

GRI-GLYCalc VERSION 4.0 - EMISSIONS SUMMARY

Case Name: Springhill - 40 MMscfd Dehy 02 - 04/15/15

File Name: C:\projects2\wfs\LMM\Springhill\GP-5#2\00 - D2b - Springhill - GP5 - 40

Dehy-02 GLYCALCalc - 04.15.15.ddf

Date: May 01, 2015

UNCONTROLLED REGENERATOR EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	0.8171	19.611	3.5790
Ethane	0.1428	3.426	0.6253
Propane	0.0190	0.456	0.0832
n-Hexane	0.0005	0.013	0.0024
2,2,4-Trimethylpentane	0.0006	0.014	0.0026
Benzene	0.0623	1.496	0.2730
Toluene	0.1105	2.653	0.4841
Ethylbenzene	0.1574	3.778	0.6894
Xylenes	0.2043	4.903	0.8948
Total Emissions	1.5146	36.350	6.6339
Total Hydrocarbon Emissions	1.5146	36.350	6.6339
Total VOC Emissions	0.5547	13.313	2.4296
Total HAP Emissions	0.5357	12.857	2.3464
Total BTEX Emissions	0.5346	12.829	2.3414

FLASH GAS EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	87.9485	2110.765	385.2146
Ethane	4.1238	98.970	18.0621
Propane	0.2578	6.186	1.1290
n-Hexane	0.0013	0.031	0.0056
2,2,4-Trimethylpentane	0.0014	0.032	0.0059
Benzene	0.0049	0.119	0.0216
Toluene	0.0054	0.130	0.0237
Ethylbenzene	0.0043	0.103	0.0188
Xylenes	0.0039	0.093	0.0169
Total Emissions	92.3512	2216.428	404.4981
Total Hydrocarbon Emissions	92.3512	2216.428	404.4981
Total VOC Emissions	0.2789	6.693	1.2215
Total HAP Emissions	0.0211	0.507	0.0925
Total BTEX Emissions	0.0185	0.444	0.0810

FLASH TANK OFF GAS

Component	lbs/hr	lbs/day	tons/yr
Methane	125.6408	3015.378	550.3065
Ethane	5.8911	141.386	25.8029
Propane	0.3682	8.837	1.6128
n-Hexane	0.0018	0.044	0.0080
2,2,4-Trimethylpentane	0.0019	0.046	0.0085
Benzene	0.0071	0.169	0.0309
Toluene	0.0077	0.185	0.0338
Ethylbenzene	0.0061	0.147	0.0268

Xylenes	0.0055	0.132	0.0241
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Total Emissions	131.9302	3166.326	577.8545
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Total Hydrocarbon Emissions	131.9302	3166.326	577.8545
Total VOC Emissions	0.3984	9.562	1.7450
Total HAP Emissions	0.0302	0.724	0.1322
Total BTEX Emissions	0.0264	0.634	0.1157

COMBINED REGENERATOR VENT/FLASH GAS EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
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Methane	88.7656	2130.376	388.7935
Ethane	4.2665	102.397	18.6874
Propane	0.2768	6.642	1.2122
n-Hexane	0.0018	0.044	0.0080
2,2,4-Trimethylpentane	0.0019	0.047	0.0085
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Benzene	0.0673	1.614	0.2946
Toluene	0.1159	2.782	0.5078
Ethylbenzene	0.1617	3.881	0.7082
Xylenes	0.2081	4.996	0.9117
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Total Emissions	93.8658	2252.778	411.1320
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Total Hydrocarbon Emissions	93.8658	2252.778	411.1320
Total VOC Emissions	0.8336	20.006	3.6511
Total HAP Emissions	0.5568	13.364	2.4389
Total BTEX Emissions	0.5530	13.273	2.4224