



NEUTRALIZATION POTENTIAL AND ACID-BASE ACCOUNT

Company Name: Prospect Mining
Mine Name: Carbon Hill
Sample I.D.: Rock Dump
Sample Date: 6/26/24

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Sampled By: TJ

Analyzed By: JWW

Date Analyzed: 7/3/24

[illegible]

Constant $C_1 = 0.9091 \quad 20.0 \quad 22.0$

Constant $C_2 =$

Constant $C_3 =$

Constant $C_4 =$

Constant (C) = (ml acid added in blank)/(ml base added in blank)

$$\text{ml acid consumed} = (\text{ml acid added}) - (\text{ml base added} \times C)$$
$$\text{Tons CaCO}_3 \text{ equiv./1000 tons of mat.} = \text{acid consumed} \times 25.0 \times (\text{N of acid}) \quad [\text{Acid is 0.1N H}]$$
$$\text{Acid-Base Account} = (\% \text{Sulfur} \times -31.25) + \text{Neutralization Potential}$$

