

4.0 Offset Requirements Evaluation

The following section provides an estimate of the point source emissions increase associated with the proposed modification. The BCM is not a major stationary source and is not one of the listed source categories (Utah Administrative Code [UAC] R307-101-2[3] [UDAQ, 2009]). Therefore, fugitive emissions and emissions associated with exempt tailpipe emissions are not included in estimating the emissions increase.

Emissions of point sources after the proposed modification are summarized in Table 4-1.

TABLE 4-1
Post-project Point Source PTE Emissions

Emissions	Point Sources
PM ₁₀ (tpy)	6.28
SO ₂ (tpy)	0.0002
NO _x (tpy)	1.17
PM₁₀+NO_x+SO₂ (tpy)	7.44

NOTES:
Post-project emissions include a new in-pit crusher.
Emissions shown are for a peak year annual material movement of 260,000,000 tpy.

Utah Administrative Code R307-403-5(1)(b) states that enforceable offsets of 1.2:1 are required for new sources or modifications that would produce an emission increase greater than or equal to 50 tpy of any combination of PM₁₀, SO₂, and NO_x. Also, UAC R307-403-5(1)(c) states that enforceable offsets of 1.1:1 are required for new sources or modifications that would produce an emission increase greater than or equal to 25 tpy but less than 50 tpy of any combination of PM₁₀, SO₂, and NO_x. The combined total emissions of PM₁₀, SO₂, and NO_x from stationary point sources after the proposed modification, as indicated in Table 4-3, will be less than 25 tpy; therefore, this project will not require any offsets.

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