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ᑭᖑᓪᓕᕐᐸᖓ ᐅᓂᒃᑳᒃᓴᐃᑦ

ᒪᔨ 10, 2020

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ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓᓂ ᖃᐅᔨᓴᕐᓂᖅ 2019 ᓇᓂᓯᕕᒃ ᐅᔭᕋᒃᑕᕐᕕᒃ, ᓇᓂᓯᕕᒃ ᑲᓇᑕ

ᒪᔨ 10, 2020

ᓇᐃᓈᕐᓯᒪᔪᑦ ᐅᖃᐅᓯᒃᓴᐃᑦ

ᑕᓐᓇ ᐅᓂᒃᑲᓕᐊᖑᔪᖅ ᓇᐃᓈᕐᓯᒪᓪᓗᓂ ᐊᕋᒍᖓᓂ 2019 ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ ᖃᓄᐃᓕᖓᓂᖓ ᓇᓂᓯᕕᒃ ᐅᔭᕋᒃᑕᕐᕕᒃᒧᑦ ᓄᓇᖓᓂ ᐳᐊᑎᓐ ᐅᐊᖕᓇᖓᓂ ᕿᑭᑖᓗᖕᒥ ᓄᓇᕗᑦ, ᑲᓇᑕ. ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ ᑲᔪᓯᑎᑕᐅᓚᐅᕐᑐᖅ ᒪᓕᒃᓗᒍ ᓄᓇᕗᒥ ᐃᒥᕐᒧᑦ ᐱᔪᓐᓇᐅᑎᖓᓂ 1AR-NAN1419. ᐊᑐᑎᖃᕐᓂᖓ ᐊᒻᒪᓗ ᓈᒻᒪᖕᓂᖓ ᐅᔭᕋᒃᑕᕐᕕᒃ ᓴᓗᒻᒪᕐᑕᐅᓯᒪᓂᖓ ᓇᓗᓇᐃᕐᑕᐅᔪᓐᓇᕐᒪᑦ ᖃᐅᔨᓴᕐᑕᐅᕙᒃᓗᓂ ᐃᒪᖓ ᖃᐅᔨᓴᕐᕕᐅᔪᓂ. ᖃᐅᔨᓴᕐᑎᓪᓗᒋᑦ ᑰᒃᐸᓪᓕᐊᔪᒥ ᑯᕕᕐᕋᕐᕕᕕᓂᕐᒥ West Twin Disposal Area (ᖃᐅᔨᓴᕐᕕᒃ 159-4) ᖃᓄᑎᒌᕐᒪᖔᑕ ᐊᖏᕐᑕᐅᓯᒪᔪᓂᑦ ᐅᖃᕐᓯᒪᔪᓂᒃ ᐃᒥᖅ ᐱᔪᓐᓇᐅᑎᖓᓂ, ᐊᒻᒪᓗ ᐊᑐᓂ ᖃᐅᔨᓴᕐᕕᐅᔪᑦ ᑕᑯᔭᐅᒋᐊᖃᑦᑕᕐᑐᑦ ᖃᓄᐃᓕᕙᓪᓕᐊᑎᒋᖕᒪᖔᑕ ᒪᓕᒐᑎᒍᖏᒃᑲᓗᐊᕐᑎᓪᓗᒍ, ᖃᐅᔨᓴᕈᑏᑦ ᒪᓕᒃᓗᒋᑦ 95ᐳᓴᓐᑎᖓᓄᑦ (ᑭᖑᓂᑦᑎᓐᓂ ᖃᓄᐃᓕᖓᓚᐅᕐᓯᒪᓂᖓ ᒪᓕᒃᓗᒍ) ᐅᖃᕐᓯᒪᓂᖓ ᖃᓄᐃᓕᔪᖃᕐᓂᕈᓂ ᐸᕐᓇᐅᑎᑦ ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓᓄᑦ ᐅᖓᑖᓄᐊᕈᓂ, ᓇᓂᓯᕕᒃᒥ ᐅᔭᕋᒃᓂᐊᕐᕕᐅᓚᐅᕐᑐᖅ (Stantec 2015).

ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓ ᖃᐅᔨᓴᕐᓂᖅ ᐊᑐᕈᓐᓃᕐᑐᒥ ᓇᓂᓯᕕᒃ ᐅᔭᕋᒃᑕᕐᕕᖕᒥ 2019 ᐱᔭᕇᕐᑕᐅᓚᐅᕐᑐᖅ ᔪᓚᐃ, ᐋᒋᓯ ᐊᒻᒪᓗ ᓯᑎᐱᕆ. ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓ ᖃᐅᔨᓴᕐᓂᖅ ᒪᑐᓯᒪᓕᕐᑐᒧᑦ ᓇᓂᓯᕕᒃ ᐅᔭᕋᒃᑕᕐᕕᕕᓂᕐᒥ ᓇᓗᓇᐃᕐᓯᒪᔪᑦ ᓴᓗᒻᒪᕐᓴᕐᑕᐅᓯᒪᓂᖓ ᓱᕋᒃᐸᓪᓕᐊᖏᑦᑐᖅ ᑐᕋᒐᐅᔪᓪᓗ ᒪᓕᒃᑕᐅᔪᑦ, ᐊᒻᒪᓗ ᐃᒪᐅᓂᖏᑦ ᐃᓕᕐᑯᓯᕆᓚᐅᕐᑕᖓᓄᑦ ᐅᑎᕐᐸᓪᓕᐊᔪᑦ ᐅᔭᕋᒃᑕᓚᐅᖏᑎᓪᓗᒋᑦ.

ᖃᐅᓴᕐᑕᐅᓂᒃᑯᑦ ᖃᐅᔨᔭᐅᔪᑦ ᒪᓕᒃᓯᒪᓂᖏᓐᓂᒃ ᐅᖓᑖᓄᐊᕆᖃᖏᓐᓂᕐᒥᒃ ᐱᑕᖃᕐᑎᒋᔭᕆᐊᖃᕐᓂᖓ ᓱᕈᕐᓇᕐᑐᑦ ᖃᐅᓴᕐᕕᒃᒥ 159-4, ᑯᕕᕐᕋᕐᕕᕕᓂᕐᒥ ᑰᖕᓂᖓᓂᑦ West Twin Disposal Area. ᑕᐃᒪᓐᓇᑦᑕᐅᖅ, ᐅᖓᑖᓄᐊᕐᓯᒪᔪᖃᖏᑦᑐᖅ ᖃᐅᓴᕐᕕᐅᔪᓂ Stations159-6 ᐊᒻᒪᓗ 159-6 ᖃᓂᒋᔭᖓᓂ ᑕᓯᓕᐊᕆᔭᐅᓂᑰᑦ ᑰᖓᓂ Twin Lakes Creek.

ᑕᕆᐅᖑᔭᖅ Sulphate ᐱᑕᖃᕐᑎᒋᓂᖓ ᐊᖏᓂᕐᓴᐅᓚᐅᕐᑐᖅ ᖃᐅᔨᓴᕐᕕᖕᒥ ᑎᑎᕋᕐᑕᐅᓚᐅᕐᑐᖅ Station NML-23 (ᑕᓯᓕᐊᕆᓯᒪᔪᑦ ᖁᓛᓂ ᑰᖓᓂ ᖃᐅᔨᓴᕐᕕᐅᑦ Twin Lakes Creek Station 159-4) ᔪᓚᐃ ᐊᒻᒪᓗ ᓯᑎᐱᕆ, ᑭᓯᐊᓂ, ᑕᐃᒪᓐᓇᑎᒋᑦᑕᐅᖅ ᑎᑎᕋᕐᑕᐅᓚᐳᕐᒥᔪᑦ ᖃᐅᔨᓴᕐᕕᖕᒥ Station ELO (ᑰᒋᐊᖓᓂ ᑕᓯᓕᐊᕆᓯᒪᔪᑦ East Twin Lake) ᑖᒃᑯᓇᓂ ᐅᓪᓗᖏᓐᓂ. ᑖᓐᓇ ᐅᖃᕐᓯᒪᔪᖅ ᑕᕆᐅᖑᔭᖅ sulphate ᐱᒋᐊᕐᕕᓂᐅᓂᖓᓂᒃ ᐃᒪᖃᕐᓂᖓᓂᑦ ᑕᓯᓕᐊᕆᓯᒪᔪᒥᑦ East Twin Lake ᐊᒻᒪᓗ ᐊᒃᑐᐊᖏᑦᑐᖅ ᓇᓂᓯᕕᒃ ᐅᔭᕋᒃᑕᕐᕕᐅᑎᓪᓗᒍ. ᐱᔾᔪᑎᖃᑐᐃᓐᓇᕆᐊᓕᒃᓕ ᐅᖁᑎᓪᓗᒍ ᐊᐅᔭᒃᑯᑦ 2019 ᐊᐅᖕᓂᕐᓴᐅᓚᐅᕐᒪᑦ ᓄᓇᐅᑦ ᖁᐊᖑᓂᖓ, ᓴᕿᔾᔪᑕᐅᓂᕐᓴᐅᓪᓗᓂᓗ ᓄᓇᒥᖕᒑᕐᑐᖅ ᖁᐊᖑᓂᖓᓃᒃᑲᔭᕐᑑᒐᓗᐊᑦ.

ᖃᐅᔨᓴᕐᕕᒃ 159-14 ᑰᖓᓂ Chris Creek ᐃᒪᐅᓂᖓᓂ ᖃᐅᔨᓚᐅᕐᑐᑦ ᐅᖓᑖᓃᓐᓂᖓᓂᒃ ᖃᐅᔨᓴᕐᕕᖕᒥ ᖃᑎᓪᓗᒋᑦ ᑎᓯᔪᑦ ᔪᓚᐃ 2019 (ᐱᔭᐅᒃᑲᓐᓂᖏᑦᑐᖅ ᐋᒋᓯ ᐊᒻᒪᓗ ᓯᑎᐱᕆ ᖃᐅᔨᓴᕐᑎᓪᓗᒋᑦ) ᐱᔪᑎᖃᕐᑐᒃᓴᐅᔪᖅ ᓄᖑᐸᓪᓕᐊᔪᒥᑦ ᑲᑕᒐᕐᐸᓪᓕᐊᔪᒥᑦ ᐅᐱᕐᖓᖓᓂ, ᐅᖓᑖᓄᐊᕐᓯᒪᓂᖓ ᖃᐅᔨᓴᕐᕕᖕᒥ ᑲᑎᓪᓗᒋᑦ ᓴᕕᒃᓴᖃᕐᓂᖓ zinc ᑲᑎᓪᓗᒋᓪᓗ ᑐᕆᐅᖑᔭᐃᑦ sulphate ᓯᑎᐱᕆ, 2019, ᑕᐃᒪᐃᓚᐅᕐᑐᖅ ᐊᑕᐅᓯᐊᕐᓱᓂ, ᐊᒻᒪᓗ ᑕᐃᒪᓐᓇᑦᑕᐅᖅ ᑕᑯᔭᐅᓚᐅᕐᑐᑦ ᑕᓯᓕᐊᕆᓯᒪᒧᒥ East Twin Lake, ᐊᐅᒃᐸᓪᓕᐊᔪᒥᖔᕐᓂᖓᓂᒃ ᖃᓂᒋᔭᖓᓂ ᓄᓇᐅᑦ ᖁᐊᖑᓂᖓ ᐊᐅᒃᐸᓪᓕᐊᑎᓪᓗᒍ.

ᖃᐅᔨᓴᕐᑕᐅᔪᑦ ᐊᒃᑕᕐᕕᕕᓂᖓᓂ (ᖃᐅᔨᓴᕐᕕᒃ NML-29 ᐊᒻᒪᓗ NML-30) ᑕᑯᔭᐅᓚᐅᕐᑐᖅ ᑰᑐᖃᕐᓂᖓᓂᒃ ᑕᕝᕙᓂ NML-30 ᐊᑐᓂ ᑕᕿᓂ, ᑭᓯᐊᓂ ᑰᖕᓂᖓ ᑕᑯᔭᐅᓚᕐᑐᖅ ᑕᕝᕙᓂᑐᐊᖅ NML-29 ᔪᓚᐃ ᐊᒻᒪᓗ ᓯᑎᐱᕆ, 2019. ᐊᑕᐅᓯᐊᕐᓱᓂ ᐅᖓᑖᓄᐊᕐᓯᒪᓚᐅᕐᑐᖅ ᓴᕕᔭᒃᓴᒥᒃ zinc (0.09 mg/L ᑕᑯᓪᓗᒍ ᑭᒃᓕᖓ 0.03 mg/L) ᑕᑯᔭᐅᓚᐅᕐᑐᖅ ᖃᐅᔨᓴᕐᕕᖕᒥ NML-30 ᑕᕝᕙᓂ ᐊᑭᓐᓇᖓᓂ ᐊᒃᑕᕐᕕᕕᓂᐅᑉ ᔪᓚᐃ, 2019. ᐱᑕᖃᕐᑎᒋᓂᖓ ᓴᕕᕋᔭᒃᓴᒥᒃ zinc ᖃᐅᔨᓴᕐᕕᖕᒥ ᐃᒪᓐᓇᑎᒋ <0.01 mg/L ᑕᒪᕐᒥᒃ ᐋᒋᓯ ᐊᒻᒪᓗ ᓯᑎᐱᕆ. ᖃᓄᐃᓕᐅᕐᑕᐅᒃᑲᓐᓂᓇᐊᖃᖏᑦᑐᖅ ᐱᔾᔪᑎᒋᓪᓗᒍ ᓴᕕᕋᔭᒃᓴᖃᕐᓂᖓ ᐅᖓᑖᓃᑦᑐᖅ ᖃᐅᔨᓴᕐᕕᖕᒥ NML-30. ᐊᑕᐅᓯᐅᖏᑦᑐᑦ ᐅᖓᑖᓄᐊᕐᓯᒪᔪᑦ ᖃᐅᔨᓴᕐᕕᖕᓂ ᖃᐅᔨᔭᐅᓚᐅᕐᑐᑦ ᖃᐅᔨᓴᕐᕕᖕᒥ NML-29, ᑲᓇᖕᓇᖓᓂ ᐊᒃᑕᕐᕕᕕᓂᑉ. ᑖᒃᑯᐊ ᐱᖃᓯᐅᑎᓪᓗᒋ5 ᓴᕕᕋᔭᒃᓴᖃᕐᓂᖓ ᔪᓚᐃ ᐊᒻᒪᓗ ᐋᒋᓯ, ᑲᑎᓪᓗᒋᑦ ᑕᕆᐅᖑᔭᖅ ᐋᒋᓯ ᐊᒻᒪᓗ ᓯᑎᐱᕆ, ᐊᒻᒪᓗ ᑎᓯᔪᑦ ᐋᒋᓯ 2019. ᑰᒃᑐᖃᓚᐅᕐᑐᑦ ᖃᐅᔨᓴᕐᕕᖕᒥ NML-29 ᐋᒋᓯ 2019, ᐊᒻᒪᓗ ᐃᒥᕐᒥᒃ ᖃᐅᔨᓴᒃᓴᒥᒃ ᐱᓚᐅᕐᑐᑦ ᐃᒪᐅᓂᖓᓂᑦ. ᓄᓇᖓᓂᖔᕐᑐᖅ ᒪᓂᕋᕐᒥᑦ ᐱᔾᔪᑎᖃᓗᐊᕐᑐᖅ ᖃᖏᓗᐊᕈᑎᓯᒪᓂᖓ ᑎᓯᔪᓂᒃ ᐊᒻᒪᓗ ᓴᕕᕋᔭᒃᓴᖅ ᐋᒋᓯ, ᑭᓯᐊᓂ ᑐᑭᓯᔭᐅᖏᑦᑐᖅ ᖃᓄᐃᒻᒪᑦ ᖃᖏᓗᐊᕈᑎᓯᒪᓚᐅᕐᒪᖔᑦ ᓴᕕᕋᔭᒃᓴᖅ ᔪᓚᐃ, ᐅᕙᓘᓐᓃᑦ ᑕᕆᐅᖑᔭᖅ ᐱᑕᖃᕐᓂᖓ ᐋᒋᓯ (467 mg/L) ᐊᒻᒪᓗ ᓯᑎᐱᕆ (347 mg/L).

ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓᓂ ᖃᐅᔨᓴᕐᓂᖅ 2019 ᓇᓂᓯᕕᒃ ᐅᔭᕋᒃᑕᕐᕕᒃ, ᓇᓂᓯᕕᒃ ᑲᓇᑕ

ᒪᔨ 10, 2020

ᑎᑎᕋᕐᓯᒪᓂᖓ ᒪᓕᒃᓗᒍ *ᖃᓄᐃᓕᔪᖃᕐᓂᕈᓂ ᐸᕐᓇᐅᑎ ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓᓄᑦ ᐅᖓᑖᓄᐊᓂᕐᒧᑦ* (Stantec, 2015), ᒪᓕᒐᑎᒍᖏᑦᑐᖅ ᐊᐅᓚᔭᒋᐊᖃᕐᓂᖓ ᐅᖓᑖᓄᐊᕈᓂ ᖃᐅᔨᓴᕐᕕᐅᔪᒥ ᑕᕝᕙᓂᑦᑕᐃᓐᓇᖅ ᖃᐅᔨᓴᕐᕕᖕᒥ ᒪᕈᕐᓯᕐᓗᓂ ᑐᖏᓕᓈᓄᑦ, ᖃᐅᔨᓴᕐᑕᐅᓕᕋᔭᕐᑐᖅ ᐱᔾᔪᑎᖓᓂᒃ ᐅᖓᑖᓄᐊᕐᓂᖓᓄᑦ. ᐊᐅᔭᖓᓂ 2019 ᐅᕐᑯᓂᕐᓴᐅᓚᐅᕐᒪᑦ ᓇᓂᓯᕕᖕᒥ, ᐊᒻᒪᓗ ᐃᒪᓐᓇᐅᑐᐃᓐᓇᕆᐊᖃᕐᑐᖅ ᐊᐅᒃᐸᓪᓕᐊᓂᖓᓄᑦ ᓄᓇᒧᑦ ᖁᐊᖑᓂᖓᓂᖕᒫᕐᑐᖅ ᐃᒪᕐᒧᐊᑐᐃᓐᓇᕆᐊᖃᕐᒪᑦ ᓴᕕᕋᔭᒃᓴᖃᕐᑐᖅ ᑕᕆᐅᖑᔭᕐᒥᒃᓗ ᐊᒃᑕᕐᕕᒃᒥᑦ, ᐅᕙᓘᓐᓃᑦ ᒪᓂᕋᖓᓂᑦ ᖁᓕᑦᑎᐊᖓᓂᑦ ᖃᐅᔨᓴᕐᕕᐅᑦ NML-29. ᑭᓯᐊᓂ, ᐊᒃᑕᕐᕕᕕᓂᖅ ᖃᐅᔨᓴᕐᑕᐅᓚᐅᕐᑐᖅ 2019, ᐊᒻᒪᓗ ᐊᔾᔨᐅᖏᑦᑐᕐᑕᖃᓚᐅᖏᑦᑐᖅ ᐅᔭᕋᓕᕆᓂᒃᑯᑦ. ᐅᖃᓪᓚᒃᕕᐅᓪᓗᓂ ᓯᑲᑦ ᒐᐃᕆᓴᓐ ᖃᐅᔨᓴᕐᑎᒃᑯᓐᓂᑦ BGC Engineering ᐅᖃᓚᐅᕐᑐᖅ (1) ᖃᐅᔨᓴᐅᑎᒃᑯᑦ ᖁᐊᖑᓂᖓᓂᒃ ᑕᑯᔭᐅᓚᐅᕐᓂᖓᓂᒃ ᐊᒃᑕᕐᕕᒃ ᐃᓗᓕᖓ ᖁᐊᖑᐃᓐᓴᓚᐅᕐᓂᖓᓂᒃ ᓴᐅᓯᒪᔪᖅ ᐊᕋᒍᖓᓂ 2019 ᐊᒻᒪᓗ ᖄᖓ ᑕᐃᒪᐃᓕᖓᐃᓐᓇᕐᓂᖓᓂᒃ ᐊᕋᒍᒐᓴᒃᓄᑦ ᐅᖁᓂᕐᓴᐅᓕᕋᓗᐊᕐᑎᓪᓗᒍ; ᐊᒻᒪᓗ (2) ᐃᒪᐅᓂᖃᓚᐅᖏᑦᑐᖅ ᐊᓂᐊᕙᓪᓕᐊᔪᒥᒃ ᐊᒃᑕᕐᕕᖕᒥᑦ ᖃᐅᔨᓴᕐᑕᐅᑎᓪᓗᒍ. ᑕᐃᒪᐃᓐᓂᖓᓄᑦ, ᐊᑐᖁᔨᔪᑦ ᖃᐅᔨᓴᕐᑕᐅᓕᕈᓂ ᐋᒋᓯ 2020, ᑎᒍᒥᐊᒐᕐᒧᑦ ᖃᐅᔨᓴᕈᑎᒧᑦ ᐊᑐᕐᑕᐅᓗᓂ ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓ ᑰᒃᐸᓪᓕᐊᔪᖅ ᐃᒪᐅᓂᖓᓗᓐᓃᑦ ᖃᓂᒋᔭᖓᓂ ᖃᐅᓴᕐᕕᐅᑦ NML-29, ᑐᑭᓯᓇᓱᒃᓗᒍ ᐃᒥᐅᑦ ᐱᐅᑎᒋᓂᖓ ᐅᖓᑖᓄᐊᕐᓯᒪᓂᖓ ᑕᑯᔭᐅᔪᖅ ᖃᐅᔨᓴᕐᕕᖕᒥ NML-29 ᐊᕋᒍᖓᓂ 2019 ᐊᒃᑕᕐᕕᖕᒥᖕᒐᕐᒪᖕᒐᕐ, ᐅᕙᓘᓐᓃᑦ ᓄᓇᒥᑦ ᐅᕙᓘᓐᓃᑦ ᓴᓇᐅᒐᕐᓂᑦ..