrations of TPH and BTX&E that can be left in place without threatening ground water. Three levels of TPH and BTX&E concentrations were derived (from modeling) for sites which fall into catagories of low, medium or high leaching potential. To use the table, find the appropriate description for each of the features. Score each feature using the weighting system shown at the top of each column. Sum the points for each column and total them. Match the total points to the allowable BTX&E and TPH levels.

SITE FEATURE	SCORE 10 PTS IF CONDITION IS MET	SCORE 9 PTS IF CONDITION IS MET	SCORE 5 PTS IF CONDITION IS MET
Minimum Depth to Ground Water from the Soil Sample (feet)	>100	51-100	25-50\1
Fractures in subsurface (applies to foothills or mountain areas)	None	Unknown	Present
Average Annual Precipitation (inches)	<10	10-25	26-40\2
Man-made conduits which increase vertical migration of leachate	None	Unknown	Present
Unique site features: recharge area, coarse [illegible] nearby wells, etc	None	At least one	More than one
[illegible] TOTALS→TOTAL PTS	+	+	+ =
RANGE OF TOTAL POINTS	49pts or more	41 - 48 pts	40pts or less
MAXIMUM ALLOWABLE B/T/X/E LEVELS (PPM)	1/50/50/50	.3/.3/1/1	NA\3
MAXIMUM ALLOWABLE TPH LEVELS (PPM)	10000	1000	100

\1 If depth is greater than 5 ft. but less than 25 ft., score 0 points. If depth is 5 ft. or less, this table should not be used.
\2 If precipitation is over 40 inches, score 0 points.
\3 Levels for BTX&E are not applicable at a TPH concentration of 100ppm