

ITEM: 002300FK610

23-0128-0431 RADIATION REPORT

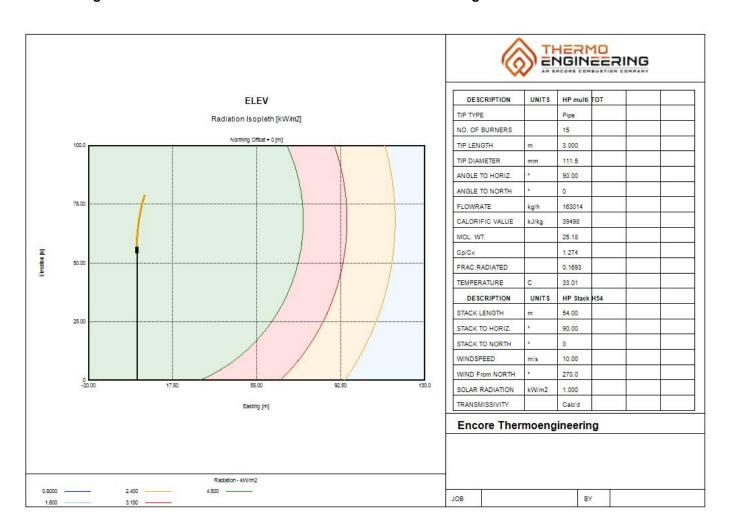
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 : 06

Date : 06/03/25

Radiation at ground level for HP flare - Case 1 - Max Flowrate - Flare height 57 m



RECEPTOR POINTS @STERILE RADIUS

Max Radiation @ Sterile Radius 65 m = 3.171 kW Max Radiation @ Sterile Radius 95 m = 2.387 kW



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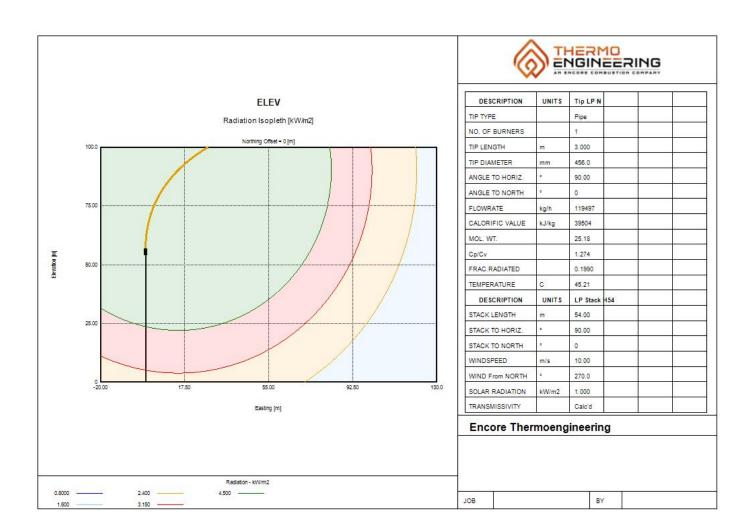
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Radiation at ground level for LP flare - Case 1 - Max Flowrate - Flare height 57 m



RECEPTOR POINTS @STERILE RADIUS

Max Radiation @ Sterile Radius 65 m = 2.489 kW Max Radiation @ Sterile Radius 95 m = 2.079 kW

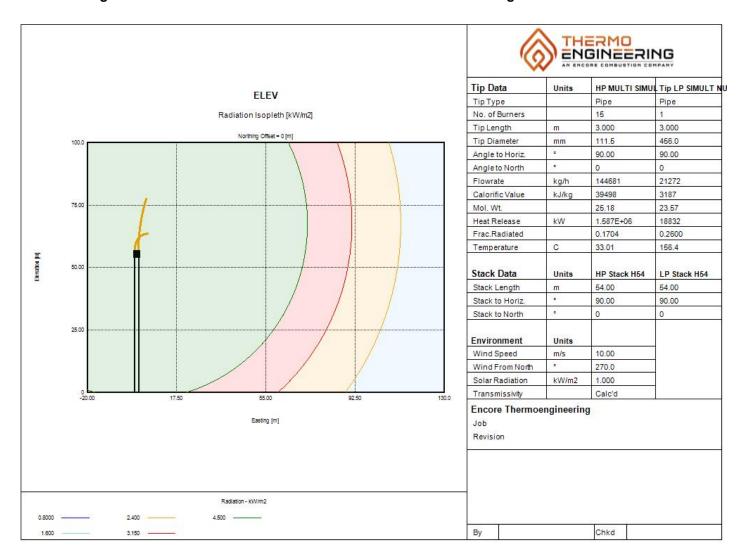


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Radiation at ground level for HP+LP flare – Simultaneous Flowrate – Flare height 57 m



RECEPTOR POINTS @STERILE RADIUS

Max Radiation @ Sterile Radius 65 m = 2.997 kW Max Radiation @ Sterile Radius 95 m = 2.271 kW

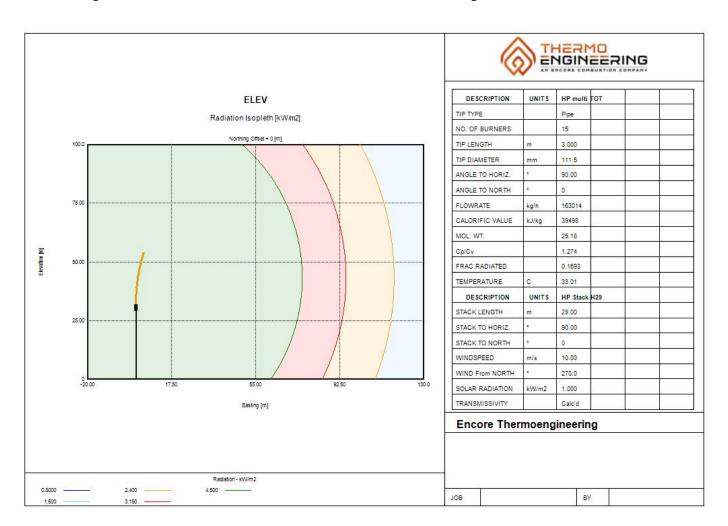


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Radiation at ground level for HP flare - Case 1 - Max Flowrate - Flare height 32 m



RECEPTOR POINTS @STERILE RADIUS

Max Radiation @ Sterile Radius 65 m = 4.256 kW Max Radiation @ Sterile Radius 95 m = 2.771 kW

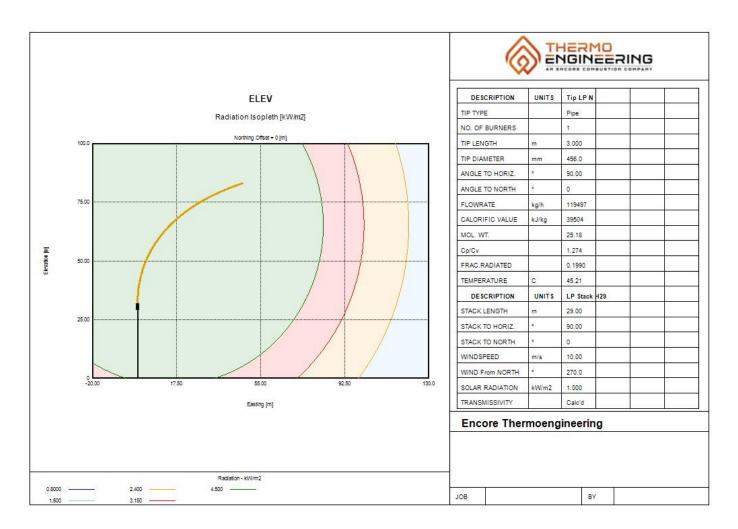


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Radiation at ground level for LP flare - Case 1 - Max Flowrate - Flare height 32 m



RECEPTOR POINTS @STERILE RADIUS

Max Radiation @ Sterile Radius 65 m = 3.375 kW Max Radiation @ Sterile Radius 95 m = 2.485 kW



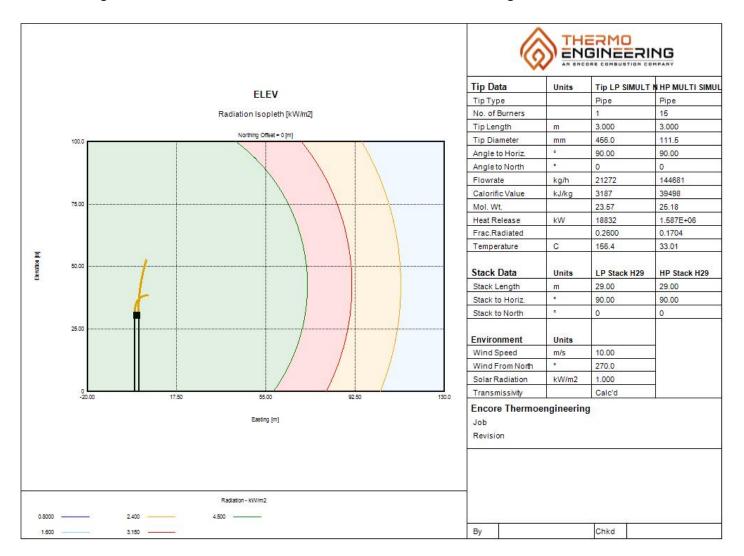
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Radiation at ground level for HP+LP flare – Simultaneous Flowrate – Flare height 32 m



RECEPTOR POINTS @STERILE RADIUS

Max Radiation @ Sterile Radius 65 m = 3.991 kW Max Radiation @ Sterile Radius 95 m = 2.619 kW



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RESULTS

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Summary table of calculated radiations at grade on receptor points located at sterile radii $65\ m-95\ m$

Total flare height	Radius of Steril area	Max. radiation due to LP flare	Max. radiation due to HP flare	Max. radiation due to HP+LP flares
57 m	65 m	3.171	2.489	2.997
	95 m	2.397	2.079	2.271
32 m	65 m	4.596	3.375	3.991
	95 m	2.771	2.485	2.619