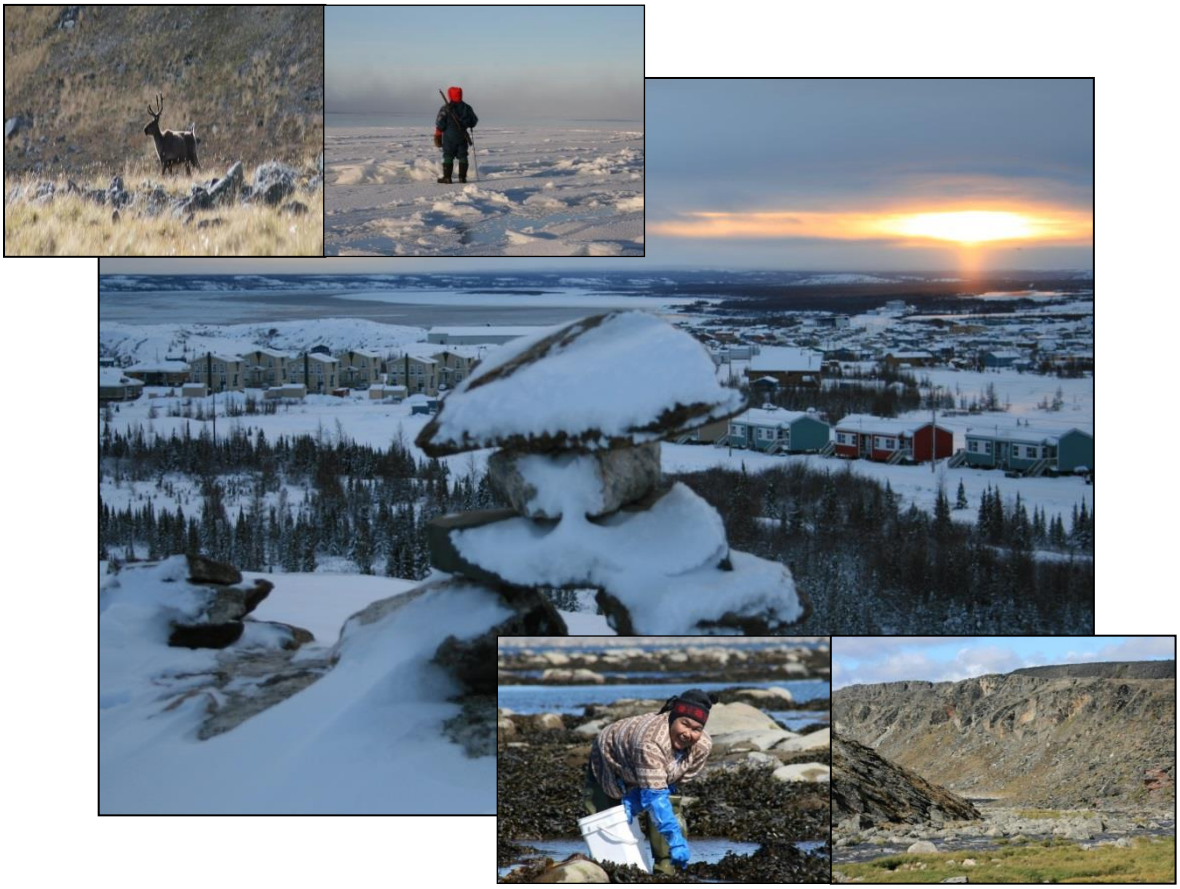
ᓄᓇᕗᒻᒥ ᐅᔭᕋᓐᓂᐊᓂᐅᖃᑦᑕᓛᕐᑐᑦ:
ᓇᐅᓕᒫᑦ ᖃᓄᐃᙵᒋᓯᐊᓇᐊᖃᕐᓂᖓᓂᒃ ᓱᕐᖽᓯᒪᒍᑎᐅᓚᖓᔪᑦ
ᑕᕐᕿᒥ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᓐᓂᐊᑐᖃᓚᖓᑉᐸᑦ



ᓅᑦᓕᑎᕐᓯᒪᔪᑦ
ᓄᓇᕗᒻᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕗᒻᒥᑦ ᒪᓂᔭᐅᓯᒪᔪᑦ

ᐅᑯᓄᖓ *BUREAU D'AUDIENCES PUBLIQUES SUR L'ENVIRONNEMENT*
(ᐊᑦᑎᒧᓕᖓᔪᓂᒃ ᐃᓄᓕᒫᓂᒃ ᑲᑎᒪᑎᑦᓯᕗᒻᒥᑦ)
ᐅᑯᓄᖓᓗ ᑲᑎᕗᒃ ᐊᑦᑎᒧᓕᖓᔪᓂᒃ ᐃᒫᖕᒥᓚᐅᓂᕐᒧᑦ ᑲᑎᒪᐅᓄᑦ (KEAC)

ᑎᓯᒪᐱᓇ 8, 2014
ᓄᑕᐅᓯᓕᕐᑕᐅᓯᒪᔪᑦ: ᔭᓄᐊᓇ 19, 2015-ᒥ

ᓄᓇᕗᒻᒥ ᐅᔭᕋᕐᓂᐊᓂᐅᖅᑲᑦᑕᓛᕐᑐᑦ: ᓇᐅᓕᒫᑦ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᖕᒐᓂᒃ ᓱᕐᖽᓯᒪᒍᑎᐅᓚᖕᒐᔪᑦ ᑕᕐᕋᒥ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᑐᖃᓚᖕᒐᑉᐸᑦ

ᓄᑦᓕᑎᕐᓯᒪᔭᕗᑦ ᒪᓂᑦᓱᒋᑦ ᐊᑦᑎᒎᓕᖕᒐᔪᓂᒃ ᐃᓄᓕᒫᓂᒃ ᑲᑎᒪᑎᑦᓯᕕᒻᒧᑦ ᑯᐯᒻᒥ ᐅᔭᕋᕐᓂᐊᓂᐅᑉ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᓱᕐᖽᓂᓇᒍᓐᓇᑕᖕᒐᓈᓕᖕᒐᔪᑦ ᒪᓂᑦᓱᒋᓪᓗ ᑲᑎᕕᒃ ᐊᑦᑎᓕᓇᓂᕐᒧᑦ ᐃᒫᖕᒥᓚᕆᐅᓂᕐᒧᑦ ᑲᑎᒪᔨᓄᑦ

ᓄᑦᓕᑎᕐᑕᐅᓯᒪᔪᑦ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕗᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᑎᓯᒪᐱᓇ 8, 2014 (ᓄᑕᐅᓯᓕᕐᑕᐅᓯᒪᔪᑦ: ᔭᓄᐊᓇ 19, 2015)
ᑯᐯᒃ ᓯᑎ

ᐊᓪᓚᑐᑦ:

ᓯᓕᕕ ᓇᒃ M.Sc.
ᐊᑦᑎᐅᑉ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᖕᒐᓂᒃ ᐱᓇᓱᑦᑎ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕗᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᐊᑕᐅᑦᓯᑰᕐᑎᓯᔨ:

ᓯᐊᔾ ᑎᐊᓇ M.D., M.Sc., MPH, FRCPC
ᑐᑭᒧᐊᖅᑎᓯᔨ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕗᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᐱᓇᓱᖃᑎᒋᑦᓱᒋᑦ:

ᓗᒃ ᐱᓇ M.D.
ᐋᓐᓂᐊᓯᐅᕐᓂᓕᓇᔨ ᓄᓇᕗᒻᒥ ᐱᓇᓱᑦᑏᑦ ᐅᔭᕋᕐᓂᐊᕖᓪᓗ ᐊᐅᓚᑕᐅᓂᖕᒐᒍᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕗᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᐊᒥᓕ ᐳᓵᓪᑐᕝᕗ, Dt.P., M.Sc.
ᓂᓇᑦᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᑐᓴᐅᒪᑎᑦᓯᔨ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕗᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᒫᓇᐅ ᐱᓇᓲ M.D., M.Sc.
ᐋᓐᓂᐊᓯᐅᕐᑎᓂᒃ ᐃᒫᖕᒥᓚᔨ ᐁᑦᑐᕝᑕᐅᓲᑦ ᐋᓐᓂᐊᑦ ᐱᓪᓗᒋᑦ ᐊᑦᑎᐅᓪᓗ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᖕᒐᓄᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕗᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᓖᐊ ᓚᕝᓛᒻ, Dt.P., M.Sc.
ᓂᓇᑦᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᑐᓴᐅᒪᑎᑦᓯᔨ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕗᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᑖᐱᐊ ᐱᕐᓂᐊᑦ, Ph.D.
ᓄᓇᓕᓖᓂ ᐊᑕᐅᑦᓯᑰᕐᑎᓯᕆ ᐃᓄᑐᕐᕿᑦ ᐊᑐᕐᓂᓗᑦᑕᐅᑎᓕᒋᐊᕐᑲᕐᓂᖏᓐᓄᑦ, ᐃᓄᐃᑦ ᐃᓪᓕᓇᔭᖏᓐᓂᒃ ᐱᓇᓱᐊᓲᖏᓐᓂᓗ ᐊᓪᓚᕕᒻᒥ, ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᐊᓪᓚᖑᐊᕐᓯᒪᔪᖅ:
ᑳᐳᓇᐊᓪ ᕖᓐᓂ, ᐊᐅᓚᑦᓯᓂᓕᓇᕕᒻᒥ ᐱᓇᓱᑦᑎ, ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ

ᓯᕗᕋᓐᑦᑐᓂᒃ ᐊᑦᑐᓕᐅᕐᑐᕕᓂᖅ: ᓯᓕᕕ ᓇᑳ

ᓄᑦᓕᑎᕐᓯᒪᔪᑦ ᐃᓱᒫᓗᑎᒋᔭᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᑦᓗ

ᑕᒃᑯᐊᑕᒐ ᐱᓯᒪᔭᕗᑦ ᐊᑦᓚᕐᑯᑎᓂᑦ ᐱᑦᔪᑎᓕᓐᓂᑦ ᐃᓱᒫᓗᑎᐅᔪᓂᒃ ᐃᒣᓕᖓᔪᑦᓴᐅᕐᑰᕐᒪᑖᓚᒍᑎᐅᓯᒪᔪᓂᑦᓗ ᓄᓇᕕᒻᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥᐅᑦ. ᐅᔭᕋᕐᓂᐊᓂᕐᒨᓕᖓᔪᑦ ᐃᓘᓐᓈᒍᑦ, ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᕐᓴᓯᐅᕐᓂᒨᓕᖓᔪᑦ ᐅᔭᕋᕐᓂᐊᓂᕐᒨᓕᖓᔪᐃᓐᓘᓃᑦ ᐅᕐᑲᐅᓯᐅᒻᒥᑎᓐᓗᒋᑦ.

ᒪᑭᑕᒐᓱᐊᕐᓂᑯᑦ ᓱᕐᕋᑕᐅᒍᑏᑦ

1. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥ ᐃᓱᒪᒋᔭᕐᑲᕐᐳᑦ ᐱᓇᓱᒐᑦᓴᕐᑲᑦᓯᐊᓂᕐᓴᐅᓕᕐᐸᑦ ᐱᓇᓱᐟᕕᕐᑭᓐᓇᓂᕐᒧᓗ ᐱᕕᑦᓴᕐᑲᕐᓂᓴᐅᓕᕐᐸᑦ ᑮᓇᐅᔭᓄᑦᓗ ᐅᑎᕐᕕᐅᕐᑲᑦᑕᓕᕐᐸᑕ ᓄᓇᓕᒻᒦᑐᑦ ᐃᑲᔪᕐᓯᔭᐅᒻᒪᓇᒐᔭᕐᓂᖏᓐᓂᒃ ᑮᓇᐅᑦᔭᓴᕐᓂᑯᑦ ᓄᓇᕕᒻᒥᐅᑦ ᐱᓇᓱᒐᑦᓴᓘᓱᒍᒐᒻᒪᑕ ᑮᓇᐅᑦᔭᓴᓗᐊᓱᒍᒐᑎᑦᓗ.

2. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥ ᑲᔪᓯᑎᑕᐅᕐᑯᓯᒐᔭᕐᑐᑦ ᕐᑲᐅᓯᒪᑎᑦᓯᒍᑎᑦᓴᓂᒃ ᐃᓄᐃᑦ ᐱᒋᐅᕐᓴᑎᑕᐅᒍᑎᑦᓴᖏᓐᓂᒃ, ᐱᓇᓱᒐᑦᓴᓇᒍᓐᓇᑕᖏᓐᓂᒃ, ᐱᓇᓱᐟᕕᕐᑯᑎᒋᒍᓐᓇᑕᖏᓐᓂᓗ ᒪᑯᑎᒍᓇ: ᐱᒋᐅᕐᓴᑎᑦᓯᒍᑎᑦᓴᑦ ᐱᓇᓱᑦᑕᐅᓂᖓᒍᑦ, ᐱᓇᓱᑦᑏᑦ ᐃᑲᔪᕐᓯᒪᔭᐅᒍᑎᖏᑎᒍᑦ, ᐱᓇᓱᑦᑕᐅᓂᖓᒍᑦ ᐃᓕᕐᑯᓯᕐᑲᑎᒦᒍᓐᓄᓂ ᐃᓅᕐᑲᑎᒦᒍᓐᓇᓂᐅᑉ, ᓄᓇᕕᒻᒥ ᓄᓇᓕᓐᓂ ᑐᓴᐅᒪᒐᑦᓴᑦ ᓯᐊᒻᒪᑎᑕᐅᓂᖓᒍᑦ ᐱᓇᓱᒐᑦᓴᐅᒍᓐᓇᑐᑦ ᐱᓐᓗᒋᑦ, ᐊᓯᖏᓐᓗ.

3. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥ ᐅᑉᐱᓇᔭᕐᑲᕐᐳᑦ ᐃᑉᐱᒋᔭᐅᑦᓯᐊᓇᐊᕐᑲᕐᓂᖓᓂᒃ ᑮᓇᐅᔭᑦ ᐁᑦᑐᑑᑕᐅᓂᓇᓱᖏᑦᑕ (ᐊᑕᐅᓯᐅᑦᑎᑐᓄᑦ ᐊᒥᓱᓈᕐᑎᑐᓄᑦᓘᓃᑦ) ᐱᑦᓯᐊᖏᑦᑐᑯᑦ ᓱᕐᕋᑕᐅᖕᖏᓂᕐᓴᐅᕐᑯᑦᓱᒋᑦ ᐅᔭᕋᕐᓂᐊᓂᐅᑉ ᐱᕝᓕᐊᔭᐅᓂᖓᓄᑦ ᐱᑦᓯᐊᑐᒃᑯᑦ ᐱᕝᓕᕐᑯᑎᕐᑲᕐᓂᓴᐅᕐᑯᑦᓱᒋᑦ.

ᓱᕐᖑᓂᓇᒍᓐᓇᑕᖓ ᓄᓇᕕᒻᒥᐅᑦ ᕐᑲᓄᐃᖕᖏᓯᐊᓇᐊᕐᑲᕐᓂᖏᓐᓂᒃ

4. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥ ᓴᐳᑦᔨᕗᑦ ᕐᑲᐅᔨᓴᓇᐊᑦᓚᓂᐅᒋᐊᓕᒻᒥᒃ ᐊᑦᓚᑕᐅᑦᓯᐊᕐᑲᑦᑕᕐᑯᑦᓱᒋᑦ ᕐᑲᓄᐃᖕᖏᓯᐊᓇᐊᕐᑲᕐᓂᑯᑦ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᑐᕐᑲᕐᓂᐊᐸᑦ ᐅᔭᕋᕐᓂᐊᑐᕐᑲᕐᓂᐊᐸᑦᓗ. ᑭᓯᐊᓂ ᑕᒪᒃᑯᐊ ᕐᑲᐅᔨᓴᕐᓃᑦ ᓄᓇᕕᒻᒥ ᐊᑑᑎᓴᓯᐊᓇᐊᒥᒃ ᐃᓱᐃᑦᑐᒪᓇᐅᓴᔭᕐᑐᑦ. ᐃᓄᒋᐊᑦᑑᖏᓐᓇᒥ, ᐃᓱᐃᑦᑑᓴᔭᕐᒪᑦ, ᕐᑲᐅᔨᓴᕐᕕᐅᒍᓐᓇᕋᔭᖕᖏᒪᑦ, ᐊᑦᓚᕐᑯᑎᓕᐅᕐᕕᐅᓴᓯᐊᕐᓗᓂ ᑭᑎᑕᐅᓯᒪᐅᑎᖏᓐᓂᒃ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᑦ ᐅᓄᕐᓯᒋᐊᕐᓯᒪᓕᕐᒪᖔᑕ.

5. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥ ᐃᓱᒪᒋᔭᐅᒋᐊᕐᑲᕐᑐᓇᑦᓯᕗᑦ ᑲᒃᑲᓛᑦ ᐱᐊᓄᑦ ᓱᕐᕋᑕᐅᓂᐅᔭᕋᔭᕐᓂᖓᓂᒃ ᓄᖑᔪᐃᑦᑐᒧᑦ ᕐᑲᐅᔨᓴᕐᑐᕐᑲᓕᕐᐸᑦ ᕐᑲᓄᐃᖕᖏᓯᐊᓇᐊᕐᑲᕐᓂᑯᑦ ᓱᕐᕋᑕᐅᒍᑎᒋᒍᓐᓇᑕᖏᓐᓂᒃ ᓄᓇᕕᒻᒥᐅᑦ, ᐱᓗᐊᕐᑐᖅ ᐅᓄᕐᑑᒪᑕ ᐅᕕᒃᑭᑦ ᓄᓇᕕᒻᒥᐅᑦ ᐅᓄᕐᓯᕙᓕᐊᓱᑎᓐᓗ ᓱᑲᑦᑐᒥᒃ.

6. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥ ᕐᑲᐅᔨᒪᔭᐅᑦᓯᐊᕐᑯᔨᕗᑦ ᓇᓗᓄᕐᑕᐅᓯᒪᑦᓯᐊᓇᐊᕐᑲᕐᓂᖏᓐᓂᒃ ᐊᕙᑎᒥᑦ ᐱᔪᑦ ᓱᕐᕙᐅᒐᔭᕐᑐᑦ ᐊᒻᒪᓗ ᓄᓇᕕᒻᒥᐅᑦ ᕐᑲᓄᐃᒻᒪᖔᑕ ᕐᑲᐅᔨᔭᐅᒐᓱᐊᑦᓯᐊᓗᑎᒃ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᑲᓚᐅᕐᑎᓇᒍ. 2016-ᒥ ᓄᓇᕕᒻᒥᐅᑦ ᕐᑲᓄᐃᒻᒪᖔᑕ ᕐᑲᐅᔨᓴᕐᓂᐅᓯᒪᔪᖅ ᕐᑲᐅᔨᒪᕕᑦᓴᐅᒐᔭᕐᕐᑯᖅ ᓄᓇᕕᒻᒥᐅᑦ ᕐᑲᓄᐃᒻᒪᖔᑕ ᓯᕗᓂᕐᒥ ᐱᓇᓱᑦᑕᐅᔪᑦᓴᓄᑦ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᕐᑲᐅᔨᒪᒐᓱᐊᕐᑐᕐᑲᓚᖓᐸᑦ.

7. ᓄᓇᕕᒻᒥ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᑲᓚᖓᐸᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᑦᓚᕕᒻᒥᐅᑦ ᒥᑦᓴᐅᓵᕐᑕᐅᓯᒪᒋᐊᕐᑲᕐᑐᓇᑦᓯᕗᑦ ᕐᑲᓄᑦᓗᐊᑎᒋᒃ ᐊᑦᑐᐃᓂᕐᑲᕈᓐᓇᒪᖔᑦ ᐅᑦᑐᕋᐅᑎᕐᑲᕐᓗᑎᐊᑦᓛᑦ

ᐃᓄᐃᑦ ᓂᕆᒍᓯᖏᓐᓂᒃ, ᑕᒪ ᖃᐅᔨᓴᕐᑕᐅᓂᖃᑦᓯᐊᓂᐊᓕᕐᒪᑕ ᖃᓄᐃᑦᒪᖔᑕ ᓄᓇᕕᒻᒥᐅᑦ ᐊᒻᒪᓗ ᐊᑭᑎᐅᑉ ᓱᒃᑯᑕᐅᑦᑐᓕᒋᐊᖃᕐᓂᖓᑕ ᐃᑉᐱᒋᔭᐅᒍᑎᑦᓴᖏᓐᓂᒃ ᐱᓇᓱᐊᕐᑕᐅᔪᖃᕐᓂᐊᓕᕐᒪᑦ.

8. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓘᑎᖃᕐᐳᑦ ᓱᕐᕋᑕᐅᓂᐅᒐᔭᕐᑐᓂᒃ ᑭᓈᓂᕐᓗᓄᑦ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᑦ ᐊᑭᑎᑦᑎᓅᕐᖃᑐᓄᑦ ᐊᓯᖏᓐᓄᓗ ᓱᒃᑯᑕᐅᓐᓇᑐᓄᑦ ᓄᓇᕕᒻᒥᐅᓄᑦ, ᓯᓚᕐᔪᐊᒥᐅᒍᖃᑎᑦᑎᓂᒃ ᐱᔪᓂᑦ (ᐅᑦᑑᑎᒋᑦᓱᒋᑦ ᒧᑯᔨ, ᐲᓱᐲᑦ, ᐊᓯᖏᓪᓗ), ᒪᕿᓯᐅᑎᓂᓪᓘᓃᑦ (ᐅᑦᑑᑎᒋᑦᓱᒍ, ᓴᒃᑰᑉ ᐅᕐᑯᒥᓗᑕᑦᓴᔭᖓ) ᐅᑉᑭᓘᓐᓃᑦ ᐱᐅᓯᕝᕆᓇᓯᒪᔭᑦᑎᓂᒃ ᐃᓄᓯᒃᑯᑦ (ᓱᒃᑲᔨᐊᒥᑦ ᐱᔪᒥᑦ cadmium).

9. ᓂᕿᑐᐃᓐᓇᐅᑉ ᐱᒻᒪᕆᐅᓂᖓᓄᑦ ᐃᓄᐃᑦ ᖃᓄᐃᖕᖏᓯᐊᕆᐊᖃᕐᓂᖓᓄᑦ, ᒪᑭᑦᓯᐊᕆᐊᖃᕐᓂᖏᓐᓄᑦ ᐃᓕᕐᑯᓯᒃᑯᓗ ᐃᓕᑦᓇᐅᑎᒋᑦᓱᒍ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᐃᓱᒫᓘᑎᖃᕐᐳᑦ ᓱᒃᑯᓇᕐᑐᑖᕐᑎᓯᓂᐊᖑᕆᔭᐅᓂᖏᑦᑕ ᓱᒃᑯᓇᕐᑐᖃᓪᓚᕆᑦᑎᓯᓂᖏᑦᑕᓘᓐᓃᑦ ᐊᑭᑎᒥᒃ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᐅᒐᔭᕐᑑᑉ ᓄᓇᕕᒻᒥ ᐃᓄᐃᑦ ᓂᕿᖏᓐᓂᒃ ᐃᓕᒪᓱᒍᑕᐅᓂᐊᖑᖑᕆᔭᐅᓯᒪᔭᑦ. ᓂᕿᑐᐃᓐᓇᓂᒃ ᓂᕿᖃᑦᓯᐊᕈᓐᓄᑉᐸᑦ ᓄᓇᕕᒻᒥᐅᑦ ᓂᕆᔭᑦᓴᖃᑦᓯᐊᕈᓐᓄᕋᔭᒪᑕ, ᓱᕐᕋᑕᐅᓯᒪᓕᓈᕐᑎᓗᒋᓪᓗ ᐊᒥᓱᓄᑦ ᐃᓄᓯᕐᒨᓕᖓᔪᓄᑦ ᒪᕿᑕᒐᓱᐊᕐᓂᓄᓕᖓᔪᓄᓪᓗ ᐊᒻᒪᓗ ᐊᑭᑎᒨᓕᖓᔪᓄᑦ.

10. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᒥᑦᓴᐅᓵᕐᓯᒪᔭᑦ ᐅᔭᕋᕐᓂᐊᓂᖃᕐᓂᐊᐸᑦ ᓱᕐᕋᑕᐅᑐᐃᓐᓇᕆᐊᖃᕆᐊᖏᓐᓂᒃ ᐃᓄᐃᑦ ᐃᓄᒐᓱᐊᕐᓂᓄᑦ, ᐱᓗᐊᕐᑐᖅ ᒪᕿᓱᒍᓂᒃᓄᑦ, ᐃᖃᓪᓕᐊᓱᒍᓂᒃᓄᑦ, ᓄᓂᕝᓱᒍᓂᒃᓄᓗ.

11. ᐃᓄᐃᑦ ᓄᓇᒥᓄᑦ ᐱᑐᑦᓯᒪᓪᓚᕆᓐᓂᖏᑦ ᑕᓄᑦᓯᒋᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᒥᑦᓴᐅᓵᕐᓯᒪᔭᑦ ᐅᔭᕋᕐᓂᐊᓂᓕᕆᔨᑦ ᓄᐃᑦᓯᓯᒪᒋᐊᖃᕋᔭᕐᓂᖏᓐᓂᒃ ᐃᓄᓐᓂᒃ ᑲᒪᑦᓯᐊᕆᐊᖃᕐᓂᒥᓂᒃ ᑐᓂᒪᐅᑎᖃᕆᐊᖃᕐᓂᖏᓐᓂᓗ ᐃᓄᓪᓚᑎᑦᓯᒋᐊᖃᕐᓂᒥᒃ ᓱᕐᖽᓂᕆᒍᓐᓇᑕᖏᓐᓂᒃ ᐱᓇᓱᐊᕐᑕᒥᑕ ᐊᑭᑎᑦᑎᓂᒃ ᓄᓇᓕᒻᒥᐅᓂᓪᓗ.

12. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᐅᑦᓯᐊᕐᑯᔨᐳᑦ ᐃᑦᓴᓂᑕᓕᕆᕕᓐᓂᒃ, ᐃᓗᕕᖃᐅᑎᓂᓪᓗ, ᖃᐅᔨᓴᕐᓂᖃᓕᕐᐸᑦ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᐅᔭᕋᕐᓂᐊᓂᖃᓚᐅᕐᑎᓇᒍ.

13. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒪᒋᔭᖃᕐᐳᑦ ᓄᓇᕕᐅᑦ ᓯᓚᑖᓂᑦ ᐱᔪᑦ ᐱᓇᓱᒋᐊᕐᑐᑐᑦ ᑎᑭᐅᕐᖃᓯᐸᑕ ᐃᓱᒪᒃᑯᑦ ᐃᓄᓯᒃᑯᓗ ᓱᕐᖽᓂᕆᒐᔭᕐᑕᖓᓂᒃ, ᐱᓗᐊᕐᑐᖅ ᓄᓇᓕᓐᓂ ᐅᔭᕋᕐᓂᐊᕕᐅᔪᑦ ᓴᓂᐊᓂᒥᐅᓂᒃ. ᐃᓱᒫᓗᓐᓇᓗᐊᕐᑎᓗᒍ ᐃᓄᑑᑦᑎᑐᑦ, ᐃᓚᒋᓪᓗ ᓄᓇᓖᓪᓗ ᐅᔭᕋᕐᓂᐊᕕᑦ ᓴᓂᐊᓖᑦᑐᑦ ᐱᒐᓱᐊᒻᒪᕆᓐᓂᕆᖃᑦᑕᓂᐊᕐᑕᖏᑦ ᓄᑖᒥᒃ ᐊᑐᑎᒋᐊᖃᓯᒍᑎᒃ.

14. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒪᒋᔭᖃᕐᐳᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓄᓯᒃᑯᓗ ᐱᓐᓄᓗᑕᐅᖃᑦᑕᕋᔭᕐᑐᓂᒃ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᓂᖃᓚᖓᑐᐊᕐᐸᑦ. ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᖃᓚᖓᑉᐸᑦ ᐱᓗᐊᕐᑐᖅ, ᐃᓱᒪᒃᑯᑦ ᐃᓄᓯᒃᑯᓗ ᓱᕐᕋᑕᐅᓂᕐᓗᕈᑎᐅᒍᓐᓇᑐᑦ ᓄᐃᓂᕐᓴᐅᑐᐃᓐᓇᕆᐊᖃᕐᒪᑕ ᐱᑉᓕᕐᑯᑎᐅᒐᔭᕐᑐᓂᑦ ᓄᓇᕕᒻᒥᐅᓄᑦ.

15. ᑕᒪᑐᒪ ᖃᐅᔨᓴᕐᑕᐅᓯᒪᓗᐊᖑᕆᓂᖓᓄᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᕆᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒪᒋᔭᖃᕐᐳᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓄᓯᒃᑯᓗ ᓱᕐᕋᑕᐅᓯᒪᐅᑎᖏᑦ ᐃᓄᐃᑦ ᐊᓪᓚᑕᐅᓯᒪᒋᐊᖃᕐᓂᖏᓐᓂᒃ ᐅᔭᕋᕐᓂᐊᓃᑦ ᐱᑉᓕᐊᔭᐅᓕᕐᑎᓗᒋᑦ, ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᓂᐅᑉ ᐱᒋᐊᕐᑕᐅᓯᒪᓂᖓ ᐱᒋᐊᕐᕕᒋᓗᒍ.

ᐱᓇᓱᑦᑏᑦ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖅᑲᕐᓂᖓ

16. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖅᑲᕐᐳᑦ ᖃᓄᓪᓗᐊᑎᒋᒃ ᐊᑐᓕᕐᑎᑕᐅᓂᐊᕐᒪᖔᑕ ᒪᓕᒃᑦ ᐱᑦᔪᑎᓖᑦ ᐱᓇᓱᑦᑏᑦ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖅᑲᕐᓂᖏᓐᓂᒃ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᑐᖅᑲᓕᕐᐸᑦ ᐅᖓᓯᒋᔭᐅᔪᒦᑦᑐᒦᓪᓗᑎᒃ ᓄᓇᕕᒻᒥ.

17. ᓄᓇᕕᒻᒥᐅᑦ ᑐᐹᑭᑦᓱᑦ ᐊᒥᓱᒻᒪᓇᐅᒻᒪᑕ ᐊᓯᖅᒋᓪᓗ ᐊᑦᔨᒌᖅᖅᒋᑐᑦ ᓱᕐᕋᑕᐅᒪᒍᑎᐅᒍᓐᓇᑐᑦ ᐱᓇᓱᕝᕕᒥ ᐱᒻᒥᑎᓪᓗᒋᑦ ᓱᒃᑯᓇᕐᑐᑕᓖᑦ (ᐃᓚᐅᒻᒥᑎᓪᓗᒍ radon) ᑐᐹᑭᓗ ᓱᒃᑯᑕᐅᓐᓇᑐᕐᑕᖃᕐᒥᓱᓂ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᑯᓪᓚᑎᑦᓯᒐᓱᐊᕈᑎᑦᓴᓂᒃ ᑲᔪᓯᑎᑕᐅᒋᐊᖅᑲᕐᑐᓇᑦᓯᕗᑦ ᐃᓄᐃᑦ ᐱᓇᓱᑦᑏᑦ ᐳᕝᒥᒍᑦ ᖃᓄᐃᒍᑎᑖᕐᑯᓇᒋᑦ.

18. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖅᑲᕐᐳᑦ ᐊᑦᑕᓇᕈᓐᓇᓂᖓᓂᒃ ᐅᖓᓯᒋᔭᐅᔪᒦᑦᑐᒥ ᐱᓇᓱᒋᐊᒥᒃ ᐊᒻᒪᓗ, ᓄᓇᕕᒃ ᐆᒃᑦᑐᒪᓇᐅᒻᒪᑦ ᓯᓚᓗ ᖃᓄᐃᑦᑑᓕᖓᒻᒪᖔᑦ ᓇᓗᓇᕐᑑᓱᒍᑎᓪᓗᒍ, ᐅᐃᒪᓇᕐᑐᑯᓪᓗ ᐊᐅᓪᓚᑎᑕᐅᒋᐊᖅᑲᕐᓂᓇᓱᖅᒋᑦᑕ ᐊᕐᕐᑯᓇᕐᓯᒪᔪᑦ ᐱᓇᓱᑦᑏᑦ ᐊᑦᑕᓇᕐᑑᒋᐊᖓᓂᒃ ᐊᓯᖅᒋᑦᑕᓗ ᐊᑦᑕᓇᕐᑑᒦᑦᑎᑕᐅᒍᓐᓇᓂᖅᒋᓐᓂᒃ (ᑎᒻᒥᔫᕐᑏᑦ, ᐋᓐᓂᐊᓯᐅᕐᑏᑦ, ᐊᓯᖅᒋᓪᓗ).

19. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᖃᐅᔨᒪᔭᐅᕐᑯᔨᓪᓚᓇᑉᐳᑦ ᐱᒻᒪᓇᐅᒋᐊᖓᓂᒃ ᐃᓱᒪᒋᔭᐅᓪᓚᓇᒋᐊᖅᑲᕐᓯᓂᓗ, ᐃᓘᓐᓂᓄᑦ ᐱᓇᓱᖃᑎᒋᔭᐅᓱᓄᑦ, ᐱᓇᓱᑦᑏᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᓇᐊᖅᑲᕐᓂᖓ ᐊᑦᑕᓐᑦᑐᒦᒋᐊᖅᑲᕐᓂᖅᒋᑦᑕᓗ ᐃᓱᒫᓘᑎᐅᓂᖓ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᓂᖅ ᐱᒋᐊᕐᑕᐅᕝᓪᓕᐊᓯᑎᓪᓗᒍ.

ᐱᒍᑦᔨᐅᑏᑦ ᐃᓂᓪᓚᑕᐅᓯᒪᐅᑎᖅᒋᑦᑕ ᓱᕐᕋᑕᐅᓯᒪᐅᑎᖅᒋᑦ

20. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖅᑲᕐᐳᑦ ᐱᒐᓱᐊᒻᒪᓇᓐᓇᑑᒐᔭᕐᓂᖓᓂᒃ ᐅᓄᕐᓯᒋᐊᑐᐊᕐᐸᑕ ᐊᑐᕐᑏᑦ ᐱᒍᑦᔭᐅᒋᐊᖅᑲᕋᔭᕐᑐᑦ ᓄᓇᕕᒻᒥ ᖃᓄᐃᖅᖅᒋᓯᐊᕐᓂᓕᓇᕕᓐᓄᑦ ᐅᓄᕐᑐᒪᓈᑦ 100-ᓖᑦᑐᑦ ᐱᓇᓱᑦᑏᑦ ᓄᓇᕕᐅᑉ ᓯᓚᑖᓂᑦ ᐱᓯᒪᔪᑦ ᐱᒍᑦᔭᐅᖃᑕᐅᒋᐊᖅᑲᓯᑉᐸᑕ.

ᓄᖑᔪᐃᑦᑐᖅ ᐅᑦᑭᓗᓐᓖᑦ «ᓱᔪᓚᐅᕐᓯᒪᓂᐊᖅᖅᒋᑐᖅ»

21. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖅᑲᕐᐳᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᑦ ᕿᒥᓐᓇᓯᒪᔭᖅᒋᑦᑕ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᓂᖅᒋᓐᓂᒃ ᐊᑯᓖᕐᑐᒍᑦ ᑭᖑᕝᑦᑎᓂᒃ ᓱᕐᖽᑐᐃᓐᓇᓇᐊᖅᑲᕐᒪᑕ, ᐱᓗᐊᕐᑐᖅ ᕿᒥᓐᓇᓯᒪᔭᖅᒋᑦ ᐊᑦᑕᓇᕐᑑᑐᐊᕐᐸᑕ.

ᐃᓄᓐᓄᑦ ᓈᒻᒪᒋᔭᐅᓂᖓ

22. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐅᔭᕋᕐᓂᐊᓂᓕᓇᔨᓂᒃ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᓇᐊᕐᑐᕈᒪᔪᓂᒃ ᓚᒍᑕᐅᒻᒥᑎᓪᓗᒍ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᖅ ᐃᓄᓐᓄᑦ ᓈᒻᒪᒋᔭᐅᒻᒪᖔᑦ ᖃᐅᔨᓴᕐᕐᑑᓇᐊᖅᑲᕐᑐᓇᑦᓯᕗᑦ. ᒐᒪ ᑐᑭᓯᑎᑦᓯᓯᐊᓇᐊᖅᑲᕐᓂᐊᓕᕋᒥᒃ ᐱᕙᓪᓕᕐᑯᑎᐅᓂᖓ ᐊᖏᓂᕐᓴᐅᒪᖔᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᖅᖅᒋᓂᓇᓂᐊᕐᑕᖅᒋᓐᓂᑦ ᐃᓄᓐᓄᑦ. ᐃᔨᕐᑐᐊᖅᑲᖅᒋᓂᖅ ᐃᓄᐃᓪᓗ ᐃᓚᐅᑎᑕᐅᓂᖓ ᐱᕙᓪᓕᐊᔭᐅᓂᖓᓄᑦ ᑐᑭᓯᓇᕐᑎᑕᐅᑦᓯᐊᓇᐊᓖᒃ. ᐅᔭᕋᕐᓂᐊᓂᓕᓇᔨᑦ ᐊᖏᕐᑕᐅᓯᒪᓂᕐᒥᓂᒃ ᑲᔪᓯᑎᑦᓯᓯᐊᓇᐊᓖᑦ ᑐᓴᐅᒪᑎᑦᓯᖅᒋᓐᓇᓕᒫᕐᓗᑎᒃ ᐅᔭᕋᕐᓂᐊᕕᑦ ᐅᒃᑯᐃᖓᕐᓂᓕᒫᖅᒋᓐᓂ.

23. ᐃᓄᐃᑦ ᐃᒻᒥᓂᒃ ᐊᐅᓚᑦᓯᒍᓐᓇᓂᕐᒥᓂᒃ ᐱᓇᓱᐊᑦᓯᐊᓇᐊᓖᑦ ᓇᓪᓕᒃᑦᓗᑎᓪᓗ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᐅᓚᖓᔪᓂᒃ ᓄᓇᒥᓂ (ᐅᔭᕋᕐᓂᐊᕕᑦ, ᐳᓚᕋᕐᑐᓕᓇᓃᑦ ᐊᓯᖏᓪᓗᓃᑦ) ᐊᒻᒪᓗ, ᐅᔭᕋᕐᓂᐊᓂᕐᓂᒃ ᓇᓪᓕᒃᑦᓚᖓᒍᑎᒃ, ᖃᓄᐃᑦᑑᒐᔭᕐᓂᖓᓂᒃ ᓇᓪᓕᒃᑦᓗᑎᒃ.

ᐃᓗᓕᖏᑦ

ᓄᑦᓕᑎᕐᓯᒪᔪᑦ ᐃᓱᒫᓘᑎᒋᔭᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᑦᓗ iv

1. ᐱᒋᐊᕐᓂᓕᒍᑏᑦ 1

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1.2. ᒪᓕᒐᑦᓴᑦ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᑐᐃᓐᓇᓇᐊᓕᓐᓂᒃ ᐊᐅᓚᑦᓯᒍᓐᓇᓂᕐᒧᑦ .1

2. ᐃᓗᓕᖏᓐᓃᑐᑦ 2

2.1. ᓄᓇᕕᒃ 2

2.1. ᑕᕐᕋᒥ ᐸᕐᓄᑭᑎᒃ ᐊᒻᒪᓗ ᓄᓇᕕᒻᒥᒃ ᐸᕐᓄᑭᑎᒃ 3

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5.3. ᐊᑦᑐᑕᐅᒍᑎᐅᒍᓐᓇᑐᑦ 12

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1. ᐱᒋᐊᕐᓂᓕᒍᑏᑦ

1.1. ᓄᑦᓕᑎᕐᓯᒪᔪᑦ

ᒫᑦᓯᐅᓚᐅᔪᑎᑦᓗᒍ ᐅᖃᓚᐅᔪᒻᒪᑕ Ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques (ᐃᓅᒐᓱᐊᕈᑎᑦᓴᖃᑦᓯᐊᓂᖅ, ᐊᑦᑎᕗᑦ ᐊᒻᒪᓗ ᓯᓚᐅᑉ ᐊᓯᑦᔨᑦᓕᐊᓂᖓᓂᒃ ᐊᖑᒪᑦᓯᒐᓱᐊᕐᓂᖅ, MDDELCC) ᐊᑦᑎᒫᓕᖓᔪᓂᒃ ᐃᓄᓕᒫᓂᒃ ᑲᑎᒪᑎᑦᓯᕕᒻᒥᑐᓂᒃ ᐃᒣᓕᖓᔪᑦᓴᐅᕗᓲᓚᓐᓂᓯᑎᒃ, ᑕᒐᑕᒐ ᐱᓇᓱᐊᕐᑕᐅᔪᖅ ᖃᐅᔨᓴᕐᓂᐅᖏᒻᒪᑦ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᒃ ᓇᑦᓕᑐᐃᓐᓇᖏᓐᓂᒃ ᑭᓯᐊᓂᓕ ᐃᓘᓐᓈᒍᑦ ᓱᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᑯᐯᒻᒥ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᒧᑦ, ᐃᓚᐅᒻᒥᑎᑦᓗᒋᑦ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᓂᖅ ᐅᔭᕋᕐᓂᐊᓃᑦᓗ. ᐊᒻᒪᓗ, ᑕᒐᑕᒐ ᐱᓇᓱᐊᕐᑕᐅᔪᖅ ᖃᐅᔨᓴᕐᓂᐅᖃᑦᑕᒥᔪᖅ ᓱᒃᑯᓇᕐᑐᓕᐅᑉ (nuclear) ᐃᑯᒪᐅᑎᑦᓴᓕᐊᓇᔭᐅᓂᖓᓂᒃ ᓯᒋᐊᕈᑎᑦᓴᓕᐊᓇᔭᐅᓂᖓᓂᒃ ᑭᓈᓂᕐᓗᑯᖓᑕᓗ ᐊᐅᓚᑕᐅᓂᓇᒋᐊᓕᖓᓂᒃ .

ᓄᓇᕕᒻᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᓄᐃᑦᓯᓯᒪᕗᑦ ᑖᒃᑯᓂᖓ ᓄᑦᓕᑎᕐᓯᒪᔪᓂᒃ ᑐᓴᐅᒪᔭᐅᕐᑯᔨᑦᓯᑎᒃ ᓇᐅᓕᒫᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᕐᖃᕐᓂᖓᓄᓕᖓᓂᖓᓂᒃ ᓄᓇᕕᒻᒥᐅᓄᑦ.[1] ᑰᑦᔪᐊᒥ ᑭᓪᓕᓯᓂᐊᕐᓂᖃᓇᐊᖅᖓᓚᐅᔪᑎᑦᓗᒍ ᔫᓂ 12, 2014-ᒥ, ᐊᓪᓚᑕᐅᓯᒪᐅᑎᖏᑦ ᐅᖃᐅᓯᐅᔪᕕᓃᑦ ᑐᑭᓯᕕᑦᓴᐅᕗᑦ ᓇᐅᓕᒫᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᕐᖃᕐᓂᖓᓄᑦ ᐃᓱᒪᓘᑎᐅᔪᓂᒃ ᐃᓄᐃᑦ ᐃᓚᖏᓐᓄᑦ ᓄᓇᕕᒻᒥ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᑐᕐᖃᓯᑦᓴᓂᕐᐸᑦ:

- ᓱᒃᑯᑕᐅᑐᐃᓐᓇᓇᐊᕐᖃᕐᓂᖓᓂᒃ ᓄᓇᐅᑉ, ᓂᕿᑐᐃᓐᓄᑦ[2] ᐃᒪᑐᐃᓐᓇᐅᓗ ᐃᒥᕋᑦᓴᐅᑉ;
- ᓱᕋᑕᐅᒍᓐᓇᓂᖏᓐᓂᒃ ᐃᖃᑦᓕᐊᓃᑦ, ᒪᕐᕿᓐᓃᑦ, ᓄᓂᕐᓐᓃᑦ, ᐃᓅᓯᐅᑦᓗ;
- ᐃᓱᒫᓗᓐᓂᓴᐅᖃᑦᑕᓂᐊᕐᓂᖅ;
- ᐱᓇᓱᑦᑏᑦ ᖃᓄᐃᖅᑭᓯᐊᕐᓂᓇᒋᐊᓕᖓᑕ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᕐᖃᕐᓂᖓ;
- ᓱᕋᑕᐅᑐᐃᓐᓇᓇᐊᕐᖃᕐᓂᖓ ᐊᕐᑎᒥᓂᑦ ᐊᕐᕕᓇᕐᑐᑦ ᐊᒻᒪᓗ ᐅᐃᒪᓇᕐᓯᔪᑦ;
- ᐱᒻᒪᓇᐅᓂᖓ ᐃᔨᕐᑐᐊᕐᖃᓇᐊᕐᖃᖅᑭᓂᐅᑉ ᓇᓗᓇᖅᑭᑐᓂᓪᓗ ᑐᑭᓯᓇᑦᓯᐊᑐᓂᓪᓗ ᐅᕐᖃᐅᓯᕐᖃᕐᓗᓂ ᑐᓴᐅᒪᑎᑦᓯᕐᖃᑦᑕᓇᐊᕐᖃᕐᓂᐅᑉ.

ᑕᒪᒃᑯᐊᓕᒫᖃᔅᑦ ᐃᓱᒫᓘᑎᒋᔭᐅᔪᑦ ᐊᓪᓚᑕᐅᓯᒪᕗᑦ ᑖᒃᑯᓇᓂ ᐊᓪᓚᕐᑯᑎᓂ.

1.2. ᒪᓕᒐᑦᓴᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᕐᖃᕐᓂᑯᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᑐᐃᓐᓇᓇᐊᓕᓐᓂᒃ ᐊᐅᓚᑦᓯᒍᓐᓇᓂᕐᒧᑦ

ᓄᓪᓕᑎᕐᓯᒪᔪᑦ ᑐᖅᖓᕕᖃᕐᕗᑦ ᑐᑭᒧᐊᒍᑎᑦᓴᓕᐊᒍᓯᒪᔪᓂᒃ ᐊᖏᕈᑕᐅᓯᒪᔪᓂᒃ (ᐃᓂᓪᓚᖓᐅᓯᖓᓂ ᐊᐅᓚᑕᐅᓂᓇᒋᐊᓕᖏᑦᑕ ᖃᓄᐃᖅᑭᓯᐊᕐᓂᑯᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᑦ ᑯᐯᒻᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐱᓇᓱᖃᑎᒌᒍᑎᓕᓐᓄᑦ), ᐊᖏᕈᑕᐅᓯᒪᔪᑦ 2003-ᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᑐᑭᒧᐊᖅᑎᓯᔨᓄᑦ ᑯᐯᓕᒫᒥ (INSPQ, 2003) ᑐᑭᒧᐊᒍᑎᑦᓴᓕᐊᒍᓯᒪᔪᑦ, ᐃᓚᒋᐊᕈᑎᒥ 1-ᒥ ᑐᑭᓯᓇᕐᑎᑕᐅᔪᑦ, ᓄᓪᓕᑎᕐᓯᒪᐅᑎᓕᒫᒧᓕᖓᕗᑦ ᑖᑦᓯᒧᖓ:

[1] ᓄᓇᕕᒻᒥᐅᑦ ᓄᓇᕕᒻᒥᐅᒍᕗᑦ.

[2] ᐅᑦᑑᑎᒋᑦᓯᒋᑦ ᐆᒪᔪᐃᑦ ᐱᕈᕐᑐᐃᓗ ᓂᓇᔭᐅᓲᑦ ᐊᕐᑎᒥᑦ ᐱᔭᐅᓯᒪᔪᑦ (Kuhnlein *et al.*, 2004).

- ᐃᑉᐱᒍᓱᑦᓯᐊᓂᖅ;
- ᐃᒻᒥᓂᒃ ᐊᐅᓚᑦᓯᒍᓐᓇᓯᓂᖅ;
- ᐊᑦᔨᒌᑦᑎᓯᓂᖅ;
- ᐅᒃᑯᐃᖕᒫᕈᑎᖃᑦᓯᐊᓂᖅ;
- ᓯᕗᓪᓕᐅᔭᐅᒋᐊᖃᖅᓂᖕᒐ ᐃᓄᐃᑦ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᖅᓂᑯᑦ ᓴᐳᒻᒥᔭᐅᒋᐊᖃᖅᓂᖕᒐ;
- ᖃᐅᔨᓴᖅᓂᓄᑦ;
- ᐃᔨᖅᑐᐊᖃᖕᖕᒋᓂᖅ;

2. ᐃᓗᓕᖕᒋᓐᓃᑐᑦ

2.1. ᓄᓇᕕᒃ

ᓄᓇᕕᒃ ᑕᖅᕿᒦᑉᐳᖅ 55 ᐃᑳᖕᒐᔫᑉ ᖁᓛᓃᑦᓯᓂ ᑯᐯᑉ ᐊᕝᕙᓗᐊᖕᒐᑕ (1/3) ᐅᖕᒐᑖᓄᖅᓯᓂ (ᑲᑎᕕᒃ ᓄᓇᓕᓂᒫᑦ ᑲᕝᒪᖕᒐ ᐊᒻᒪᓗ ᒪᑭᕝᕕᑯᑦ, 2010). ᑕᒪᓐᓇ ᓄᓇ ᐆᓐᑦᑐᐊᓗᒃ, ᐆᒪᔪᓄᑦ ᓇᔪᒐᐅᑦᓯᓂ ᐅᖕᒐᓯᒋᔭᐅᑦᓯᓂᓗ ᓄᓇᓕᖅᓛᓂᑦ. ᐊᖅᑯᑎᖃᖕᖕᒋᑐᖅ ᓄᓇᓕᓐᓄᑦ ᐁᑎᕋᖅᕕᐅᒍᓐᓇᑐᓂᒃ. ᖃᖕᒐᑦᑕᔫᒃᑯᕝᕙᓪᓗᖅ ᑎᒻᒥᔫᒃᑯᕝᕙᓪᓗᖅ ᑎᑭᑕᐅᑦᑕᕈᓐᓇᑐᖅ (ᐅᒥᐊᒃᑯᓘᓐᓃᑦ, ᐅᒥᐊᖅᕈᐊᓂᓲᒍᒐᒥ ᐅᓯᔪᓂᒃ ᓂᐅᕕᐊᑦᓴᓂᒃ ᐊᐅᔭᐅᓂᐊᐱᖕᒐᓂ).

ᑯᐯ ᑕᖅᖕᒐᓃᑦᑐᖅ (Labrador Trough), ᑑᖅᕿᑦ, ᐅᖕᒐᕝᕙ (Cape Smith Belt) ᑯᐯᒻᒥ ᑕᖅᖕᒐᓃᑉᐳᑦ. ᐅᔭᖅᓂᐊᕐᑕᓕᖅᔪᐊᒍᑦᓯᑎᒃ ᒪᑯᓂᖕᒐᓗ iron, nickel, copper, cobalt, zinc, silver, platinum group elements and uranium (Ministère de l'Énergie et des Ressources naturelles - energy and natural resources[3]).

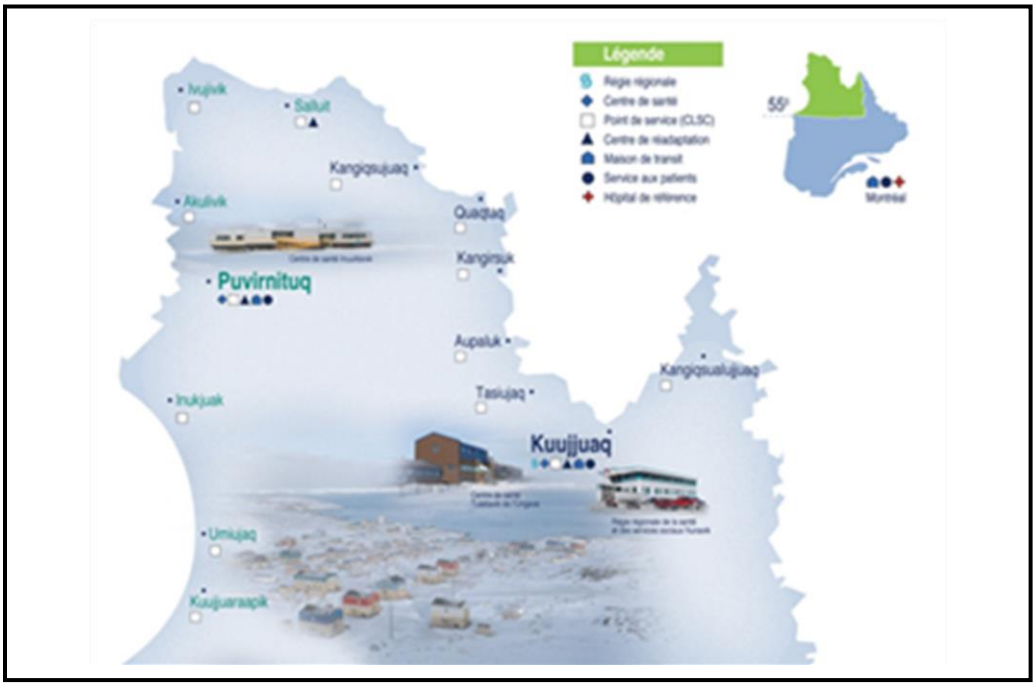
ᓄᓇᕕᒻᒥ ᓄᓇᓖᑦ ᖁᓕᓪᓗ ᓯᑕᒪᓪᓗᐃᑦ ᒪᖅᕈᐃᓕᖕᒐᖅᑐᑦ, ᐅᖕᒐᕝᕙᒥᐅᓪᓗ ᑕᓯᐅᔭᖅᔪᐊᒥᐅᓪᓗ. ᑖᒃᑯᐊ ᓯᔭᐅᔫᒃ ᐋᓐᓂᐊᕕᑦᑕᓖᒃ ᑐᓚᑦᑕᕕᒻᒥᒃ ᐅᖕᒐᕝᕙᒥᐅᑦ ᐋᓐᓂᐊᕕᖕᒐᓂᒃ ᐊᒻᒪᓗ ᐃᓈᓕᑦᓯᕕᒻᒥᒃ. ᓄᓇᓖᑦ ᐊᑐᓂ ᐋᓐᓂᐊᕕᐊᐱᓖᑦ ᐋᓐᓂᐊᕕᒻᒪᓈᓐᓂᒃ ᓇᓪᓕᖕᒋᓐᓄᑦ ᐱᑐᑦᓯᒪᔪᓂᒃ (ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 1). ᑕᖅᕿᓕᒫᒥᑲᔫᒃ ᑐᒃᑐᒪᑦ, ᐱᒍᑦᔨᐅᑏᑦ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᖅᓂᒧᑦ ᐊᑐᐃᓐᓇᐅᓗᐊᖕᖕᒋᑐᑦ. ᐋᓐᓂᐊᓯᐅᖅᑕᐅᒋᐊᓖᑦ ᐊᐅᓪᓚᑎᑕᐅᒋᐊᖃᓲᑦ ᖃᓪᓗᓈᑦ ᓄᓇᖕᒐᓄᑦ ᑯᐯᒻᒥ ᑕᖅᑐᖅᑕᐅᒋᐊᖅᑐᓯᑎᒃ, ᖃᐅᔨᓴᖅᑕᐅᒋᐊᖅᑐᓯᑎᒃ ᐋᓐᓂᐊᓯᐅᖅᑕᐅᒋᐊᖅᑐᓯᑎᓪᓘᓐᓃᑦ.

2011-ᒥ ᖃᐅᔨᓴᐅᑎᕕᓐᓃᑦ ᑕᑯᑦᓯᒋᑦ, ᓄᓇᕕᒻᒥᐅᑦ ᐃᓄᒋᐊᓐᓂᖃᖅᓂᖅᑯᑦ 12,000 ᐅᖕᒐᑖᓄᖅᑐᓂᒃ, ᐃᓄᑐᐃᓐᓇᕝᕙᓂᒃ (89%-ᖕᒋᑦ). ᓄᓇᓖᑦ ᐊᑐᓂ ᐃᓄᒋᐊᓐᓂᖃᖅᓯᑎᒃ 195-ᓂᑦ 2,350-ᓄᑦ, ᐃᓄᑐᐃᓐᓇᐅᖕᒋᑦᑐᓂᒃ ᐃᓅᖃᑎᖃᖅᒥᓯᑎᒃ (5%-ᒥᑦ 10%-ᒧᑦ ᐅᓄᖅᓂᓕᓐᓂᒃ). ᑰᑦᔪᐊᖅ, ᐳᕕᖅᓂᑐᖅ, ᓴᒻᓗᐃᑦ, ᐃᓄᒃᔪᐊᓗ ᐃᓄᒋᐊᓐᓂᓕᑐᐊᑦ 1,000 ᐅᖕᒐᑖᓄᖅᑐᓂᒃ. ᐊᐅᓚᑦᓯᓂᓕᓇᕕᓕᒃ ᑰᑦᔪᐊᖅ ᐃᓄᒋᐊᓐᓂᐸᐅᖅ 2,350-ᓂᒃ ᐃᓄᒋᐊᓐᓂᖃᖅᓯᓂ, 24%-ᒦᑦᑐᓂᒃ ᐅᓄᖅᓂᖃᖅᑎᓗᒋᑦ ᐃᓄᑐᐃᓐᓇᐅᖕᒋᑦᑐᑦ. ᓄᓇᕕᒃ ᐃᓄᒋᐊᑦᓯᕝᕙᓪᓕᐊᑐᐃᓐᓇᑐᖅ, ᒪᖅᕈᕕᓪᓗᐊᑐᒥᒃ ᐃᓄᒋᐊᑦᓯᓯᒪᑦᓯᓂ ᐊᖅᑦᒍᓂ 30ᐅᓚᐅᖅᑐᓂ (NRBHSS and INSPQ, 2011).

[3] Distribution des minéralisations Ni-Cu-EGP dans la Ceinture de Cape Smith (Orogène d'Ungava) : pistes d'exploration (Distribution of Ni-Cu-PGE mineralization in the Cape Smith Belt (Ungava Orogen): avenues of exploration). Retrieved October 27, 2014, from https://www.mern.gouv.qc.ca/mines/quebec-mines/2005-11/capesmith.asp

ᓄᓇᕕᒻᒥᐅᑦ ᐃᓄᐃᑦ ᐃᓅᖃᑎᖃᕐᒥᓯᑎᒃ, ᐃᓕᖅᑯᓯᖃᑎᒥᓂᒃ ᑲᓇᑕᒥᐅᒍᖃᑎᒥᓂᒃ ᓄᓇᕗᕐᒥᐅᓂᒃ, ᓄᓇᑦᓯᐊᕗᒥᐅᓂᓪᓗ (ᓛᐸᑐᐊᒥ) ᐊᒻᒪᓗ ᐃᓄᕕᐊᓗᓐᓂᒃ ᓄᓇᑦᓯᐊᒥᐅᓂᒃ. ᐃᓄᐃᑦ ᓄᓇᖕᒪᑦᓕᔭᐅᔪᒥᐅᒍᑦᓯᑎᒃ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2014).

ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 1. ᓄᓇᕕᒃ ᐊᒻᒪᓗ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐃᓄᓕᓇᓂᕐᒥᓗ ᐱᓇᓱᖃᑎᒌᒍᑎᓛᑦ



2.1. ᑕᕐᕋᒥ ᐸᕐᓇᑭᑎᒃ ᐊᒻᒪᓗ ᓄᓇᕕᒻᒥᒃ ᐸᕐᓇᑭᑎᒃ

2008-ᒥ ᒪᓂᒃᐅᔪᖃᓚᐅᔪᕗᖅ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᓕᓇᓂᕐᒥᒃ ᐱᓇᓱᐊᕈᒪᐅᑎᒥᒃ ᑯᐯᒃ ᑕᕐᕋᖓᓂ ᑲᔪᓯᔪᑦᓴᖑᒍᕐᑎᑕᐅᑦᓯᓂᓗ ᒪᓂᔅᑎᓪᓗᒋᑦ ᑯᐯᒃᑯᑦ ᑲᑦᒪᖓ ᑕᕐᕋᒥᒃ ᐸᕐᓇᑭᑎᓂᒃ ᒥ 2011-ᒥ ᑐᓴᓇᐊᕐᕕᖃᕐᑐᕕᓂᐅᑦᓯᑎᒃ ᓄᓇᓂᒃ ᐊᑦᑐᐊᔭᐅᓂᖃᕋᔭᕐᑐᓂᒃ. 49 ᐃᑳᖓᔫᑉ ᖁᓛ ᐸᕐᓇᑕᐅᒐᔭᕐᑎᓗᒍ ᐃᓚᐅᒻᒥᑎᓪᓗᒋᑦ ᓄᓇᑦ ᑯᐯᒃ ᑕᕐᕋᖓ, Côte-Nord ᑕᕐᕋᖓᓗ Saguenay-Lac-St-Jean ᒥ. ᐸᕐᓇᑕᐅᓂᖓ ᑮᓇᐅᔭᕐᑐᑭᑕᐅᒐᔭᕐᓯᓂ $80-ᐱᓕᐊᓂᒃ ᐊᕐᕌᒍᓂ 25-ᓂ ᐊᒡᒍᑕᐅᒐᔭᕐᑐᓂᒃ ᐅᔭᕐᓂᐊᓂᕐᒧᑦ, ᐱᑦᓴᑖᕐᕕᓴᓄᑦ, ᐳᓚᕐᑐᓕᓇᓂᕐᒧᑦ ᓴᓇᔭᐅᓂᑦᓴᖏᓐᓄᓗ ᐃᖏᕐᕋᐅᑎᓕᓇᓂᕐᒧᑦ ᐃᓪᓗᓴᑦ. ᑲᑭᒪᒃᑯᓄᑦ ᓄᐃᑦᓯᒍᑕᐅᓛᕐᑐᓇᔭᐅᔪᖅ 20,000-ᓂᒃ ᐱᓇᓱᒐᑦᓴᓂᒃ ᐊᕐᕌᒍᑕᒫᑦ ᐱᓇᓱᐊᕐᑕᐅᓂᓕᒫᖓᓂ. ᑕᕐᕋᒥᒃ ᐸᕐᓇᑭᑎᒃ ᓄᕐᖃᖓᔭᐅᑭᓐᓇᑐᕕᓂᖅ Parti Québecois -ᑯᑦ ᑲᑭᒪᑖᓇᔭᐅᑐᐊᕐᒪᑕ 2012-ᒥ, ᑭᓯᐊᓂ ᑕᒐᑕᒐ ᑲᑭᒪᐅᓕᕐᑐᓄᑦ ᐱᒋᐊᕐᑎᑕᐅᒋᐊᓪᓚᓯᒪᔪᖅ.[4]

ᓄᓇᕕᒃ ᑕᕐᕋᒥᒃ ᐸᕐᓇᑐᓄᑦ ᐱᒋᐊᕐᕕᐅᒍᒪᓯᒪᔪᖅ, ᐅᔭᕐᓂᐊᓂᕐᓄᑦ ᐱᓗᐊᕐᑐᖅ. ᑕᒪᓐᓇ ᐃᓱᒪᒋᑦᓱᒍ ᑕᕐᕋᒥᓪᓗ ᐸᕐᓇᑭᒪᔪᓂᒃ ᑭᐅᒍᑎᐅᑎᓪᓗᒋᑦ, ᐊᓪᓚᕐᑯᑏᑦ ᒪᓕᒐᐅᕐᑯᔭᖏᓐᓂᒃ ᓄᓇᕕᒻᒥᐅᑦ ᑐᑭᓯᓇᕐᑎᓯᒍᑏᑦ ᓄᓇᓕᓕᒫᓂ ᐱᕙᓪᓕᐊᑕᐅᒍᒪᔪᓅᓕᖓᔪᑦ (ᓄᓇᕕᒻᒥ ᐸᕐᓇᑭᑎᒃ) ᐊᓪᓚᖕᒍᕐᑎᑕᕕᓂᐅᕗᑦ 2010-ᒥ ᑲᑎᕕᒃ ᓄᓇᓕᓕᒫᑦ ᑲᑭᒪᖓᓄᑦ ᒪᑭᕝᕕᑯᓄᓪᓗ (ᑲᑎᕕᒃ ᓄᓇᓕᓕᒫᑦ

[4] Résumé du Plan Nord du gouvernement du Québec (Summary of the Québec government's Plan Nord). Retrieved October 10, 2014, from http://www.cldacton.qc.ca/coe/nouvelles/ resume_plan_nord.pdf

ᑲᑦᒪᖅᑕ ᒪᑭᕝᕕᑯᓪᓗ, 2010) ᑲᑐᑦᔨᖃᑎᖃᕐᓯᑎᒃ ᑲᑎᕕᒃ ᐃᓕᓐᓂᐊᓂᓕᕆᓂᕐᒥᒃ ᐊᒻᒪᓗ ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᕆᕕᐅᑉ ᑲᑎᒪᔨᖏᓐᓂᒃ.

ᐃᓄᓕᒫᕐᑎᓯᒍᑎᐅᖃᑦᑕᓚᐅᔪᕗᖅ ᐸᕐᓇᓯᒪᐅᑎᒃ ᓄᓇᕕᒻᒥ ᐸᕐᓂᕈᑎᒧᑦ ᐱᑐᑦᓯᒪᑎᓪᓗᒍ, 2014-ᒥ ᐅᐱᖅᒐᓴᒥ ᐱᔭᕇᕐᓯᑎᒃ. ᑐᕌᖃᕈᑕᐅᑦᓯᓂ ᑐᑭᓯᓇᕐᑎᓯᒋᐊᕐᓂᒥᒃ ᓄᓇᕕᒻᒥᐅᓄᑦ ᓈᒻᒪᒋᔭᐅᔪᒥᒃ ᐆᒪᒐᓯᐊᕈᑎᑦᓴᖃᕐᓂᒧᑦ ᐱᕙᓪᓕᐊᓃᑦ ᐃᓂᓪᓚᖅᒐᓯᓕᐅᕐᑕᐅᑎᓪᓗᒋᑦ, ᐃᓅᓐᓄᓄᑦ ᓯᕗᓂᑦᓴᓕᐅᕈᑕᐅᑦᓯᓂ ᐃᓄᐃᑦ ᐱᕐᑯᓯᑐᖃᒃᑯᑦ ᐃᓅᓯᖅᒋᑦ ᐊᕙᑎᖅᒐᓗ ᓴᐳᒻᒥᔭᐅᓂᖃᕋᔭᕐᑎᓗᒋᑦ ᐱᐅᓯᑎᑕᐅᒋᐊᕐᓗᑎᓪᓗ, ᓄᓇᕕᒻᒥᓗ ᐱᕙᓪᓕᐊᔭᐅᔪᑦᓴᑦ ᓇᓗᓄᕐᑕᐅᒐᔭᕐᑎᓗᒋᑦ.

2.2. ᐊᐅᓚᑦᓯᓂᖅ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᒃ ᐅᔭᕋᕐᓂᐊᕕᐅᒐᔭᕐᑐᓂᓪᓗ

ᖃᒃᓚᓐ ᐅᔭᕋᕐᓂᐊᕕᒃ

ᐱᖑᐊᓗᐃᑦ ᓴᓂᐊᓃᑦᑐᖅ ᓴᓪᓗᓄᓪᓗ ᑲᖏᕐᓯᔪᐊᕐᒧᓗ ᖃᓂᑦᑑᓯᓂ, ᖃᒃᓚᓐ ᐅᔭᕋᕐᓂᐊᕕᒃ ᐊᐅᓚᑕᐅᓂᖃᓯᔪᕕᓂᖅ ᑎᓯᒻᐱᓇ 1997-ᒥ. ᐊᖏᓂᖃᕐᓯᓂ 70 km ᐅᐊᕐᓂᒥᑦ ᓂᒋᕐᒧᑦ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᖃᑦᓯᐊᓯᓂ, ᓂᑯᓪ ᑭᑭᐊᑦᓴᔭᖓᓂᒃ ᐊᒻᒪᓗ ᑲᓐᓄᔭᕐᒥᒃ. ᐅᔭᕋᖅ ᓯᖃᓪᓕᑕᐅᑦᓯᓂ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᐳᑯᕝᕕᐅᓂᐊᓕᕐᒪᑦ ᓂᑯᒍᓂᖓᓂᒃ ᑭᑭᐊᑦᓴᔭᒥᒃ ᑲᓐᓄᔭᐅᓂᖓᓂᓪᓗ. ᐊᕐᕌᒍᑕᒫᑦ ᒥᑦᓴᐅᓵᕐᓯᒍ 1.3 ᒥᓕᐊᓐ ᑕᓐ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᐅᓲᑦ, 30,000 ᑕᓐᓂᒃ ᓂᑯᓪ ᑭᑭᐊᑦᓴᔭᐅᓂᖓᓂᒃ ᐱᕕᐅᓚᖓᑦᓯᑎᒃ ᐊᕐᕌᒍᑕᒫᑦ ᐊᒻᒪᓗ 8,000 ᑕᓐ ᐅᖓᑖᓈᕐᑐᓂᒃ ᑲᓐᓄᔭᓂᒃ ᐱᕕᐅᓚᖓᑦᓯᑎᒃ ᐊᒻᒪᓗ 100 ᑕᓐ ᐅᖓᑖᓈᕐᑐᓂᒃ ᐱᕕᐅᓚᖓᑦᓯᑎᒃ cobalt-ᒥᒃ.

ᐅᔭᕋᕐᓂᐊᕕᒃ ᓄᓇᐅᑉ ᐊᑖᓂ ᐅᔭᕋᕐᓂᐊᕕᑦᑕᓕᒃ, ᓯᖃᓪᓕᑐᐃᕕᖃᕐᓯᓂᓗ, ᐃᑯᒪᓐᓂᐊᕕᖃᕐᓯᓂᓗ, ᐊᓪᓚᕕᑦᑕᖃᕐᓯᓂᓗ ᓯᓂᑦᑕᕕᖃᕐᓯᓂᓗ, ᐃᒪᑦᓯᐊᒥᓪᓗ ᐃᒥᕐᑕᕕᖃᕐᓯᓂ, ᑭᓈᓂᕐᓗᑯᓕᕆᕕᖃᕐᓯᓂᓗ, ᐅᕐᓯᐊᓗᖃᐅᑎᑕᖃᕐᓯᓂᓗ. ᒥᕝᕕᓕᒃ ᒥᕝᕕᐅᒍᓐᓇᑐᒥᒃ ᑎᒻᒥᔫᓄᑦ (Boeing 737 and the Hercules). ᐊᕐᕐᑯᓯᐅᕐᑕᐅᓯᒪᑦᓯᓂ ᐊᕐᕌᒍᓕᒫᒥ ᐊᕐᕐᑯᑎᐅᒍᓐᓇᑐᓂᒃ ᐅᔭᕋᕐᓂᐊᕕᒻᒥᑦ ᓱᓇᑐᐃᓐᓇᑯᕕᒻᒧᑦ ᐅᒥᐊᕐᕈᐊᓂᐊᕐᕕᒧᓪᓗ ᓴᓪᓗᐃᑦ ᐅᐯᖏᓐᓃᑐᓄᑦ 100 km ᐅᖓᓯᓐᓂᓕᒻᒧᑦ ᐅᔭᕋᕐᓂᐊᕕᒻᒥᑦ. ᐅᕐᓯᐊᓗᖃᐅᑎᑕᖃᕐᒥᓯᓂ ᐅᒥᐊᕐᕈᐊᓂᐊᕐᕕᒥ, ᐃᑯᒪᑦᓴᔭᕐᓂᐊᕕᖃᕐᓯᓂᓗ ᐅᔭᕋᕐᓂᐊᕕᐅᑉ ᓴᓂᐊᓂ.

ᐅᔭᕋᑦᓴᑖᓇᔭᐅᔪᑦ ᓄᓇᒃᑰᔫᒃᑯᑦ ᓴᓪᓗᐃᑦ ᐅᑉᐸᖓᓄᕈᑦᔭᐅᓂᐊᓕᕐᒪᑕ ᐅᓯᖅᒋᐊᕐᕕᒧᑦ ᐅᒥᐊᕐᕈᐊᑰᕐᑐᓴᓕᐊᓇᔭᐅᑦᓯᑎᒃ ᐅᖓᓯᓐᓂᓕᒻᒧᑦ 2,600 km ᑯᐯᓕᐊᕐᑐᒧᑦ ᓯᑯᓯᐅᑎᒧᑦ ᐅᓯᒍᓐᓇᑐᒧᑦ 27,000 metric tonnes ᐅᕐᑯᒥᓐᓂᓕᓐᓂᒃ. ᐅᔭᕋᑦᓴᑖᓇᔭᐅᔪᑦ ᓄᓇᒃᑰᔫᑯᑖᕐᒧᑕᐅᓂᐊᓕᕐᒪᑕ Glencore ᐊᐅᑦᑎᓇᕕᒻᒧᑕᐅᓚᖓᑦᓯᑎᒃ Sudbury (Ontario)-ᒥ, ᓂᑯᓪ ᑭᑭᐊᑦᓴᔭᖅ ᐊᐅᑦᑎᑕᐅᓂᐊᓕᕐᑎᓗᒍ ᐃᓗᐃᒃᑲᐅᓈᕐᑎᑕᐅᑦᓯᓂ. ᑕᒪ ᑯᐯᒃ ᓯᑎᒧᑦ ᐅᑎᕐᑎᑕᐅᓂᐊᓕᕐᒥᒐᒥ ᓄᓇᒃᑰᔫᑯᑖᒃᑯᑦ, Norway - ᓕᐊᑭᑦᔭᐅᔪᑦᓴᓕᐊᒍᓚᖓᒻᒥᓯᓂ ᓂᑯᓪ ᑭᑭᐊᑦᓴᔭᓕᕆᕕᒻᒧᑦ.

ᓄᓇᕕᒻᒥ ᓂᑯᓪ ᑭᑭᐊᑦᓴᔭᖅ

2001-ᒥ, ᐅᔭᕋᕐᓂᐊᓂᓕᕆᔩᑦ ᓇᕝᕝᓚᐅᔪᕗᑦ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓂᒃ, ᓂᑯᓪᓴᔭᖅ, ᑲᓐᓄᔭᖅ, cobalt, platinum, palladium, ᖃᓄᓴᕐᓗ. ᓄᓇᕕᒻᒥ ᓂᑯᓪᓴᔭᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᒃ, ᐅᖓᓯᓐᓂᓕᒃ 20 km west ᖃᒃᓚᓐ ᐅᔭᕋᕐᓂᐊᕕᒻᒥᑦ, 2014-ᒥ ᐅᔭᕋᕐᓂᐊᕕᐅᒥᐊᕐᓯᒪᕗᖅ. ᐃᓪᓗᖏᑦ, ᖃᒃᓚᓐᒧᑦ ᐊᑐᕐᑕᐅᖃᑕᐅᒻᒥᓯᑎᒃ ᓯᖃᓪᓕᑎᓇᕕᖓ, ᐅᕐᓯᐊᓗᓐᓂᐊᕕᖓ, ᓯᓂᑦᑕᕕᖓ ᐊᕐᕐᑯᑎᖏᓪᓗ.

ᐅᔭᕋᓂᐊᕕᒃ Goodwood and Sunny 1

ᑭᑭᐊᑦᓴᒥᒃ (Tata Steel Minerals Canada Ltd.) ᐅᔭᕋᓂᐊᓂᓕᓇᓱᑦ ᓄᓇᕕᒻᒥ ᐅᔭᕋᓂᐊᓲᑦ 50 ᑭᓗᒦᑕᓄᑦ ᐅᖓᓯᓐᓂᓕᒻᒥ ᑕᕋᕝᓯᖓᓂ ᓯᐊᕗᕕᐊᑦ. ᒪᕐᑮᓂᒃ ᐅᔭᕋᓂᐊᕕᓕᐅᕐᓯᒪᑦᓱᑎᒃ (Goodwood and Sunny 1). ᑭᑭᐊᑦᓴᒥᒃ ᐅᔭᕋᑐᐃᓐᓇᓂᑦᓗ ᐅᔭᕋᓂᐊᓱᑎᒃ ᓈᑎᓇᓱᐅᑦᓱᑎᑦᓗ ᑖᒃᑯᓇᓂ ᐅᔭᕋᓂᐊᕕᓐᓂ, ᑭᑭᐊᑦᓴᖅ ᓛᐸᑐᐊᒥ ᐱᑦᓴᖑᕐᑎᑕᐅᓲᒍᒪᑦ. ᑭᑭᐊᑦᓴᖅ ᓄᓇᒃᑰᔪᑯᑖᒃᑯᑦ Sept-Îles -ᓕᐊᑭᑦᔭᐅᓲᖅ ᐅᒥᐊᕐᑭᐊᑯᑦ Europe-ᓕᐊᑭᑦᔭᐅᔪᑦᓴᐅᒥᑎᑦᓗᒍ. Goodwood ᐅᔭᕋᓂᐊᕕᒃ ᐊᕐᕌᒍᓂ ᖁᓕᐅᖕᒋᒐᕐᑐᓂ ᐊᐅᓚᑕᐅᓂᖃᓛᕐᑐᖅ, Sunny 1 ᐅᔭᕋᓂᐊᕕᒃ ᐊᕐᕌᒍᓂ ᐱᖓᓲᔪᕐᑐᓂ ᐊᐅᓚᑕᐅᓂᖃᓛᕐᑎᓗᒍ. ᐅᔭᕋᓂᐊᓃᑦ ᓄᐃᑦᓯᒍᑕᐅᒍᓇᐅᔪᓇᔭᐅᔪᑦ ᖁᓕᑦᓗ- ᒪᕐᑭᓗᓐᓂᒃ ᐱᓇᓱᒐᑦᓴᓂᒃ ᒥᑦᓴᐅᓵᕐᓱᒋᑦᓗ 55-ᓄᑦ ᐱᓇᓱᐟᕕᐅᒍᓇᐅᑦᓱᑎᒃ.

ᐅᔭᕋᓂᐊᕕᒃ Oceanic Iron Ore

ᐅᔭᕋᓂᐊᓂᓕᓇᓱᑦ Oceanic Iron Ore Corp. ᐅᔭᕋᓂᐊᕋᑦᓴᖃᕐᑦ ᐊᐅᐸᓗᒻᒥᑦ ᐅᖓᓯᓐᓂᓕᒻᒥ 10 ᑭᓗᒦᑕᑐᐃᓐᓇᓂᒃ, ᓄᓇᕕᒻᒥ ᐃᓄᑭᓐᓂᐹᑦᓯᐊᒥ, ᐃᓄᒋᐊᓐᓂᖃᕐᑐᒥ 200 ᒥᑦᓯᑎᒍᕐᑐᓂᒃ. ᐅᔭᕋᓂᐊᓂᓕᓇᓂᖅ, 2016-ᒥ ᐱᒋᐊᑕᐅᓚᖓᓯᒪᔪᖅ, ᐅᔭᕋᓂᐊᕕᐅᓛᕐᕐᑯᖅ 10-20 million tonnes ᑭᑭᐊᑦᓴᔭᑦᓯᐊᕐᕌᓗᒻᒥᒃ ᐊᕐᕌᒍᑕᒫᑦ 48-ᓂ ᐊᕐᕌᒍᓂ. ᑭᑭᐊᑦᓴᔭᐅᓂᖓ ᐅᓯᖕᒋᐊᕐᕕᒍᕐᑕᐅᖃᑦᑕᑎᑦᓗᒍ ᓱᑦᓗᓕᑯᑖᒃᑯᑦ 26 ᑭᓗᒦᑕᓂᒃ ᑕᑭᓂᓕᒃᑯᑦ. European-ᒥᐅᓄᑦ Asian -ᒥᐅᓄᑦᓗ ᓂᐅᕐᑭᑎᑦᓴᓇᓛᕐᓗᒋᑦ ᐊᐅᑦᓚᑎᑦᓯᖃᑦᑕᓛᕈᒪᒐᒥᒃ ᑭᑭᐊᑦᓴᓂᒃ, Oceanic -ᑯᑦ ᐃᑎᔪᒻᒪᓇᒻᒦᑐᒥᒃ ᐅᓯᖕᒋᐊᕐᕕᓕᐅᓛᕈᒪᔪᑦ ᐅᖓᕝᒋ 330-ᒦᑕᓂᒃ ᑕᑭᓂᓕᒻᒥᒃ. ᐅᔭᕋᓂᐊᕕᒃ ᐃᑯᒪᐅᑎᖃᕐᑎᑕᐅᓛᕐᑐᖅ ᐅᕐᓯᐊᓗᑦᑐᑐᓂᒃ ᐃᑯᒪᓐᓂᐊᑏᑦ ᐃᑯᒪᐅᑎᓕᐅᖕᒋᖕᒋᓐᓂ ᐅᖓᕝᒍᑦ ᑎᑭᑦᑐᓂᒃ, ᐃᒻᒪᕐᑳ 2025-ᒍᓕᕐᐸᑦ (Oceanic Iron Ore Corp., 2012, George, 2012; 2013).

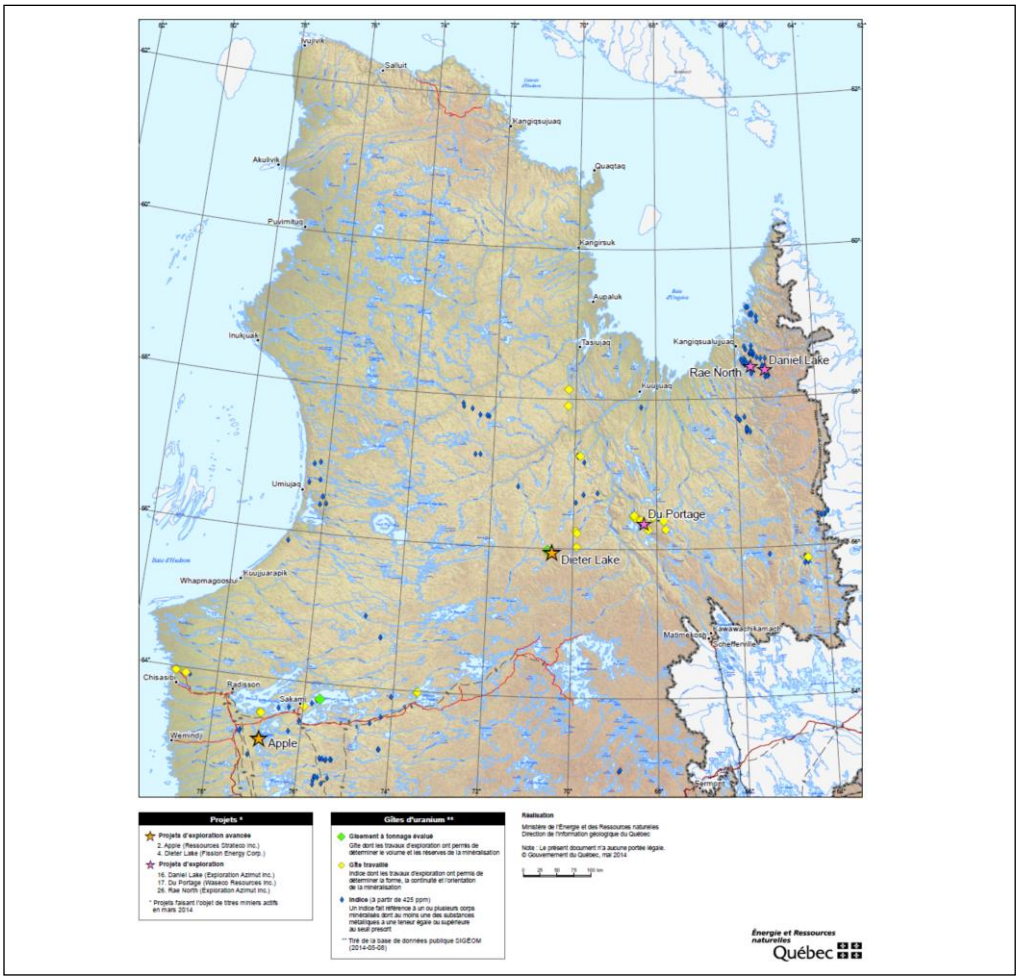
2.3. ᓄᓇᕕᒻᒥ ᓄᖕᒍᔪᐃᑦᑐᑕᓖᑦ

ᓄᓇᕕᒻᒥ ᐅᔭᕋᓂᐊᕋᑦᓴᓯᐅᕐᑐᑦ ᓇᓗᓐᕐᓯᓯᒪᓕᕐᑐᑦ ᐊᒥᓱᒻᒪᓇᓐᓂᒃ ᐅᔭᕋᓂᐊᕋᑦᓴᓂᒃ ᓄᖕᒍᔪᐃᑦᑐᑕᓕᓐᓂᓗ. ᑲᖏᕐᓱᐊᓗᑦᔪᐊᑉ ᓴᓂᐊᓂᕝᓕᖅ, ᓇᓗᓐᕐᓯᕕᐅᓯᒪᒻᒥᑎᑦᓗᒋᑦ ᓄᓇᕕᐅᑉ ᕿᑎᖓᓃᓐᓂᓴᑦ ᐅᒥᐅᔭᐅᑦᓗ ᓴᓂᐊᓂ. (ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 2).

ᓄᓇᕕᐅᑉ ᓯᕿᓂᖓᓂ, Waseco Resources Inc. -ᑯᑦ ᐅᔭᕋᓂᐊᕋᑦᓴᓯᐅᖃᑦᑕᓕᕐᒥᔪᑦ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᑕᓯᕐᒥ Dieter Lake, ᐊᖏᓕᒻᒥ 8,000 hectares. Waseco Resources Inc. -ᑯᑦ ᑕᑦᓕᒪᓂᒃ ᐅᔭᕋᓂᐊᕕᑦᓴᑖᕐᓯᒪᔪᑦ ᐊᖏᓂᓕᒻᒦᑐᓂᒃ 330,000 hectares ᓯᐊᕗᕕᐊᑦ ᑕᕋᕝᓯᖓᓂᑦ ᐅᖓᓯᓐᓂᓕᒻᒥ 200 to 300 kilometres ᑰᑦᔪᐊᒥᑦᓗ ᐅᖓᓯᓐᓂᖃᕐᓯᓂ 140 to 280 kilometres ᓯᕿᓂᕐᓯᖓᓂᑦ. ᓄᖕᒍᔪᐃᑦᑐᖅ ᐅᐊᕈᑎᕐᑲᑲᑦᓛᓲᖅ ᑲᓐᓄᔭᒥᒃ, ᖃᓄᓴᒥᒃ, ᖃᑯᕐᓕᒥᒃ, ᓴᒃᑰᑉ ᐅᕐᑯᒥᓗᑕᑦᓴᔭᖓᓂᒃ, ᐊᒻᒪᓗ zinc and cobalt.

ᐊᒻᒪᓗ, ᐅᔭᕋᓂᐊᕋᑦᓴᓯᐅᕐᑐᖃᕐᒥᔪᖅ ᑲᖏᕐᓱᐊᓗᑦᔪᐊᑉ ᓯᕿᓂᕐᓯᖓᓂ: North Rae and Daniel Lake, Azimut-ᑯᑦ ᓇᒻᒥᓂᖏᓐᓂᒃ. ᐱᖓᓱᒋᐊᓕᓂᒃ ᓴᓂᐊᓃᑦᑐᓴᓐᓇᓂᒃ ᓇᒻᒥᓂᖃᕐᒥᓱᑎᒃ ᐅᔭᕋᓂᐊᕋᑦᓴᓂᒃ.

ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 2. ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᓃᑦ ᓄᖑᔪᐃᑦᑐᑕᓖᑦᓗ ᑯᐯᑉ ᑕᕋᖕᒐᓂ



Source : Ministère de l'Énergie et des Ressources naturelles, 2014.

3. ᓄᓇᕕᒻᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒃ

3.1. ᐃᓄᐃᑦ ᑐᑭᓯᒪᒍᓯᖓ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᒥᒃ

ᐊᑐᒫᒥ ᐱᖁᔭᖅ ᑐᑭᓯᑎᑦᓯᒍᑎᑕᖃᕐᐳᖅ ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᖅ ᓱᓇᐅᒻᒪᖕᒫᑦ: «ᐃᓘᓐᓈᒍᑦ ᑎᒥᒃᑯᑦ, ᐃᓱᒪᒃᑯᑦ ᐃᓈᓯᒃᑯᓗ ᒪᑭᑦᓯᐊᓂᖅ, ᐊᑕᐅᓯᐅᑦᑎᑐᑦ ᐊᒥᓲᓈᕐᑎᑐᐃᓪᓘᓃᑦ ᓇᓗᓐᕐᓯᒍᓐᓇᓇᐊᓖᑦ ᐱᒍᒪᒐᔭᕐᑕᒥᓂᒃ ᐱᒍᓐᓇᓯᐊᕐᓗᑎᒃ, ᑭᖕᖕᒫᒪᒋᔭᒥᓂᒃ ᐱᒍᓐᓇᓯᐊᕐᓗᑎᒃ, ᐊᓯᑦᐆᒋᐊᖃᑦᑕᑭᓐᓇᓗᑎᓪᓗ ᐊᑭᑎᒥᑦᑕᒥᓂᒃ ᐊᑑᑎᒍᓐᓇᓗᑎᓪᓗ ᐊᑭᑎᒥᑦᑕᒥᓂᒃ. ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᑕᒐ ᑕᑯᓐᓇᑕᐅᒍᓯᖃᕐᐳᖅ ᐅᓪᓗᑕᒫᑦ ᐃᓈᓯᒃᑯᑦ ᐃᑲᔪᕐᓯᔭᐅᓂᕐᒥᒃ, ᐃᓈᓯᒃᑯᑦ ᑐᕝᒐᓕᐅᕐᓯᒪᒍᑕᐅᒐᓂ. ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᖅ ᐃᓱᒋᔭᑦᓴᓯᐊᒻᒪᓇᐅᕗᖅ ᐃᓈᓯᒃᑯᑦ ᓇᒻᒥᓂᕐᒫᓕᖕᒐᔪᓂᓪᓗ ᐃᑲᔪᕐᓯᒍᑎᑦᓴᐅᓱᓂ, ᑎᒥᒃᑯᓗ ᐱᒍᓐᓂᕐᓂᒃ.». (ᑲᓇᑕᒥ ᓇᐅᓕᒫᑦ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᖕᒋᓐᓄᑦ ᑲᑐᑦᔨᖃᑎᒌᓐᓂᖅ, ᑲᓇᑕᒥ ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᓕᓇᔫᑦ ᒪᑭᑕᑦᓯᐊᑭᑎᑦᓴᓕᓇᔫᐅᑦᓯᑎᓪᓗ ᐊᒻᒪᓗ ᓯᓚᕐᔪᐊᒥ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᒍᑦ ᑎᒥᐅᔪᖅ, 1986). ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᖅ ᑕᒐ ᑎᒥᒻᒫᓕᖕᒐᕗᖅ, ᐃᓱᒪᒫᓕᖕᒐᑦᓱᓂᓗ ᐃᓈᓯᕐᒫᓕᖕᒐᑦᓱᓂᓗ.

ᐃᓄᐃᑦ ᑕᑯᓐᓇᕈᓯᖕᒐᒍᑦ, ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᖅ ᒪᑭᑕᑦᓯᐊᕈᓐᓇᓂᕐᓗ ᑐᖕᖕᒐᕕᖃᕐᐳᑦ ᑭᓇᐅᓂᕐᒥᒃ ᖃᐅᔨᒪᑦᓯᐊᓂᕐᓂᒃ ᐃᓚᒋᔭᐅᑦᓯᐊᓂᕐᒥᓗ ᑐᑭᓯᒪᓂᕐᒥᓗ ᓱᓇᑦᑎᐅᒋᐊᖃᕐᓂᒥᒃ ᐃᓈᖃᑎᒋᔭᐅᓗᓂ, ᐱᑦᓯᐊᕋᓱᐊᖃᑕᐅᒋᐊᒥᓪᓗ ᐃᑉᐱᒋᔭᖃᕐᓂᐅᓱᓂ. ᑕᑯᓐᓇᕈᓯᖅ ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᒥᒃ ᒪᑭᑕᑦᓯᐊᕈᓐᓇᓂᕐᒥᓗ ᐱᓯᒪᕗᖅ ᓯᕗᓕᕕᓂᖕᒋᓐᓂᑦ ᐃᓄᐃᑦ ᐱᓯᒪᑦᓱᓂ ᐃᓄᐃᑦ ᐱᕐᖁᓯᕐᖃᖕᒋᓐᓂᑦ. ᐃᓘᓐᓈᒎᕐᑐᒥᒃ ᑕᑯᓐᓇᕈᓯᐅᑦᓱᓂ ᐃᓈᓯᕐᒫᓕᖕᒐᔪᓕᒫᑦ ᐱᑐᑦᓯᒪᓂᖃᕐᒪᑕ ᐊᑦᑎᑦᑎᓄᑦ. ᑕᒪᓐᓇ ᑐᑭᓯᑦᓱᒍ, ᖃᓄᐃᖕᖕᒋᓯᐊᕐᓂᖅ ᑎᒥᒻᒫᓕᖕᒐᕗᖅ, ᐃᓱᒪᒫᓕᖕᒐᕗᖅ ᐃᓈᓯᕐᒫᓕᖕᒐᕗᖅ ᐅᑉᐱᓂᓇᒃᒫᓕᖕᒐᑦᓱᓂᓗ, ᐊᖕᒋᓂᕐᓴᒥᒃ ᑕᑯᓐᓇᕈᓯᖃᕐᓂᓴᑦ ᐃᓄᐃᑦ ᖃᓪᓗᓈᑦ ᐅᑦᑑᑎᓕᐊᓇᓯᒪᔭᖕᒋᑦ ᐋᓐᓂᐊᓯᐅᕐᓂᓕᓇᓂᒃᑯᑦ ᑕᑯᑦᓯᒋᑦ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᐅᑉ ᑲᑎᒪᔨᖕᒋᑦ, 2014). ᑖᒃᑯᐊ ᓐᓪᓕᑎᕐᑕᐅᓯᒪᔪᑦ ᐊᓪᓚᑕᐅᓐᓂᕐᑯᑦ ᐃᓈᓐᓈᒍᑦ ᑕᑯᓐᓇᑕᐅᒍᓯᖓ ᐃᓱᒪᒋᑦᓱᒍ.

3.2. ᖃᐅᔨᒪᑎᑦᓯᒋᐊᖃᕐᓂᖅ, ᐃᑯᓪᓚᑎᑦᓯᒋᐊᖃᕐᓂᓗ ᓴᐳᑦᔨᓯᒪᒋᐊᖃᕐᓂᓗ ᐅᔭᕋᕐᓂᐊᓃᑦ ᐱᕝᓪᓕᐊᔭᐅᓯᑎᓪᓗᒋᑦ

ᓄᓇᕕᒻᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᑎᓕᔭᐅᒪᐅᑎᒥᓂᒃ ᐱᓇᓱᐊᕐᐸᐳᑦ ᐊᐅᓚᑦᓯᓱᑎᒃ ᐊᑦᔨᒌᖕᖕᒋᑐᓂᒃ ᓇᐅᓕᒫᑦ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᖕᒋᓐᓂᒃ ᓱᕐᓄᓯᒪᔪᓂᒃ.

ᑯᐯᒻᒥ ᐱᖁᔭᓕᐅᕐᑏᑦ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᕕᓐᓂ ᑐᑭᒧᐊᖅᑎᓯᔨᓂᒃ ᑲᒪᒋᔭᑦᓴᑖᕐᑎᓯᓯᒪᕗᑦ ᕿᒥᕐᕈᔭᐅᑎᑦᓯᓂᕐᒥᒃ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᑎᒍᑦ ᓱᓇᐅᒻᒪᖕᒫᑕᓗ ᖃᐅᔨᒪᐅᑎᑦᓴᑦ ᐊᒻᒪᓗ ᓇᓗᓐᕐᓂᕐᒥᒃ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᑐᐃᓐᓇᓇᐊᓖᑦ. ᐊᓪᓚᕕᒻᒥ ᐱᓇᓱᐊᕐᑕᐅᒋᐊᖃᕐᒥᔪᑦ ᐃᑯᓪᓚᑎᑦᓯᒪᓱᐊᕐᕈᑎᑦᓴᑦ ᓄᓇᕕᒥᓪᓗ ᐊᑦᑕᓇᕐᓯᔪᖃᕐᓂᐸᑦ ᖃᓄᐃᓕᒋᐊᕈᑎᑦᓴᑦ. ᑲᒪᒋᔭᑦᓴᖃᕐᒥᓱᑎᒃ ᐊᑦᑕᓇᕐᓯᔪᖃᕐᐸᑦ ᑭᖑᓂᖕᒐᒍᓪᓗ (ᑲᔪᓯᑎᑦᓯᓂᒃᑯᑦ ᐅᐃᒪᓇᕐᑐᓕᓇᒍᓯᕐᓂᒃ ᐃᑉᐱᒋᔭᖃᕐᓂᒥᓪᓗ ᐃᓄᓐᓂᒃ ᕿᒥᕐᕈᓯᐊᕐᓂᒥᓪᓗ ᐊᐅᓚᑕᐅᓂᖕᒋᓐᓂᒃ).

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᑐᑭᒧᐊᖅᑎᓯᔨ ᑲᒪᒋᔭᑦᓴᖃᕐᐳᖅ, ᓄᓇᕕᒻᒥ, ᑐᓴᐅᒪᑎᑦᓯᒋᐊᖃᕐᓂᒥᒃ ᓄᓇᕕᒻᒥᐅᓂᒃ ᐃᓘᓐᓈᒍᑦ ᖃᓄᐃᒻᒪᖕᒫᑕ ᖃᓄᐃᖕᖕᒋᒪᖕᒫᑕ ᐃᓄᐃᑦ ᐊᒻᒪᓗ

ᖃᓄᐃᒍᑎᐅᓂᕐᐸᐅᓕᕐᑐᓂᒃ, ᑭᓇᒃᑯᓗ ᐊᑦᑕᓇᕐᓯᑐᐃᓐᓇᕆᐊᖃᕐᑐᒦᒻᒪᖕᒫᑕ, ᓱᓄᓪᓗ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᒪᖕᒫᑕ, ᓱᓇᓂᓪᓗ ᑲᒪᒍᑎᑦᓯᐊᒍᓂᕐᐸᐅᔪᓇᑦᓯᒪᖕᒫᕐᒥ […].[5]

ᐱᓇᓱᑦᑏᑦ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖃᕐᓂᖏᓐᓄᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᑐᑭᒧᐊᖅᑎᓯᔾ ᐱᓇᓱᑦᕕᓄᑦ ᐊᑐᕐᑕᐅᑎᑦᓯᓯᐊᓇᐊᖃᕐᐳᖅ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᒧᑦ ᐱᓇᓱᑦᑕᐅᔪᓂᒃ (ᐅᖃᐅᓯᕐᑕᖏᓐᓃᑐᑦ 127-ᒦᑦᑐᓂ ᐱᕐᑯᔭᕐᒥ ᐱᑦᔪᑎᓕᒻᒥ ᐱᓇᓱᑦᕕᒥ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᐊᑦᑕᓇᕐᓯᒐᓕᒋᐊᖃᕐᓂᒥᓪᓗ, c. S-2.1), ᑲᔪᓯᑎᑕᐅᓂᖃᓇᐊᖃᕐᒥᔪᓂᒃ ᐅᔭᕋᕐᓂᐊᕕᓐᓂ. ᐅᖃᐅᓯᕐᑕᖏᓐᓃᑐᑦ 113-ᒦᑦᑐᓂ ᐱᕐᑯᔭᕐᒥ ᑐᑭᓇᕐᑎᓯᒍᑕᐅᕗᑦ ᐱᓇᓱᑦᑕᐅᔪᑦᓴᑦ ᖃᓄᐃᓕᖕᒪᒋᐊᖃᕐᒪᖕᒫᑕ, ᐱᓗᐊᕐᑐᖅ ᓇᓗᓐᕐᓯᒍᑎᑦᓴᓕᐊᒍᓯᒪᔪᑦ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᒧᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᓂᒃ ᐱᓇᓱᑦᑎᓄᑦ ᐱᓇᓱᕝᕕᒥᓂ ᐊᒻᒪᓗ ᐃᐸᐱᒋᔨᖃᑦᓯᐊᓇᐊᖃᕐᓂᖕᒐᓂᒃ ᐱᓇᓱᕝᕕᓯᐊᒍᒻᒪᖕᒫᑦ ᐱᓇᓱᕝᕕᐅᔪᖅ ᕿᒥᕐᕈᔭᐅᑦᓯᐊᖃᑦᑕᒪᖕᒫᓪᓗ.

ᓂᕿᑦᓯᐊᑐᖃᑦᑕᓇᐊᖃᕐᓂᓗ ᓂᕿᖃᑦᓯᐊᓂᕐᓗ ᐃᓕᑕᓇᔭᐅᒻᒪᑕ ᖃᐅᔨᒪᐅᑎᑦᓯᐊᒍᑦᓱᑎᒃ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᒥᒃ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᑎᒍᑦ ᐱᓇᓱᐊᕐᑕᐅᔪᑦ ᐃᓚᖃᕐᑎᑕᐅᕙᒻᒥᔪᑦ ᖃᐅᔨᒪᔭᐅᑎᑦᓯᓂᕐᒥᒃ ᓂᕿᖃᑦᓯᐊᓂᒃ ᓇᓇᖃᑦᑕᓇᐊᖃᕐᓂᒥᒃ ᓂᕿᖃᑦᓯᐊᓂᕐᓴᐅᖃᑦᑕᓇᐊᖃᕐᓂᒥᓪᓗ, ᐱᓗᐊᕐᑐᖅ ᓂᕿᑐᐃᓐᓇᓂᒃ (ᐃᖃᓗᐸᐱᓂᒃ, ᑐᒃᑐᕕᓂᕐᓂᒃ, ᐊᕿᒡᒋᓂᒃ ᕿᓚᓗᒐᕐᓂᓗ, ᐊᓯᖏᓐᓂᓗ). ᐱᓇᓱᑦᑕᐅᔪᑦ ᐱᒋᐊᕐᑎᑦᑕᐅᖃᑦᑕᑐᐃᓪᓗ ᑐᕌᒐᖃᕈᑕᐅᕗᑦ ᐃᑯᓪᓚᑎᑦᓯᒋᐊᕐᓂᒥᒃ ᐆᒪᒻᒪᑎᒃᑯᑦ, ᑕᖃᒃᑯᓗ ᐋᓐᓂᐊᖃᕐᓂᓂᒃ, ᐊᐅᒃᑯᑦ ᐱᑕᑦᓴᖃᓗᐊᕐᓂᓂᒃ, ᐅᕐᑯᒥᓕᓗᐊᕐᓯᒪᓂᕐᓂᓗ ᓂᓇᓗᐊᖃᑦᑕᓂᕐᒧᑦ ᐱᑕᑦᓴᖃᓗᐊᕐᑐᓂᒃ ᑎᒥᒧᓪᓗ ᖃᓄᐃᓐᓇᖏᑦᑐᑕᖃᓗᐊᖅᖏᑐᓂᒃ. ᑕᒪᒃᑯᐊ ᐱᓇᓱᑦᑕᐅᔪᑦ ᓄᐃᑦᓯᒍᑕᐅᒍᒪᓯᒪᒻᒥᔪᑦ ᐱᓇᓱᖃᑎᖃᕈᓐᓇᓂᕐᒥᒃ ᐊᓯᖏᓐᓂᒃ ᓄᓇᕗᒻᒥ ᓄᓇᓕᓐᓂᓗ ᐱᓇᓱᕝᕕᓂᒃ ᓂᕿᖃᑦᓯᐊᖏᓐᓂᖅ ᐃᑯᓪᓚᑎᒋᐊᕈᒪᑦᓱᒍ ᐊᒻᒪᓗ ᖃᐅᔨᒪᔭᐅᑎᑦᓯᒍᒪᒧᑦ ᓂᕿᑦᓯᐊᓂᒃ ᓂᓇᖃᑦᑕᓇᐊᖃᕐᓂᒥᒃ.

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐊᓪᓚᕕᒻᒥ ᐱᓇᓱᑦᑏᑦ ᐃᓚᐅᕐᑯᔭᐅᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᕙᑎᐅᑉ ᐃᓅᓯᐅᓪᓗ ᓱᕋᑕᐅᓂᓇᑐᐃᓐᓇᓇᐊᓕᖏᓐᓂᒃ ᖃᐅᔨᓴᕐᑐᓄᑦ ᐱᓇᓱᐊᕐᑕᐅᔪᖃᓚᖕᒐᑉᐸᑦ ᐱᒍᑦᔨᕕᒋᒋᐊᓕᖕᒐᓐᑦᑐᓂᒃ, ᐃᓚᐅᒻᒥᑎᓪᓗᒋᑦ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓕᓇᓃᑦ. ᐱᔭᑦᓴᖃᓯᑎᒃ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᓅᓕᖕᒐᔪᑦ ᖃᐅᔨᓴᕐᑐᓄᑦ ᐃᓱᒪᒋᔭᐅᑦᓯᐊᒪᖕᒫᑕ, ᐃᒣᓕᖕᒐᔪᑦᓴᐅᕐᑰᕐᒪᑖᓚᒍᑎᓕᐅᕈᓐᓇᒥᑦᓱᑎᒃ.

4. ᐃᓅᓯᕐᒨᓕᖕᒐᔪᓂᒃ ᖃᐅᔨᓴᐅᑎᐅᓯᒪᔪᑦ ᐊᒻᒪᓗ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᖃᓄᐃᓕᖕᒐᓂᖕᒐ ᓄᓇᕕᒻᒥᐅᑦ

ᓄᓇᕕᒻᒥ ᐅᕕᒐᕐᑐᓕᒻᒪᓇᒃ. ᐊᕐᕌᓗᐊᖏᑦᑕ ᐅᖕᒐᑖᕐᑐᑦ (58.4%) ᐅᑭᐅᖃᕐᒪᑕ 25 ᒥᑦᓯᑎᒍᑦ, ᒪᕐᕈᕕᓪᓗᐊᑐᒥᒃ ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦᑕ ᐅᕕᒃᑲᖏᑦᑕ ᑯᐯᒻᒥᐅᓕᒫᑦ (ᑐᑭᓯᑎᑦᓯᒍᑎ 1). ᐊᒥᓱᑦ ᐃᓅᓕᕐᐸᑎᓪᓗᒋᑦ, ᓄᓇᕕᒻᒥᐅᑦ ᐅᓄᕐᓯᕙᓪᓕᐊᓯᐊᕐᐳᑦ. ᐊᕐᓇᖅ ᐊᑕᐅᓯᐅᑉᐸᑦ ᕿᑐᕐᖓᕐᑲᕐᒪᑦ 3.29-ᓂᒃ ᓄᓇᕕᒻᒥ ᑯᐯᓕᒫᒥᓪᓕ ᐊᕐᓇᖅ ᐊᑕᐅᓯᐅᑉᐸᑦ ᕿᑐᕐᖓᕐᑲᕐᒪᑦ 1.72-ᓂ. ᐊᕐᓂᑦ ᓄᓇᕕᒻᒥᐅᑦ ᐅᕕᒐᕐᓂᓴᐅᑦᓯᒍᑎᒃ ᕿᑐᕐᖏᐅᓯᓲᑦ, ᐃᓅᓕᑦᓴᐅᑎᒋᓂᕐᓴᐅᓯᐊᕐᑲᑐᐃᓐᓇᓇᐊᖃᕐᓂᓴᐅᑦᓯᒍᑎᓪᓗ ᐅᕐᕿᓗᐊᕐᑐᓂᓪᓗ ᓄᑕᕐᑖᓂᐅᔭᕐᓂᓴᐅᑦᓯᒍᑎᒃ, ᕿᑐᕐᖓᕐᑲᕐᓯᒍᑎᓪᓗ ᐅᓄᕐᓂᓴᓂᒃ, ᐃᓄᑑᑦᓯᓗᑎᓪᓗ ᐱᕿᕐᓴᓲᒍᓂᕐᓴᐅᑐᐃᓐᓇᓇᐊᖃᕐᓯᒍᑎᒃ ᐊᕐᓇᓂᑦ ᑯᐯᒻᒥᐅᓕᒫᓂᑦ.

ᓱᑲᑦᑐᒥᒃ ᐃᓄᒋᐊᑦᓯᕙᓪᓕᐊᓂᖕᒐ, ᐃᓅᓯᒃᑯᑦ-ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᖃᕐᓂᑯᓪᓗ ᖃᓄᐃᓕᖕᒐᓂᖕᒐ ᐅᖕᒐᓯᒋᔭᐅᔪᒦᓐᓂᖕᒋᑦᑕᓗ ᓄᓇᓖᑦ ᐃᓪᓗᐃᓂᐊᕈᑎᓪᓚᓇᐅᕙᓕᕐᕐᑯᑦ, ᓂᓐᓂᐅᕋᓚᐅᑎᑐᐃᓐᓇᓕᕐᑎᓗᒋᑦ. 2006-ᒥ, ᐃᓪᓗᒥᐅᖃᑎᒦᑦ ᓯᑕᒪᐅᕙᓪᓗᖃᑦᑕᑐᕕᓖᑦ ᑕᓪᓕᒪᐅᕙᓪᓗᓱᑎᓪᓘᓖᑦ 30%-ᖏᓐᓂ ᓄᓇᕕᒻᒥ ᐃᓪᓗᒥᐅᖃᑎᒦᓂ, ᑯᐯᒻᒥᐅᓕ 10%-ᒍᑎᓪᓗᒍ. ᑕᒪᓐᓇ ᐃᓪᓗᐃᓂᐊᕐᓂᖅ ᐊᑯᓂᐅᓕᕐᑐᖅ

[5] ᑕᑯᓗᒍ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐱᕐᑯᔭᖅ (CQLR, c. S-4.2). ᐱᕐᑯᔭᕐᓗ ᐱᑦᔪᑎᓕᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐃᓄᓕᓇᓂᕐᒥᓗ ᐱᒍᑦᔨᐅᑎᓂᒃ

ᐅᐃᒪᓇᕐᓯᓯᒪᔪᖅ ᓱᕐᖤᓯᒪᓂᕐᑲᕐᓯᓂᓗ ᑎᒥᒃᑯᑦ, ᐃᓱᒪᒃᑯᑦ ᐃᓈᓯᒃᑯᓗ (ᐋᓐᓂᐊᑦ ᐁᑦᑐᑑᑕᐅᒍᓐᓇᑐᑦ, ᐳᑦᓗᓂᖅ, ᓯᓂᔪᐃᑦᑑᓂᖅ, ᑭᑦᓴᓂᖅ, ᐃᒪᒌᑎᒍᓪᓗ ᐱᓐᓄᓗᑕᕐᑲᕐᑲᑦᑕᓂᖅ, ᐊᓯᖏᓪᓗ) (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2014).

ᐁᑦᑐᑑᑕᐅᓲᑦ ᐋᓐᓂᐊᑦ ᐃᓚᖏᑦ ᐃᑭᓕᐅᒥᓯᒪᓕᕐᑐᑦ ᓄᓇᕕᒻᒥ ᐊᕐᕌᒍᓂ ᐊᓂᒍᕐᑐᓂ. ᑭᓯᐊᓂ, ᐃᓚᖏᑦ ᓄᓇᕕᒻᒥ ᐅᓄᕐᓂᓴᐅᒻᒥᑎᓪᓗᒋᑦ ᑯᐯᓕᒫᒥᐅᒐᔭᕐᒪᑦ. ᐁᑉᐸᓈᓐᓂᑯᑦ ᐁᑦᑐᑑᑕᐅᓲᑦ ᐊᐅᒃᑯᓗ ᐁᑦᑐᑑᑕᐅᓲᑦ, ᐱᓗᐊᕐᑐᖅ (chlamydia, gonococcal) ᐁᑦᑐᑑᑕᐅᓲᑦ, ᓄᓇᕕᒻᒥ ᖃᓄᐃᒍᑎᖕᖕᒍᓕᓇᑦᓯᒪᔪᑦ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2013). ᐳᑦᓗᓇᖅ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᑎᒍᑦ ᐃᓱᒫᓗᓐᓇᑐᓪᓕᓇᐅᕗᖅ ᓄᓇᓕᓐᓂ ᐃᓚᖏᓐᓂ ᐊᕐᕌᒍᓂ ᐊᓂᒍᓕᐅᕐᑐᓂ ᐳᑦᓗᑐᖃᕐᐸᒪᑦ.

ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 1. ᖃᓄᐃᒻᒪᖔᑕ ᓄᓇᕕᒻᒥᐅᑦ ᖃᐅᔨᒪᒍᑎᑦᓴᑦ ᐃᓚᖏᑦ

ᖃᓄᐃᖅᑭᓯᐊᕐᓂᒎᓕᖔᔪᓂᒃ ᖃᐅᔨᒪᐅᑎᑦᓴᑦ	ᓄᓇᕕᒻᒥ	ᑯᐯᓕᒫᒥ
ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦ ᐅᑭᐅᓛᑦ 25 ᒥᑦᓯᑎᒍᑦ, 2011	58.4%	28%
ᕿᑐᕐᖏᐅᕈᓐᓇᓃᑦ, 2007-2011	3.29	1.72
ᐊᓈᓇᐅᔪᑦ ᐅᑭᐅᖃᕝᓗᑐᑦ ᐃᒣᓪᓗᐊᑐᓂᒃ, 2007-2011	24.7	29.4
ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦ ᐃᓄᓕᕐᕕᓴᖓ ᓈᒻᒪᓯᓚᐅᕐᑎᓇᒍ ᐃᓄᓕᕐᓯᒪᔪᑦ, 2007-2011	11.8%	7.3%
ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦ ᐃᓄᓕᕐᓯᒪᔪᑦ ᐅᕿᓗᐊᕐᓯᑎᒃ, (2,500 g), 2007-2011	6.4%	5.7%
ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦ ᐃᓚᒋᑦ ᓇᔪᕐᑎᓛᑦ ᕿᑐᕐᖓᒥᓂᒃ ᐱᖓᓯᓂᒃ ᐅᓄᕐᓂᓴᓂᓪᓘᓛᑦ, 2006	43%	15.%
ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦ ᐃᓄᑑᑦᔨᔪᑦ ᕿᑐᕐᖓᒥᓂᒃ ᐅᑭᐅᓕᓐᓂᒃ 18 ᒥᑦᓯᑎᒍᑦ, 2011	38.8%	24.3%
ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦ ᐃᓪᓗᒥᐅᖃᑎᒌᑦ ᓯᑕᒪᓂᑦ-ᑕᓪᓕᒪᓄᑦ ᐃᓄᖃᕐᓯᑎᒃ, 2006	30%	10%
ᐳᓴᓐᑎᑎᒍᑦ ᐅᓄᕐᓂᖏᑦ ᑐᐹᑭᑦᓲᑦ ᓄᓇᕕᒻᒥ (2004) ᑯᐯᒻᒥᓗ (2009-2010)	77%	23%
ᐃᒥᐊᓗᕐᕈᐊᓲᑦ, [6] ᓄᓇᕕᒻᒥ (2004) ᑯᐯᒻᒥᓗ (2009-2010)	68%	18%
ᐋᖓᔭᓐᓇᑐᕐᑐᓲᑦ, ᓄᓇᕕᒻᒥ (2004) ᑯᐯᒻᒥᓗ (2009-2010)	60%	-
ᐋᓐᓂᐊᕕᒻᒦᒥᐊᖃᕐᑲᑦᑕᓯᒪᔪᑦ ᐊᑯᓂᐅᖅᑭᑐᖅ ᑎᒥᒃᑯᑦ ᖃᓄᐃᒍᑎᖃᕐᓯᑎᒃ, ᐅᑭᐅᖅᑭᑦ ᒪᓕᑦᓯᒋᑦ (per 10,000) ᐊᑦᔨᒌᖅᑭᑐᓂᒃ ᐱᑦᔪᑎᖃᕐᓯᑎᒃ, 2008-2012	2,496.6	764.6
ᐃᓈᒍᓐᓄᐸᑦᑐᑦ ᐅᑭᐅᖅᑭᑦ ᒪᓕᑦᓯᒋᑦ (per 10,000), ᐊᑦᔨᒌᖅᑭᑐᓂᒃ ᐱᑦᔪᑎᖃᕐᓯᑎᒃ, 2007-2011	151.4	70.2
ᐳᑭᒃᑯᑦ ᑲᒡᒍᑎᑖᕐᐸᑐᑦ (per 10,000), 2007-2011	32.9	9.0
ᐃᓈᒍᓐᓄᐸᑦᑐᑦ ᓄᑕᖕᑦ (per 1,000), 2007-2011	22*	4.6
ᐃᓈᒍᓐᓄᐸᑦᑐᑦ ᐃᒻᒥᓂᐊᕐᓂᒧᑦ (per 10,000), 2007-2011	9.6	1.4
ᐃᓈᓕᕐᓯᓂ ᓯᕕᑐᓂᓇᓂᐊᕐᑐᓇᔭᐅᓯᒪᓂᖅᒐ, 2007-2011 -ᐊᖅᒍᑏᑦ -ᐊᕐᓄᑦ	 64.8 years 69.7 years	 79.0 years 83.5 years

*ᑐᑭᓯᔭᐅᑦᓯᐊᒪᓇᒥᐊᓕᒃ.

ᖃᐅᔨᒥᐊᕐᕕᒥᓯᒪᔭᕗᑦ: Institut de la statistique du Québec (2011); Census (2006); Nunavik Inuit Health Survey (2004), Canadian Community Health Survey (2009-2010); MSSS birth records; MSSS hospitalization records (MED-ECHO); MSSS tumour records; MSSS death records.

[6] ᐃᒥᐊᓗᑦᑎᓚᓇᐅᓂᕋᕐᑕᐅᕗᖅ ᑕᓪᓕᒪᑐᖃᑦᑕᑐᖅ ᐅᓄᕐᓂᓴᓂᓪᓘᓛᑦ ᐅᓪᓗᓴᓐᓇᖅ ᑕᕐᕿᓕᒫᒥ ᐅᓪᓗᒥᒃ ᐊᑕᐅᓯᕕᒐᓗᐊᕈᓂ ᐅᒣᓪᓗᐊᑐᕐᑐᓗᓂ (ᑯᐯᒻᒥ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐱᒍᑦᔨᓂᕐᓄᑦ ᑐᕐᖃᑕᕐᕕᑯᑦ, 2012).

2004-ᒥ ᖃᓄᐃᑉᐱᑖᒥᒃ ᖃᐅᔨᓴᕐᓂᖃᓚᐅᕐᓯᒪᑎᓪᓗᒍ ᐃᓄᐃᑦ ᖃᓄᐃᒪᖕᒫᑕ ᖃᐅᔨᓴᕐᑕᐅᑎᓪᓗᒋᑦ,[7] ᓄᓇᕕᒻᒥ ᑐᑭᑦᓱᑦ ᐊᒥᓱᒻᒪᓇᐅᕗᑦ, ᓯᑕᒪᐅᑉᐸᑕ ᐃᓄᐃᑦ ᐱᖓᓱᑦ ᐅᖓᑖᓄᕐᑐᑦ ᑐᑭᑦᓱᒍᕗᑦ (77%) ᐅᓪᓗᑕᒫᑦ ᑐᑭᓱᒍᑦᓱᑎᒃ, ᐅᓄᕐᓂᓴᒻᒪᓇᐊᓗᐃᑦ ᐳᓴᓐᑎᑎᒍᑦ ᑯᐯᓕᒫᒥ ᑐᑭᑦᓱᓂᑦ (23%) (ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 1). ᖃᐅᔨᓴᕐᓂᑯᓪᓗ ᖃᐅᔨᒪᓇᓕᕐᒥᓱᓂ ᐃᒥᐊᓗᑦᑎᓚᓈᑦ ᐅᓄᕐᑐᒪᓇᐅᒋᐊᖏᑦᑕ (68% ᓄᓇᕕᒻᒥ ᐊᒻᒪᓗ 18% ᑯᐯᒻᓕᒫᒥ) ᐊᕐᓗᓗ ᐱᐊᕋᑦᓴᖃᕐᓱᑎᒃ ᐃᒥᐊᓗᓱᒍᓂᕋᕐᓯᒪᔪᑦ ᐅᓄᕐᑐᒪᓇᐅᑦᓱᑎᒃ. ᐃᒥᐊᓗ ᐱᒐᓗᐊᕐᒥᑎᓪᓗᒍ, ᖃᐅᔨᓴᕐᑕᕕᓃᑦ 60% -ᖏᑦ ᐋᖓᔭᓐᓇᑐᕐᑐᕕᓂᐅᓂᕋᕐᓯᒪᔪᑦ ᐊᕐᕌᓂᖓᓂ ᖃᐅᔨᓴᕐᓂᐅᑉ 2004-ᒥ ᓄᓇᕕᒻᒥᐅᑦ ᐃᓄᐃᑦ ᖃᓄᐃᒪᖕᒫᑕ ᖃᐅᔨᓴᕐᑕᐅᓂᖃᕐᑎᓗᒋᑦ.

ᐃᒥᐊᓗᑦᑎᓚᓇᐅᓂᖅ ᐱᒻᒪᓇᐅᕗᖅ ᐱᓗᒃᑲᐅᑎᒍᑕᐅᖃᑦᑕᓱᓂ, ᐊᕐᕐᑯᓈᕈᑕᐅᖃᑦᑕᓱᓂ ᐃᓛᓃᖕᖏᑐᓄᑦ, ᐃᑦᓯᒎᓐᓂᓗᓐᓂᒍᑕᐅᖃᑦᑕᓱᓂ ᖁᓄᔪᓂᒃ ᐃᒪᑏᑎᒍᓪᓗ ᐱᓇᓱᕝᕕᑎᒍᓪᓗ ᐱᓐᓂᓗᑦᓯᒍᑕᐅᖃᑦᑕᓱᓂ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᐅᑦ ᑲᑎᒪᔨᖏᑦ, 2014). ᓄᓇᕕᒻᒥ ᖃᐅᔨᓴᕐᓂᐅᓯᒪᔪᖅ ᖃᓄᐃᒪᖕᒫᑕ ᐃᓄᐃᑦ (2004-ᒥ) ᑐᑭᓯᓇᕐᑎᓯᕗᖅ ᐱᕋᔭᐅᑎᖃᑦᑕᓲᒍᓂᖏᓐᓂᒃ ᐃᓄᐃᑦ (ᐱᒋᐊᕐᓂᓂᒃᑯᑦ, ᐃᑦᓯᒎᓐᓂᓗᓐᓂᑯᑦ, ᑎᓪᓕᒐᕐᓂᑯᓪᓗ) 2.5-ᕕᓪᓗᐊᑐᒥᑦ 5-ᕕᓪᓗᐊᑐᒧᑦ ᑕᒣᓗᑭᓐᓂᓴᐅᑦᓱᑎᒃ ᓄᓇᕕᒻᒥᐅᑦ ᑯᐯᒻᒥᐅᓕᒫᓂᑦ, ᐊᕐᓗᓗ ᐱᖓᓱᔪᕐᑐᕕᓪᓗᐊᑐᒥᑦ ᖁᓕᕕᓪᓗᐊᑐᒧᑦ ᐊᓇᕐᕋᒥ ᐃᓚᒥᓄᑦ ᐱᓗᒃᑕᐅᑐᐃᓐᓇᓇᐊᖃᕐᓂᓴᐅᑦᓱᑎᒃ.

ᓄᓇᕕᒻᒥ ᖃᐅᔨᓴᕐᓂᐅᓯᒪᔪᖅ ᖃᓄᐃᒪᖕᒫᑕ ᐃᓄᐃᑦ ᑐᑭᓯᓇᕐᑎᓯᒋᕗᖅ 13%-ᖏᑦ ᓄᓇᕕᒻᒥᐅᑦ ᑭᑦᓴᓂᕐᒦᒋᐊᖏᓐᓂᒃ ᐅᕝᕙᓘᓐᓃᑦ ᑭᑦᓴᓕᑐᐃᓐᓇᓇᐊᖃᕐᓱᑎᒃ ᐃᓱᒪᒥᒍᓪᓘᓃᑦ ᐃᓱᕐᓇᑭᓐᓗᑐᐃᓐᓇᓇᐊᖃᕐᓱᑎᒃ.

ᓄᓇᕕᒻᒥᐅᑦ ᐳᕝᑯᑦ ᑲᒡᒍᑎᑖᑐᐃᓐᓇᓇᐊᖃᕐᓂᓴᑦ ᓯᑕᒪᕕᓪᓗᐊᑐᒥᒃ ᑯᐯᒻᒥᐅᓕᒫᓂᑦ (32.9 per 10,000, against nine). ᐋᓐᓂᐊᕕᒻᒦᒋᐊᖃᕐᐸᑐᑦ, ᓄᑕᓐᑦ ᐃᓈᒍᓐᓗᐸᑦᑐᑦ ᐃᒻᒥᓂᐊᕐᐸᑐᐃᓪᓗ, ᖃᓄᓪᓗᐊᑎᒋᓗ ᐊᑯᓃᕐᑐᒥᒃ ᐃᓈᓯᖃᕐᓂᓇᓲᖏᑦ, ᖃᐅᔨᒪᒍᑎᑦᓴᐅᕗᑦ ᐃᓄᐃᑦ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᓇᓗᓇᕐᑐᒦᓐᓂᖓᓂᒃ. ᐃᓅᓐᓈᒍᑦ ᑕᑯᑦᓯᒋᑦ, ᖃᐅᔨᒪᒍᑏᑦ ᑐᑭᓯᓇᕐᑎᓯᕗᑦ ᓄᓇᕕᒻᒥᐅᑦ ᖃᓄᐃᒍᑎᖃᕐᓂᓴᐅᒋᐊᖏᓐᓂᒃ ᑯᐯᒻᒥᐅᒍᖃᑎᓕᒫᒥᓂᑦ.

5. ᐃᓱᒪᒋᔭᐅᓯᒪᔪᑦ

5.1. ᓄᖑᔪᐃᑦᑐᖅ ᐊᒻᒪᓗ ᓱᔪᐃᓐᓇᑐᕐᑕᖏᑦ

ᓄᖑᔪᐃᑦᑐᖅ ᓇᕝᕚᑕᐅᒍᓐᓇᓲᖅ ᐅᔭᕋᕐᓂ, ᓯᕐᒥᒥ, ᐃᒪᕐᒥ, ᐊᓂᕐᑎᓇᔭᑦᑎᓂ, ᐆᒪᔪᓂ ᐃᓅᔪᓂᓪᓗ. ᓄᖑᔪᐃᑦᑐᖅ ᐱᖓᓱᓂᒃ (isotopes) ᐅᐊᕈᑎᓕᒃ ᐅᕐᑯᒃᓂᓕᓐᓂᒃ (atomic weight) 238 (about 99.27%), 235 (about 0.72%) or 234 (Lauwerys, 2007). ᐱᖓᓱᑦ ᐅᐊᕈᑎᖅᑭᑦ (chemically) ᐊᑦᔨᒦᑐᐃᓐᓇᒥᒃ ᐅᐊᕈᑦᓯᓯᒪᓂᓖᑦ ᑭᓯᐊᓂ ᓱᒃᑯᓇᕐᑐᑦᖃᕐᓂᖏᑦ (radioactive) ᐊᑦᔨᒦᖅᑭᑐᖅ (ATSDR, 2013b).

[7] 2004-ᒥ ᖃᓄᐃᑉᐱᑖ ᖃᐅᔨᓴᕐᓂᐅᓯᒪᔪᖅ ᖃᒻᒥᓂᑕᐅᓂᕐᐸᐅᕗᖅ ᓄᓇᕕᒻᒥ ᖃᐅᔨᓴᕐᓂᐅᓯᓂ. ᑐᑭᓯᕕᑦᓴᐅᓯᓂ ᖃᓄᐃᓕᖓᒻᒪᖕᒫᑕ ᖃᓄᖅᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ, ᒪᑭᑦᓯᐊᓇᐊᖃᕐᓂᑯᑦ, ᐃᓈᓯᒃᑯᑦ-ᑭᑎᑦᓯᒍᑕᐅᓯᒪᔪᑎᒍᓪᓗ, ᐃᓈᓚᓱᐊᕐᓂᑯᓪᓗ, ᓂᓇᑦᓯᐊᖃᑦᑕᓂᒃᑯᓗ ᑎᒥᒃᑯᓗ ᐊᒻᒪᓗ ᐃᓈᓯᒃᑯᑦ ᐊᕝᑎᒥᑦᑕᒥᒍᑦ 1,000 ᐅᖓᑖᓄᕐᑐᑦ ᐅᑭᐅᓖᑦ 15-ᓂᒃ ᐊᖓᔪᑦᓱᓐᓂᑦ ᓄᓇᕕᒻᒥᐅᑦ ᓄᓇᓖᑦ ᖁᓕᓪᓗ ᓯᑕᒪᓪᓗᓂ.

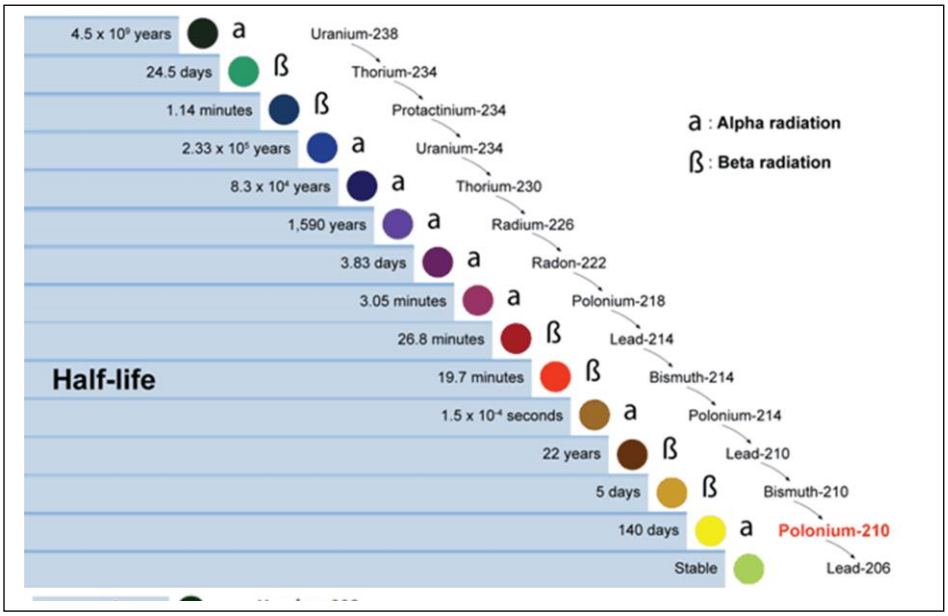
ᓄᖑᔪᐃᑦᑐᖅ uranium ᐊᐅᑐᐃᓐᓇᓱᓂ ᓄᖑᑉᐸᓕᐊᓕᑐᐊᕋᒥ, ᐆᕐᕕᐅᓲᖅ ᐊᑦᑦᑏᖅᑭᓕᓈᓄᑦ ᐊᐅᑐᐊᕐᒪᑦ ᕿᒻᒪᑯᓄᑦ. Uranium-238 ᓄᖑᑉᐸᓕᐊᓕᕋᒥ ᐊᐅᑦᓱᓂ ᐃᑐᑦᑎᓲᖅ ᐅᑯᓃᖓ ᓄᐃᑦᓱᖕᒫᕐᓱᓂ radium (Ra-226) –ᒥᒃ radon (Rn-222)-ᒥᓪᓗ. ᓄᖑᑉᐸᓕᐊᒍᓱᖓ ᓄᕐᖃᓲᖅ ᐅᕐᑯᒥᓗᑕᑦᓴᔭᕈᖕᒫᕐᓱᓂ (ᓴᒃᑯᓴᔭᙱᒍᓱᓂ) Lead-206, ᐊᓯᐊᙱᒍᓱᑐᐃᓐᓇᑲᓪᓚᖃᔭᙱᑐᔭᖅ (ᑕᑯᑦᓴᐅᑎᑦᓱᒍᑎ 3). ᕿᒻᒪᑯᐃᑦ ᐊᒥᐊᒃᑰᖕᒫᕐᑐᐃᑦ ᐊᐅᑉᐸᓕᐊᑎᓪᓗᒍ ᐊᑐᓂᑦ ᓄᖑᔪᐃᑦᑐᔭᐅᕕᒋᓲᖅᑭᑦᑕ-ᐊᑯᓃᕐᓂᖓᑕ ᕿᑎᕐᕐᖃᓗᐊᖓ ᐃᒻᒥᒍᑦ ᓯᕕᑐᔫᑎᒋᒻᒥᔪᐃᑦ, ᐊᓯᑦᔨᑕᕈᓐᓇᓱᓂᓗ ᑖᓐᓇ ᓄᖑᔪᐃᑦᑐᔭᐅᕕᒋᓲᖅᑭᑦᑕ-ᐊᑯᓃᕐᓂᖓᑕ ᕿᑎᕐᕐᖃᓗᐊᖓᑦ, ᐃᒣᓪᓗᐊᑎᒋᒍᓐᓇᑐᓂ ᑕᕐᓴᐱᐅᑉ ᑕᕐᓴᐱᐅᓂᖓᑕ ᐃᓗᓐᓈᐱᖓᓂᑦ ᐊᕐᕌᒍᒐᕐᔪᐊᓄᑦ ᐱᓕᐊᖕᒋᓐᓂᑐᓄᑦ ᑎᑭᒍᓐᓇᓱᓂ. ᓄᖑᔪᐃᑦᑐᔭᐅᕕᒋᓲᖅᑭᑦᑕ-ᐊᑯᓃᕐᓂᖓᑕ ᕿᑎᕐᕐᖃᓗᐊᖓ ᐃᒫᒃ ᑐᑭᓕᒃ ᕐᖃᓄᓪᓗᐊᑎᒋ ᐊᑯᓂ ᑎᑦᓱᒪ ᓱᓇᔭᐅᒐᓗᐊᕈᓂ ᓄᖑᔪᐃᑦᑐᔭᐅᓂᖓᑕ ᐊᐅᑐᐃᓐᓇᐸᓪᓕᐊᑎᓪᓗᒍ ᐃᑐᑦᑎᖑᔭᕐᓱᓂ ᐊᓯᐊᕈᕐᓗᓂ ᓄᖑᔪᐃᑦᑐᔭᕐᑕᖓ ᐊᒥᐊᒃᑰᓕᕐᑐᖅ ᕿᑎᕐᕐᖃᓗᐊᖓᓄᑦ ᑎᑭᐅᑎᕕᖓ. ᐆᒃᑐᕋᐅᑎᒋᓗᒍ, U-238 ᓄᖑᔪᐃᑦᑐᔭᐅᕕᒋᓲᖅᑭᑦᑕ-ᐊᑯᓃᕐᓂᖓᑕ ᕿᑎᕐᕐᖃᓗᐊᖓᑦ ᐃᒣᓪᓗᐊᑎᒋᕗᖅ 4.5 X 10^9 ᐊᕐᕌᒍᐃᑦ (4.5 ᐱᓕᐊᓐ ᐊᕐᕌᒍᐃᑦ), ᐅᓇᓗ polonium-214 (Po-214) ᓄᖑᔪᐃᑦᑐᔭᐅᕕᒋᓲᖅᑭᑦᑕ-ᐊᑯᓃᕐᓂᖓᑕ ᕿᑎᕐᕐᖃᓗᐊᖓᑦ 1.5 X 10^{-4} –ᑕᕐᓴᐱᐅᑉ ᐃᓗᓐᓈᐱᖓᓂᒃ ᐊᑯᓃᕐᑎᒋᑎᓪᓗᒍ (1.5/10,000-ᖓ 1 second). ᓄᖑᔪᐃᑦᑐᔭᕐᑕᖃᕐᓱᑎᒃ-ᓱᓇᑐᐃᓐᓇᕋᑦ ᐆᔭᕐᕕᐅᓲᑕᓲᖑᕗᑦ ᐊᑦᑦᑏᖅᑭᑐᐃᑦ ᓄᐃᑦᓱᒋᑦ ᓄᓪᓚᖓᖅᑭᑐᔭᕐᓂᒃ ᐆᑦᓱᒍᓐᓇᑐᓂᒃ ᐱᑕᓖᑦ: ᐋᓪᐸ, ᐯᑕ ᐊᒻᒪᓗ ᒫᒪ ᐅᔪᕈᒥᐊᖑᕋ ᓄᐃᑕᐅᓲᑦ (CNSC, 2014).

ᐅᓇ ᖃᐅᔨᒪᔭᐅᒋᐊᓕᒃ ᐅᖃᐅᓯᖅ radon (ᖁᑖᓐ) ᐊᑐᕐᑕᐅᒍᓪᓕᐅᓲᖑᒻᒪᑦ ᑕᒪᒋᓐᓄᑦ radon (ᖁᑖᓐ)-ᓕᑦᑖᔪᓄᑦ ᐊᒻᒪᓗ radon (ᖁᑖᓐ)-ᕕᓂᐅᑦᓱᓂ ᐊᐅᑐᐃᓐᓇᕝᓪᓕᐊᓱᓂ ᓄᖑᑉᐸᓕᐊᓕᕐᒪᑦ ᓄᐃᑕᐅᖓᕐᑐᓂᒃ ᑎᓯᒍᑎᐅᒻᒥᓱᓂ. ᐊᐅᑐᐃᓐᓇᕝᓪᓕᐊᓕᕐᒪᑕ ᓄᖑᔪᐃᑦᑐᔭᕐᑕᓖᑦ ᐊᒥᐊᒃᑯᖕᒋᑦ ᐳᕝᒃᑯᑦ ᑲᒪᒍᑎᒥᒃ ᐋᓐᓂᐊᑖᓚᕐᑮᒍᓐᓇᓂᖕᒋᑦ ᑎᒃᑯᐊᖑᐳᑦ ᓄᖑᔪᐃᑦᑐᔭᐅᕕᒋᓲᖅᑭᑦᑕ-ᐊᑯᓃᕐᓂᖓᑕ ᕿᑎᕐᕐᖃᓗᐊᖓᑦ ᓇᑦᑐᐊᐱᐅᑦᓱᑎᒃ ᐆᔭᕐᕕᐅᓲᑕᓲᖑᕗᑦ ᐊᑦᑦᑏᖅᑭᑐᐃᑦ ᓄᐃᑦᓱᒋᑦ ᓄᓪᓚᖓᖅᑭᑐᔭᕐᓂᒃ ᐆᑦᓱᒍᓐᓇᑐᓂᒃ ᐱᑕᓖᑦ: polonium-218 ᐊᒻᒪᓗ polonium-214 (ᑕᑯᑦᓴᐅᑎᑦᓱᒍᑎ 3) (CNSC, 2014). ᓄᖑᔪᐃᑦᑐᔭᕐᑕᖃᕐᓱᑎᒃ ᓱᓇᔭᐅᐃᓐᓇᐅᒐᓗᐊᒥᑦ, ᐊᑐᓂ ᑕᒪᒃᑯᐊ ᓄᖑᔪᐃᑦᑐᔭᕐᑕᖃᕐᓱᑎᒃ-ᓱᓇᑐᐃᓐᓇᕋᑦ ᐃᓕᒃᑰᓗᑐᕐᑐᓂᒃ ᐃᓗᓯᖃᕈᓯᓖᑦ (ᓄᖑᔪᐃᑦᑐᔭᐅᕕᒋᓲᖅᑭᑦᑕ-ᐊᑯᓃᕐᓂᖓᑕ ᕿᑎᕐᕐᖃᓗᐊᖓᑦ ᐊᒻᒪᓗ ᖃᓄᐃᑦᑐᔭᓂᒃ ᐅᔪᕈᒥᐊᖑᔭᓕᐅᓲᖑᓂᖕᒋᑦ). ᐅᒫᑦᓴᓇᖅ ᐊᓯᓕᒫᖕᒋᑎᑐᑦ ᓱᓇᔭᓕᒫᑦ, ᐃᒻᒥᒍᑦ ᓴᓇᒻᒪᖃᕐᓱᑎᒃ ᓱᓇᔭᕐᑕᖃᕐᓂᖕᒋᑦ ᐊᐅᑦᑎᓇᒍᓐᓇᑐᔭᓂᒃ ᐊᑦᑦᑏᒐᑎᒃ. ᐊᐅᑦᑎᓇᒍᓐᓇᑐᔭᐅᓂᖕᒋᑦ ᐊᑦᑦᑏᖅᑭᓕᓈᒍᓐᓇᒥᔪᑦ, ᑕᒪᓐᓇᓗ ᓱᕐᕐᑯᐃᓯᒍᑎᐅᑦᓱᓂ ᐆᒪᔪᓄᑦ ᐊᑐᕐᑕᐅᒍᓐᓇᑐᔭᐅᒻᒪᖓᑦ, ᐅᕐᓱᒧᑦ ᓂᐱᒍᓐᓇᑐᔭᐅᒻᒪᖓᑦ, ᐊᒻᒪᓗ ᓂᓇᔭᖅᑭᓐᓄᑦ ᐊᕐᕐᑯᑎᒻᒪᓇᐅᓲᓄᑦ (ᓂᐅᕐᕐᖃᓂᖓᓄᑦ, ᐃᕐᕐᖃᓂᖓᓄᑦ, ᐅᕕᓂᖓᓄᑦ) (Lauwerys, 2007).

5.2. ᐊᓯᖕᒋᑦ ᓱᒃᑯᓇᕐᑐᑕᕐᑲᕐᒥᔪᑦ

Uranium ᓄᖑᔪᐃᑦᑑᑉ ᐊᐅᑉᐸᓕᐊᓕᕋᒥᓗ ᐊᒥᐊᒃᑯᒋᓲᖅᑭᑦᑕ ᐊᓯᐊᒍᑦ, ᑭᓈᓂᕐᓗᑯᐃᑦ uranium ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᓐᓂᐊᕕᓐᓂ ᐱᑕᕐᑲᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᖏᔪᑲᓪᓚᐅᑐᐃᓐᓇᓇᐊᕐᑲᕐᓱᑎᓗ ᑲᑎᕐᓱᓯᒪᔪᓂᒃ ᐊᐅᑦᑎᓇᒍᓐᓇᑐᔭᓂᒃ ᐊᒥᐊᒃᑯᕕᓂᕐᓂᒃ ᐱᑕᕐᑲᑐᐃᓐᓇᓇᐊᓖᓐᓂᓗ ᖃᐅᔨᒪᔭᐅᕕᒋᓲᖅᑭᓪᓗᑐᓄᑦ ᐊᑦᔨᒋᔭᕐᓂᒃ uranium ᓄᖑᔪᐃᑦᑐᒥᑦ ᐆᔭᕐᕕᒋᒍᐊᖏᑦ ᖃᐅᔨᒪᓇᓈᕐᑐᓄᑦ ᐆᑦᑐᕋᐅᑎᒋᑦᓱᒋᑦ molybdenum, vanadium, selenium, ᑭᑭᐊᑦᓴᔭᒃ, ᐅᕐᑯᒥᓗᑕᑦᓴᔭᒃ, ᐊᒻᒪᓗ arsenic (Diehl, 2011). ᑕᒪᒃᑯᐊ ᓱᒃᑯᓇᕐᑐᑕᓕᑦᓴᔪᑦ ᐆᔭᐅᒐᑕᕋᔭᕐᑐᓴᐅᔪᑦ ᐊᑦᔨᒋᖅᑭᑐᕐᑎᒍᑦ ᐊᕝᑎᖓᓃᑦᑐᑎᒍᑦ (ᑎᕐᑐᒃ, ᓯᕐᒥᒃ, ᐃᒪᖅ), ᐃᔭᐅᓲᑦ ᐆᒪᔪᕐᓄᑦ ᐊᓯᐃᓛ ᐅᔭᕋᓐᓂᐊᕕᐅᑉ ᕿᓈᓂᕐᓗᑯᖓᓄᕐᓂᐊᓕᕋᒥ.

ᑕᑯᑦᓴᐅᑎᑦᓯᒍᑎ 3 ᓄᖅᒍᔪᐃᑦᑑᑉ Uranium-238 ᐊᐅᑐᐃᓐᓇᓕᑐᐊᕐᒥ ᓄᖅᒍᑉᐸᓕᐊᒍᓯᖕᒐᓂᒃ



Source : CNSC, 2014.

5.3. ᐊᑦᑐᑕᐅᒍᑎᐅᒍᓐᓇᑐᑦ

ᓄᐊᑕᐹᑦ ᐱᖅᖅᒍᑎᑕᐅᓯᒪᔪᑦ ᐊᕙᑎᑦᑎᓃᑦᑐᑦ ᐃᓄᓐᓂᒃ ᓱᕐᓄᓱᒍᓕᒫᑦᔭᖅᑭᓪᓕᑦ. ᓱᕐᕋᑕᐅᓱᒍᕗᑦᓕ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒥᒃ ᓂᐅᕐᓯᑐᐊᕐᕋᒥᒃ, ᐃᓱᑐᐊᕐᕋᒥᒃ ᐅᕕᓂᒃᑯᓘᓐᓃᑦ. ᐊᒻᒪᓗ, ᒐᒃᑯᐊ ᓱᒃᑯᓇᕐᑐᑕᓃᑦ (radioactive), ᓱᕐᓄᓂᕐᑲᓐᓇᒥᔪᑦ ᓱᒃᑯᓇᕐᑐᑕᖕᒐᓄᑦ ᓯᑦᓯᑐᕐᑕᐅᔪᕐᑲᑐᐊᕐᒪᑦ ᓯᓚᑎᖕᒐᓂᑦ (ATSDR, 2013; 2013b).

ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒦᕐᑲᑦᑕᓂᖅ ᕐᑲᓄᐃᒍᑎᑖᓚᕿᐅᑎᐅᓕᕐᓗᓃᒍᓐᓇᖅᑭᓐᓂᕗᖅ. ᓱᕐᕋᑕᐅᒍᑎᐅᓂᖅᑭᑦ ᓱᕐᕋᑕᐅᖅᑭᕑᒍᑎᐅᓂᖅᑭᓪᓗ ᕐᑲᓄᓪᓗᐊᑎᑭᓪᓗ ᓱᕐᕋᑕᐅᓃᑦ ᓱᕐᕋᑕᐅᖅᑭᕑᓃᑦ ᐃᓱᒪᒋᔭᐅᒋᐊᕐᑲᕐᕗᑦ ᕐᑲᓄᓪᓗᐊᑎᑭᒃ ᑎᒥᒻᒧᕐᑲᕐᓯᒪᓂᖅᒐ, ᕐᑲᓄᖅ ᐊᑯᓃᕐᑐᒥᒃ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒦᕐᑲᑦᑕᓂᕕᓂᖅ, ᓇᑭᓪᓗ ᓱᕐᕋᑕᐅᓂᖅ. ᓱᕐᕋᑕᐅᓯᒪᔪᕐᑲᕐᐸᑦ ᐃᓱᒪᒋᔭᐅᒋᐊᕐᑲᕐᒥᔪᑦ ᐊᓯᖅᑭᓐᓂᒃ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒦᕐᑲᑦᑕᓂᖅᒐ, ᕐᑲᑦᓯᓂᓪᓗ ᐅᑭᐅᕐᑲᕐᓂᖅᒐ, ᕐᑲᓄᐃᑦᑐᓂᒃ ᓂᓇᓱᒍᓂᖅᒐ, ᐃᓄᓯᖅᒐ, ᐃᓚᒥᑕ ᕐᑲᓄᐃᒍᑎᒋᓱᖅᑭᓐᓂᒃ ᕐᑲᓄᐃᒍᑎᕐᑲᑭᓐᓇᓂᖅᒐ ᐊᒻᒪᓗ ᕐᑲᓄᐃᖅᖅᑭᓯᐊᕐᓂᓇᒋᐊᓂᖅᒐ (ATSDR, 2013; 2013b).

6. ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᑦ ᓱᕐᕋᑕᐅᓂᖅᑭᑦ

6.1. ᐃᓕᓐᓂᐊᓂᓕᓇᓂᖅ, ᐱᓇᓱᒐᕐᑲᕐᓂᖅ ᑮᓇᐅᑦᔭᓴᑦᓯᐊᖅᑭᓐᓂᓗ ᓄᓇᕕᒻᒥ

ᓄᓇᕕᒻᒥ ᐳᕐᑐᓂᕐᓴᒥᒃ ᐱᔭᕇᕐᑐᑦ ᐅᓄᕐᓯᕙᓪᓕᐊᒐᓗᐊᕐᑎᓗᒋᑦ ᐃᓅᓐᓈᒍᑦ ᐃᓕᓐᓂᐊᓯᒪᑦᓯᐊᕋᑕᖅᑭᓚᑦ ᓄᓇᕕᒻᒥᐅᑦ. 2006-ᒥ, 25-ᓂᑦ 64-ᓄᑦ ᐅᑭᐅᓖᑦ ᐊᕙᕐᓗᐊᖅᑭᑦ (ᑯᐯᓕᒫᒥ 83%-ᖅᑭᑦ ᐱᔭᕇᕈᑎᑖᕐᓯᒪᑎᓪᓗᒋᑦ) ᐱᔭᕇᕈᑎᑖᕐᓯᒪᔪᕕᓃᑦ: 10%-ᖅᑭᑦ ᐳᕐᑐᓂᕐᓴᒥᒃ ᐱᔭᕇᕈᑎᓖᑦ, 30%-ᖅᑭᑦ

>ᕐᑐᓂᕐᓴᒋᐊᓪᓚᒥᒃ ᐱᔭᕇᕈᑎᓖᑦ >ᕐᑐᓂᕐᓴᒋᐊᓪᓚᐅᑉ ᐊᓪᓕᖕᒐᓄᑦ ᑎᑭᖕᖕᒋᑐᓂᒃ ᐊᒻᒪᓗ 10%-ᖕᒋᑦ ᐃᓕᓐᓂᐊᕕᕐᔪᐊᒥᑦ ᐱᔭᕇᕈᑎᓖᑦ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ ᐊᒻᒪᓗ INSPQ, 2011). ᖃᐅᔨᒪᔭᐅᒋᐊᖃᕐᐳᖅ ᐃᓕᓐᓂᐊᕕᕐᔪᐊᒥᑦ ᐱᔭᕇᕈᑎᑖᕐᓯᒪᔪᑦ ᐃᓄᑐᐃᓐᓇᐅᒪᑕ ᐃᓄᑐᐃᓐᓇᐅᖕᒋᑦᑐᐃᓗ, ᐃᓄᑐᐃᓐᓄᑦ 2%-ᑐᐃᓐᓇᐅᑎᓪᓗᒋᑦ ᐱᔭᕇᕈᑎᑖᕐᓯᒪᔪᑦ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ ᐊᒻᒪᓗ INSPQ, 2011). ᑭᓯᐊᓂᓕ, ᓄᓇᕕᒻᒥ ᐃᓕᓴᓇᐊᑦᓯᐊᑲᑦᑕᓲᒍᓂᕐᓴᐅᓕᕐᑐᑦ ᐃᓕᓵᓪᓗ >ᕐᑐᓂᕐᓴᒍᑦ ᑎᑭᐅᑎᓂᕐᓴᐅᓲᒍᓕᕐᑐᑦ ᐊᕐᕌᒍᐃᑦ ᐊᑦᑎᑦ ᓈᓕᕐᑎᓗᒋᑦ, ᑯᐯᓕᒫᒥ ᐅᒣᒻᒥᒪᑦ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2014).

ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ ᐊᒻᒪᓗ INSPQ, (2011), ᑐᑭᓯᑦᓯᒋᑦ ᐱᓇᓱᒐᑦᓴᕐᑲᖕᖕᒋᓂᖅ ᐅᑭᐅᓕᓐᓄᑦ 25-ᓂᒃ ᐊᖕᒐᔪᑦᓯᓄᓪᓘᓖᑦ 2006-ᒥ 15%-ᒍᓐᓂᕐᑯᖅ ᑯᐯᒻᒥ 6%-ᒍᑦᓯᓂ. ᐅᑭᐅᓕᓐᓂ 15-ᓂᑦ 24-ᓄᑦ, 27%-ᒍᑦᓯᓂ ᐊᒻᒪᓗ 12%-ᒍᑦᓯᓂ. >ᓴᓐᑎᑎᒍᑦ ᑮᓇᐅᑦᔭᓴᑦᓯᐊᖕᒋᑦᑐᑦ ᐃᓚᒋᑦ ᐅᓄᕐᓂᓴᐅᓐᓂᕐᑯᑦ ᑯᐯᒻᒥᐅᓕᒫᓂᒥᑦ, ᐱᓗᐊᕐᑐᑦ ᐃᓄᑑᑦᔨᔪᑦ ᕿᑐᕐᖕᒐᒥᓂᒃ (33% ᓄᓇᕕᒻᒥ 26% ᑯᐯᓕᒫᒥ). ᓄᓇᕕᒻᒥ ᑕᓪᓕᒪᐅᑉᐸᑕ ᐃᓚᒋᑦ ᐊᑕᐅᓲᑦ ᐃᓚᒋᑦ ᐊᔪᕐᓴᑐᒻᒪᓇᐅᓐᓂᕐᑯᑦ 2006-ᒥ (Duhaime, 2008).

ᓄᓇᕕᒻᒥ ᐱᓇᓱᒐᑦᓴᕐᑲᑦᓯᐊᖕᒋᓐᓂᖕᒐᓄᑦ ᑮᓇᐅᑦᔭᓴᕐᕕᓴᕐᑲᑦᓯᐊᖕᒋᓪᓚᖅ, 1960-ᒥᓂᑦ ᓇᐅᓕᒫᓂᒃ ᐱᒍᑦᔨᐅᑎᓂᒃ ᐱᓇᓱᐟᕕᑦ ᐅᓄᕐᓯᕝᓪᓕᐊᑕᕐᓗᐊᕐᑎᓗᒋᑦ. ᐊᑕᔪᒥᒃ ᐱᓇᓱᒐᑦᓴᑦ ᐅᓄᕐᓂᓴᑦ ᐱᓇᓱᒐᓇᔭᐅᒻᒪᑕ ᓄᓇᕕᐅᑦ ᓯᓚᑖᓂᑦ ᐱᓯᒪᔪᓄᑦ, ᐱᒍᓐᓇᐅᑎᖃᕈᑕᐅᒋᐊᖃᓲᒍᓂᖕᒋᓐᓄᑦ ᐱᓇᓱᒐᑦᓴᑦ. ᑎᒻᒪᑦ, ᐃᓄᑐᐃᓐᓇᕝᓪᓘᒐᓗᐊᕐᑎᓗᒋᑦ ᓄᓇᕕᒻᒥᐅᑦ, ᐊᑕᔪᒥᒃ ᐱᓇᓱᕐᒥ ᐊᕝᕝᓗᐊᑲᔫᑐᐃᓐᓇᖕᒋᑦ ᐃᓄᑐᐃᓐᓇᓄᑦ ᐱᓇᓱᒐᓇᔭᐅᒻᒪᑕ. (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2014).

ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 2. ᐃᓕᓐᓂᐊᓂᕐᒥᒃ, ᐱᓇᓱᒐᕐᖕᖕᒋᓂᕐᒥᒃ ᑮᓇᐅᑦᔭᓴᓗᐊᖕᖕᒋᓂᕐᒥᓗ

ᖃᐅᔨᒪᐅᑎᑦᓴᑦ	ᓄᓇᕕᒻᒥ	ᑯᐯᓕᒫᒥ
>ᓴᓐᑎᑎᒍᑦ ᑭᑎᑕᐅᓯᒪᔪᑦ ᐅᑭᐅᓖᑦ 25-ᓂᑦ 64-ᓄᑦ ᐱᔭᕇᕈᑎᑖᕐᓯᒪᔪᑦ, 2006	50%	83%
ᐱᓇᓱᒐᕐᖕᖕᒋᑐᑦ ᐅᑭᐅᓖᑦ 15-ᓂᑦ 24-ᓄᑦ, 2006	27%	12%
ᐱᓇᓱᒐᕐᖕᖕᒋᑐᑦ ᐅᑭᐅᓖᑦ 25-ᓂᑦ 64-ᓄᑦ, 2006	15%	6%
ᐃᓚᒋᑦ ᑮᓇᐅᑦᔭᓴᓗᐊᖕᖕᒋᑐᑦ, 2011 -ᐅᑉᐸᓈᑦ -ᕿᑐᕐᖕᒐᒥᓂᒃ ᐃᓄᑑᑦᔨᔪᑦ	19.2% 8.6% 33%	8.8% 9% 26%

ᐱᔭᐅᓯᒪᔪᑦ : ᑭᑎᑦᓯᒍᑕᐅᓯᒪᔪᓂᑦ (2006); Institut de la statistique du Québec (2011).

ᓇᐅᓕᒫᓂᒃ ᐱᒍᑦᔨᐱᑦ ᐊᒻᒪᓗ ᑲᑫᒪᒃᑯᓄᑦ ᑮᓇᐅᔭᖃᕐᑎᑕᐅᑦᓯᑎᒃ ᐱᓇᓱᐟᕕᑦ ᓄᓇᕕᒻᒥ ᐱᓇᓱᒐᕐᖃᕐᕕᒋᔭᐅᓂᕐᐸᐅᕗᑦ, 2,800-ᒦᑦᑎᓗᒋᑦ ᐱᓇᓱᒐᕐᖃᕐᑎᓯᒍᑎᖕᒋᑦ ᑲᑫᒪᑐᕐᖃᒃᑯᑦ, ᑯᐯᒃᑯᓗ ᓄᓇᓕᓂᓪᓗ ᐱᓇᓱᐟᕕᑦ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ ᑲᑎᒪᔨᑦ, 2013). ᐅᔭᕋᕐᓂᐊᕕᑦ ᑐᖕᒐᓕᓇᔭᐅᔪᑦ ᐱᓇᓱᒐᕐᖃᕐᕕᓕᓇᐅᑦᓯᑎᒃ: ᖽᒃᓚᓐ ᐅᔭᕋᕐᓂᐊᕕᒃ ᐱᓇᓱᒐᕐᖃᕐᕕᐅᔪᖅ 1,000 ᐅᖕᒐᑖᕐᑐᓄᑦ ᐱᓇᓱᑎᓄᑦ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2014) ᐊᒻᒪᓗ ᓄᓇᕕᒻᒥ ᓂᑯᓪᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᒃ 600-ᒦᑦᑐᓂᒃ ᐱᓇᓱᑎᖃᕐᓯᑎᒃ (ᐃᓚᐅᑎᓪᓗᒋᑦ ᐊᖕᒋᖃᑎᒌᒍᑎᒃᑯᑦ ᐱᒍᑦᔨᒋᐊᓪᓛᔨᑦ)[8]. Oceanic Iron Ore ᐅᔭᕋᕐᓂᐊᓂᓕᓇᔨᑦ 500-ᒦᑦᑐᓂᒃ ᒥᑦᓴᐅᓴᕐᓯᒋᑦ ᐱᓇᓱᒐᓂᒃ ᓄᐃᑦᓯᓛᕈᓇᐅᔪᑦ, 1,250-ᓂᑦ 1,750-ᓄᑦ ᐱᓇᓱᑦᑎᖃᕐᓗᑎᒃ ᓴᓇᓂᖃᓕᑐᐊᕐᐸᑦ (Oceanic Iron Ore Corp., 2012). ᐊᓯᖕᒋᓪᓗ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᑐᑦ ᐱᓇᓱᑦᑎᓯᕝᒥᑎᓪᓗᒋᑦ 375-ᒦᑦᑐᓂᒃ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥ ᑲᑎᒪᔨᑦ, 2013).

[8] Canadian Royalties Inc., personal communication, October 27, 2014.

ᑖᒃᑯᐊ ᒪᕐᑮᒃ ᐱᓇᓱᒋᐃᒃ ᐱᒻᒥᑎᓪᓗᒋᑦ, ᐃᑭᑦᑑᕗᑦ ᐱᓇᓱᒋᐃᑦ ᓄᓇᕕᒻᒥ. ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ ᐊᓪᓚᕐᑯᑎᓕᐊᕕᓂᕐᓂ (2013) ᑐᑭᓯᓇᕐᑎᓯᕗᑦ 415 ᐱᓇᓱᒐᑦᓴᑦ, 115-ᓗ ᐊᑕᐅᒋᑐᒥᒃ ᐱᓇᓱᒐᑦᓴᑦ, ᐊᑐᐃᓐᓇᐅᕗᑦ ᖃᖓᑦᑕᔫᒃᑯᑦ ᐃᒋᕐᕿᐅᑎᓕᓇᓂᕐᒧᑦ ᐅᒥᐊᕐᕈᐊᑯᓪᓗ ᐃᒋᕐᕿᐅᑎᓕᓇᓂᕐᒧᑦ, 550 ᐱᓇᓱᒐᑦᓴᑦ ᓴᓇᓂᓕᓇᓂᕐᒧᑦ, 420 (ᐃᓚᐅᒻᒥᑎᓪᓗᒋᑦ 150 ᐱᓇᓱᒐᑦᓴᑦ ᐊᑕᐅᒋᑐᒥᒃ) ᐱᓇᓱᒋᐃᓂ ᓇᒻᒥᓂᓇᔭᐅᔪᓂ, 27 ᐱᓇᓱᒐᑦᓴᑦ ᐃᑯᒪᓐᓂᐊᐃᓐᓂ ᐱᒍᑦᔨᔪᓂ ᓄᓇᓕᓐᓂ ᕐᑯᓕᓪᓗ ᓯᑕᒪᓪᓗᓂ, ᐊᒻᒪᓗ 140 ᐱᓇᓱᒐᑦᓴᑦ ᒪᕐᕿᓐᓇᐅᑎᓪᓗᒍ ᐱᓇᓱᒐᑦᓴᑦ ᒪᕐᕿᐃᕐᑯᑎᐅᔪᓂ. ᐃᓚᒋᓴᒃᑯᓗ ᓇᒻᒥᓂᖃᕐᒥᔪᑦ ᐊᐅᓚᑦᓯᓱᑎᓪᓗ ᓯᓂᑦᑕᐃᓐᓂᒃ ᓂᐅᐃᕐᐃᓂᓪᓗ ᐱᓇᓱᑦᑎᖃᕐᓱᑎᒃ 135-ᓂᒃ, ᐃᓚᐅᒻᒥᑎᓪᓗᒋᑦ 50 ᐱᓇᓱᑦᑏᑦ ᐊᑕᐅᒋᑐᒥᒃ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2013).

6.2. ᓱᕐᕿᑕᐅᓃᑦ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᕐᖃᕐᓂᑯᑦ

ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᓕᐅᑦᓯᐊᓕᕐᐸᑕ ᐅᔭᕐᓂᐊᓂᕐᒥᑦ ᓄᓇᕕᒻᒥᐅᑦ ᐃᓚᒋᑦ ᐱᕙᓪᓕᕐᑯᑎᕐᑲᑦᓯᐊᕐᑲᑦᑕᓛᕐᑐᑦ ᑮᓇᐅᔭᓂᒃ ᐅᑎᕐᑎᓯᕕᐅᕐᑲᑦᑕᓂᒃᑯᑦ ᐱᓇᓱᒐᕐᑖᕐᑲᑦᑕᓗᑎᓪᓗ ᓇᒻᒥᓂᕐᓗ-ᐱᓇᓱᕕᕐᑯᑎᕐᑲᕐᓂᒥᒃ ᐱᕕᑦᓴᑖᕐᓯᒪᓗᑎᒃ. (Moorhouse *et al.*, 2011).

ᓄᓇᕕᒻᒥ ᐸᕐᓗᕈᑎᒃ ᑕᑯᑦᓱᒍ (ᑲᑎᕕᒃ ᓄᓇᓕᓕᒫᑦ ᑲᑦᒪᖓ ᐊᒻᒪᓗ ᒪᑭᕝᕕᑯᑦ, 2010), ᓄᓇᕕᒻᒥ ᓄᓇᐅᑉ ᐃᓚᖓ ᐅᔭᕐᓂᐊᕕᐅᓕᕐᐸᑦ ᐱᓇᓱᒐᑦᓴᑖᕐᕕᐅᓛᕐᑐᖅ ᐊᕐᕋᒍᓂ ᐊᑦᑎ ᒪᕐᕈᑦ ᕐᑯᓕᓪᓗ ᐅᖓᑖᓛᕐᑐᓂᒃ ᐱᓇᓱᕕᐅᒍᓐᓇᓗᓂ. ᓄᓇᕕᒻᒥ ᐅᔭᕐᓂᐊᓂᕐᒧᑦ ᑐᓄᓐᓇᑐᒃᑯᑦ ᐱᓇᓱᒐᑦᓴᑦ 1,935 2014-2015ᒥ ᐅᓄᕐᓯᒋᐊᓛᕐᒥᔪᑦ 5,076-ᒍᓛᓕᕐᓱᑎᒃ ᑐᓄᓐᓇᑐᒃᑯᑦ ᐱᓇᓱᕐᑦ 2022-2023-ᒥ (Gosselin *et al.*, 2014). ᐊᓪᓚᑕᐅᓯᒪᔪᑦ ᑕᑯᑦᓱᒋᑦ Moorhouse *et al.* (2011), ᑲᓇᑕᒥ ᐱᑦᓴᑖᕐᕕᓕᓇᕕᓐᓂ ᐅᔭᕐᓂᐊᕕᓐᓂ ᐱᓇᓱᑦᑐᑦ ᑮᓇᐅᑦᔭᓴᕐᓂᐸᐅᑦᓱᑎᒃ. 2000-ᒥ, ᐅᔭᕐᓂᐊᕕᒻᒥ ᐱᓇᓱᑦᑏᑦ ᑮᓇᐅᑦᔭᓴᑦᓗᓚᐅᔪᕗᑦ $1,130.50/ᐱᓇᓱᐊᕈᓯᑕᒫᑦ ᐊᓯᖏᓐᓂ ᐱᓇᓱᕕᒪᓇᓐᓂ $626.45-ᓂᒃ/ᐱᓇᓱᐊᕈᓯᑕᒫᑦ ᑮᓇᐅᑦᔭᓴᑦᓗᓲᒍᑎᓪᓗᒋᑦ.

ᓄᓇᕕᒻᒥ, ᓄᒃᓚᓐ ᐅᔭᕐᓂᐊᕕᐅᑉ ᑭᒡᒐᑐᕐᑎᖏᑦ ᐊᑎᓕᐅᕐᑲᑎᕐᑲᕐᓯᒪᕗᑦ ᒪᑭᕝᕕᑯᓐᓂᑦ ᓱᕐᕿᑕᐅᒍᑎᐅᒐᔭᕐᑐᓄᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᒐᔭᕐᑐᓄᓪᓗ ᐊᖏᕐᑲᑎᒋᒍᑎᒥᒃ, ᓄᓇᓖᓐᓂᓗ ᖃᓂᑕᓇᔭᐅᓂᕐᐹᓂᒃ ᐅᔭᕐᓂᐊᕕᒻᒧᑦ (ᓴᓪᓗᐃᑦ ᑲᖏᕐᓱᔪᐊᕐᓗ) ᓄᓇᒥᓪᓗ ᑎᒍᒥᐊᕐᑎᕐᑯᑎᖏᓐᓂᒃ. ᑐᕋᒐᕐᑲᕈᑕᐅᒻᒥᓱᓂ ᐊᖏᕐᑲᑎᒋᒍᑎᒃ ᕿᓪᓚᑐᕐᑕᐅᓂᐊᕐᑎᓗᒍ ᐱᒋᐅᕐᓴᑎᑦᓯᓂᖅ ᐱᓇᓱᒐᕐᑖᑎᑦᓯᓂᕐᓗ ᐃᓄᓐᓂᒃ ᐱᕙᓪᓕᐊᔭᐅᓂᖓᓂᑦ ᐊᐅᓚᑕᐅᕙᓪᓕᐊᓯᓂᖓᓂᓪᓗ. ᓄᒃᓚᓐ ᐅᔭᕐᓂᐊᕕᐅᑉ ᑭᒡᒐᑐᕐᑎᖏᑦ ᐃᓄᐃᑦ ᐱᓇᓱᕕᕐᑯᑎᖏᓐᓂᒃ ᐊᑐᕐᑕᐅᑎᑦᓯᓂᕐᓴᐅᒐᓱᐊᓇᐊᕐᑲᕐᒥᔪᑦ ᒍᓐᓇᕕᓕᒫᒥᓄᑦ ᐱᐅᓕᓐᓂᐊᒐᕐᓯᒋᐊᕐᑲᓕᕈᑎᒃ ᐱᒍᑦᔨᔪᑦᓴᓯᐅᓕᕈᑎᓪᓗ. ᐅᔭᕐᓂᐊᕕᒃ ᐅᒃᑯᐊᒪᓇᑉᐸᑦ, ᐃᓄᓐᓂᒃ ᐱᓇᓱᑦᑎᕕᓂᕐᒥᓂᒃ ᐊᓯᐊᓂᒃ ᐱᓇᓱᒐᑦᓴᓯᐅᕈᑦᔨᒐᓱᐊᓇᐊᓖᑦ (Benoît, 2004).

ᐃᓄᐃᑦ ᓄᓇᓕᖏᑦ ᓴᓪᓗᐃᑦ ᑲᖏᕐᓱᔪᐊᕐᓗ ᓄᒃᓚᓐᒥ ᐅᔭᕐᓂᐊᕕᒻᒥᑦ ᐊᖏᕐᑲᑎᒋᒍᑎᒥᓯᔭᒥᑎᒍᑦ ᐱᕙᓪᓕᕐᑯᑎᑖᕐᑕᓲᒍᕗᑦ. ᑕᒥᓐᓂ ᓄᓇᓕᒻᒥᐅᑦ ᑮᓇᐅᔭᓂᒃ ᐅᑎᕐᑕᐅᒍᑎᑖᓲᒍᒐᓗᐊᕐᓱᑎᒃ ᓯᕗᓪᓕᐅᔨᔭᐅᑦᓱᑎᓪᓗ ᐱᓇᓱᑦᑎᓴᕐᓯᐅᑐᕐᑲᓕᕐᒪᑦ, ᐊᓯᖏᑦ ᓄᓇᕕᒻᒥᐅᒍᕐᑲᑎᖏᑦ ᐃᓄᐃᑦ ᑐᖓᓕᐅᑎᑕᐅᓲᑦ ᐱᓇᓱᑦᑎᓴᕐᓯᐅᑐᕐᑲᓕᕐᒪᑦ, ᐊᑭᑭᓐᓂᐹᕐᓯᐅᑐᕐᑲᓕᕐᒪᓗ ᑲᑐᑦᔮᓇᔭᐅᔪᓂᓪᓗ ᐱᓇᓱᐊᕐᑕᐅᔪᕐᑲᓕᕐᒪᑦ (Benoît, 2004).

ᐃᓱᒫᓗᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᐃᓱᒪᒋᔭᕐᑲᕐᐳᑦ ᐱᓇᓱᒐᑦᓴᕐᑲᑦᓯᐊᓂᕐᓴᐅᓕᕐᐸᑦ ᐱᓇᓱᕕᕐᑲᕈᓐᓇᓂᕐᒧᓗ ᐱᕕᑦᓴᕐᑲᕐᓂᓴᐅᓕᕐᐸᑦ ᑮᓇᐅᔭᓄᓪᓗ ᐅᑎᕐᕕᐅᕐᑲᑦᑕᓕᕐᐸᑕ ᓄᓇᓕᒻᒦᑐᑦ

ᐃᑲᔪᕐᓯᔭᐅᒻᒪᓇᒐᔭᕐᓂᖏᓐᓂᒃ ᑮᓇᐅᑦᔭᓴᕐᓂᑯᑦ ᓄᓇᕕᒻᒥᐅᑦ ᐱᓇᓱᒐᑦᓴᓗᓲᒍᒻᒪᑕ ᑮᓇᐅᑦᔭᓴᓗᐊᓲᒍᒐᑎᓪᓗ.

6.3. ᐱᒐᓱᐊᒻᒪᓇᐅᑎᒋᖃᑦᑕᑕᖏᑦ ᐃᓄᐃᑦ ᐱᓇᓱᒐᕐᑖᓯᒪᔪᑦ

ᑯᐯᒃᑯᑦ ᑲᑭᒪᖓᑕ ᐊᖏᕈᑎᓕᐊᓇᕐᖃᓯᒪᔭᖓᒍᑦ ᑐᕋᒐᓕᐅᕐᓯᒪᒍᑎᓂᒃ ᖽᒃᓚᓐᒥ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ 1995-ᒥ ᐃᓄᐃᑦ 20%-ᖏᓐᓂᒃ ᐱᓇᓱᒐᕐᓴᑦ ᐱᓇᓱᑦᑎᐅᒍᓐᓇᓂᐊᕐᑎᓗᒋᑦ (Blais, 2013). ᑕᑦᓱᒍᓇ ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᑲᑎᕐᓯᓂᕐᒪᖏᑦ Benoît (2004), 56 ᐱᓇᓱᕐᑦ ᐃᓄᓐᓄᑦ ᐱᓇᓱᒐᓇᔭᐅᔪᕕᓂᐅᕗᑦ, 13%ᓇᓕᕐᑕᖏᓐᓂ ᐱᓇᓱᑦᑏᑦ. 2010-ᒥ, ᖁᓃᑦ ᐅᖓᑖᓄᕐᑐᑦ ᓈᓕᕐᑎᓗᒋᑦ ᐊᐅᓚᑕᐅᓂᖃᓯᓚᐅᕐᓯᒪᑎᓪᓗᒍ, 16.7%ᒦᓕᑐᓐᓇᑐᕕᓃᑦ, 122-ᒍᑦᓱᑎᒃ ᐱᓇᓱᑦᑏᑦ (Blais, 2013). ᑕᑯᑦᓱᒋᑦ ᐅᖃᐅᓯᖏᑦ Gosselin *et al.* (2014), ᓄᓇᕕᒻᒥᐅᑦ ᐱᓇᓱᖏᑦ ᐃᑭᓕᒋᐊᕈᓇᐅᓛᕐᑐᓇᔭᐅᔪᑦ 2014-2015-ᓗ 2022-2023-ᓗ ᐊᑯᓐᓂᖓᓂ, 15.3%-ᒥᑦ (297/1,935) 12.6%-ᒍᑦ (642/5,076). ᐃᓄᐃᑦ ᐱᓇᓱᖃᑦᓯᐊᖏᓚᕿᔪᑦ ᐱᓇᓱᕐᑦ ᐃᓚᖏᑦ ᐱᒍᓐᓇᓯᐊᕈᑕᐅᒋᐊᖃᕐᒪᑕ ᐃᓄᐃᓪᓗ ᐱᒍᓐᓇᓯᐊᕐᑐᑕᖃᑦᓯᐊᕋᑎᒃ. ᐱᒍᓐᓇᓯᐊᕐᑐᑦ ᐱᓇᓱᑦᑏᑦ ᖃᓪᓗᓈᑦ ᑯᐯᒻᒥᐅᑦ ᐱᓇᓱᒋᐊᕐᑐᓯᒪᕝᓪᓗᓲᒍᒻᒪᑕ (Benoît, 2004; Blais, 2013).

ᑕᒣᑦᑎᓗᒍ, ᐱᒋᐅᕐᓴᑎᑕᐅᓂᖃᓇᐊᖃᕐᐳᑦ ᐃᓄᐃᑦ ᐅᓄᕐᓂᐹᒍᓯᐊᕐᑐᓂᒃ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᐱᓇᓱᖃᕐᑯᑦᓱᒋᑦ. ᓄᓇᕕᒻᒥᒃ ᐸᕐᓗᕈᑎᒃ ᑐᑭᓯᓇᕐᑐᑕᖃᕐᐳᖅ ᓇᓪᓕᖏᓪᓘᓃᑦ ᐃᓕᓐᓂᐊᑎᑦᓯᕕᑦ ᓄᓇᕕᒻᒥ ᐃᓕᓴᕕᐅᓲᒍᖏᑑᒋᐊᖏᑦᑕ ᓄᓇᒥᒃ ᖃᐅᔨᓴᕈᓐᓇᓂᕐᒥᒃ ᐅᑯᓐᓘᓐᓃᑦ ᐅᔭᕋᕐᓂᐊᓂᓕᓇᓂᕐᒥᒃ ᓄᓇᕕᒻᒥᐅᓂᒃ ᐃᓕᓴᕕᑦᓴᓂᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᓂᒥᒃ ᐱᓇᓱᖃᕐᑖᕈᓐᓇᐅᑎᒋᒍᓐᓇᑕᖏᓐᓂᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᓂᓗ ᐱᓇᓱᑦᑕᐅᔪᓂᒃ ᐱᓇᓱᒍᓐᓇᐅᑎᒋᒐᔭᕐᑕᖏᓐᓂᒃ (ᑲᑎᕕᒃ ᓄᓇᓕᓕᒫᑦ ᑲᑭᒪᖓ ᐊᒻᒪᓗ ᒪᑭᕝᕕᑯᑦ, 2010).

ᐱᓇᓱᑦᑏᑦ ᓄᕐᕐᓇᑲᑦᑕᑐᒻᒪᓇᐅᓲᑦ. 350 ᐅᖓᑖᓄᕐᑐᑦ ᐃᓄᐃᑦ ᐱᓇᓱᑦᑏᑦ ᐱᓇᓱᑦᑎᐅᓯᒪᕗᑦ ᖽᒃᓚᒻᒥ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᐅᒃᑯᐃᑕᐅᓂᕕᓂᖓᓂᑦ 1998-ᒥ ᐱᔭᕇᕐᓂᖓᓄᑦ ᖃᐅᔨᓴᕐᓂᖓᑕ Benoît (2004). ᐊᑦᔨᑏᖏᑦ ᐱᑦᔪᑎᐅᔪᑦ ᒪᓂᔭᐅᓯᒪᔪᑦ, ᐃᒪᐅᒻᒥᑎᓪᓗᒋᑦ ᓱᖏᐅᑎᒍᓐᓇᖏᓐᓂᖅ ᐱᓇᓱᒋᐊᕐᑐᖃᑦᑕᓇᐊᖃᕐᓂᒧᑦ ᓈᒻᒪᓈᕐᑕᓗᓂ, ᓇᕐᕈᒋᔭᐅᕝᓛᓂᕋᕐᓂᖓᓗ ᐃᓄᐃᑦ, ᐊᒻᒪᓗ ᐅᐃᓇᓯᒪᓂᕐᒨᓕᖓᔪᑦ.

ᐊᒻᒪᓗ, ᐃᓄᐃᑦ ᐱᓇᓱᖃᖃᑦᑕᖏᒻᒪᑕ ᐊᑭᓕᕐᑐᑕᐅᒍᑎᑦᓯᐊᒍᓂᕐᐹᓂᒃ. ᑐᓴᕐᑎᓯᔪᕕᓂᖅ ᐃᓄᐃᑦ ᐱᓇᓱᖃᓲᒍᓂᕐᐸᐅᓂᖏᓐᓂᒃ ᖃᓪᓗᑎᓐᓂᐊᑎᐅᓂᕐᒥᒃ, ᓯᕐᑯᒥᓯᒪᔪᕐᓂᐊᑎᐅᓂᕐᒥᒃ, ᐃᒐᓕᒻᒥ ᐃᑲᔪᕐᑎᐅᓂᕐᒥᒃ ᐊᒻᒪᓗ ᑭᐅᔨᐅᓂᕐᒥᒃ.

ᐃᓱᒫᓗᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᑲᔪᓯᑎᑕᐅᕐᑯᔨᒐᔭᕐᑐᑦ ᖃᐅᔨᒪᑎᑦᓯᒍᑎᑦᓴᓂᒃ ᐃᓄᐃᑦ ᐱᒋᐅᕐᓴᑎᑕᐅᒍᑎᑦᓴᖏᓐᓂᒃ, ᐱᓇᓱᒐᑦᓴᓇᒍᓐᓇᑕᖏᓐᓂᒃ, ᐱᓇᓱᕝᕕᕐᑯᑎᒋᒍᓐᓇᑕᖏᓐᓂᓗ ᒪᑯᑎᒍᓇ: ᐱᒋᐅᕐᓴᑎᑦᓯᒍᑎᑦᓴᑦ ᐱᓇᓱᑦᑕᐅᓂᖓᒍᑦ, ᐱᓇᓱᑦᑏᑦ ᐃᑲᔪᕐᓯᒪᔭᐅᒍᑎᖏᑎᒍᑦ, ᐱᓇᓱᑦᑕᐅᓂᖓᒍᑦ ᐃᓕᕐᑯᓯᕐᑲᑎᑮᒍᓐᓂᓗᓂ ᐃᓅᖃᑎᑮᒍᓐᓇᓂᐅᑉ, ᓄᓇᕕᒻᒥ ᓄᓇᓕᓐᓂ ᑐᓴᐅᒪᒐᑦᓴᑦ ᓯᐊᒻᒪᑎᑕᐅᓂᖓᒍᑦ ᐱᓇᓱᑦᓴᐅᒍᓐᓇᑐᑦ ᐱᓪᓗᒋᑦ, ᐊᓯᖏᓪᓗ.

6.4. ᓱᕐᖤᓯᒪᓂᖓ ᑮᓇᐅᔭᑦ ᐅᑎᕐᑕᐅᒍᑎᐅᖅᑲᑦᑕᑐᑦ ᐊᒡᒍᑕᐅᓂᓇᖅᑲᑦᑕᑕᖏᑦᑕ

ᒪᓕᑦᓱᒍ IBA, ᓄᓇᓖᑦ ᑐᑭᑖᓲᑦ, ᐊᑕᐅᓯᐅᑦᑎᓱᑎᒃ ᑲᑐᑦᔨᓱᑎᓘᓐᓃᑦ, ᖃᓄᖅ ᑮᓇᐅᔭᑦ ᐅᑎᕐᑕᐅᒍᑏᑦ ᐊᒡᒍᑕᐅᓂᐊᕐᒪᖔᑕ (Rodon *et al.*). ᖁᒃᓚᓐᒥᒃ ᐊᖏᕐᑲᑎᕐᑲᕐᓯᒪᒐᒥᒃ, ᓴᓪᓗᒥᐅᑦ ᑲᖏᕐᓱᔪᐊᕐᒥᐅᓗ ᐱᕙᓪᓕᕐᑯᑎᑖᕐᑕᓂᕐᐸᐅᓲᒍᕗᑦ.[9] ᓴᓪᓗᓂ, ᐊᑕᐅᓯᐅᑦᑎᑐᓘᓕᖓᕙᓪᓗᑐᓂᒃ ᑮᓇᐅᔭᓂᒃ ᐅᑎᕐᑎᓯᕕᐅᓲᑦ, ᑲᖏᕐᓱᔪᐊᒥᓪᓗ ᓄᓇᓕᒻᒥ ᐱᓇᓱᑦᑕᐅᔪᑦᓴᓘᓕᖓᕙᓪᓗᑎᑦᓱᑎᓪᓗᒋᑦ ᐊᒥᐊᒃᑯᖏᑦ ᐊᑕᐅᓯᐅᑦᑎᑐᓘᕐᓗᐊᕐᓱᒋᑦ (Blais, 2013). ᑮᓇᐅᔭᑦ ᐅᑎᕐᑕᐅᒍᑏᑦ ᐊᒡᒍᑕᐅᓂᓇᓲᖓ ᐱᒻᒪᓇᐊᓗᒃ. ᑐᖁᓐᓇᑐᒃᑯᑦ ᐊᑕᐅᓯᐅᑦᑎᑐᑦ ᐅᑎᕐᑕᐅᖃᑦᑕᓂᖓ ᐱᕙᓪᓕᕐᑯᑎᒋᔭᐅᕙᓪᓕᐊᓯᒍᓐᓇᑑᒐᓗᐊᖅ ᑮᓇᐅᑦᔭᓴᓗᐊᖅᖏᑐᓄᑦ ᐃᓚᒋᓄᑦ ᕿᓪᓚᑐᐃᒍᑎᑦᓴᐅᒍᓐᓇᓱᑎᓪᓗ ᐃᓄᐃᑦ ᐱᕐᖁᓯᑐᖃᖓᑎᒍᑦ ᓱᓇᓱᐊᕐᑎᓯᒍᑎᑦᓴᓂᒃ, ᐃᓚᖏᑎᒍᑦ ᑕᒪᒃᑯᐊ ᐱᕙᓪᓕᕐᑯᑎᑦᓴᑦ ᓱᕐᖤᓂᖏᑦ ᐊᑦᔨᑮᖅᖏᑑᕙᑦᑐᑦ, ᐃᓚᖓᒍᓪᓗ ᓱᕐᖤᓂᖃᑦᓯᐊᓲᒍᒻᒥᒐᑎᒃ. (Blais, 2013). ᐃᓄᐃᑦ ᐃᓚᖏᑦ ᐅᖃᕐᓯᒪᒻᒥᔪᑦ ᑮᓇᐅᔭᑦ ᐅᑎᕐᑕᐅᒍᑏᑦ ᑐᖁᓐᓇᑐᒥᒃ ᐊᑕᐅᓯᐅᑦᑎᑐᓘᕐᑕᐅᒐᒥᒃ ᐋᖓᔾᓐᓇᑐᕐᑐᓂᕐᒥᒃ ᐃᒥᐊᓗᖃᑦᑕᓂᕐᒥᓗ ᓱᒐᓗᓕᐅᒥᒍᑕᐅᑐᐃᓐᓇᖃᑦᑕᓇᐊᖏᓐᓂᒃ. ᐱᓇᓱᒋᐊᕐᑐᖏᑦᑑᖃᑦᑕᓂᖅ ᐃᒥᐊᓗᓗᐊᖃᑦᑕᓂᕐᒧᑦ ᓄᓇᓕᐅᓪᓗ ᓯᓚᑖᓄᑦ ᐊᕐᕕᑕᓗᑭᑦᓂᓴᐅᖃᑦᑕᓂᕐᒧᑦ ᐱᓐᖓᓗᑕᓇᔭᐅᕙᓪᓕᕐᒥᔪᖅ ᓄᓇᓖᑦ ᐃᓄᒋᐊᑦᑑᖏᓐᓂᖏᓐᓄᑦ, ᓱᕐᖤᓂᖃᕐᒥᓱᑎᒃ, ᐊᓯᖏᑦ ᓱᕐᕋᑕᐅᒐᓗᐊᕐᒥᑎᓪᓗᒋᑦ, ᐱᒍᑦᔨᐅᑎᓂᒃ ᐅᑦᑑᑎᒋᑦᓱᒍ ᕐᑯᕝᕕᓂᐊᕐᑕᐅᓂᖅ. ᕐᑯᑉᐹᒍᑦᑕᐅᖅ Rodon *et al.* ᐅᖃᕐᓯᒪᒻᒥᔪᑦ ᑮᓇᐅᔭᑦ ᐅᑎᕐᑕᐅᒍᑏᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᓂᕋᕐᓱᒋᑦ ᓄᓇᓕᒻᒧᑦ, ᓴᓇᔭᐅᖃᑦᑕᓂᖏᓐᓄᑦ ᐅᐃᒪᓇᕐᓯᔪᖃᕐᐸᑦ ᐅᐸᒐᑦᓴᑦ ᐃᓪᓗᐊᑏᑦ ᐊᕐᕕᓯᐅᕐᓂᓗ ᐊᓯᓃᒥᐊᕐᑐᕕᑦᓴᓂᒃ ᑕᒪᓐᓇ ᓄᓇᓕᐅᑉ ᓯᓚᑖᓃᑦᑐᓂᒃ ᐊᑦᑕᓇᕐᑐᒧᕐᓯᒐᓕᒍᑎᑦᓯᐊᒍᒻᒪᑦ. ᓄᐃᑦᓯᒍᑕᐅᒍᓐᓇᒥᑦᓱᑎᓪᓗ ᑮᓇᐅᔭᑦ ᐱᓇᓱᒐᑦᓴᓂᒃ ᓇᒻᒥᓂᓇᔭᐅᔪᓂᒃ ᓴᓇᒍᑎᑦᓴᐅᒍᓐᓇᓱᑎᓪᓗ ᐃᕐᕋᓕᓴᕐᕕᓂᒃ, ᐳᐃᑦᔪᕋᕐᕕᓂᒃ ᓄᓇᒃᑰᔪᕐᑲᐅᑎᓂᒃ ᐊᓯᖏᓐᓂᓗ.

ᐃᓱᒫᓘᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᐅᐸᐱᓇᔭᕐᑲᕐᐳᑦ ᐃᐸᐱᒋᔭᐅᑦᓯᐊᓇᐊᕐᑲᕐᓂᖓᓂᒃ ᑮᓇᐅᔭᑦ ᐁᑦᑐᑑᑕᐅᓂᓇᓲᖏᑦᑕ (ᐊᑕᐅᓯᐅᑦᑎᑐᓄᑦ ᐊᒥᓲᓈᕐᑎᑐᓄᓪᓘᓃᑦ) ᐱᑦᓯᐊᖏᑦᑐᑯᑦ ᓱᕐᕋᑕᐅᖅᖏᓂᕐᓴᐅᕐᑯᑦᓱᒋᑦ ᐅᔭᕋᕐᓂᐊᓂᐅᑉ ᐱᕙᓪᓕᐊᔭᐅᓂᖓᓄᑦ ᐱᑦᓯᐊᑐᒃᑯᑦ ᐱᕙᓪᓕᕐᑯᑎᖃᕐᓂᓴᐅᕐᑯᑦᓱᒋᑦ.

[9] ᑕᑯᑦᓱᒋᑦ Blais (2013),, ᖁᒃᓚᒻᒥᒃ ᐊᖏᕐᑲᑎᑮᒍᑎᕐᑲᕐᓯᒪᒍᑏᑦ ᐅᕐᑲᐅᓯᕐᑕᕐᑲᕐᐳᑦ 4.5%-ᖏᑦ ᐅᔭᕋᕐᓂᐊᓂᕐᓄᑦ ᕐᑳᖏᕐᓂᑯᑭᑏᑦ ᐃᒣᓕᖓᑎᓪᓗᒋᑦ ᐊᒡᒍᑕᐅᓂᖃᓇᐊᕐᑲᕐᑎᓗᒋᑦ: 45% ᓴᓪᓗᓄᑦ, 30% ᑲᖏᕐᓱᐊᓗᑦᔪᐊᒧᑦ ᐊᒻᒪᓗ 25% ᐊᓯᖏᓐᓄᑦ ᓄᓇᕕᒻᑮᑐᓄᑦ.

7. ᓱᕐᕋᑕᐅᓯᒪᐅᑎᖏᑦ ᓄᓇᕕᒻᒥᐅᑦ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ

ᑕᑯᑦᓱᒋᑦ ᖃᐅᔨᓴᐅᑎᐅᓯᒪᔪᑦ INSPQ (2013), ᐊᓪᓚᓯᒪᔪᕐᑕᖃᑦᓯᐊᐳᑦ ᖃᐅᔨᓴᐅᑎᕕᓂᕐᓂᒃ ᓱᒃᑯᑕᐅᓯᒪᓂᖏᓐᓂᒃ ᐃᒪᐅᑉ ᖄᖓᑕ, ᐃᒪᐅᑉ ᐃᕐᖃᖓᑕ, ᐃᑦᔫᑉ, ᐊᓂᕐᑎᓇᔭᑦᑕ ᐊᒻᒪᓗ ᐱᑭᕐᑐᑦ ᐆᒪᔪᐃᓪᓗ ᐊᑦᔨᒌᖕᖏᑐᓄᑦ ᑭᓈᓂᕐᓗᓄᑦ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᑦ. ᓄᓇᓖᑦ ᑕᒐ ᐅᔭᕋᕐᓂᐊᕖᑦ ᓴᓂᐊᓃᑦᑐᑦ ᓱᒃᑯᓇᕐᑐᑖᕐᓂᐅᔭᕐᑭᑐᐃᓐᓇᓇᐊᖃᕐᐳᑦ ᐊᑦᔨᒌᖕᖏᑐᑎᒍᑦ ᓇᓪᓕᐊᒍᑐᐃᓐᓇᖅ ᓯᑦᓯᑐᕐᑕᐅᓯᒪᔪᓂᑦ. ᓱᒃᑯᓇᕐᑐᑖᕐᓯᒪᓪᓗᐊᖏᑐᐃᓐᓇᓇᐊᓖᑦ ᐃᓅᒍᓯᖏᑦ ᒪᓕᑦᓱᒋᑦ ᑎᒥᒻᒪᑦ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᑯᓪᓗ ᐊᑦᑐᑕᐅᓂᐅᔭᕐᑭᖕᖏᓚᑦ. ᑎᒥᒃᑯᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᒥᑦᓱᑎᒃ, ᐃᓱᒪᒃᑯᑦ ᐃᓅᓱᒃᑯᓗ ᓱᕐᕋᑕᐅᑐᐃᓐᓇᓇᐊᖃᕐᒥᔪᑦ ᐊᓱᑦᔨᓂᖓᓄᑦ ᐱᐅᓯᑐᐃᓐᓇᑯᑦ ᐊᒻᒪᓗ ᐃᓄᐃᑦ ᓇᔪᕐᑕᖓᓄᑦ (INSPQ, 2013).

ᑕᑯᓚᖓᒻᒥᔭᓯ ᕿᒥᕐᕈᕈᑎᕕᓃᑦ ᖃᐅᔨᔭᐅᓯᒪᔪᓂᒃ INSPQ’s (2013) ᖃᐅᔨᓴᕐᑐᓄᑦ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᐅᑉ ᓱᕐᕋᑕᐅᓂᓇᒍᓐᓇᑕᖏᓐᓂᒃ ᐃᓄᐃᑦ. ᖃᐅᔨᓴᕐᑐᑦ INSPQ ᕿᒥᕐᕈᓯᒪᕗᑦ ᖃᓂᒻᒪᓲᑦ ᖃᓄᖅ ᐃᕐᐸᕈᓐᓇᓂᖏᓐᓂᒃ ᑕᑯᒍᓐᓇᑕᑦᓯᓂᒃ ᖃᐅᔨᓴᐅᑎᕕᓂᕐᓂ ᐊᓪᓚᓯᒪᑦᓱᑎᓪᓗ ᐊᒻᒪᓗ ᖃᐅᔨᓴᕐᓯᒪᑦᓱᑎᒃ ᑐᕐᑯᓐᓇᑐᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᓂᖏᓐᓂᒃ ᑐᖕᖓᕕᖃᕐᓱᑎᒃ ᓱᕐᕋᑕᐅᑐᐃᓐᓇᓇᐊᖃᕋᔭᕐᑐᓂᒃ ᓱᒃᑯᓇᕐᑐᓄᑦ (radiological) ᓄᐊᑕᔫᓄᓪᓗ ᐱᖕᒍᑎᑕᐅᓯᒪᔪᓄᑦ (chemical) ᐊᓯᖏᓐᓄᓗ ᓱᕐᕋᑕᐅᕕᐅᒍᓐᓇᑐᓄᑦ. ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᐃᓱᒫᓘᑕᐅᔪᑦ ᓇᓗᓐᕐᑕᐅᓯᒪᕗᑦ ᑭᑎᑦᓯᒍᑎᑕᖃᕐᓱᑎᓪᓗ ᖃᐅᔨᔭᐅᓯᒪᔪᓂᒃ ᐃᓄᐃᑦ ᓄᓇᖏᓐᓂ ᓄᓇᕕᒻᒥᐅᓄᑦ ᐃᓱᒫᓘᑎᒋᔭᐅᒋᐊᓪᓚᓯᒪᔪᓂᒃ. ᖃᐅᔨᒪᑎᑦᓯᒍᑕᐅᑦᓯᐊᓇᐊᓂᒃ ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᐊᒻᒪᓗ ᐃᓄᐃᑦ ᖃᐅᔨᒪᔭᕐᖃᖏᑦ ᐊᑯᑎᒎᓂᖓᔪᓂᒃ ᐱᑦᓯᐊᓯᒪᒋᐊᖃᕐᓂᑯᑦ ᐊᑦᔨᒋᔭᐅᖕᖏᑑᓂᖃᕐᒪᑕ ᐊᓯᖏᓐᓂᒃ ᖃᐅᔨᓴᐅᑎᐅᓯᒪᔪᓂᑦ ᖃᐅᔨᒪᔭᐅᒋᐊᖃᕐᓱᑎᓪᓗ ᓱᓕᑦᓯᐊᓱᑎᒃ ᑐᑭᓯᒪᐅᑎᑦᓴᐅᒪᑕ (Wenzel, 1999).

ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᑦ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᑎᓄᑦ ᐊᓪᓚᑕᐅᓯᒪᑦᓯᐊᒪᑕ, ᖃᐅᔨᓴᕐᑐᑦ INSPQ ᖃᐅᔨᓴᕐᓯᒪᕗᑦ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᐃᓄᓐᓄᑦ. ᐱᓇᓱᑦᑏᑦ ᓴᐳᒻᒥᔭᐅᓯᒪᒋᐊᖃᕐᓂᖏᑦ ᐃᓕᒃᑰᓯᑎᒃ ᐊᓪᓚᑕᐅᓯᒪᒻᒥᔪᑦ ᑖᒃᑯᓇᓂ ᓄᓪᓕᑎᕐᓯᒪᔪᓂ.

7.1. ᖃᓂᒻᒪᓲᑦ ᖃᓄᖅ ᐃᕐᐸᕈᓐᓇᓂᖏᓐᓂᒃ ᖃᐅᔨᓴᕐᓂᖅ

ᖃᐅᔨᓴᕐᑐᕕᓃᑦ INSPQ (2013) ᖃᐅᔨᓴᕐᓯᒪᕗᑦ ᖁᓕᓐᓂᒃ ᖃᓂᒻᒪᓲᑦ ᖃᓄᖅ ᐃᕐᐸᒍᓐᓇᓂᖏᓐᓂᒃ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᒃ ᖃᓂᑕᖃᕐᑐᒦᑦᑐᓂᒃ. ᑕᒃᑯᐊᑕᒐ ᖃᐅᔨᓴᐅᑎᐅᓯᒪᔪᑦ ᐃᓚᖏᑦ:

- *ᑲᒻᒍᑏᑦ ᐃᓅᒍᓐᓄᑭᑕᐅᕝᕕᓐᓂᖏᓐᓄᑦ, ᐊᒥᓱᑦ-ᖃᐅᔨᓴᑭᑕᐅᓯᒪᔪᑦ ᑲᒻᒍᑎᓂᒃ ᖁᓕᓪᓗ ᐱᖓᓱᓪᓗᓂᒃ ᐊᑦᔨᒌᖕᖏᑐᓂᒃ:*

    - *ᐳᕝᑯᑦ ᑲᒻᒍᑎᖃᕐᓂᖅ ᐱᓪᓗᒍ, ᓱᕐᕐᑯᐃᓯᒍᑎᑦᓴᖃᑦᓯᐊᓚᐅᔪᔪᒍᑦ [ᐃᓅᒍᓐᓄᓂᒃᑯᑦ] ᐳᕝᑯᑦ ᑲᒻᒍᑎᑖᑭᑕᐅᒋᐊᓪᓚᑭᑕᐅᓂᐅᔭᖕᖏᓂᖓᓂᒃ ᐊᕐᓇᓄᑦ; ᐊᖕᒍᑏᓪᓗ, ᐳᕝᑯᑦ ᑲᒻᒍᑎᑖᕐᓂᐅᔭᕐᓂᓴᐅᓐᓂᕐᑯᑦ [ᐃᓅᒍᓐᓄᓂᒃᑯᑦ] ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᐱᓇᓱᑦᓯᒪᓂᕐᒨᑐᐃᓐᓇᓇᐊᓕᒻᒥᒃ.*

    - *ᐊᐅᒃᑯᑦ ᑲᒻᒍᑎᖃᕐᓂᖅ, ᐃᓅᒍᓐᓄᑭᑕᐅᓂᐊᖕᖒᑭᑕᐅᓂᖓ ᐳᕐᑐᓯᐅᒥᓯᒪᔪᕕᓂᖅᖅ.*

- ᐊᓯᖏᓪᓗ ᖁᓕᓪᓗ ᐊᑕᐅᓯᖅᓗᐃᑦ ᑲᒡᒍᑏᑦ ᐊᑦᔨᒌᖕᖏᑐᑦ, ᐃᓄᒍᓐᓂᕈᑕᐅᓂᐊᖕᖕᒎᕈᑕᐅᓂᖓ ᐳᖅᑐᓯᐅᒥᓯᒪᔪᕕᓂᐅᖕᖕᒋᑐᖅ, ᐅᑯᑯᓘᓐᓃᑦ ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᓱᖅᑯᐃᓯᒍᑕᐅᑦᓯᐊᓂᖕᖕᒋᑐᑦ.

- ᑲᒡᒍᑎᖃᖅᓯᒪᔪᑦ, ᖃᐅᔨᓵᕕᓃᑦ ᐱᔭᐅᓯᒪᔪᑦ ᖃᐅᔨᓴᖅᓂᒥᑦ ᐊᑕᐅᓯᖅᒥᑦ, ᐊᑕᐅᓯᑐᐃᓐᓂᑦ ᑭᑎᑦᔪᑎᑎᒍᑦ ᖃᐅᔨᓴᐅᑏᑦ ᑐᑭᓯᒍᑕᐅᓪᓚᓇᑦᑐᕕᓂᐅᑎᓪᓗᒋᑦ: ᐳᑯᒃᑯᑦ ᑲᒡᒍᑎᖃᖅᓂᖓ ᐊᖕᒍᑏᑦ, ᐃᓄᒍᓐᓂᕈᑕᐅᓂᕕᓂᖓ ᐳᑯᒃᑯᑦ ᑲᒡᒍᑎᖃᖅᓂᐅᑉ ᑐᑭᓯᑦᓯᐊᕈᑎᒋᒡᒥᓯᒍ. Ukrainian-ᒥ ᖃᐅᔨᓴᐅᑎᐅᖅᖃᒦᑦ ᑕᑯᑦᓯᒋᑦ ᑐᑭᓯᒍᑎᑦᓴᐅᕗᑦ ᑭᑎᑦᓯᒍᑎᑎᒍᑦ ᐳᖅᑐᓂᖅᓴᐅᓂᖕᖓᓂᒃ ᑲᒡᒍᑎᑖᓇᔭᐅᑯᑦᑐ ᐃᓚᖕᒋᑦᑕ, ᑖᒃᑯᓂᖕᖓ ᐊᒡᓚᑐᕕᓂᖅᓄᑦ ᐅᒣᓚᖕᑭᒍᓇᐅᔪᓇᔭᐅᑦᓯᑎᒃ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᕕᒡᒥ ᐱᓇᓯᑦᑏᑦ ᖃᐅᔨᓴᖅᑕᐅᓯᑎᒃ ᖃᐅᔨᔭᐅᑦᓴᐅᑎᒋᔪᕕᓂᐅᓂᖕᒋᓐᓄᑦ ᐅᑯᑯᓘᓐᓃᑦ ᒪᓕᒐᖃᖅᓂᖕᒋᓐᓄᑦ ᓱᒃᑯᓇᖅᑐᖃᓪᓗᐊᑐᓕᒋᐊᖃᖅᓂᒍᑦ Soviet Union-ᒍᖃᑦᑕᓯᒪᔪᒥ .

- ᑲᒡᒍᑎᖃᖅᓂᒎᖕᖕᒋᑐᖅ ᐃᓄᒍᓐᓂᐅᑯᑦᑐᑦ, ᑭᑎᑦᓯᒍᑎᑎᒍᑦ ᑐᑭᓯᓇᑦᓯᐊᑐᕕᓃᑦ ᐅᓄᖅᑐᒪᓇᐅᓂᖕᒋᑦ ᐳᑯᓪᓗᓂᖅᒍᑦ, ᐊᖅᑯᓇᖅᓂᓄᑦ ᓄᓇᑰᔫᒃᑰᖕᒋᑦᑐᖅ, ᐃᓄᓯᖅᒥᓂᓪᓗ ᑭᐱᓯᓯᒪᓂᖕᒋᓐᓄᑦ ᐊᖕᒍᑏᑦ. ᑭᓯᐊᓂᓚ, ᓱᖅᑯᐃᓯᑦᓯᐊᕈᓐᓇᐅᑎᐅᒍᓐᓇᓂᖕᖕᒋᓚᑦ ᐅᔭᕋᖅᓂᐊᕕᐅᑉ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᓴᓂᐊᓃᓐᓂᒥᓄᑦ ᐃᓄᒍᓐᓂᐸᒪᖕᒦᑕ ᑲᒡᒍᑎᐅᖕᖕᒋᑐᓄᑦ.

- ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᒪᖕᕈᐃᑦ ᑕᑯᑦᓯᒋᑦ ᐃᒫᖕᕋᓇᐊᕈᑎᐅᖃᑦᑕᓂᖅᖅᑯᑦ ᓯᕗᓕᑦᑎᓂᑦ ᐱᓯᒪᔪᖅ ᑎᒥᑦᑕ ᐃᓕᑕᖕᓇᐅᑎᖕᒐᑕ (DNA) ᒪᒥᑉᐸᓕᐊᑦᓯᐊᖃᑦᑕᖕᒋᓐᓂᖕᒐᓂᒃ ᐊᒡᒪᓗ ᐱᐊᕋᑦᓴᓖᑦ ᐱᕈᔨᐊᖃᑦᓯᐊᖕᒋᓐᓂᓴᐅᓂᓇᕐᓕᖕᑕᖕᒋᓐᓂᒃ, ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᓱᓇᒥᑦᓯᐊᓂᖕᖕᒋᓇᒥᒃ ᖃᐅᔨᑦᓯᐊᕈᑎᐅᓐᓂᖕᒋᒡᒥᔪᑦ.

ᑕᑯᑦᓯᒋᑦ ATSDR (2013; 2013b), ᓇᓗᓇᖕᖕᒋᓚᖅ ᑲᒃᑲᓛᑦ ᐱᐊᓄᑦ ᓱᕋᑕᐅᒍᓐᓇᓂᕐᓴᐅᒪᖕᒦᑕ ᐃᓄᒡᒪᓇᓐᓂᑦ ᓄᖕᒍᔪᐃᑦᑐᒧᑦ. ᐱᓗᐊᕐᑐᖅ, ᖃᐅᔨᒪᔭᐅᖕᖕᒋᒪᑦ ᓄᖕᒍᔪᐃᑦᑐᒧᑦ ᐱᐅᓯᕐᓗᓕᓈᕐᓯᑎᒃ ᐃᓄᓕᕐᑐᖃᕐᓯᒪᒪᖕᒦᑦ. ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᐃᓚᖕᒋᑦ ᖃᐅᔨᒪᒍᑎᐅᕗᑦ ᓄᖕᒍᔪᐃᑦᑐᒧᑦ (depleted uranium) ᐱᐅᓯᕐᓗᓕᓈᕐᓯᑎᒃ ᐃᓄᓕᕐᑐᑦ ᐅᓄᕐᓂᓴᐅᖃᑦᑕᓕᕐᓂᖕᒋᓐᓂᒃ, ᑭᓯᐊᓂ ᓱᕋᐃᓯᒍᑎᐅᓯᒪᑦᓯᐊᑐᓂᒃ ᖃᐅᔨᓴᐅᑎᕕᓂᖃᖅᖅᒋᑐᖅ ᑐᑭᓯᒍᑎᑦᓴᓯᐊᓂᒃ ᐃᓄᓐᓄᓕᖕᒐᔪᓂᒃ.

ᐃᓱᒪᓄᑎᐅᔪᑦ ᐃᒫᖕᕋᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒡᒥ ᓴᐳᑦᔨᑦ ᖃᐅᔨᓴᓇᐊᓪᓚᓂᐅᒋᐊᓕᒡᒥᒃ ᐊᓪᓚᑕᐅᑦᓯᐊᖃᑦᑕᕐᑯᑦᓯᒋᑦ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᓱᕋᑕᐅᒍᑎᐅᒍᓐᓇᑦ ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᕋᑦᓴᓯᐅᕐᑐᖃᕐᓂᐊᐸᑦ ᐅᔭᕋᖅᓂᐊᑐᖃᕐᓂᐊᐸᓪᓗ. ᑭᓯᐊᓂ ᑕᒪᒃᑯᐊ ᖃᐅᔨᓴᕐᓃᑦ ᓄᓇᕕᒡᒥ ᐊᑑᑎᓚᓯᐊᓇᐊᒥᒃ ᐃᓱᐃᑦᑐᒪᓇᐅᓚᔭᕐᑐᑦ. ᐃᓄᒋᐊᑦᑑᖅᓇᒥ, ᐃᓱᐃᑦᑑᓚᔭᒪᑦ, ᖃᐅᔨᓴᕐᕕᐅᒍᓐᓇᕋᔭᖅᖅᒋᒪᑦ, ᐊᓪᓚᕐᑎᓕᐅᕐᕕᐅᓚᓱᐊᕐᓗᓂ ᑭᑎᑕᐅᓯᒪᐅᑎᖅᒋᓐᓂᒃ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᑦ ᐅᓄᕐᓯᒋᐊᕐᓯᒪᓕᕐᒪᖕᒦᑕ.

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒡᒥ ᐃᓱᒪᒋᔭᐅᒋᐊᖃᕐᑐᓇᑦᓯᕗᑦ ᑲᒃᑲᓛᑦ ᐱᐊᓄᑦ ᓱᕋᑕᐅᓂᐅᔭᕋᔭᕐᓂᖕᒐᓂᒃ ᓄᖕᒍᔪᐃᑦᑐᒧᑦ ᖃᐅᔨᓴᕐᑐᖃᓕᕐᑉᑦ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᓱᕋᑕᐅᒍᑎᒋᒍᓐᓇᑕᖕᒋᓐᓂᒃ ᓄᓇᕕᒡᒥᐅᑦ, ᐱᓗᐊᕐᑐᖅ ᐅᓄᕐᑑᒪᑕ ᐅᕕᒃᕿᑦ ᓄᓇᕕᒡᒥᐅᑦ ᐅᓄᕐᓯᑯᓪᓕᐊᓱᑎᓪᓗ ᓱᑲᑦᑐᒥᒃ.

7.2. ᖁᒥᖅᑭᔭᐅᑦᓯᐊᓂᖓ ᑐᖅᑯᓐᓇᑐᖅᑕᖅᑲᑐᐃᓐᓇᓇᐊᖅᑲᖅᓂᖓᑕ ᓱᒃᑯᓇᖅᑐᑕᖅᑲᑐᐃᓐᓇᓇᐊᖅᑲᖅᓂᖓᑕᓗ

INSPQ ᖃᐅᔨᓴᐅᑎᕕᓂᖏᑦ ᑐᖅᑯᓐᓇᑐᖅᑕᖅᑲᑐᐃᓐᓇᓇᐊᖅᑲᖅᓂᖓᓂᒃ ᓱᒃᑯᓇᖅᑐᑕᖅᑲᑐᐃᓐᓇᓇᐊᖅᑲᖅᓂᖓᓂᑦᓗ ᓇᑦᓂᐊᒍᑦ ᖃᓂᑕᖅᑲᖅᑐᕕᓂᐅᔪᖅᑭᓂ

ᖃᐅᔨᓴᖅᑐᕕᓃᑦ INSPQ (2013) ᖁᒥᖅᑭᓯᒪᔾᑦ ᖃᐅᔨᓴᑭᑕᐅᓯᒪᔪᓂᒃ ᐊᑦᑕᓇᖅᓯᒍᑎᐅᒍᓐᓇᑐᑦ ᑭᒥᖅᑭᔭᐅᓯᒪᓂᖅᑭᓐᓂᒃ ᐊᕐᑎᐅᑦᓗ ᓱᒃᑯᑕᐅᓂᓇᒍᓐᓇᑕᖅᓂᒃ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᑐᓄᑦ. ᖃᐅᔨᓯᒪᔭᖅᑭᑦ ᑐᖅᖓᕕᓃᑦ ᖁᒥᖅᑭᔭᐅᓯᒪᓂᖅᑭᓐᓂᒃ 68 ᐊᑐᐊᕋᑦᓴᓕᐊᕕᓃᑦ ᖃᒻᒥᑯᑦ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᓂᖅᓄᓕᖅᖓᔪᑦ, ᐅᑦᑑᑎᒋᑦᓱᒍ 1990 ᑭᖅᒍᓂᖅᖓᓂ.

ᓄᑕᐅᑲᑦᑕᓂᓇᓲᖅᑭᓐᓄᑦ ᓱᒃᑯᓇᖅᑐᑕᓃᑦ (radionuclides, chemicals) ᐅᔭᕋᖅᓂᐊᓂᓕᓇᔪᓂ ᐱᓐᓂᓗᑕᖅᑲᖅᑲᑦᑕᑐᐊᖅᒪᑦ, INSPQ ᖃᐅᔨᓴᖅᑏᑦ ᐃᓱᒪᒋᔭᖅᑲᖅᓯᒪᔾᑦ ᐊᑦᔨᒌᖅᖅᑭᑐᑎᒍᑦ ᐊᕐᑎᐅᑉ ᐊᑦᑐᑕᐅᕕᒋᒍᓐᓇᑕᖅᑭᓐᓂᒃ. ᐊᖅᑯᑎᐅᒍᓐᓇᒪᑕ ᐳᔪᖅᓗᐃᑦ ᐳᔪᓇᓃᓗ (ᓱᒃᑯᓇᖅᑐᑕᖅᑭᑎᒃ ᓱᒃᑯᓇᖅᑐᑕᖅᖅᑭᑯᑎᓪᓗᓃᑦ) ᐊᓂᖅᑎᓇᔭᑦᑎᒍᖅᓗᑎᒃ, ᐃᒪᖅᒥᓗᑎᒃ ᓂᑭᓂᓪᓗ (ᐃᖅᑲᓗᓐᓂ, ᐃᒪᖅᒥᐅᑕᓂ, ᓂᖅᑭᐃᓐᓇᒥ, ᒪᓐᓂᓂ, ᐱᑭᖅᑐᕕᓂᖅᓂᓗ ᓄᓇᒥ ᓇᑦᖅᑐᓂᓪᓗ) ᐊᒻᒪᓗ ᐊᓄᓇᒥᑦ ᓱᒃᑯᓇᖅᑐᓂᑦ (ᐊᕐᑎᒥᑦ ᐊᑦᑐᑕᐅᓂᒃᑯᑦ). ᖃᐅᔨᓴᖅᑕᐅᓯᒪᒻᒪᑕ ᓱᒃᑯᓇᖅᑑᒍᓐᓇᑐᑦ (U-238, Th-232) ᐊᒻᒪᓗ ᐅᐊᑭᑦᓯᐅᑎᐅᓯᒪᓲᑦ (arsenic, barium, cadmium, cobalt, chromium, mercury, molybdenum, lead, selenium and uranium).

INSPQ-ᑯᑦ ᐃᓱᒪᒋᔭᖅᒐᒍᑦ, ᐊᑦᑕᓇᖅᓯᑐᐃᓐᓇᓇᐊᓕᓐᓂᒃ ᖃᐅᔨᓴᖅᓃᑦ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᓂᖅᒎᓕᖅᒐᔪᑦ ᐃᑭᑦᑑᓗᐊᖅᑦ ᐱᔭᕇᖅᑕᐅᓯᒪᓲᒍᒐᑎᓪᓗ. ᐊᒻᒪᓗ, ᐅᔭᕋᖅᓂᐊᕕᒃ ᖃᓄᓪᓗᐊᑎᒋᒃ ᓱᒃᑯᓇᖅᑐᑕᖅᖃᒻᒪᖅᒐᑦ ᓱᖅᑯᐃᓇᑦᓯᐊᓲᒍᖅᖅᒋᒪᑦ, ᓱᒃᑯᓇᖅᑐᑦ ᓇᑭᓪᓕᓇᒃ ᐱᓯᒪᓂᖅᑭᑦ ᑭᑎᑦᓯᒍᑕᐅᓯᒪᔪᓄᑦ ᐃᓚᐅᑎᑕᐅᓲᒍᖅᖅᒋᒪᑕ. ᑭᓯᐊᓂ, ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᐃᑭᑦᑑᑎᓪᓗᒋᑦ, ᖁᒥᖅᑭᑐᑦ ᓇᓗᓐᖅᓯᓯᒪᔾᑦ ᑕᒃᑯᓂᖅᖓ ᖃᐅᔨᔭᐅᓯᒪᔪᓂᒃ:

- *ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᕕᐅᓲᑦ ᓱᒃᑯᓇᖅᑐᑕᖅᑲᖅᓂᓴᐅᓲᑦ (radionuclides) ᐊᓯᖅᑭᓐᓂᓗ ᓱᒃᑯᓇᖅᑐᓂᑦ ᐱᓯᒪᔪᓂᒃ, ᓄᓇᓕᒻᒥᐅᓗ ᓱᒃᑯᓇᖅᑐᑖᓚᖅᑭᓂᖅᓴᐅᑐᐃᓐᓇᓇᐊᖅᑲᖅᓯᑎᒃ ᑕᒪᒃᑯᓇᖅᖅᒐᑦ. ᓱᒃᑯᓇᖅᑐᑖᖅᕕᐅᓂᐅᔭᖅᓂᐸᐅᑎᓪᓗᒋᑦ ᓂᓇᔭᐅᒍᑎᒃ ᐃᖅᑲᓗᐃᑦ ᐃᒪᖅᓯᐅᑏᓪᓗ ᓂᐅᖅᑲᑕᐅᒍᑎᓪᓗ ᓱᒃᑯᓇᖅᑐᑕᓃᑦ (radon).*
- *ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᕕᖅᑲᖅᓂᖅ ᓄᓇᓕᒻᒥᑑᓄᑦ ᓱᒃᑯᓇᖅᑐᑖᖅᑭᐅᑎᐅᓂᖅᓴᐅᒍᓐᓇᐳᖅ.*
- *ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᐃᑭᑦᑐᒪᓇᐅᒐᓗᐊᖅᑎᓗᒋᑦ, ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᓃᑦ ᐃᓄᓐᓂᒃ ᓱᒃᑯᓇᖅᑐᑖᖅᑎᓯᑐᐃᓐᓇᓇᐊᖅᑲᓐᓇᐅᕗᑦ ᐅᖅᒐᑖᓄᓐᓇᖅᒥᒃ (1 mSv[10] and IR[11]>1 values) (ᖃᐅᔨᒪᓇᖅᖅᑑᒐᓗᐊᖅ ᖃᓄᓪᓗᐊᑎᒋᐅᒻᒪᖅᒐᑦ).*
- *ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᑲᑎᖅᓱᑕᐅᓯᒪᔪᑦ ᓱᓇᒥᖅᖅᒋᓗᐊᖅᑐᑦ ᖃᓄᓪᓗᐊᑎᒋ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᓂᖅ ᓱᖅᓄᓂᖅᑲᖅᓯᒪᒻᒪᖅᒐᑦ ᓱᒃᑯᓇᖅᑐᑕᓕᓐᓄᑦ (radionuclides (including radon) and chemical elements. […]) ᖃᐅᔨᓴᐅᑎᕕᓃᑦ ᐃᑭᑦᑑᑎᓪᓗᒋᑦ ᑐᓴᖅᑎᓯᒍᑎᖅᑭᑦ ᑖᒃᑯᓂᖅᖓ ᐊᓪᓚᑐᕕᓃᑦ ᐱᓯᒪᔭᒥᓂᒃ ᖃᐅᔨᓴᖅᑏᑦ ᐊᓪᓚᑕᕕᓂᖅᑭᓐᓂᑦ, ᐅᔭᕋᖅᓂᐊᓂᖅ ᑲᓇᑕᒥ ᓱᒃᑯᓇᖅᑐᑕᖅᑎᓯᖅᑕᐅᓂᖅᖓᓂᒃ (selenium) ᐃᒪᖅᒥ ᐃᖅᑲᓗᓐᓂᓗ ᓱᒃᑯᓇᖅᑐᑕᖅᑲᓕᓈᖅᑐᓂᒃ ᐅᔭᕋᖅᓂᐊᕕᑦ ᐅᖅᒐᓯᒋᔭᖅᖓᓃᑦᑐᑦ 2-ᓂᑦ 15-ᓂᑦ ᑭᓗᒥᑕᓂᒃ ᐅᔭᕋᖅᓂᐊᕕᓐᓂᑦ. Portugal-ᒥ,*

[10] Canadian regulated dose limit for planned exposures (INSPQ, 2013).

[11] Ratio between daily exposure dose and acceptable daily intake. An indicator greater than 1 indicates the possibility of occurrence of toxic effects (http://www.actu-environnement.com/ae/dictionnaire_environnement/definition/indice_de_risque.php4).

ᓱᒃᑯᓇᕐᑐᑕᖃᕐᓂᕋᕐᑕᕕᓂᖅ *(radionuclides)* ᐃᒪᖅ ᐅᖓᓯᓐᓂᓕᒃ 7-ᓂᒃ ᑭᓗᒦᑕᓂᒃ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᑦ.

- *ᑕᑯᒋᐊᕐᓯᒪᓂᐅᑉ ᐃᓱᐊᕐᑑᓂᕐᑕᖓ, ᖃᐅᔨᓴᐅᑎᐅᓯᒪᔪᓂᒃ ᐊᑐᐊᕋᑦᓴᓂᑦ ᑐᑭᓯᑦᓚᓇᓯᒪᔭᕗᖅ: ᓄᓇᓕᓕᒫᓂ ᖃᐅᔨᓴᐅᑎᖃᕐᓯᒪᖅᑭᑐᖅ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᖃᓚᐅᕐᑎᓇᒍ. ᑐᑭᓯᒪᐅᑎᑦᓴᖃᓇᐊᖃᕐᓂᑐᖅ ᐊᑦᑎᐅᑉ ᖃᓄᐃᓕᖓᓂᓇᓯᒪᔭᖓᓂᒃ ᐃᑉᐱᒍᓯᒐᓱᐊᕐᑐᖃᕐᓂᐊᑐᖃᕈᓂ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᖃᓄᐃᓕᖓᓂᖅᑭᓐᓂᒃ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᑦ ᓴᓂᐊᓂᒥᐅᓂᒃ.

ᓱᕐᕋᑕᐅᓯᒪᐅᑎᖏᑦ ᑕᕐᕋᒥᐅᑦ

ᖃᐅᔨᓴᕐᑏᑦ INSPQ-ᑯᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᓂᒃ ᖃᐅᔨᓴᕈᑎᑦᓴᓕᐅᕐᓯᒪᕗᑦ ᓱᓄᑦ ᐊᑦᑐᑕᐅᒍᑎᐅᒍᓐᓇᑐᑦ ᖃᐅᔨᓴᕐᓱᒋᑦ ᓂᓇᒍᓯᒋᔭᐅᔪᓂᑐᐃᓐᓇᐅᖏᑦᑐᖅ (ᐅᑦᑑᑎᒋᑦᓱᒋᑦ ᐃᓄᓐᓄᑦ) (INSPQ, 2014). ᐃᓱᒪᒋᔭᐅᓯᒪᒐᓗᐊᕐᒥᑎᑦᓗᒍ ᑐᒃᑐᕕᓂᐅᑉ ᓂᓇᔭᐅᓲᒍᓂᖓ, ᖃᐅᔨᒪᔭᐅᒋᐊᖃᕐᐳᖅ ᓄᓇᕕᒻᒥᐅᑦ ᐊᓯᖏᓐᓂᒃ ᓂᕿᑐᐃᓐᓇᑐᕐᑐᓲᒍᒻᒥᒪᑕ, ᐊᕿᒻᒋᕕᓂᕐᓂᒃ, ᓂᕐᓕᕕᓂᕐᓂᒃ ᑲᖑᕐᓂᒃ ᐊᓯᖏᓐᓂᓗ ᑎᒻᒥᐊᓂᒃ; ᐃᖃᓗᐸᐱᓂᒃ, ᑲᐱᓯᓕᓐᓂᒃ, ᓵᒪᓂᒃ ᐊᓯᖏᓐᓂᓗ ᐃᖃᓗᕕᓂᕐᓂᒃ; ᓇᑦᓯᕕᓂᕐᓂᒃ, ᕿᓚᓗᒐᕐᓂᒃ, ᐁᕕᕕᓂᕐᓂᒃ ᐊᓯᖏᓐᓂᓗ ᐃᒪᕐᓯᐅᑎᒻᒪᓇᓐᓂᒃ. ᑭᒍᑎᖏᕐᓇᓂᒃ, ᐊᕐᐱᓂᒃ ᐊᓯᖏᓐᓂᓗ ᒥᑭᔪᖕᖑᐊᓂᒃ ᐱᑭᕐᑐᕕᓂᕐᓂᒃ ᓂᓇᓲᒍᒻᒥᒪᑕ (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᑲᑎᒪᔨᑦ, 2014). ᖃᐅᔨᓴᕐᑏᑦ INSPQ-ᑯᑦ ᐊᓪᓚᕐᑯᑎᓕᐅᕐᓯᒪᖅᑭᑐᑦ ᐃᓄᐃᑦ ᑕᒪᒃᑯᓂᖓ ᓂᓇᖃᑦᑕᓂᕐᒥᓄᑦ ᖃᓄᓪᓗᐊᑎᒋᒃ ᑕᒪᑐᒧᖓ ᐊᑦᑐᑕᐅᓂᖃᕐᓯᒪᒻᒪᖔᑕ.

ᐊᕿᑎᒥᑦ ᓱᒃᑯᑕᐅᓐᓇᑐᑦ ᓱᕐᕋᑕᐅᓐᓇᑐᓪᓗ ᑭᑭᐊᑦᓴᔭᓂᑦ ᐊᑯᓂᐊᓗᒃ ᐃᓱᒫᓗᑎᒋᔭᐅᓯᒪᓕᕐᕐᑯᑦ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᐅᑉ ᐊᖓᔪᕐᕐᖀᐅᑎᖏᓐᓄᑦ ᓄᓇᕕᒻᒥᐅᓄᓪᓗ. ᐊᑦᔨᒌᖕᖏᑦ ᓱᒃᑯᓇᕐᑐᑕᓖᑦ ᐅᑦᑑᑎᒋᑦᓱᒋᑦ (mercury and PCBs), ᓂᕿᓄᑐᐃᓐᓇᓇᐊᓖᑦ, ᐆᒪᔪᓄᕐᕐᖃᕈᓐᓇᓱᑎᒃ. ᑭᓯᐊᓂ, ᑕᒪᒃᑯᐊ ᓱᒃᑯᓇᕐᑐᑕᓖᑦ ᐅᐊᕈᑦᓯᓯᒪᓂᓇᓲᖏᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᑦ ᐱᔪᓂᒃ ᓱᒃᑯᓇᕐᑐᑕᓐᓂᒃ ᐊᓪᓚᑕᐅᓯᒪᑦᓯᐊᓲᒍᖅᖏᓚᑦ. ᐅᑦᑑᑎᒋᑦᓱᒋᑦ, ᐊᓪᓚᑕᐅᓯᒪᔪᑦ ᖃᐅᔨᓴᐅᑎᕕᓂᕐᓂ (the Groupe scientifique sur l'eau (scientific group on water, 2003)), ᐊᓯᖏᑦ ᓱᒃᑯᓇᕐᑐᑕᓖᑦ ᓱᕐᓄᓯᒪᓂᓇᓲᖏᑦ ᑐᕐᑯᓐᓇᑐᕐᑕᖃᓲᒍᓂᖓᓂᒃ ᓄᖑᔪᐃᑦᑑᑉ ᐊᓪᓚᕐᑯᑎᓈᕐᑕᐅᓯᒪᖅᖏᒪᑕ, ᐊᓯᖏᓐᓄᑦ ᑭᑭᐊᑦᓴᔭᕐᑕᓐᓄᑦ ᓱᕐᕋᑕᐅᓯᒪᖃᑕᐅᒍᑎᐅᒍᓐᓇᑐᑦ ᑕᕐᑐᑯᑦ (ᐅᑦᑑᑎᒋᑦᓱᒋᑦ lead, cadmium) ᓱᕐᓄᓯᒪᓂᖃᑐᐃᓐᓇᓇᐊᖃᕐᒥᒪᑕ ᑐᕐᑯᓐᓇᑐᕐᑕᖃᕐᓂᑯᑦ.

ᐃᓱᒫᓗᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᖃᐅᔨᒪᔭᐅᑦᓯᐊᕐᑯᔨᕗᑦ ᓇᓗᓄᕐᑕᐅᓯᒪᑦᓯᐊᓇᐊᖃᕐᓂᖅᑭᓐᓂᒃ ᐊᕿᑎᒥᑦ ᐱᔪᑦ ᓱᕐᕿᐅᒐᔭᕐᑐᑦ ᐊᒻᒪᓗ ᓄᓇᕕᒻᒥᐅᑦ ᖃᓄᐃᒻᒪᖔᑕ ᖃᐅᔨᔭᐅᒐᓱᐊᑦᓯᐊᓗᑎᒃ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᖃᓚᐅᕐᑎᓇᒍ. 2016-ᒥ ᓄᓇᕕᒻᒥᐅᑦ ᖃᓄᐃᒻᒪᖔᑕ ᖃᐅᔨᓴᕐᓂᐅᓯᒪᔪᖅ ᖃᐅᔨᒪᕕᑦᓴᐅᒐᔭᕐᕐᑯᖅ ᓄᓇᕕᒻᒥᐅᑦ ᖃᓄᐃᒻᒪᖔᑕ ᓯᕗᓂᕐᒥ ᐱᓇᓱᑦᑕᐅᔪᑦᓴᓄᑦ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᖃᐅᔨᒪᒐᓱᐊᕐᑐᖃᓚᖓᑉᐸᑦ.

ᓄᓇᕕᒻᒥ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᖃᓚᖓᑉᐸᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᒥᑦᓴᐅᓵᕐᑕᐅᓯᒪᒋᐊᖃᕐᑐᓇᑦᓯᕗᑦ ᖃᓄᓪᓗᐊᑎᒋᒃ ᐊᑦᑐᐃᓂᖃᕈᓐᓇᒪᖔᑦ ᐅᑦᑐᕋᐅᑎᖃᕐᓗᑎᐊᓪᓚᑦ ᐃᓄᐃᑦ ᓂᓇᒍᓯᖏᓐᓂᒃ, ᑎᒪ ᖃᐅᔨᓴᕐᑕᐅᓂᖃᑦᓯᐊᓂᐊᓕᕐᒪᑕ ᖃᓄᐃᑦᒪᖔᑕ ᓄᓇᕕᒻᒥᐅᑦ ᐊᒻᒪᓗ ᐊᕿᑎᐅᑉ ᓱᒃᑯᑕᐅᑦᑎᓕᒋᐊᖃᕐᓂᖅᒪᑕ ᐃᑉᐱᒋᔭᐅᒍᑎᑦᓴᖅᑭᓐᓂᒃ ᐱᓇᓱᐊᕐᑕᐅᔪᖃᕐᓂᐊᓕᕐᒪᑦ.

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᑎᖃᕐᐳᑦ ᓱᕐᕋᑕᐅᓂᐅᒐᔭᕐᑐᓂᒃ ᑭᓈᓂᕐᓗᓄᑦ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᑦ ᐊᕿᑎᑦᑎᓈᕐᖃᑐᓄᑦ ᐊᓯᖏᓐᓄᓗ ᓱᒃᑯᑕᐅᓐᓇᑐᓄᑦ ᓄᓇᕕᒻᒥᐅᓄᑦ, ᓯᓚᕐᔪᐊᒥᐅᒍᖃᑎᑦᑎᓂᒃ ᐱᔪᓂᑦ (ᐅᑦᑑᑎᒋᑦᓱᒋᑦ ᒧᑯᔨ, ᐆᓲᐆᑦ, ᐊᓯᖏᓪᓗ), ᒪᕿᓯᐅᑎᓂᓪᓘᓃᑦ

(ᐅᑦᑑᑎᒋᑦᓱᒍ, ᓴᒃᑰᑉ ᐅᖁᒥᓗᑕᑦᓴᔭᖓ) ᐅᑯᑦᓘᓐᓃᑦ ᐱᐅᓯᖁᓇᓯᒪᔭᑦᑎᓂᒃ ᐃᓄᓯᒃᑯᑦ (ᓱᑲᔨᐊᒥᑦ ᐱᔪᒥᑦ cadmium).

7.3. ᓱᖁᑕᐅᓯᒪᓂᖓ ᐃᓄᐃᑦ ᓂᓇᒍᓯᖕᒋᑦᑕ

ᓂᖅᑐᐃᓐᓄᑦ ᐱᒻᒪᓇᐅᓂᖓ

ᓄᓇᕕᒻᒥᐅᑦ ᐃᓄᐃᑦ ᓂᖅᑐᐃᓐᓇᑐᑦᓗᓱᒍᐳᑦ (Blanchet *et al*., 2000; Blanchet and Rochette, 2008). ᓄᓇᕕᒻᒥᐅᑦ ᐊᓯᑦᔨᓂᖁᐊᒦᓚᓗᐊᖁᒥᒃ ᐊᖁᒦᒍᓂ ᐊᓂᒋᖁᐸᑐᓂ, ᒪᖁᓐᓂᒥᒃ ᐃᖃᑦᓕᐊᓂᖁᒥᒃ ᓄᓂᑯᓐᓂᒥᑦᓗ ᐃᓅᓯᖃᖁᑎᒃ ᐊᒥᓱᑎᒍᑦ (INAC, 2009). ᑕᑯᑦᓱᒋᑦ 2004-ᒥ ᖃᓄᐃᑉᐱᑖ ᓚᔭᐅᔪᒥᒃ ᖃᐅᔨᓴᐅᑎᕕᓃᑦ:

- 45%ᖅᒋᑦ ᐃᓄᒻᒪᕆᑦ, ᐊᖑᑏᑦ ᐱᓗᐊᖁᑦ, ᒪᖁᓗᑭᑕᓲᒍᓂᖁᖁᑯᑦ. 54% ᒍᑦᓱᑎᒃ ᐊᖑᑏᑦ 50ᓂᒃ ᐅᑭᐅᓛᑦ ᐊᖓᔪᑦᓲᓐᓃᑦ ᑭᑎᑕᐅᖃᑕᐅᑐᐊᖁᒪᑕ.
- 33%ᖅᒋᑦ ᐃᓄᐃᑦ ᐃᖃᑦᓕᐊᓗᑭᑕᓲᒍᓂᖁᖁᑐᕕᓃᑦ.
- ᐊᑯᑦᓗᐊᑲᔫᖅᒋᑦ ᐃᓄᐃᑦ, ᐊᖁᓐᑦ ᐱᓗᐊᖁᖅ, ᓄᓂᑯᓲᑦ.
- ᓂᖅᑐᐃᓐᓄᑦ ᐱᕕᐅᖃᑦᑕᓂᖅᑯᑦ 16%ᖓᓂᒃ ᑎᒥᒻᒧᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᖁᓇᑐᑦ ᓄᒃᑭᓇᑑᓯᑎᒃ ᐃᓄᑐᖃᐅᓂᖁᑦ ᐃᓚᖅᒋᑦ ᐃᓄᐃᑦ 28%-ᒧᑦ ᑎᑭᑦᑐᓂᒃ ᑎᒥᒻᒧᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᖁᓇᑐᓂᒃ ᓄᒃᑭᓇᑑᓯᑎᒃ ᓂᖅᑐᐃᓐᓇᑐᖁᑕᒥᓂᑦ ᐱᖃᑦᑕᓂᖅᑯᑦ. (Blanchet and Rochette, 2008).

ᑕᒪᒃᑯᐊ ᐊᑑᑎᔭᐅᑯᓗᓲᒍᑯᓗᓚᐅᔪᐳᑦ ᐊᖓᔪᑦᓯᓄᑦ, ᑲᑎᑎᑕᐅᓯᒪᔪᓄᑦ ᐊᖁᒦᒍᑕᒫᑦ ᑮᓇᐅᑦᔭᖁᓯᐊᓂᖁᓄᑦ. ᐅᖃᐅᑕᐅᓯᒪᔪᖅ ᑕᒪᒃᑯᐊ ᐊᑑᑎᔭᐅᖅᖅᒋᓂᖁᖁᓕᓇᐊᖅᒋᑦᑕ 2004-ᒥᓂᑦ ᐊᑭᑐᔫᓂᑯᖅᒋᓐᓄᑦ ᒪᖁᓯᐅᑎᑦᖁᑦ, ᐃᓄᐃᑦ ᐱᐅᓯᑐᖃᖅᒋᓐᓂᒃ ᖃᐅᔨᒪᒍᓐᓄᓯᒪᓂᖁᒍᑦ ᐊᒻᒪᓗ ᐊᑯᑎᑦᑕ ᐊᓯᑦᔨᓯᒪᓂᑯᖓᓄᑦ (ᓯᑯᑦᓱᐊᖁᔪᖁᑐᒍᑦ, ᑐᒃᑐᐃᑦ ᐃᑭᓕᐅᒥᓯᒪᓂᖓᓄᑦ ᐆᒪᔪᐃᓐᓗ ᐊᖁᓯᓂᖁᒥᒍᓲᒍᒍᓐᓄᓂᖅᒋᓐᓄᑦ) (ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᒻᒥᑦ, 2014).

ᓂᖅᑐᐃᓐᓇᖅ ᑎᒥᒻᒧᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᖁᓇᑐᖁᑕᓕᓐᓂᒃ ᐱᕕᑦᓴᓯᐊᒍᐳᖅ (many vitamins and nutrients, including protein, iron, magnesium and zinc). ᑐᒥᒻᒪᑦ ᓂᖅᑐᐃᓐᓄᑦ ᐱᒻᒪᓇᐅᐳᑦ ᐃᓄᐃᑦ ᓂᓇᑦᓯᐊᖁᑦᑕᓇᐊᖁᖁᓂᖓᓄᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᖁᓇᑐᖁᑕᓕᓐᓂᒃ (Blanchet *et al.*, 2000; Kuhnlein and Receveur, 2007). ᑕᑯᑦᓱᒋᑦ 2004-ᒥ ᖃᓄᐃᑉᐱᑖ ᓚᔭᐅᔪᒥᒃ ᖃᐅᔨᓴᐅᑎᕕᓃᑦ, ᓂᖅᑐᐃᓐᓄᑦ ᐱᕕᐅᓲᒍᐳᑦ ᑎᒥᒻᒧᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᖁᓇᑐᖁᑕᓕᓐᓂᒃ 25% ᐅᖓᑖᓄᑦ protein, niacin and riboflavin, vitamins B6 and B12, omega-3 fatty acids, selenium, zinc, iron and phosphorus ᐊᐱᖁᑕᕕᓃᑦ ᓂᓇᓲᖅᒋᑦ ᖃᐅᔨᑦᓱᒋᑦ (Blanchet and Rochette, 2008). ᐃᓘᓐᓈᒍᑦ, ᒪᖁᖃᑦᑕᓂᖅ, ᐃᖃᑦᓕᐊᖃᑦᑕᓂᖅ ᓄᓂᑯᖃᑦᑕᓂᖁᓗ ᓂᖅᑐᐃᓐᓇᑐᖃᑦᑕᓂᖁᓗ ᐃᑯᑦᓚᑎᑦᓯᒍᑕᐅᒍᓐᓇᐳᑦ ᐊᐅᒃᑯᑦ ᐱᑕᑦᓴᖃᓗᐊᑐᐃᓐᓇᓇᐊᖃᖁᓂᒥᒃ, ᐆᒪᑎᒃᑯᑦ ᐋᓐᓂᐊᑖᕈᓐᓇᓂᖁᒥᒃ ᖁᐃᓂᓗᐊᖁᓂᐅᒍᓐᓇᑐᒥᑦᓗ (ᖃᓇᑕᒥ ᑕᖁᒥ ᐊᑯᑎᓕᓇᓂᖁᒍᑦ ᐱᒍᑦᔨᐅᑏᑦ, 2014).

ᐃᓘᓐᓈᒍᑦ ᐅᖃᖁᓯᒍ, ᓂᖅᑐᐃᓐᓇᓕᓇᓂᖅ, ᐁᑦᑐᑑᑎᒍᑕᐅᓂᖓᓗ ᓂᓇᔭᐅᓲᒍᓂᖓᓗ ᓂᖅᑐᐃᓐᓄᑦ ᐃᓕᖅᑯᓯᓇᔭᐅᑦᓚᓇᑉᐳᖅ ᐃᓄᓐᓄᑦ ᓄᓇᓕᖅᒋᓐᓂᓗ ᒪᑭᑕᑦᓯᐊᑭᑎᑦᖁᐅᓯᓂ ᐃᓕᖅᑯᓯᖁᒥᒍᑦᓗ ᐃᓕᑕᖁᑭᑎᒋᑦᓱᒍ. (Chan *et al.*, 2006; Lambden *et al.*, 2007; Searles, 2002). ᐆᒪᔪᐃᑦ ᐱᐅᓕᐊᖁᑕᐅᒋᐊᖁᖁᓂᖓ ᖁᑦᓚᑐᐃᒍᑕᐅᓂᖓᓗ ᒪᖁᓐᓂᐅᑉ, ᐃᖃᑦᓕᐊᓂᐅᑦᓗ ᓄᓂᑯᓐᓂᐅᓗ ᓯᐳᑦᓕᐅᔨᒪᑦᖁᐅᖁᔭᐅᓐᓂᖁᑦ ᓇᐅᓕᒫᓄᑦ ᐸᖁᓇᓯᒪᐅᑎᓕᓇᑎᑦᓗᒋᑦ (Makivik Corporation *et al.*, 2014).

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐱᓇᓱᕝᕕᒥ ᐱᓇᓱᑦᑏᑦ ᐃᓱᒪᒋᔭᖅᕐᒥᔪᑦ ᐊᒥᓱᓂᒃ ᓱᕐᖤᓯᐊᕐᓂᓇᓲᖕᒋᓂᒃ ᓂᕿᑐᐃᓐᓄᑦ ᐃᓄᐃᑦ ᖃᓄᐃᙱᓯᐊᓇᐊᖃᕐᓂᖓᓂᒃ ᒪᑭᑕᓯᐊᓇᐊᖃᕐᓂᖏᓐᓂᓗ ᕿᓪᓕᑐᐃᑦᓯᐊᓱᑎᓪᓗ ᓂᕿᑐᐃᓐᓇᑐᑦᓯᐊᖃᑦᑕᓇᐊᖃᕐᓂᒥᒃ, ᒪᕿᖃᑦᑕᓂᕐᒥᒃ, ᐃᖃᓪᓕᐊᖃᑦᑕᓂᕐᒥᒃ ᓄᓂᕝᖃᑦᑕᓂᕐᒥᓗ.

ᓂᕿᖃᑦᓯᐊᓂᖅ

ᓂᕿᖃᑦᓯᐊᓂᕐᒥᒃ ᓄᓇᕕᒻᒥ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐱᓇᓱᕝᕕᒥ ᐱᓇᓱᑦᑏᑦ ᓯᕗᓪᓕᐅᔾᒐᑦᓴᖃᓲᒍᕗᑦ. ᓂᕿᖃᑦᓯᐊᓇᓲᖅ ᐃᓄᓕᒫᑦ, ᐅᒪᖕᖓᓕᒫᑦᓯᐊᖅ, ᐊᑐᐃᓐᓇᖃᑐᐊᕐᒪᑕ ᑎᒥᒃᑯᑦ, ᐃᓅᓯᒃᑯᑦ ᒪᑭᑕᒐᓯᐊᕐᓂᑯᓪᓗ ᐊᑦᑕᓐᑦᑐᓯᐊᓂᒃ ᑎᒥᒻᒧᑦ ᖃᓄᐃᙱᓯᐊᕐᓇᑐᕐᑕᓕᓐᓂᒃ ᓂᕿᑦᓯᐊᓂᒃ ᓇᓇᖃᑦᑕᓇᐊᖃᕐᓂᒥᓄᑦ ᐱᒍᒪᔭᕐᓱᓇᐊᖃᕐᓂᒧᓪᓗ ᖃᓄᐃᙱᓯᐊᕐᓗᑎᒃ ᓂᒪᕈᓐᓇᓯᐊᕐᓗᑎᒃ ᐃᓅᓯᖃᕐᓂᐊᕋᒥᒃ. (Government of Canada, 1998). ᐃᓚᒋᑦ ᐃᓚᖏᑦ ᓂᕿᖃᑦᓯᐊᕈᓐᓇᓲᒍᖕᖏᑐᑦ ᑎᒥᒻᒧᑦ ᖃᓄᐃᙱᓯᐊᕐᓇᑐᕐᑕᓕᓐᓂᒃ, ᓱᕐᕋᑕᐅᓯᒪᓂᐊᓕᕋᒥᒃ ᑎᒥᒃᑯᑦ ᐃᓱᒪᒃᑯᓗ ᐊᑯᓃᕐᑐᒥᒃ ᐋᓐᓂᐊᑖᕐᓂᐅᔭᕿᓂᐊᓕᕋᒥᒃ, ᕐᑯᐃᑦᑎᓗᐊᕐᓂᐅᔭᕿᓂᐊᓕᕋᒥᒃ ᕿᑦᓴᓕᕐᓂᐅᔭᕿᓂᐊᓕᕋᒥᓪᓗ (Vozoris et Tarasuk, 2003).

2004-ᒥ ᓄᓇᕕᒻᒥ ᐃᓄᐃᑦ ᖃᓄᐃᒻᒪᖔᑕ ᖃᐅᔨᓴᐅᑎᕕᓂᕐᓂ ᕿᑎᕐᕐᖃᓵᓕᒫᑲᓵᖏᑦ ᐃᓄᐃᑦ ᓂᕿᖃᑦᓯᐊᖏᑦᑑᓂᕋᕐᓂᕐᑯᑦ ᑕᕐᕿᖓᓂ ᑭᖑᓪᓕᒥ ᖃᐅᔨᓴᕐᓂᖃᓚᐅᕐᑎᓇᒍ. ᐃᓄᐃᑦ ᓄᓇᓕᖏᓐᓂ ᓂᕿᖃᑦᓯᐊᖏᑦᑑᓲᖅ ᐊᒥᓱᑦ ᐱᑦᔪᑕᐅᑎᓪᓗᒋᑦ ᐊᔪᕐᓴᓂᕐᒧᑦ, ᓂᕿᑦ ᐊᑭᑐᓗᐊᕐᓂᖏᓐᓄᑦ, ᐃᓅᒐᓯᐊᕈᑎᑦᓴᑦ ᐊᑭᑐᔫᓂᖏᓐᓄᑦ, ᓂᐅᕕᕐᕕᓂ ᖃᓄᐃᙱᓯᐊᕐᓇᑐᓂᒃ ᓂᕿᑕᖃᑦᓯᐊᖏᓐᓂᖓᓄᑦ, ᓯᓚᐅᑉ ᐊᕙᑎᐅᓪᓗ ᐊᓯᑦᔨᕙᓪᓕᐊᓂᖓᓄᑦ. (Chan *et al.*, 2006 ; Ford and Beaumier, 2011). ᓂᐅᕕᐊᑦᓴᑦ ᓄᓇᕕᒻᒥ ᓂᕿᑦ ᐊᑭᑐᓂᕐᓴᑦ ᑯᐯᒃ ᓯᑎᒥ ᓂᕿᑦ ᐊᑭᖏᓐᓂᑦ 81%-ᒧᑦ (Duhaime and Caron, 2012). ᓄᓇᕕᒻᒥ ᓂᕿᑐᐃᓐᓄᓂᒃ ᐊᑐᐃᓐᓇᖃᕐᓂᒧᑦ ᓂᕿᖃᑦᓯᐊᕈᓐᓇᓚᕿᓲᑦ. ᑕᒐ ᓂᕿᖃᑦᓯᐊᓇᐊᖃᕐᓂᖅ ᐱᒻᒪᓇᐅᒋᐊᓪᓚᐳᖅ ᓂᕿᑐᐃᓐᓄᓂᒃ ᑕᑯᑦᓱᒋᑦ ᓂᐅᕕᐊᑦᓴᑦ ᓂᕿᑦ ᐊᑭᖏᑦ.

ᓱᕐᕋᑕᐅᓯᒪᓂᖓ ᒪᕿᓐᓂᐅᑉ, ᐃᖃᓪᓕᐊᓂᐅᑉ ᓄᓂᕝᓂᐅᓗ

ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᓂᖅ ᐅᓚᐱᑦᓯᒍᑕᐅᑐᐃᓐᓇᓇᐊᖃᕈᓇᐅᕗᖅ ᐆᒪᔪᓂᒃ, ᑐᒃᑐᓂᖅ ᐱᓗᐊᕐᑐᖅ, ᕿᒪᑦᓯᑐᐃᓐᓇᓇᐊᖃᕐᒪᑕ ᐅᔭᕐᓂᐊᕕᐅᔪᓂᒃ, ᐊᕐᕐᑯᓯᓂᓕᐊᒍᓯᒪᔪᓂᒃ, ᐅᒥᐊᕐᕈᐊᓂᐊᕐᕕᓂᒃ, ᓄᓇᓕᓂᓪᓗ ᖃᓂᑕᓇᔭᐅᔪᓂᒃ ᕿᒪᑦᓯᓗᑎᒃ. ᒪᕿᖃᑦᑕᓂᕐᒧᑦ ᑮᓇᐅᔭᕐᑐᓂᖅ, ᓄᓇᕕᒻᒥ ᓂᕿᑐᐃᓐᓇᓯᐅᕈᒪᔪᓄᑦ ᓄᕐᖃᖓᒍᑕᐅᕙᓕᓈᕐᑎᓗᒍ, ᑮᓇᐅᔭᕐᑐᓇᐊᓪᓚᓇᐊᖃᖃᑦᑕᓕᕋᔭᕐᑐᑦ ᐅᖓᓯᑦᑐᒋᐊᓪᓚᒧᑦ ᒪᕿᖃᑦᑕᓇᐊᖃᓕᕋᔭᕐᒪᑕ ᑐᒃᑐᓯᐅᓇᐊᕐᑐᑦ. (ᒪᑭᕝᕕᑯᑦ ᐊᓯᖏᓪᓗ., 2014).

ᓄᓇᕕᒻᒥᒃ ᐸᕐᓄᕈᑎᓃᒻᒪᑦ, ᐃᓄᐃᑦ ᓂᕿᑦᓴᑖᓇᓲᖏᑦ ᑐᒃᑐᐃᑦ, ᐃᖃᓗᐸᐃᑦ, ᑎᒻᒥᐊᓗ ᐃᒪᕐᓯᐅᑏᑦ ᓇᔪᓲᖏᑦ ᐅᔭᕐᓂᐊᕋᕐᓴᓯᐅᕐᕕᓃᓪᓗᐊᓯᐊᕐᒪᑕ ᐅᔭᕐᓂᐊᕕᐅᒍᒪᔪᓂᓪᓗ (ᑲᑎᕕᒃ ᓄᓇᓕᓕᒫᑦ ᑲᑦᒪᖓ ᐊᒻᒪᓗ ᒪᕿᕝᕕᒃ ᑯᐊᐳᓇᓴᒃᑯᑦ, 2010). ᑐᓴᕐᓯᒪᑦᓯᒋᑦ ᓴᓪᓗᒥᐅᑦ ᑲᖏᕐᓯᔪᐊᕐᒥᐅᓗ ᐊᐱᕐᓯᑕᐅᒍᑎᕕᓂᖏᑦ ᓱᓇᐅᒻᒪᖔᑕ ᓱᕐᕋᑕᐅᒍᓐᓇᑐᑦ ᓱᓇᐅᒻᒪᖔᑕᓗ ᐱᕙᓪᓕᕐᑯᑎᐅᒍᓐᓇᑐᑦ ᓄᒃᓚᓐᒥ ᐅᔭᕐᓂᐊᑐᓄᑦ, ᕐᑯᓛᒻᒥᒎᓛᑦ ᑕᕝᕗᓇᑦᓴᓈᖃᑦᑕᓯᑎᒃ ᖃᖓᑕᖃᑦᑕᓕᑐᐊᕐᒪᑕ, ᐆᒪᔪᐃᑦ ᕿᒪᑦᓱᓯᒍᒻᒪᑕ. ᑭᓯᐊᓂ, ᕐᑯᓛᒻᒥᒎᓛᑦ ᕿᓂᕐᑕᐅᔪᖃᓕᕐᒪᑦ ᐃᓈᓕᔭᐅᒋᐊᕐᖃᕐᑐᖃᓕᕐᒪᓗ ᐊᑑᑎᓕᒻᒪᓇᐊᓈᓲᑦ ᐅᔭᕐᓂᐊᕕᒻᒥᓗ ᐊᑐᐃᓐᓇᓇᔭᐅᑎᑕᐅᒍᓐᓇᓯᑎᒃ (Blais, 2013). ᐃᓄᐃᓪᓗ ᐊᓯᖏᓐᓂᒃ ᐃᓱᒪᓗᒋᔭᖃᕐᐸᒥᑦᓯᑎᒃ, ᐃᓱᒪᓈᑎᖃᕐᒥᓯᑎᒃ ᓱᕐᕋᑕᐅᑐᐃᓐᓇᓇᐊᖃᕐᓂᖓᓂ ᕿᓚᓗᒐᕐᓂᐊᓃᑦ ᓇᑦᓯᓯᐅᕐᓃᓗ ᓴᓪᓗᐃᑦ ᐁᐸᖏᓐᓂ ᐅᓚᐱᑕᐅᖃᑦᑕᓕᕈᑎᒃ ᐅᒥᐊᕐᑐᕝᕙᓪᓕᓄᑦ (Kirwin, 2008).

ᓴᓪᓗᒥᐅᑦ ᑲᖏᕐᓯᔪᐊᕐᒥᐅᓗ ᐅᖃᕐᓯᒪᒻᒥᔪᑦ ᑭᑭᐊᑦᓴᔭᓂᒃ ᐅᓯᔪᑦ ᓯᑯᓯᐅᑏᑦ ᐊᕐᕐᑯᓯᓂᖏᑦ ᓱᕐᖽᒐᔭᕐᓂᕐᓱᒋᑦ ᐅᑭᐅᒥ ᐅᐱᖅᒐᓴᒥᓗ ᓱᑭᑑᓄᑦ ᐊᕐᕐᑯᓯᓂᖏᓐᓂᒃ ᓯᑯᒥᒃ ᓵᓪᓕᑎᓇᓯᒪᒐᔭᕐᒪᑕ ᒐᒪ ᒪᕿᑦᑐᑦ ᓂᒍᓇᐊᖃᖃᑦᑕᓂᐊᓕᕐᒪᑕ (Blais, 2013). ᓯᑯᓯᐅᑏᑦ ᖀᖏᕐᑐᕕᓂᐅᑎᓪᓗᒋᑦ

ᐅᐸᒐᑦᓴᓯᐊᒍᖅᖅᒋᓂᕐᓴᐅᓂᐊᓕᕐᒪᑕ ᒪᕐᕝᕕᑦ, ᐊᑯᓂᐅᓂᕐᓴᓗ ᒪᕐᕝᕕᒥᓄᑦ ᑎᑭᐅᑎᒐᓱᐊᕐᑲᑦᑕᓂᐊᓕᕐᒪᑕ ᓇᖅᒋᐊᕐᓇᓂᕐᓴᒃᑰᕐᓂᓴᐅᕐᑲᑦᑕᓗᑎᓪᓗ. ᖁᒃᓚᓐᒥ ᐅᔭᕐᓂᐊᕕᒻᒥ ᑕᒪᒃᑯᐊ ᑲᖅᑮᒋᔭᐅᔪᑦ ᓱᕐᕿᑕᐅᒍᑎᐅᒍᓐᓇᑐᑦ ᐅᒥᐊᕐᕈᐊᓂᑦᑎᓯᑦᑐᓕᓲᒍᑦᓱᑎᓪᓗ ᒫᑦᓯ 15-ᓗ ᔫᓂ 15-ᓗ ᐊᑯᓐᓂᖅᓴᓂ. ᓇᓗᓐᒃᑯᑕᓕᐅᓲᒍᒻᒥᔪᑦ ᐅᒥᐊᕐᕈᐊᑦ ᐊᕐᕐᑯᓯᓂᖅᓴᓂᒃ ᓯᑯᑎᒎᕐᓱᓂ. ᑖᒃᑯᓈᓐᓂ ᓄᓇᓖᓐᓂ ᐱᓯᒪᔪᑦ ᐃᓚᖅᒋᑦ (Blais, 2013) ᐅᖃᕐᓯᒪᔪᑦ ᐳᔫᕐᒥᒃ ᑲᑎᕐᓱᓲᒍᓂᖁᑦᓱᑎᒃ ᐊᐳᑎᒥ, ᑖᕐᓂᓴᐅᓯᑎᓪᓗᒍ. ᑎᒪ, ᐅᐱᖅᒐᑐᐊᕐᒪᑦ ᐊᐅᑦᓴᐅᑎᒋᓂᕐᓴᐅᓂᐊᓕᕋᒥ, ᑎᒪ, ᓯᑭᑑᑦ ᐊᕐᕐᑯᑎᖅᒋᑦᑕ ᐃᓚᖅᒋᑦ ᐊᑐᕋᑦᓴᐅᒍᓐᓄᓴᐅᑎᒋᓂᐊᓕᕋᒥ, ᒪᕐᕝᕕᑦ ᒪᕐᕝᕕᒥᓂᒃ ᐅᐯᒍᓐᓇᓯᐊᕈᓐᓄᓂᐊᓕᕐᒪᑕ.

ᑐᑭᓯᑎᑦᓯᓯᒪᒻᒪᑕ Rodon *et al.* and Blais (2013), ᐅᔭᕐᓂᐊᕕᒻᒥᒃ ᐅᒃᑯᐃᓯᕐᓂᖅ ᐊᑦᔨᕝᖅᖅᒋᑐᑎᒍᑦ ᓱᕐᓄᓂᕐᑲᓇᐊᖅᒐᑕ ᑕᑯᓐᓇᑕᐅᒍᓯᓇᓲᖅᓴᓂᒃ ᓂᕿᕐᑲᓇᐊᕐᑲᕐᓂᖅ ᐱᓪᓗᒍ ᕝᓇᐅᔭᑎᒍᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᓂᖅᓴᓄᑦ (ᐱᓇᓱᒐᑦᓴᑦ ᕝᓇᐅᔭᓄᓪᓗ ᐅᑎᕐᑕᐅᓃᑦ). ᐅᔭᕐᓂᐊᕖᑦ ᐅᐱᒋᔭᐅᕙᓪᓛᓲᒍᕗᑦ ᕝᓇᐅᑦᔭᓇᕐᑑᓲᒍᒐᒥᒃ ᓂᕿᓯᒍᑎᑦᓴᓂᒃ, ᒪᕐᕝᕕᐅᑎᑦᓴᓂᒃ ᐃᕐᑲᓪᓕᐊᕈᑎᑦᓴᓂᓪᓗ, ᐊᓯᖅᒋᓐᓂᓗ. ᑭᓯᐊᓂ, ᐊᒥᓱᑦ ᐅᔭᕐᓂᐊᕕᓐᓂ ᐱᓇᓱᐊᓕᕐᐸᑕ ᒪᕐᕝᑦᑏᑦ ᐃᑭᓕᐅᒥᒐᔭᕐᑐᑦ, ᒐᒪ, ᓂᕿᑐᐃᓐᓇᖃᑦᓯᐊᖅᒋᓐᓂᓴᐅᓂᐊᓕᕐᒪᑕ ᐃᓄᐃᑦ. ᐊᕝᕕᐊᓗᑕᐅᒐᔭᕐᒥᓱᓂᓗ ᐅᔭᕐᓂᐊᕕᒻᒥ ᐱᓇᓱᑦᑎᐅᓂᖅ ᐅᕕᒐᕐᓂᓴᑦ ᐃᓄᐃᑦ ᖃᐅᔨᒪᔭᑐᖃᖅᒋᓐᓂᒃ ᖃᐅᔨᒪᑎᑕᐅᒍᓐᓇᖅᒋᓐᓂᓴᐅᓕᕋᔭᕐᒪᑕ.

ᓱᒃᑯᓇᕐᑐᑕᖃᑦᔭᖅᑰᕐᓯᓂᖅ

Usher *et al.* (1995) ᐅᖃᕐᓯᒪᒻᒥᔪᑦ ᓄᓇᓕᑐᕐᕿᑦ ᐊᑭᑎᐅᑉ ᓱᕐᕿᑕᐅᓂᓇᑐᐃᓐᓇᓇᐊᓕᖅᓴᓂᒃ ᑐᕐᑯᓐᓇᑐᕐᑕᓕᓐᓄᑐᐃᓐᓇᐅᖅᒋᑦᑐᖅ ᑭᓯᐊᓂᓕ ᓯᕗᕐᕋᕐᓂᒧᑦ ᓱᒃᑯᓇᕐᑐᑖᕐᓂᐊᖅᑰᕐᓯᓂᕐᒧᑦ. ᓂᕿᑦ ᓱᒃᑯᑕᐅᓂᐊᖅᖅᑰᓇᓴᐅᓂᖅᓴ, ᓱᕐᕐᑯᐃᑕᐅᓯᒪᖅᒋᑲᓗᐊᕐᐸᑦ, ᓇᓗᕐᕐᑯᑎᒍᑕᐅᓯᒍᓐᓇᒥᔪᖅ ᐆᒪᔪᑕᐅᑭᑦᑐᓂᒃ, ᐃᕐᑲᓪᓗᑦᑕᐅᑭᑦᑐᓂᒃ, ᓄᓇᕖᑦᓴᓂᓪᓗ. ᓱᕐᕿᑕᐅᓴᔭᕐᑐᑦ ᓂᕿᑐᐃᓐᓇᑐᖃᑦᑕᓇᐊᖃᕐᓂᖅ, ᓂᕿᑦᓯᑐᖃᑦᑕᓇᐊᖃᕐᓂᓗ ᑎᒥᒻᒧᑦ ᐃᓱᕐᓇᓯᓇᕐᑐᓂᒃ.

ᐆᒪᔪᑦ ᐱᕈᕐᑐᐃᓗ ᐅᔭᕐᓂᐊᕖᑦ ᓴᓂᐊᓃᑦᑐᑦ ᐊᓯᑦᔨᓯᒪᓕᕐᓂᖅᒋᑦ ᖃᐅᔨᔭᐅᓯᒪᓕᕐᑐᑦ ᓄᓇᕖᒻᒥ. Blais (2013) ᑐᓴᕐᑎᓯᓯᒪᔪᖅ ᓴᓪᓗᒥᐅᑦ ᐃᓚᖅᒋᑦ ᑲᖅᒋᕐᓱᔪᐊᕐᒥᐅᓗ ᐃᓚᖅᒋᑦ, ᖁᒃᓚᓐᒥᒃ ᐅᔭᕐᓂᐊᕖᒻᒥᒃ ᖃᓂᑦᑕᓖᑦ ᐃᑉᐱᒋᔭᖃᕐᓯᒪᓂᕐᕐᓯᒋᑦ ᐃᖃᓗᐃᑦ ᑎᐸᖅᒋᑦᑕ ᐊᑦᔨᐅᖅᒋᓐᓂᓴᐅᓕᕐᓂᖅᒋᓐᓂᒃ ᐅᔭᕐᓂᐊᕖᑦ ᓴᓂᐊᓂ ᐃᖃᓗᑦᑕᐅᖃᑦᑕᓯᒪᔪᑦ. ᐊᕐᓂᓗ ᐃᓚᖅᒋᑦ ᑖᒃᑯᓈᓐᓂ ᓄᓇᓖᑦ ᐅᖃᕐᓯᒪᒻᒥᔪᑦ ᓄᓂᕖᕕᓖᑦ ᐊᕐᕐᑯᓯᓂᕐᒦᑐᑦ ᐅᔭᕐᓂᐊᕕᐅᑉ ᓴᓂᐊᓂ ᐳᔫᕐᒧᑦ ᐊᕙᓗᔭᐅᓯᒪᓂᕐᕐᓯᒋᑦ. ᐊᓯᖅᒋᓪᓗ ᑖᒃᑯᓇᓂ ᓄᓇᓕᒻᒥᐅᑦ ᓂᓇᓲᒍᒍᓐᓂᓯᒪᓂᕐᕐᑐᕕᓂᐅᑦᓯᑎᒃ ᓂᕿᑐᐃᓐᓂᑦ ᐃᓚᖅᒋᓐᓂᒃ.

ᐊᕙᑎᐅᑉ ᓂᕿᒋᓪᓗ ᓱᒃᑯᓇᕐᑐᑕᖃᕐᓂᖅᓴ ᓱᒃᑯᓇᕐᑐᑕᖃᕐᓂᐊᒎᓇᔭᐅᓂᖅᓴᓗ ᐃᓅᓯᕐᒥᒃ ᐊᓯᑦᔨᓇᒍᑕᐅᒍᓐᓇᐳᑦ, ᓱᓇᓱᐊᓇᐊᖃᓪᓗᐊᖅᒋᑦᑐᓂᒃ ᓱᒐᑦᓴᖃᕐᓂᓴᐅᖃᑦᑕᓯᑎᓪᓗᒋᑦ ᓂᕿᑐᐃᓐᓇᑐᖅᖅᒋᓂᕐᓴᐅᖃᑦᑕᓯᑎᓪᓗᒋᓪᓗ (Richmond and Ross, 2009, Egeland et al., 2010).

ᐃᓱᒪᓗᑎᐅᔪᑦ ᐃᒫᖅᕕᓚᒍᑏᓪᓗ

ᓂᕿᑐᐃᓐᓇᐅᑉ ᐱᒻᒪᓇᐅᓂᖅᓴᓄᑦ ᐃᓄᐃᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᓇᐊᖃᕐᓂᖅᓴᓄᑦ, ᒪᑭᑕᑦᓯᐊᓇᐊᖃᕐᓂᖅᒋᓐᓄᑦ ᐃᓕᕐᕐᑯᓯᒃᑯᓗ ᐃᓕᑕᕐᓇᐅᑎᒋᑦᓱᒍ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᐃᓱᒪᓗᑎᖃᕐᐳᑦ ᓱᒃᑯᓇᕐᑐᑖᕐᑎᓯᓂᐊᖅᑰᓇᔭᐅᓂᖅᒋᑦᑕ ᓱᒃᑯᓇᕐᑐᖃᓪᓚᓇᑦᑎᓯᓂᖅᒋᑦᑕᓗᓐᓂᑦ ᐊᑭᑎᒥᒃ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᓂᐅᒐᔭᕐᑑᑉ ᓄᓇᕖᒻᒥ ᐃᓄᐃᑦ ᓂᕿᖅᒋᓐᓂᒃ ᐃᓕᒪᓯᒍᑕᐅᓂᐊᖅᑰᓇᔭᐅᓯᒪᕗᑦ. ᓂᕿᑐᐃᓐᓇᓂᒃ ᓂᕿᖃᑦᓯᐊᕈᓐᓂᑉᑦ ᓄᓇᕖᒻᒥᐅᑦ ᓂᓇᔭᑦᓴᖃᑦᓯᐊᕈᓐᓂᕐᔭᕐᒪᑕ, ᓱᕐᕿᑕᐅᓯᒪᓕᓈᕐᑎᓗᒋᓪᓗ ᐊᒥᓱᓄᑦ ᐃᓅᓯᕐᒨᓕᖅᒐᔪᓄᑦ ᒪᑭᑕᒐᓱᐊᕐᓂᓅᓕᖅᒐᔪᓄᓪᓗ ᐊᒻᒪᓗ ᐊᕙᑎᒨᓕᖅᒐᔪᓄᑦ.

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᒥᑦᓴᐅᓵᕐᓯᒪᕗᑦ ᐅᔭᕋᕐᓂᐊᓂᖃᕐᓂᐊᐸᑦ ᓱᕐᕋᑕᐅᑐᐃᓐᓇᓇᐊᖃᓇᐊᖏᓐᓂᒃ ᐃᓄᐃᑦ ᐃᓅᒐᓱᐊᕐᓂᑯᑦ, ᐱᓗᐊᕐᑐᖅ ᒪᕐᕿᓲᒍᓂᒃᑯᑦ, ᐃᖃᓪᓕᐊᓲᒍᓂᒃᑯᑦ, ᓄᓂᕝᓲᒍᓂᒃᑯᓗ.

ᖃᐅᔨᒪᑦᓱᒋᑦ ᐃᓄᐃᑦ ᓄᓇᒥᓄᑦ ᐱᑐᑦᓯᒪᓪᓇᒋᐊᖏᑦᑕ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥ ᐱᓇᓱᑦᑏᑦ ᐅᔭᕋᕐᓂᐊᓂᓕᓇᔨᓂᒃ ᐃᓅᖃᑎᒌᑦᑐᓂᒃ ᑲᒪᑦᓯᐊᓕᐅᒥᒋᐊᖃᕐᑐᓇᑦᓯᕗᑦ ᐃᑯᓪᓚᑎᑦᓯᒪᓱᐊᕐᑐᓴᐅᔪᓇᑦᓱᒋᓪᓗ ᐱᓇᓱᐊᕐᑕᒥᑕ ᓱᕐᖏᓯᒪᓂᖅᒪᓂᒃ ᐊᕙᑎᒥᒃ ᐃᓄᖕᓂᓗ.

7.4. ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᑦ ᓱᕐᕋᑕᐅᓐᓇᑐᑦ

ᐊᓪᓚᑕᐅᓯᒪᔪᓂᒃ ᑕᑯᓯᒻᒥᔪᓯ ᐱᑦᓯᐊᑐᒃᑯᑦ ᐱᑦᓯᐊᖏᑦᑐᑯᓪᓗ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓄ ᓱᕐᕋᑕᐅᒍᑎᐅᑐᐃᓐᓇᓇᐊᓐᓂᒃ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᑐᓄᑦ. ᑕᑯᓚᖓᔪᓯ ᖃᐅᔨᓴᕐᑐᕕᓃᑦ INSPQ (2013) ᑐᓴᕐᑎᓯᒍᑎᓕᐊᓇᓯᒪᔭᖏᓐᓂᒃ ᕿᒥᕐᕈᓯᒪᒻᒪᑕ ᕐᑯᓕᓪᓗ ᓯᑕᒪᓪᓗᓂᒃ ᐊᑐᐊᒐᑦᓴᓕᐊᒍᓯᒪᔪᓂᒃ ᐊᓪᓚᓯᒪᔪᓕᐅᕐᓯᒪᑦᓱᑎᓪᓗ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᓂᒍᑦ, ᐅᔭᕋᕐᓂᐊᓂᕐᒧᑦ, ᓴᓂᕐᐯᓯᒪᓂᕐᒧᑦ, ᐊᐅᓚᑦᓯᓂᕐᒧᑦ ᒪᕐᓗᑯᓐᓂᐊᑕᐅᓂᖓᓄᓪᓗ. Blais (2013) ᐅᖃᕐᓯᒪᒻᒪᑦ, ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᑦ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᓂᐅᖃᑦᑕᓯᒪᔪᓄᑦ ᐅᔭᕋᕐᓂᐊᓂᐅᓕᕐᑐᓄᓪᓗ ᐊᓪᓚᑯᑎᓕᐅᕈᑕᐅᑦᓯᐊᓚᐅᕐᓯᒪᖅᒥᒪᑕ. ᑎᒥᒐᓗᐊᕐᑎᓗᒍ ᑖᒃᑯᓂᖓ ᐊᓪᓚᑕᑦᑎᓂᒃ ᐃᓗᒋᐊᕐᓯᒪᕗᒍᑦ ᓐᑦᑐᓂᒃ ᖃᐅᔨᓴᕐᓯᒪᔭᖏᓐᓂᒃ Moorhouse *et al.* (2011) ᕿᒥᕐᕈᓯᑎᒃ ᓱᕐᖑᒍᑎᐅᑐᐃᓐᓇᓇᐊᓐᓂᒃ ᓄᓇᕗᒻᒥ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᐅᑉ, ᖃᐅᔨᓴᐅᑎᕕᓂᖏᓐᓂᓗ Blais (2013) ᐊᒻᒪᓗ Rodon *et al.* ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᐱᕙᓪᓕᕐᑯᑎᐅᒍᓐᓇᑐᓂᓪᓗ ᐅᔭᕋᕐᓂᐊᕕᒻᒥᑦ ᖑᒃᓚᓐᒥᑦ, ᑐᓴᕐᑎᓯᒍᑎᕕᓂᖏᓐᓂᒃ ᓴᓪᓗᒥᐅᑦ ᑲᖏᕐᓱᔪᐊᕐᒥᐅᓗ, ᓄᓇᕕᒻᒥ. ᐅᖃᐅᓯᖃᕐᒥᓱᑕᓗ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᖑᓂᓇᑐᐃᓐᓇᓇᐊᓐᖏᓐᓂᒃ ᐅᔭᕋᕐᓂᐊᓂᐅᑉ ᓄᓇᕕᒻᒥ ᐊᓪᓚᓯᒪᔭᖏᓐᓂᒃ NRBHSS (2013).

ᐊᑐᐊᕋᑦᓴᓂᒃ ᕿᒥᕐᕈᓂᕕᓂᖓ ᖃᐅᔨᓴᕐᑏᑦ INSPQ ᐃᓅᖃᑎᒌᑎᒍᑦ ᐊᒻᒪᓗ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᖑᓯᒪᓂᖓᑕ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᓂᐅᑉ, ᐅᔭᕋᕐᓂᐊᓂᐅᑉ, ᓴᓂᕐᑯᑕᐅᓯᒪᓂᖏᑦᑕ, ᐊᐅᓚᑕᐅᓂᖏᑦᑕ ᐊᒻᒪᓗ ᑭᓈᓂᕐᓗᑯᖏᑦᑕ ᓴᓂᕐᑯᐅᖃᕐᑕᐅᓂᖏᑦᑕ

ᖃᐅᔨᓯᒪᔭᖏᑦᑕ ᐃᓚᖏᑦ ᖃᐅᔨᓴᕐᑏᑦ INSPQ (2013), ᓇᓗᓐᕐᓯᒪᔭᕗᑦ ᑐᒍᓯᓕᐅᕐᓯᒋᑦ, ᐱᖓᓱᐃᓚᕐᕿᖓᔪᓂᒃ ᓱᕐᖑᓯᒪᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᑐᑭᓯᒪᐅᑎᑦᓴᑦ, ᐃᒣᓕᔪᑦ:

- *ᓱᕐᕋᑕᐅᒍᑎᐅᓯᒪᔪᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᓈᓕᖓᑦᓱᑎᒃ ᓇᓗᓐᕐᑕᐅᓯᒪᕗᑦ ᐃᓈᓐᓈᒍᑦ ᐃᓈᓯᐅᑉ ᖃᓄᐃᑦᑑᓕᕐᓂᖓ ᑕᑯᑦᓱᒍ ᐱᐅᒃᑯᑎᓄᑦ ᐊᕐᕐᑯᓇᖃᑦᑕᓯᒪᔪᑦ ᐃᓈᓯᖏᑦ ᑕᑯᑦᓱᒋᑦ. ᐊᑐᐊᕋᑦᓴᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᓈᓕᖓᔪᑦ ᐅᖃᐅᓯᕐᑕᖃᕐᓂᖏᑦᑐᑦ ᖃᐅᔨᔭᐅᓯᒪᔪᓂᒃ ᐊᓯᖏᓐᓂᒃ ᐃᓈᓯᒃᑯᑦ ᓱᕐᕋᑕᐅᓯᒪᐅᑎᐅᒍᓐᓇᑐᓂᒃ, ᐊᓪᓚᑕᐅᓯᒪᒐᓗᐊᕐᑎᓗᒋᑦ ᐊᓯᖏᓐᓂ ᐊᑐᐊᕋᑦᓴᓂ ᐃᓈᓐᓈᒍᑦ ᐅᔭᕋᕐᓂᐊᓂᕐᓈᓕᖓᔪᓂ.*

- *ᐃᓱᒪᒃᑯᑦ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᖅ ᐱᓪᓗᒍ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᓐᓈᓕᖓᑦᓱᓂ, ᐊᒥᓲᖅᖏᑐᑦ ᐃᓱᒪᓗᒋᔭᖃᖃᑦᑕᓂᕐᕐᑯᖅ (ᐃᓱᒪᓗᒋᔭᖃᓪᓚᓇᑦᓱᑎᒃ ᓱᕗᕐᕐᓱᑎᓪᓘᓃᑦ) ᓱᒃᑯᓇᕐᑐᓂᒃ ᓱᕐᖑᒍᓐᓇᓂᖏᓐᓂᓗ. ᐅᔭᕋᕐᓂᐊᕈᓲᑦ ᐃᓪᓗᔪᐊᓪᓗ, ᓇᓪᓕᐊᒍᒐᓗᐊᕐᑉᑦ ᐅᔭᕋᕐᓂᐊᑕᐅᔪᖅ, ᐊᓯᑦᓵᓂᖃᕐᓂᒥᔪᑦ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᖃᕐᓂᑯᑦ ᓱᕐᖑᓂᖃᕐᒥᑎᓪᓗᒍ ᐱᐅᓕᓐᓂᐊᒐᕐᑖᖃᑦᑕᓂᕐᒥᒃ ᐋᖓᔭᓐᓇᑐᕐᑐᖃᑦᑕᓂᕐᒥᒃ ᐃᒥᐊᓗᖃᑦᑕᓂᕐᒥᓘᓐᓂᑦ ᒐᒪ ᓱᕐᖑᓯᒪᓂᐊᓪᓕᕐᒥᒪᒥᒃ ᐃᓱᒪᒥᒃ ᑎᒥᒻᒥᓗ. [ᐅᑦᑑᑎᒥᑦᓱᒋᑦ, ᐊᑭᓕᑦᓴᖃᕐᓂᒥᒃ ᓱᕗᕐᕈᑎᖃᕐᓂᖅ ᓄᐃᒐᔭᕐᒪᑦ ᐅᔭᕋᕐᓂᐊᕕᒃ ᐱᕈᑕᓇᒍᓐᓄᓯᑐᐊᕐᑉᑦ, ᑕᖃᒪᓂᒻᒪᓇᓪᓘᓃᑦ ᓄᐃᒐᔭᕐᒥᓱᓂ ᓄᓇᓕᒻᒥᐅᑦ ᑎᑭᑕᐅᒃᑦᑕᓱᑉᐸᑕ ᓄᓇᕐᖃᑎᒋᓯᒪᖅᖏᑕᒥᓄᑦ.]*

- ᐃᓅᖃᑎᒌᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᖓ ᐱᓪᓗᒍ, ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓃᑦ ᑐᓄᓐᓇᑐᒃᑯᑦ ᐊᓯᑦᐆᒋᒪᓂᖃᕐᑯᓪᓗᑦᑐᐃᓃᑦ ᐃᓅᖃᑎᒌᓐᓂᒥᒃ ᐊᒻᒪᓗ ᑭᓇᒃᑯᑐᐃᓐᓇᑯᑦ ᑕᑎᖃᑭᓐᓇᓂᖓᓂᒃ ᐊᖓᔪᕐᖃᐅᑎᓂᒃ. ᓇᓪᓕᐊᑐᐃᓐᓇᐅᒐᓗᐊᕐᐸᑦ ᐅᔭᕋᕐᓂᐊᑕᐅᔪᖅ, ᓱᕐᓄᓯᒪᓂᖃᕐᑐᐃᓂᖅ ᐃᓅᓯᒃᑯᑦ-ᒪᑭᑕᒐᓱᐊᑭᑎᑦᓴᖃᕐᓂᑯᓪᓗ, ᑕᑯᓐᓇᑕᐅᓂᕐᓴᐅᓱᑎᓪᓗ ᓱᕐᓄᓂᖃᑦᓯᐊᑭᑎᐅᖅᑭᑐᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᓂᖅᑭᓐᓂᑦ, ᐊᑯᓂ ᐅᔭᕋᕐᓂᐊᓂᐅᓚᖓᔪᖅ ᑕᑯᓐᓇᓱᒍ ᓱᒃᑦᑐᒥᓪᓗ ᐱᕙᓪᓕᐊᓂᓇᓲᖅᑭᑦ-ᓄᖑᐸᐸᓕᐊᓂᓇᓲᖅᑭᓪᓗ (ᐱᒋᑕᓇᓂᖓᓂ ᓱᕐᕋᑕᐅᒍᑎᑦ). ᐃᓅᖃᑎᒌᑎᒍᑦ ᓈᒻᒪᕐᑯᐊᓈᖅᑭᑎᑕᐅᓃᑦ ᐊᑭᖅᑭᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᓂᖅᑭᓪᓗ ᐊᒡᒍᑕᐅᒥᐊᖃᓕᕐᒪᑕ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᑦ ᓇᓗᓄᕐᑕᐅᓂᕐᒥᔪᑦ.

- ᐃᓚᖅᑭᑦ ᐃᓅᖃᑎᒌᑦ ᐊᑦᑕᓇᕐᓯᓂᐅᔭᕋᕐᓂᓴᕕᓃᑦ, ᐊᒻᒪᓗ ᓄᓇᓕᑐᕐᑫᑦ ᓱᕐᕋᑕᐅᓯᒪᓂᕐᐸᐅᔫᕐᓯᑎᒃ ᐊᓯᑦᐅᑐᕐᓂᓄᑦ.

ᓱᕐᕋᑕᐅᓯᒪᐅᑎᖅᑭᑦ ᑕᕐᕋᒥᐅᑦ

ᓄᓇᓖᑦ ᐊᑦᐅᒌᖅᑭᑐᓂᒃ ᓱᕐᕋᑕᐅᓯᒪᒍᑎᕐᖃᓲᑦ ᐅᔭᕋᕐᓂᐊᓂᖃᓯᑐᐊᕐᒪᑦ. ᐃᓱᒪᒋᔭᐅᒋᐊᖃᕐᐳᖅ ᖃᐅᔨᓴᕐᑕᐅᓕᕐᐸᑕ ᓱᕐᕋᑕᐅᓯᒪᐅᑎᐅᓲᑦ, ᐱᓗᐊᕐᑐᖅ ᐃᓱᒪᒃᑯᑦ, ᓇᓃᓐᓂᖓᑕᓗ ᐅᔭᕋᕐᓂᐊᕕᐅᑉ ᐊᒻᒪᓗ ᐅᔭᕋᕐᓂᐊᑏᑦ ᓄᓇᓕᓕᐊᑲᑦᑕᓂᓇᑐᐃᓐᓇᓇᐊᓕᖅᑭᑦ. ᐃᓘᓐᓈᒍᑦ ᐅᖃᕐᓱᒍ, ᓱᕐᕋᑕᐅᓯᒪᐅᑎᐅᒐᔭᕐᑐᓇᔭᐅᔪᑦ ᐱᑕᖃᕐᓂᓴᐅᒐᔭᕐᕐᑯᑦ ᐃᓄᑭᑦᑑᓂᕐᓴᓂ ᓄᓇᓕᓐᓂ ᐅᖓᓯᒋᔭᐅᓂᕐᓴᓂᓪᓗ ᓄᓇᓕᓂᓪᓗ ᐅᔭᕋᕐᓂᐊᕕᐅᔪᑦ ᖃᓂᑕᖓᓃᑦᑐᓂ, ᐱᓗᐊᕐᑐᖅ ᓄᓇᓕᒻᒥᐅᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᐱᓐᓂᓗᑕᖃᐅᐊᖃᓕᓈᕐᐸᑕ (Gosselin *et al*., 2014; Brisson, 2014).

ᓄᓇᕕᒻᒥ, ᒪᕐᑭᐃᓕᕐᑭᖓᒍᓐᓇᑐᑦ: ᐅᔭᕋᕐᓂᐊᕕᐅᑉ ᐱᓇᓱᑦᑎᖅᑭᑦ ᑎᑭᑦᑕᑎᑕᐅᔪᑦ ᖃᖓᑦᑕᔫᑎᒍᑦ (ᑎᑭᑉᐳᑦ/ᐊᐅᓪᓚᐳᑦ ᐅᑯᓐᓇᓐᓂᑦ FIFO) (ᒐᒃᓕᖓᒻᒪᑦ ᓗᒃᓚᓐᒥ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ), ᐅᑯᓐᓇᓐᓂᑦ ᓄᓇᓕᑭᑦᑑᑉ ᓴᓂᐊᓂ ᓄᓇᓕᓕᐅᕐᓯᒪᓗᑎᒃ ᑎᑭᑦᑕᓱᑎᒃ ᐊᐅᓪᓚᑕᕐᓱᑎᓪᓗ, ᒐᒃᑯᐊᑎᑐᑦ ᐅᔭᕋᕐᓂᐊᑏᑦ Oceanic Iron Ore ᐊᒻᒪᓗ ᐊᐅᐸᓗᒃ (Gosselin *et al*., 2014). ᓱᕐᕋᑕᐅᓂᐅᔭᕋᕐᓂᐸᐅᑎᓪᓗᒋᑦ ᓄᓇᓕᑭᑦᑑᓱᑎᒃ ᐅᔭᕋᕐᓂᐊᕕᒻᒥᒃ ᖃᓂᑦᓴᑐᑦ ᓄᓇᐅᑉ ᐊᑐᕐᑕᐅᓂᖅᑕ ᐹᕐᓯᖓᐅᑎᐅᒍᓐᓇᓂᖅᖓᓄᑦ ᐅᔭᕋᕐᓂᐊᕕᐅᓪᓗ ᐱᓇᓱᑦᑎᖅᑭᑦᑕ ᓄᓇᓕᒻᒥᐅᓂᒃ ᑲᑎᓯᑲᑦᑕᑐᐃᓐᓇᓇᐊᖃᕐᓂᖅᑭᓐᓄᑦ.

ᑎᑭᑦᑕᓱᑎᒃ ᐊᐅᓪᓚᑕᕐᓱᑎᓪᓘᑐᑦ, ᐱᓇᓱᐊᑭᓲᓐᓂᒃ ᒪᕐᑮᓂᒃ ᐅᔭᕋᕐᓂᐊᕕᒻᒦᖃᑦᑕᓲᑦ ᑐᒪ ᐱᓇᓱᐊᑭᓲᓐᓂᒃ ᒪᕐᑮᓂᒃ ᐊᓇᕋᓯᒪᓂᐊᓕᕋᒥᒃ (Blais, 2013). ᐃᓄᐃᑦ ᐱᓇᓱᐊᕐᑐᑦ ᑐᒥᓕᖓᔪᒥᒃ ᓄᓇᓕᒥᓄᑦ ᐃᓚᐅᑦᓯᐊᑭᓐᓄᒋᐊᕐᒥᓂᒃ ᐃᑉᐱᒍᓯᓕᓲᑦ, ᐃᓚᐅᖅᑭᑐᒋᓕᕐᓱᑎᒃ, ᐱᓇᓱᐊᓗᐊᓇᐊᒥᓪᓗ ᐃᑉᐱᒋᔭᖃᓕᕐᓱᑎᒃ, ᐃᑉᐱᓂᐊᑭᑎᒋᓗᐊᖃᑦᑕᓕᕐᓱᒍ, ᐃᓚᒌᑦᓱᑎᓪᓗ ᓴᒪᐅᑎᒍᓐᓄᓂᕐᓴᐅᓕᕐᓱᑎᒃ (Brisson, 2014). ᐅᖃᕐᓯᒪᔭᖅᑭᑦ Blais (2013) ᑕᑯᑦᓱᒋᑦ, ᑎᑭᑦᑕᓱᓂ ᐊᐅᓪᓚᑕᕐᓱᓂᓘᕐᓂᖅ ᐃᓱᐊᓇᔭᐅᔪᖅ ᐃᓚᖅᑭᓐᓄᑦ ᐃᓚᒥᓂᒃ ᑲᒪᒋᐊᖃᕐᓂᒧᑦ ᑕᕐᑫᕐᓯᕐᑯᓐᓇᖃᑦᑕᓂᐅᒐᒥ. ᑭᓯᐊᓂᓕ, ᐃᓱᐃᑦᑐᒪᓇᐅᓲᖅ ᕿᑐᖅᑭᐅᑯᓪᓕᐊᔪᓄᑦ, ᐃᓚᖅᑭᑦ ᓄᕐᕐᓇᑐᐃᓐᓇᓲᒍᒻᒪᑦ ᐃᓚᒥᓃᒍᒪᓂᑯᒥᓄᑦ (Blais, 2013). Moorhouse *et al.* (2011) ᖃᐅᔨᓐᓂᒥᔪᑦ ᐁᑉᐸᓇᔭᐅᔪᑦ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᐱᓇᓱᐊᕐᑐᓄᑦ, ᐊᕐᓇᑯᓪᓗᐃᑦ ᐊᒥᓱᑦ, ᐊᕐᑐᓴᓗᐊᓱᓲᒍᒻᒥᒪᑦ ᑲᒪᒋᔭᑦᓴᒥᓂᒃ ᐊᓇᕋᒥᓂ. ᐊᖑᑏᑦ ᐱᕐᕐᑯᓯᑐᖅᑭᕐᒥᓂᒃ ᐊᓯᑦᐆᒋᒪᓂᐊᓇᐊᖃᓯᒻᒪᑦ ᐃᓚᒌᑦ ᑕᖃᒪᓗᐊᕐᓂᒧᖃᑦᑕᑭᓐᓇᒥᒻᒪᑦ. ᓄᓇᑦᓯᐊᒥᐅᑦ ᑲᑭᒪᖓ ᓯᑎᔪᔭᓂᒃ (diamond) ᐅᔭᕋᕐᓂᐊᓂᖃᓕᕐᑎᓗᒍ, ᐳᓴᓐᑎᑎᒍᑦ ᕿᑐᖅᖓᒥᓂᒃ ᐃᓄᑑᑦᔨᔪᑦ ᒪᕐᑭᕕᓪᓗᐊᑐᒥᒃ ᐅᓄᕐᓯᒋᐊᕐᓂᓄᓯᒪᔪᑦ 15%-ᒥᑦ 30%-ᒧᑦ ᓄᓇᓕᓐᓂ ᐃᓄᑭᓐᓂᓴᕐᓂ. ᐊᕐᓐᑦ ᐱᓇᓱᒋᐊᕐᑐᑎᑕᐅᓯᒪᔪᑦ ᐅᔭᕋᕐᓂᐊᕕᓐᓄᑦ ᓴᐳᑦᔨᔨᒐᑦᓴᕈᓲᑦ ᐱᒐᓱᐊᒻᒪᓇᐅᑎᖃᓯᑦᓱᑎᓪᓗ ᐊᖑᑎᕐᓪᓗᓂᒃ ᐱᓇᓱᑦᑎᓕᒻᒦᓕᕋᒥᒃ. ᖃᐅᔨᒪᔭᐅᒻᒥᔪᖅ ᐊᕐᓐᑦ ᐱᓗᒃᑕᐅᓂᓇᓲᖓ ᐳᕐᑐᓯᒋᐊᓲᒍᒋᐊᖓ ᐅᔭᕋᕐᓂᐊᕕᓐᓂ.

ᐊᐱᕐᓱᑕᕕᓖᑦ ᐊᒥᓲᖅᑭᑐᑦ ᖃᐅᔨᓴᕐᑐᓄᑦ Blais (2013) ᐃᓄᓐᓂᒃ ᐱᓇᓱᑦᑎᓂᒃ ᐅᔭᕋᕐᓂᐊᕕᓐᓂ ᓇᕐᑭᒋᔭᐅᑯᓪᓖᓲᒍᓂᓗᓐᓂᒥᔪᑦ ᐃᓕᖅᑯᓯᖃᑎᒋᔭᐅᖅᑭᓂᕐᒧᓗ ᐃᓕᒃᑰᑎᑕᐅᒍᓇᐅᔪᓇᑦᓯᓱᑎᒃ. ᑎᒪ

ᐊᓐᓇᐅᒪᒐᓯᐊᕈᑎᖃᕐᓂᐊᓕᕋᒥᒃ ᐃᒥᐊᓗᒻᒥᒃ ᐋᖓᔫᓐᓇᑐᓂᓪᓗ ᐊᑐᕐᓂᓗᓐᓂᒥᒃ. ᑕᒪᓐᓇ ᑐᓴᕐᑎᓯᒍᑕᐅᓯᒪᔪᖅ ᓄᓇᓕᓐᓂᑦ ᓇᓂᓯᕕᐅᑉ ᐅᔭᕋᕐᓂᐊᕕᐅᑉ ᖃᓂᑕᓇᔭᖏᓐᓃᑐᓂᑦ ᓄᓇᕗᒥ (Moorhouse *et al.*, 2011).

ᓯᓕᓗ, ᐃᓄᐃᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᖓ ᒪᑭᑕᑦᓯᐊᓇᐊᖃᕐᓂᖓᓗ ᐅᑉᐱᓇᔭᒥᓈᓕᖓᓂᑯᖏᓐᓄᑦ (ᐃᓄᐃᑦ ᖃᐅᔨᒋᐊᕐᕕᒋᓯᒪᑦᓯᒋᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᖃᓄᖅ ᑐᑭᖃᕐᑎᓯᓂᖓ), ᐃᑦᓴᓂᑕᖃᕐᐃᑦ ᖃᓄᐃᓕᖓᓂᖓ, ᐱᓗᐊᕐᑐᖅ ᐃᓗᕕᕐᑕᓖᑦ, ᐅᖃᐅᓯᐅᖃᑦᑕᓇᐊᖃᕐᐳᑦ ᐊᐅᓚᑦᔭᑕᐅᑐᐃᓐᓇᓇᐊᖃᕐᒪᑕ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᑐᓄᑦ ᐅᔭᕋᕐᓂᐊᑐᓄᓪᓗ. 1960-ᓃᑦᓯᑕ ᓄᓇᓕᓐᓄᕐᖃᕐᑕᐅᓚᐅᕋᑎᒃ, ᐃᓄᐃᑦ ᓄᑲᑦᑕᐸᑦᑐᕕᓃᑦ ᓄᓇᒥ ᑕᒐᑕᒐ ᓄᓇᓕᒋᓕᕐᑕᒥᑕ ᐊᑯᑎᖓᓂ, ᑕᒪᒃᑯᐊ ᓄᑲᑦᑕᕕᒋᑯᑦᑕᕕᓂᖅᒋᑦ ᐃᓗᕕᕐᑕᖃᕐᓯᑎᒃ ᐅᓚᐱᑕᐅᑦᑐᓕᒋᐊᓕᓐᓂᒃ ᓯᓇᒧᓪᓄᓃᑦ.

ᑕᑯᑦᓯᒋᑦ Moorhouse *et al.* (2011) ᖃᐅᔨᓴᐅᑎᕕᓃᑦ, ᐃᓄᐃᑦ ᓄᓇᓕᒥᓂ ᐃᓄᖃᑎᒌᑦᓯᐊᓂᖓ ᐅᓚᐱᑕᐅᒐᔭᕐᒥᔪᖅ ᐱᓇᓯᑦᑏᑦ ᑎᑭᖃᑦᑕᓯᐸᑦᑕ ᐅᒪ ᐃᓕᕐᕐᑯᓯᕐᒥᓂᒃ ᐃᓕᕐᓇᐅᑎᖃᕈᓐᓄᐸᓪᓕᐊᓂᐊᓕᕐᒪᑕ ᓄᓇᕐᕐᖃᑎᒌᓪᓗ ᓴᐳᑦᔨᓯᒪᐅᑎᒍᓐᓄᐸᓪᓕᐊᓯᓗᑎᒃ. ᐃᓄᒋᐊᑦᓯᓕᐅᒥᒍᑎᓪᓗ ᐃᓪᓗᐃᓂᐊᕐᐸᓕᐊᓂᐊᓕᕋᒥᒃ ᒐᒪ ᓂᓐᓂᐅᕋᓚᐅᑎᓕᓈᕐᑐᐃᓕᐅᓐᓃᑦ ᓂᓐᓂᐅᕋᓚᐅᑎᓕᐅᒥᓂᐊᓕᕋᒥᒃ.

ᖃᐅᔨᓴᐅᑎᕕᓂᖏᑦ ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᑲᑎᒪᔨᑦ (2013) ᐊᓪᓚᓯᒪᔪᕐᑕᖃᕐᐳᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᓂᖅ ᐱᒐᓱᐊᒻᒪᓇᑦᑕᐅᓯᑐᐊᕐᐸᑦ. ᑮᓇᐅᑦᔭᓴᑦᓯᐊᓂᕐᓴᐅᓕᕐᐸᑕ ᐃᓄᐃᑦ ᐃᓚᖏᑦ ᐊᒻᒪᓗ ᖃᓪᓗᓈᑦ ᐅᓄᕐᑐᒋᐊᓪᓗᑦ ᓄᓇᕕᒻᒥ ᓄᓇᓖᑦ ᐃᓚᖏᓐᓄᕐᖃᓯᐸᐸᑕ ᓱᕐᕋᑕᐅᒍᑎᐅᒍᓐᓇᐳᑦ ᐃᓪᓗᐃᓂᐊᕐᓂᖅ ᓂᓐᓂᐅᕋᓚᐅᑎᓂᕐᓴᐅᓯᓗᑎᓪᓗ ᐃᓪᓗᒥᐅᕐᖃᑎᒌᑦ, ᐋᖓᔫᓐᓇᑐᕐᑐᖃᑦᑕᓂᖅ ᐃᒥᐊᓗᖃᑦᑕᓂᕐᓗ ᐊᑐᕐᑕᐅᓂᕐᓴᐅᓯᓗᑎᒃ ᐋᖓᔫᓐᓇᑐᓂᓪᓗ ᓂᐅᕐᕈᓴᖃᑦᑕᓂᕐᓴᐅᓯᓗᑎᒃ, ᐁᑉᐸᓈᓐᓂᑯᑦ ᖁᐱᕐᕈᓂᒃ ᐁᑦᑐᑑᑎᑦᑐᓕᒍᓐᓄᓯᓗᑎᒃ, ᑲᐳᑎᒧᑦ ᐋᖓᔫᓐᓇᑐᕐᑐᖃᑦᑕᓯᓗᑎᒃ, ᓄᓕᐊᕐᓂᑯᑦ ᐊᐅᒃᑯᓗ ᐁᑦᑐᑑᑕᐅᓲᓂᒃ ᐁᑦᑐᑑᑎᖃᑦᑕᓗᑎᒃ (ᐊ.ᓴ.ᐱ.ᐅᓪᓗ ᖁᐱᕈᐊᕈᓯᖓᓂᓗ ᐁᑦᑐᑑᑎᓂᖅ), ᐱᐊᕐᑦᓴᑖᖃᑦᑕᓃᑦ ᐱᐊᕋᑦᓴᑖᕈᒪᒐᑎᒃ ᐅᑯᕐᓃᓐᓃᑦ ᐊᑦᑕᓇᕐᓯᓂᐅᔭᕐᓗᑎᒃ ᐱᐊᕋᑦᓴᖃᖃᑦᑕᓃᑦ, ᐃᓄᑑᑦᔨᓯᑎᒃ ᐱᕈᕐᓴᔪᑦ ᕿᑐᖅᒐᒥᓂᒃ ᐅᓄᕐᓂᓴᐅᓯᓗᑎᒃ, ᑮᓇᐅᔭᖃᑦᓯᐊᖏᑦᑑᓃᑦ, ᐃᓄᑦᑏᑎᒍᑦ ᐱᓗᒃᐅᑎᓃᑦ ᓄᓇᐊᕐᓂᑯᓪᓗ ᐱᓗᒃᐅᑎᓃᑦ, ᐸᕝᕕᓴᕐᓂᓃᑦ ᐊᒻᒪᓗ ᐋᖓᔫᓐᓇᑐᕐᑖᕈᒪᒧᑦ, ᓂᓇᒍᒪᒧᑦ, ᐃᓂᑦᓴᖃᕈᒪᒧᓪᓗᓃᑦ ᓴᐳᑦᔭᐅᒍᒪᓂᕐᒧᓗᓐᓃᑦ ᐁᑉᐸᖃᕐᑎᓯᖃᑦᑕᓃᑦ, ᑕᒪᒃᑯᐊ ᑐᑭᓯᒍᑎᐅᕗᑦ ᓄᓇᕕᒻᒥᐅᑉ ᓯᕐᕋᑕᐅᓂᓇᓪᓚᓇᒐᔭᕐᓂᖏᓐᓂᒃ (ᐅᖃᐅᓯᒃᑯᑦ ᐃᓕᕐᕐᑯᓯᕐᒥᒍᓪᓗ) ᒐᒪ ᐃᓱᒪᒃᑯᑦ ᐊᕐᓯᐆᓴᓗᐊᕈᑕᐅᓗᐊᕐᓂᖅᓴᓕᕐᒥᒐᒥᒃ ᓄᓇᓕᒻᒥᐅᓄᑦ.

ᖁᑉᐹᒍᑦᑕᐅᖅ, Moorhouse *et al.* (2011) ᐅᖃᕐᓯᒪᒻᒥᔪᑦ ᑮᓇᐅᔭᖃᑦᓯᐊᓂᕐᒥᒃ ᐅᐱᒍᓲᑎᐅᖃᑦᑕᕈᓇᐅᔪᓇᑦᓯᒥᔪᑦ, ᐃᓱᒣᓐᓇᕿᒍᓐᓇᓂᕐᒥᓗ ᐅᑉᐱᒋᓂᕐᒥᓗ. Blais (2013) ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᐱᓇᓯᑦᑎᐅᓂᕐᒥᒃ ᐅᐱᒍᓲᑎᑦᓯᐊᒍᒐᔭᕐᑐᓇᑦᓯᒥᔪᑦ.

ᑎᒣᒐᓗᐊᕐᑎᓗᒍ, ᑭᐅᔪᕕᓃᑦ ᐊᐱᓲᑎᖏᓐᓂᒃ ᖃᐅᔨᓴᕐᑐᑦ Rodon *et al.* ᐃᓱᒪᓯᒪᕗᑦ ᐅᔭᕋᕐᓂᐊᓃᑦ ᓱᕐᖽᓂᕐᓗᓂᕐᖃᑐᐃᓐᓇᓇᐊᖃᕐᓂᖏᓐᓂᒃ ᐃᓄᐃᑦ ᐃᓕᕐᕐᑯᓯᖓᓂᒃ, ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᖓᓂᒃ ᒪᑭᑕᑦᓯᐊᓇᐊᖃᕐᓂᖓᓂᒃ, ᐊᖑᒍᑏᑦ ᐊᕐᓂᑦ ᐃᓄᖃᑎᒌᓐᓂᖓᓂᒃ, ᐃᓚᒋᓐᓂᒥᒃ ᓄᓇᓕᓂᓪᓗ.

ᐱᑦᓴᑖᓇᐊᓪᓚᕈᑕᐅᒍᓐᓇᖏᑦᑐᑦ ᐅᔭᕋᕐᓂᐊᕕᓐᓂᑦ ᐱᔭᐅᓲᒍᒪᒪᑕ, ᐅᔭᕋᕐᓂᐊᕕᑦ ᐅᒃᑯᐊᓂᑦᓴᖃᓛᕐᑎᓗᒋᑦ ᐃᓱᒪᒋᔭᐅᓂᖃᓇᐊᖃᓲᒍᐳᑦ, ᐱᒋᐊᕐᓂᖃᕐᓯᑎᒃ, ᐊᐅᓚᑕᐅᓂᖃᕐᓇᓱᑎᒃ, ᐅᒃᑯᐊᑕᐅᓂᖃᕐᓯᑎᓪᓗ (INSPQ, 2013b). ᐅᔭᕋᕐᓂᐊᕕᒃ ᐅᒃᑯᐊᑕᐅᓂᖃᑐᐊᕐᒪᑦ, ᐱᕝᓪᓕᕐᑯᑎᐅᓂᖓ ᐱᓇᓱᒪᖃᕐᕕᐅᓂᕐᒧᑦ ᓄᕐᖃᓲᖅ, ᕿᒥᓐᓇᑕᐅᒥᑯᐃᑦ ᐅᔭᕋᕐᓂᐊᕕᐅᓯᒪᔪᑦ ᑖᒃᑯᑑᓯᑎᓪᓗᒋᑦ. ᒐᒪ, ᐱᕝᓪᓕᕐᑯᑎᐅᖅᑭᓂᕐᓴᕕᓃᑦ ᓄᐃᑕᓂᕐᓴᐅᓂᐊᓕᕐᒪᑕ (Gosselin *et al.*, 2014).[12] Brisson's (2014) ᐊᑐᐊᕐᑦᓴᓕᐊᕕᓂᖏᑦ

[12] ᓲᑭᐊᒍᒪᓗᐊᖅ, ᓄᓇᕕᒻᒥ ᐃᐸᓄᓐᓇᑕᐅᓯᒪᔪᖃᕐᐳᖅ ᐅᔭᕋᕐᓂᐊᕕᐅᓯᒪᔪᓂᒃ ᐱᐅᓕᐊᓇᐊᑦᓯᐊᑕᐅᒥᐊᖃᓕᕐᑐᓂᒃ (ᑲᑎᕕᒃ ᓄᓇᓕᓕᒫᑦ ᑲᑭᒪᖓ, 2012).

ᓱᕐᑯᐃᓯᒍᑎᑦᓴᑕᖅᖃᕐᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᒍᓐᓇᕋᓗᐊᕐᓱᓂᓗ, ᐅᔭᕐᓂᐊᕕᐅᑉ ᐃᓱᒪᒥᒃ ᐃᓅᓯᕐᒥᓗ ᓱᕐᖤᓂᖃᓲᒍᓂᖕᒐᓂᒃ. ᓄᓇᓕᑐᕐᕿᑦ ᓄᓇᓕᖕᒋᑦ ᐱᓗᐊᕐᑐᖅ ᓱᕐᕿᑕᐅᓂᖃᕐᓂᐸᐅᓲᑦ, ᓱᕐᕿᑕᐅᓲᒍᒪᒪᑕ ᑮᓇᐅᑦᔭᓴᕐᓂᒧᑦ, ᐃᓅᓯᒃᑯᑦ ᐱᒪᒪᓇᕐᑯᑎᒥᒍᓪᓗ (ᐃᒪᒥᓂᕐᓱᑐᐃᓐᓇᓯᓂᖅ ᓂᐅᕕᕋᕐᑎᖕᒍᕐᓂᓗ). ᐊᕙᑎᒥᓄᑦ ᐱᑐᑦᓯᒪᓂᖃᕐᓂᒥᓄᑦ ᐱᒪᒪᓇᐅᓂᖕᒐᓄᓪᓗ ᐊᕙᑎᒥᑕ, ᓱᕐᕿᑕᐅᓂᕐᐸᐅᓲᒍᒪᒥᒃ ᐊᓯᑦᔨᓂᖃᓯᑐᐊᕐᒪᑦ ᐊᕙᑎᖓ ᐊᓯᖕᒋᓐᓂᑦ ᓄᓇᕐᔪᐊᒥᐅᒍᖃᑎᒥᓂᑦ ᓱᕐᕿᑕᐅᒍᑎᒋᓂᕐᓴᓇᑦᓱᒍ. ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᓂᖅ ᐱᓪᓗᒍ, ᓱᒃᑯᓇᕐᑐᑕᓖᑦ (radioactive) ᓱᕈᕐᓇᔭᐅᓲᒍᒪᒪᑕ ᐊᕙᑎᒥᒃ ᓱᒃᑯᐃᔭᖕᒎᓇᔭᐅᑦᓱᑎᒃ ᓂᕿᑐᐃᓐᓇᓂᓪᓗ (ᑕᑯᓗᒋᑦ ᓱᕗᓪᓖᑦ ᐅᖃᐅᓯᕐᑕᖕᒋᓐᓃᑐᑦ) ᓇᐅᑐᐃᓐᓇᓄᑦ ᐃᕐᕿᒍᑕᐅᓲᒍᒪᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᓲᓂᒃ ᐱᑦᓴᑖᕕᓴᓕᐅᕐᕕᓂ (nuclear industry) (INSPQ, 2013). ᑕᒪᒃᑯᐊ ᓱᕈᕐᓇᔭᐅᔪᑦ ᐃᓄᐃᓪᓗ ᖃᓄᐃᖕᖕᒋᓯᐊᓇᐊᖃᕐᓂᖕᒐᓂᒃ ᓱᕐᖤᓂᓇᑐᐃᓐᓇᓇᐊᓕᖕᒋᑦ ᖃᐅᔨᒪᒍᑎᑦᓴᓚᓇᐅᕗᑦ ᓱᕐᖤᓂᕐᓗᕈᑎᐅᒍᓐᓇᑐᓂᒃ. .

ᓄᓇᕕᒪᒥ ᓄᓇᓖᑦ ᐊᑦᑕᓇᕐᓱᒋᐊᓪᓚᑐᐃᓐᓇᓇᐊᖃᕐᒥᔪᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᐱᓐᖤᓗᑕᓇᓕᓈᕐᑕᖕᒋᑦ ᑕᑯᑦᓱᒋᑦ. ᐅᓄᕐᑐᑦ ᖃᐅᔨᒪᐅᑎᑦᓴᑦ (ᐃᓄᐃᑦ ᐋᖕᒐᔭᓐᓇᑐᓂᒃ ᐅᐃᓇᓯᒪᔪᑦ, ᐃᓚᒋᑦ ᐱᓗᒃᐅᑎᔪᑦ ᐊᒻᒪᓗ ᓄᓕᐊᕐᓂᑯᑦ ᐱᓗᒃᐅᑎᓃᑦ, ᐊᒥᓱᐃᓪᓗ ᑭᐱᓯᖃᑦᑕᑐᑦ ᐃᓅᓯᕐᒥᓂᒃ) ᓱᕐᕐᑯᐃᓯᒍᑎᑦᓴᐅᕗᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᐱᓐᖤᓗᑕᓇᓕᓈᕐᑕᖕᒋᓐᓂᒃ ᓄᓇᓖᑦ.

ᐃᓱᒫᓅᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒪᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᐅᑦᓯᐊᕐᑯᔨᕗᑦ ᐃᑦᓴᓂᑕᓕᓇᕕᓐᓂᒃ, ᐃᓗᕕᖃᐅᑎᓂᓪᓗ, ᖃᐅᔨᓴᕐᓂᖃᓕᕐᐸᑦ ᓱᕐᕿᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᐅᔭᕐᓂᐊᓂᖃᓚᐅᕐᑎᓇᒍ.

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒪᒥᐅᑦ ᐃᓱᒪᒋᔭᖃᕐᕗᑦ ᓄᓇᕕᐅᑦ ᓯᓚᑖᓂᑦ ᐱᔪᑦ ᐱᓇᓱᒋᐊᕐᑐᑐᑦ ᑎᑭᐅᕐᖃᓯᐸᐸᑕ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᖤᓂᓇᒐᔭᕐᑕᖕᒐᓂᒃ, ᐱᓗᐊᕐᑐᖅ ᓄᓇᓕᖕᓂ ᐅᔭᕐᓂᐊᕕᐅᔪᑦ ᓴᓂᐊᓂᒥᐅᓂᒃ. ᐃᓱᒫᓐᓇᓗᐊᕐᑎᓗᒍ ᐃᓄᑑᑦᑎᑐᑦ, ᐃᓚᒋᓪᓗ ᓄᓇᓖᓪᓗ ᐅᔭᕐᓂᐊᕕᑦ ᓴᓂᐊᓖᑦᑐᑦ ᐱᒐᓱᐊᒻᒪᓇᖕᓂᓇᖃᑦᑕᓂᐊᕐᑕᖕᒋᑦ ᓄᑖᒥᒃ ᐊᑐᑎᒋᐊᖃᓯᒍᑎᒃ.

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒪᒥᐅᑦ ᐃᓱᒪᒋᔭᖃᕐᕗᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᐱᓐᖤᓗᑕᐅᖃᑦᑕᕋᔭᕐᑐᓂᒃ ᓄᓇᕕᒪᒥ ᐅᔭᕐᓂᐊᓂᖃᓚᖕᒐᑐᐊᕐᐸᑦ. ᓄᖕᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᓂᖃᓚᖕᒐᐸᑦ ᐱᓗᐊᕐᑐᖅ, ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᕿᑕᐅᓂᕐᓗᕈᑎᐅᒍᓐᓇᑐᑦ ᓄᐃᓂᕐᓴᐅᑐᐃᓐᓇᓇᐊᖃᕐᒪᑕ ᐱᕙᓪᓕᕐᑯᑎᐅᒐᔭᕐᑐᓂᑦ ᓄᓇᕕᒪᒥᐅᓄᑦ.

ᑕᒪᑐᒪ ᖃᐅᔨᓴᕐᑕᐅᓯᒪᓗᐊᖕᖕᒋᓂᖕᒐᓄᑦ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒪᒥᐅᑦ ᐃᓱᒪᒋᔭᖃᕐᕗᑦ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᓱᕐᕿᑕᐅᓯᒪᐅᑎᖕᒋᑦ ᐃᓄᐃᑦ ᐊᓪᓚᑕᐅᓯᒪᒋᐊᖃᕐᓂᖕᒋᓐᓂᒃ ᐅᔭᕐᓂᐊᓖᑦ ᐱᕙᓪᓕᐊᔭᐅᓕᕐᑎᓗᒋᑦ, ᐅᔭᕐᓂᐊᕐᑦᓴᓯᐅᕐᓂᐅᑉ ᐱᒋᐊᕐᑕᐅᓯᒪᓂᖕᒐ ᐱᒋᐊᕐᕕᒋᓗᒍ.

8. ᐱᓇᓱᑦᑏᑦ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖃᕐᓂᖏᑦ

ᐱᖁᔭᑎᒍᑦ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖃᕐᓂᖏᑦ ᐱᓇᓱᑦᑏᑦ

ᑲᓇᑕᒥ ᓱᒃᑯᓇᕐᑐᖃᕐᑎᓯᑦᑐᓕᓂᕐᒧᑦ (Nuclear) ᖃᐅᔨᓴᕐᑏᑦ ᒪᓕᒐᓕᐅᕐᑎᐅᒋᐊᖃᕐᐳᑦ ᐊᖓᔪᕐᖃᐅᕕᖃᕐᓗᑎᓪᓗ ᓄᖑᔪᐃᑦᑐᑦ ᐅᔭᕋᕐᓂᐊᑕᐅᓂᖓᓂᒃ ᐱᑦᓴᓕᐊᒍᓂᖓᓂᓗ ᑲᓇᑕᒥ. *ᓱᒃᑯᓇᕐᑐᖃᕐᑎᓯᑦᑐᓕᓂᕐᒧᑦ (Radiation) ᒪᓕᒐᓕᐊᒍᓯᒪᔪᑦ* ᐅᖃᐅᓯᕐᑕᖃᕐᐳᑦ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒥ (nuclear) ᐱᓇᓱᐊᕐᑐᑦ ᐊᖏᓂᕐᐸᐅᒍᓐᓇᑐᒥᒃ ᐊᑦᑐᑕᐅᓂᖃᕈᓐᓇᑎᓪᓗᒋᑦ ᓱᒃᑯᓇᕐᑐᒍᑦ (radiation) ᑲᓇᑕᒥ, ᐅᑦᑑᑎᒋᑦᓱᒍ 50 mSv ᐊᕐᕌᒍᑕᒫᑦ ᐊᒻᒪᓗ 100 mSv ᐊᕐᕌᒍᓂ ᑕᓪᓕᒪᓂ. ᐱᓇᓱᑦᑎ ᐱᐊᕋᑦᓴᓕᒃ ᓱᕐᖁᐃᑕᐅᓕᕐᓱᓂ ᐱᐊᕋᑦᓴᖃᓇᐊᖓ ᐊᑦᑐᑕᐅᓂᖃᕈᓐᓇᑎᓪᓗᒋᑦ 4 mSv ᓱᒃᑯᓇᕐᑐᒍᑦ ᐱᐊᕋᑦᓴᖃᕐᓂᓕᒫᒥᓂ. ᒪᓕᒐᖅ ᐅᖃᐅᓯᕐᑕᖃᕐᒥᔪᖅ ᐱᓇᓱᕝᕕᐅᔪᑦ ᑲᔪᓯᑎᑦᓯᒋᐊᖃᕐᓂᖏᓐᓂᒃ ᓱᒃᑯᓇᕐᑐᖃᕐᑎᓯᑦᑐᓕᒋᐊᖃᕐᓂᒥᒃ ᓱᒐᓗᓗᐊᕐᑐᒥᒃ (ALARA principle) ᐊᑦᑐᑕᐅᓂᖃᕐᑯᓇᒋᑦ ᐊᒻᒪᓗ ᐃᐸᐱᒋᔭᖃᓇᐊᖃᖅᓂᖏᓐᓂᒃ ᐊᓪᓚᖃᑦᑕᓗᑎᓪᓗ ᖃᓄᓪᓗᐊᑎᒋᑦ ᐊᑦᑐᑕᐅᓂᓇᖃᑦᑕᑕᖏᓐᓂᒃ ᐱᓇᓱᑦᑏᑦ (CNSC, 2014).

ᑯᐯᒻᒥ, *ᐱᖁᔭᖅ ᐱᑦᔪᑎᓕᒃ ᐱᓇᓱᕝᕕᒥ* ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᐊᑦᑕᓇᕐᓯᒐᓕᒋᐊᖃᕐᓂᒥᓪᓗ (c. S-2.1) ᐅᖃᐅᓯᕐᑕᖃᕐᐳᖅ ᐱᓇᓱᑦᑎᓕᒫᑦ ᐱᒍᓐᓇᐅᑎᖃᕐᒪᑕ ᐱᓇᓱᓐᓂᒍᑦ ᒪᓕᒐᕐᓂᒃ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒥᓄᑦ ᐊᑦᑕᓐᑦᑐᒦᒋᐊᖃᕐᓂᒥᓄᑦ ᑎᒥᒃᑯᓗ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒥᓄᑦ (ᐅᖃᐅᓯᕐᑕᖏᓐᓂ 9-ᒦᑦᑐᓂ). ᐊᒻᒪᓗ, ᐱᓇᓱᕝᕕᓕᒫᑦ ᐱᕕᓕᒫᒥᒍᑦ ᐱᓇᓱᑦᑎᓂᒃ ᐊᑦᑕᓇᕐᓯᑎᑦᓯᑐᓕᒋᐊᖃᕐᑎᓗᒋᑦ (ᐅᖃᐅᓯᕐᑕᖏᓐᓂ 51-ᒦᑦᑐᓂ). *Programme spécifique à l'établissement* (ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒍᑦ ᐱᓇᓱᑦᑕᐅᔪᑦᓴᕐᑯᑎᖅᖏᑦ PSSE) ᓱᒐᑦᓴᖃᕐᑎᓯᒍᑎᑦᓴᑕᖃᕐᐳᑦ ᑐᓴᐅᒪᑎᑦᓯᒍᑎᑦᓴᓂᒃ ᐱᓇᓱᑦᑎᓂᒃ ᐱᓇᓱᕝᕕᒥ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᑐᐃᓐᓇᓇᐊᓕᓐᓂᒃ ᖃᓄᕐᑑᓇᐊᕈᑎᑦᓴᓂᓪᓗ (ᐅᖃᐅᓯᕐᑕᖏᓐᓂ 113-ᒦᑦᑐᓂ).

ᑯᐯᒻᒥ, ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᖅ ᐅᖃᐅᓯᐅᕙᐸᐳᖅ ᐃᐸᐱᒋᔭᐅᑦᓯᐊᓱᓂ. ᒪᓕᒐᓕᐊᒍᓯᒪᔪᑦ ᑐᕋᒐᖃᕈᑕᐅᑎᓪᓗᒋᑦ ᐊᑦᑕᓇᕐᑐᖃᕐᑎᓯᑦᑐᓕᓂᕐᒥᒃ ᖃᓄᐃᖅᖏᓯᐊᖁᑦᓯᒋᑦ, ᐊᑦᑕᓐᑦᑐᒦᖁᑦᓯᒋᑦ ᑎᒥᒃᑯᓗ ᖃᓄᐃᖅᖏᓯᐊᖁᑦᓯᒋᑦ ᐱᓇᓱᑦᑏᑦ, ᐊᑦᑕᓇᕐᓯᑎᑦᓯᑐᓕᒍᒪᒍᑦ ᑲᔪᓯᑎᑦᓯᓂᒃᑯᑦ ᐊᑦᑕᓇᖅᖏᓂᕐᓴᓂᒃ ᐊᓯᐊᒎᓇᐊᕈᑎᑦᓴᓂᒃ ᐅᕝᕙᓘᓐᓃᑦ ᐃᑯᓪᓚᑎᑦᓯᒋᐊᕐᓂᑯᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᑐᐃᓐᓇᓇᐊᓕᓐᓂᒃ. ᑕᒪᓐᓇ ᐅᖃᐅᓯᐅᕙᑦᑐᖅ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᑦ ᖃᐅᔨᒪᔭᐅᒐᓗᐊᕐᒪᑕ, ᐊᒻᒪᓗ, ᓱᒃᑯᓇᕐᑐᑕᓖᑦ ᐃᓚᖏᑦ ᐱᓪᓗᒋᑦ, ᐱᓇᓱᑦᑏᑦ ᐊᑦᑐᑕᐅᓂᖃᕐᓯᒪᓪᓗᐊᖏᒃᑲᓗᐊᕐᐸᑕ ᒪᓕᒐᓕᐊᒍᓯᒪᔪᑎᒍᑦ ᒪᓕᒐᐅᔪᑎᒍᓪᓘᓐᑦ ᖃᓄᐃᓪᓗᐊᓇᐊᖃᕐᓂᕐᑕᐅᔪᒥᒃ *(ᒪᓕᒐᖅ ᐱᑦᔪᑎᓕᒃ ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᐊᑦᑕᓇᕐᓯᒐᓕᒋᐊᖃᕐᓂᒥᓪᓗ,* c. S-2.1, r. 19.01, *ᐅᖃᐅᓯᕐᑕᖏᓐᓂᑐᑦ 42-ᒦᑦᑐᑦ).*

ᐱᓇᓱᑦᑏᑦ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖃᕐᓂᖓ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᕕᓂ

ᑭᓪᓕᓯᓂᐊᕈᑕᐅᒋᐊᖅᖓᑎᓪᓗᒍ ᑕᒪᓐᓇ ᑰᑦᔪᐊᒥ ᔫᓂ 2014-ᒥ, ᐃᓱᒫᓗᑦᑐᖃᖃᑦᑕᓚᐅᔪᕗᖅ ᐃᓄᐃᑦ ᐱᓇᓱᑦᑏᑦ ᐃᑰᑕᕐᑎᐅᖃᑕᐅᔪᑦ ᓴᐳᑦᔭᐅᓯᒪᑦᓯᐊᕋᓗᐊᕐᒪᖔᑕ (ᓂᐅᕐᖃᓈᒃᑯᑎᓯᒪᖃᑦᑕᓚᐅᔪᖅᖏᒪᑕ). ᐃᓱᒫᓗᒋᔭᐅᓚᐅᔫᑦ ᐊᑦᑕᓇᕐᑐᒦᖃᑦᑕᒪᖔᑕ ᓄᓇᕕᒻᒥ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᓂᖃᕐᑎᓗᒍ.

ᖃᐅᔨᒪᑦᓯᐊᓇᖅᖏᑐᖅ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᓂᕋᑦᑕᐅᓯᒪᔪᑦ ᓱᓕᓪᓚᓇᒐᓗᐊᕐᒪᖔᑕ. ᑐᒥᒐᓗᐊᕐᑎᓗᒍ, ᐱᓇᓱᕝᕕᐅᔪᑦ ᑐᓴᐅᒪᑎᑦᓯᒋᐊᖃᕐᐳᑦ ᐱᓇᓱᑦᑎᒥᓂᒃ ᓱᓂᑦ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᒪᖔᑕ, ᐅᔭᕋᕐᓂᐊᕋᑦᓴᓯᐅᕐᓂᒥᐅᒐᓗᐊᖅ, ᖃᓄᕐᓗ ᐊᑦᑕᓇᕐᓯᒍᓕᔪᖃᕈᓐᓇᒪᖔᑕ ᐃᐸᐱᒍᓱᑦᓯᐊᕋᓱᐊᖅᖏᒃᑲᓗᐊᕈᑎᒃ ᑮᓈᕐᓯᒪᒋᐊᖃᕐᑐᓇᖅᖏᒃᑲᓗᐊᕈᑎᒃ ᐊᓯᖏᓐᓂᓘᓐᓃᑦ ᐊᕐᕕᓇᕐᑐᓕᒪᒍᑎᑦᓴᓂᒃ ᐊᑐᕐᓂᖏᒃᑲᓗᐊᕈᑎᒃ. ᐱᓇᓱᕝᕕᐅᔪᑦ ᑐᑭᓯᒪᑎᑦᓯᒋᐊᖃᕐᐳᑦ ᐱᓇᓱᑦᑎᒥᑕ ᑐᑭᓯᒪᒋᐊᓕᖏᓐᓂᒃ. ᐅᖃᐅᓯᕐᑕᖏᓐᓂᑐᑦ 10-ᒦᑦᑐᓂ *ᐱᖁᔭᐅᑉ ᐱᑦᔪᑎᓕᐅᑉ ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᐊᑦᑕᓐᑦᑐᒦᒋᐊᖃᕐᓂᒥᓪᓗ*

ᑕᒪᑐᒧᖓᐅᓕᖓᕗᖅ, ᐅᖃᐅᓯᕐᑕᖃᕐᒥ ᐱᓇᓱᑦᑎ, “ᐱᒋᐅᕐᓴᑎᑕᐅᓯᒪᒋᐊᖃᕐᑎᓗᒍ, ᑐᓴᐅᒪᑎᑕᐅᒋᐊᖃᕐᑎᓗᒍ ᐅᖃᕕᑦᓴᖃᕐᑎᑕᐅᒋᐊᖃᕐᑎᓗᒍᓗ ᐱᓇᓱᒡᕕᒥ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᖅ ᐊᑦᑕᓐᑦᑐᒦᒋᐊᖃᕐᓂᓗ ᐱᓪᓗᒋᑦ, ᐱᓗᐊᕐᑐᖅ ᐱᓇᓱᒐᖓᓄᓕᖓᔪᓂᒃ ᐱᓇᓱᒡᕕᖓᓄᓕᖓᔪᓂᓪᓗ, ᐃᓕᓴᕐᑕᐅᓯᐊᖃᑦᑕᓗᓂᓗ, ᐱᒋᐅᕐᓴᑎᑕᐅᓂᖃᖃᑦᑕᓗᓂᓗ ᐅᑉᐱᒋᔭᐅᑦᓯᐊᓗᓂᓗ; [ᐊᒻᒪᓗ] ᐱᒍᑦᔭᐅᖃᑦᑕᓗᓂ ᐃᑯᓪᓚᑎᑦᓯᒐᓱᐊᕈᑎᓂᒃ ᒪᒥᓴᕈᑎᑦᓴᓂᓪᓗ ᐊᑦᑕᓇᕐᓯᒍᑎᒋᑐᐃᓐᓇᓇᐊᓕᒥᓄᓕᖓᔪᓂᒃ […].”

ᐊᑦᑕᓇᕐᓯᒍᑕᐅᓂᕐᓴᐅᒐᔭᕐᓂᖓ ᑐᑉᑭᑦᓱᒍᔪᖃᕈᓂ

ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᑏᑦ ᖃᓄᐃᖅᑭᑐᑦᓯᐊᕕᓂᐅᓗᑎᒃ ᐊᑦᑕᓇᕐᓯᐅᑎᒋᒍᓐᓇᑕᖅᒋᑦ ᐊᓪᓚᑕᐅᓯᒪᑦᓯᐊᐳᑦ (INSPQ, 2013). ᐅᖃᐅᓯᕐᑕᖅᒋᑎᒍᑦ CNSC (2014), ᐱᓇᓱᑦᑏᑦ ᓄᐊᐸᑖᓂᒃ ᓂᐅᕐᖃᓱᒍᒐᒥᒃ ᓄᖅᒍᔪᐃᑦᑑᑉ ᐳᔪᖓᓂᑦ (ᓱᔪᓐᓂᐅᓂᖓᓂᒃ). ᐊᑑᑎᖃᑦᑕᓯᒪᔪᑎᒍᑦ, ᓱᔪᓐᓂᖓᓂᑦ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᑏᑦ ᓱᕐᕋᑕᐅᒍᑎᖃᕐᓂᐸᐅᖃᑦᑕᓯᒪᔪᑦ. ᓱᔪᓐᓂᖓᓂᑦ ᓱᕐᕋᑕᐅᕝᓕᐊᒍᑕᐅᓂᖓ ᐳᕝᑯᑦ ᑲᒡᒍᑎᑖᕈᑕᐅᑐᐃᓐᓇᓇᐊᖃᓂᕐᕋᑕᐅᓯᒪᔪᖅ (CNSC, 2014). ᖃᐅᔨᒪᓇᖅᑭᑐᖅ ᐊᑦᑕᓇᕐᓯᓂᐅᔭᖅᑭᑑᒋᐊᖓ. ᐅᔭᕋᕐᓂᐊᕕᐅᓕᕐᑐᓂ, ᐅᔭᕋᕐᓂᐊᑏᑦ ᓄᐊᐸᑖᓄᑦ ᐊᑦᑐᑕᐅᓂᐅᔭᓗᐊᖏᒍᒍᓐᓂᑐᑦ. 2013-ᒥ, ᐊᕐᕌᒍᓕᒫᒥ ᑲᓇᑕᒥ ᐅᔭᕋᕐᓂᐊᑏᑦ ᓂᐅᕐᖃᓯᒪᓂᖓ 0.53 mSv -ᒦᕝᕙᓪᓗᓯᒪᔪᖅ ᓂᐅᕐᖃᓯᒪᓂᕐᐸᒍᓂᖅ 15 mSv -ᒥᑦᑎᓯᒍᕐᑎᓗᒍ (CNSC, 2014).

ᓄᓇᕕᒻᒥ, ᑐᑉᑭᑦᑏᑦ ᐅᓄᕐᑐᒪᓇᐅᓂᖅᑭᑦ (77%-ᒍᒻᒪᑕ ᑐᑉᑭᑦᑏᑦ) ᐃᓱᒪᒋᔭᐅᕐᖃᑕᐅᒋᐊᖃᕐᐳᑦ ᑐᑉᑭ ᓱᕐᓄᓯᒪᕐᖃᑕᐅᒻᒪᑦ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒧᑦ (radon). ᑲᓇᑕᒥ ᖃᐅᔨᓴᕐᑏᑦ (NRC 1998 in Moorhouse *et al.*, 2011) ᐅᖃᕐᓯᒪᒻᒪᑕ ᓱᓕᓂᖅᑭᓐᓂᒃ ᑖᒃᑯᐊ ᐅᖃᐅᑉᑦ: “[…] ᑲᒡᒍᑎᑖᓚᕿᒍᑕᐅᓂᕐᓴᐅᑉᒍᐳᖅ ᑐᑉᑭᑦᑏᒍᓯᒪᔪᓄᑦ ᓱᒃᑯᓇᕐᑐᑕᖓ (radon) ᐊᓯᖅᑭᓐᓂᑦ ᑐᑉᑭᐅᑉ ᐅᐊᕈᑦᓯᐅᑎᖅᑭᓐᓂᑦ ᑖᑦᓯᒪᖅᖓᑐᐃᓐᓇᓗ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒥᑦ (radon).” ᑕᒪᓐᓇᑕᒐ ᐃᓱᒫᓗᑎᐅᒋᐊᓪᓚᓇᐊᓕᒃ ᐅᖃᕐᑕᐅᓯᒪᒻᒪᑦ ᐊᓪᓚᑕᐅᓯᒪᔪᓂ Moorhouse *et al.* (2011), ᐳᕝᑯᑦ ᑲᒡᒍᑎᖃᕐᓂᐸᐅᓂᕐᕋᑕᐅᒪᑕ ᐃᓄᐃᑦ ᓯᓚᕐᔪᐊᓕᒫᓂᑦ ᐅᓄᕐᓯᕝᕙᓪᓕᐊᑐᐃᓐᓇᓱᑎᓪᓗ ᑲᒡᒍᑎᓖᑦ. ᓄᓇᕕᒻᒥᐅᑦ ᐳᕝᑯᑦ ᑲᒡᒍᑎᓖᑦ ᐅᓄᕐᓂᓴᐅᕐᑦ ᓯᑕᒪᕕᓪᓗᐊᑐᒥᒃ ᑯᐯᒻᒥ ᑲᒡᒍᑎᖃᕐᑐᓂᑦ.

ᑎᒣᒻᒪᑦ, ᓱᒃᑯᓇᕐᑐᑕᖃᕐᓂᓴᐅᓂᖓᓄᑦ (radon) ᓄᓇᐅᑉ ᐊᑖᓂ ᐅᔭᕋᕐᓂᐊᓲᑦ ᑐᑉᑭᓗᐊᓲᒍᓗᑎᓪᓘᑐᐊᕈᑎᒃ ᓄᓇᕕᒻᒥ ᐱᓇᓱᑦᑏᑦ ᐳᕝᓕᓇᕝᓪᓕᐊᓯᒍᓐᓇᑐᑦ. ᑭᓯᐊᓂ, ᖃᐅᔨᒪᔭᐅᒋᐊᖃᕐᐳᖅ, ᑯᐯᒻᒥ ᒪᓕᒃᑦ ᐊᓂᕐᑎᓇᕕᑦᓴᖃᑦᓯᐊᕐᑯᔨᔪᕐᑕᖃᕐᒪᑕ ᐱᓇᓱᕝᕕᒥ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᑦ ᐃᑯᓪᓚᑎᒋᐊᕈᒪᓗᒋᑦ ᐊᓂᕐᑎᓇᑦᓯᐊᕕᐅᒍᓐᓇᒋᐊᖃᕐᒪᑦ ᐱᓇᓱᕝᕕᐅᔪᖅ.

ᐳᕝᒻᒥᓂᒃ ᐱᓐᓂᓗᑕᖃᑐᐃᓐᓇᓇᐊᖃᕐᒥᔪᑦ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᑏᑦ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒦᖃᑦᑕᓂᕈᑎᒃ (silica) ᐅᕝᕙᓘᓐᓃᑦ ᐅᕐᓱᐊᓗᒻᒥᒃ ᓂᐅᕐᖃᓇᕐᑐᒦᑦᑐᕕᓂᐅᒍᑎᒃ, ᑐᑉᑭᑦᑏᒍᒍᑎᒃ ᐱᓗᐊᕐᑐᖅ . ᐅᔭᕋᕐᓂᐊᑕᐅᓯᒪᔪᑦ Cape Smith belt ᓴᓂᐊᓂ, ᓄᒃᓚᒻᒥ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᐊᒻᒪᓗ ᓄᓇᕕᒻᒥ ᓂᑯᓪᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ, ᓱᒃᑯᓇᕐᑐᑕᖃᑐᐃᓐᓇᓇᐊᓖᑦ (asbestos). ᖃᐅᔨᓴᕐᑐᖃᓕᕐᐸᑦ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᐅᓛᕐᑐᑦ ᐊᕙᑎᖓᓂᒃ, ᖃᐅᔨᓴᕐᑕᐅᒋᐊᖃᓛᕐᕐᑯᖅ ᓱᒃᑯᓇᕐᑐᑕᖃᕐᒪᖔᑦ (asbestos), ᓇᓖᓪᓗᑐᕐᒪᖔᓪᓗ, ᐱᓇᓱᕝᕕᒥ ᐊᑦᑕᓇᕐᑑᒍᓐᓇᑐᑦ ᐅᖃᐅᓯᐅᓕᕐᐸᑕ.

ᐋᓐᓂᐊᓯᐅᕐᑕᐅᒋᐊᖃᕐᓂᒍᑦ ᐅᐃᒪᓇᕐᓯᔪᑦ

ᐱᓇᓱᑦᑏᑦ ᐋᓐᓂᐊᓯᐅᕐᑕᐅᕕᑦᓴᖃᓲᑦ (ᐅᖃᐅᓯᕐᑕᖅᑭᓐᓃᑦᑐᑦ 115-ᒥ ᐱᕐᑯᔭᐅᑉ ᐱᑦᔪᑎᓕᐅᑉ ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᐊᑦᑕᓇᕐᓯᑌᓕᒋᐊᖃᕐᓂᒥᓪᓗ) ᐅᔭᕋᕐᓂᐊᕕᒻᒦᑐᒥᒃ. ᑭᓯᐊᓂ ᐋᓐᓂᐊᕕᒻᒥᒃ ᖃᓂᑕᖃᖅᑭᑐᒦᑦᑐᑦ ᐅᔭᕋᕐᓂᐊᕕᑦ ᓄᓇᕕᒻᒥ ᐅᖓᓯᒋᔭᐅᔪᒦᑦᑐᒥ, ᓄᓇᓖᑦ ᐅᖓᓯᒋᔭᐅᔪᒦᒻᒥᑎᓪᓗᒋᑦ. ᑲᒪᒋᔭᐅᑦᓴᐅᑎᒋᒋᐊᖃᕐᑐᖃᕐᐸᑦ ᐋᓐᓂᐊᓯᐅᕐᑕᐅᒋᐊᓕᒻᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᒻᒦᑐᓄᑦ ᑲᒪᒋᔭᐅᒍᓐᓇᖅᑭᑦᑐᒥᒃ

ᖃᓂᓐᓂᐸᒧᑦ ᓄᓇᓕᒻᒧᑦ ᐊᐅᓪᓚᑎᑕᐅᔪᖃᓇᐊᖃᓲᖅ ᓇᓪᓕᖕᒋᓐᓄᓘᓐᓃᑦ ᐋᓐᓂᐊᕕᓐᓄᑦ (ᑰᑦᔪᐊᒦᑦᑐᒧᑦ ᐳᕕᖅᓂᑐᒦᑦᑐᒧᓪᓗᓃᑦ). ᐋᓐᓂᐊᓯᐅᖅᑕᐅᒋᐊᓕᒃ ᐊᐅᓪᓚᑐᑦᓴᓕᐊᒍᑐᐃᓐᓇᓇᐊᖃᖅᒥᓱᓂ ᐋᓐᓂᐊᕕᒻᒪᓇᒻᒧᑦ ᒪᓐᑐᓇᐊᒦᑦᑐᒧᑦ ᑯᐯᒃ ᓯᑎᒦᑦᑐᒧᓪᓗᓃᑦ. ᐅᔭᕋᖅᓂᐊᕕᒻᒥᑦ ᓄᓇᒃᑰᔫᒃᑯᑦ ᐊᐅᓚᑕᐅᒍᓐᓇᕋᓗᐊᖅᓱᑎᒃ ᓄᓇᓕᒻᒧᑦ, ᑲᑦᒪᒃᑯᑦ ᐋᓐᓂᐊᔪᖅᑕᒋᑎᖅᒋᓐᓄᒃ ᖃᔫᒻᒥᒍᓕᖅᑯᑎᖅᒋᓐᓄᓘᓐᓃᑦ ᐊᐅᓪᓚᐅᔭᐅᒋᐊᖃᓲᑦ. ᓄᓇᕕᒻᒥ ᓯᓚᖅᓂᓗᒻᒧᑦ ᑎᒻᒥᔫᓂᒍᓐᓇᖅᒋᐅᒪᓲᒍᒻᒥᓱᑎᒃ ᒥᒍᓐᓇᖅᒋᐅᒪᓲᒍᒻᒥᓱᑎᓪᓗ ᑎᒻᒥᔫᑦ. ᐅᐃᒪᓇᖅᑐᒥᒃ ᐊᐅᓪᓚᐅᔭᐅᒋᐊᓕᒃ ᐱᓇᓱᑦᑎ ᐊᐅᓪᓚᐅᔭᐅᑦᓴᐅᑎᒋᖅᖅᒋᑯᓂ ᐅᔭᕋᖅᓂᐊᕕᒻᒥᑦ ᐅᔭᕋᖅᓂᐊᕋᑦᓴᓯᐅᖅᕕᒥᓪᓗᓃᑦ ᐋᓐᓂᐊᕕᓕᐊᓇᐊᖃᖅᓗᓂ ᐱᔭᓇᐊᑦᑐᑐᐃᓐᓇᓇᐊᖃᕋᔭᖅᒥᔪᖅ.

ᐊᖅᑯᓇᖅᑐᖃᖃᑦᑕᒋᓐᓇᑐᖅ. ᖃᐅᔨᓴᖅᑐᕕᓃᑦ ᑐᓴᖅᑎᓯᒍᑎᕕᓂᖅᒋᑦ ᑕᑯᑦᓱᒋᑦ ᑐᓴᖅᑎᓯᒍᑎᓕᐊᕕᓂᖅᒋᑦ ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᖅᒋᓯᐊᖅᓂᓕᓇᔨᖅᒋᑦᑕ ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᖅᒧᑦ ᐊᓪᓚᕕᐅᑉ, ᒫᑦᓯ 2012-ᒥ 27 ᐱᓇᓱᑦᑏᑦ ᑐᖅᑯᓐᓇᑐᒥᒃ ᐳᔪᖅᓗᒥᒃ ᓂᐅᖅᓯᑐᕕᓂᐅᓚᐅᔪᖅᑐᑦ ᐅᔭᕋᖅᓂᐊᕕᒻᒥ. ᒪᖅᑮᒃ ᐱᓇᓱᑦᑏᒃ ᑰᑦᔪᐊᒧᑦ ᐅᐃᒪᓇᖅᑐᑯᑦ ᐊᐅᓪᓚᐅᔭᐅᑎᓪᓗᒋᒃ, ᖃᐅᑐᐊᖅᒪᓗ ᐁᑉᐸᖓ ᒪᓐᑐᓇᐊᒧᑦ ᐊᐅᓪᓚᐅᔭᐅᒻᒥᓱᓂ ᐊᓂᖅᑎᓇᐅᑎᒦᑦᑎᑕᐅᒋᐊᖅᑐᓱᓂ. ᖃᐅᔨᒪᔭᐅᒋᐊᖃᖅᐳᖅ ᐱᓇᓱᑦᑏᑦ ᐳᔪᖅᓗᒥᒃ ᓂᐅᖅᓯᑐᕕᓃᑦ ᖃᖓᑦᑕᔫᒥ ᐃᑯᒪᑐᐊᑭᑎᒃ ᐊᑦᑕᓇᖅᓯᑐᐃᓐᓇᓇᐊᖃᖅᒪᑕ ᐊᓂᖅᓂᖅᖅᒋᓂᖅᓴᒦᓕᑭᑎᒃ ᖃᖓᑕᔫᒦᓪᓗᑎᒃ.

ᓯᕗᓂᖓᒍᑦ ᐸᖅᓱᒪᒍᑎᖃᖅᓂᖅ ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᖅᒋᓯᐊᓇᐊᖃᖅᓂᒥᒃ ᐊᑦᑕᓇᖅᓯᒌᓕᒋᐊᖃᖅᓂᒥᓪᓗ

ᐅᔭᕋᖅᓂᐊᓂᓕᓇᐆᑦ ᐸᖅᓱᒪᖅᑯᔭᐅᕗᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᑭᑎᑦᓴᓂᒃ ᐊᑦᑕᓇᖅᓯᒌᓕᒍᑎᑦᓴᓂᓪᓗ ᐅᔭᕋᖅᓂᐊᓂᖅᓴᑕ ᐱᒋᐊᖅᓂᖅᓴᓂᑦ ᐱᒋᐊᖅᓗᑎᒃ, ᐅᔭᕋᖅᓂᐊᓕᑭᑎᒃ ᑭᑭᐊᑦᓴᔭᐅᓂᖅᓴᓂᓪᓘᓃᑦ ᓇᑲᑎᓇᓕᑭᑎᒃ, ᐅᑉᑯᓘᓐᓃᑦ ᐃᒪᖅᒥᒃ ᐃᒥᕋᑦᓴᓕᐅᓕᑭᑎᒃ ᐱᓇᓱᑎᓂᓘᓐᓃᑦ ᓴᓇᒋᐊᑦᓯᐊᓕᑭᑎᒃ. ᓯᕗᖅᑮᓯᒪᖅᑲᑦᑕᕋᔭᖅᑐᑦ ᓱᒃᑯᓯᒪᒐᔭᖅᑐᓂᒃ, ᐱᓇᓱᑦᑏᒥ ᖃᓄᐃᒍᑎᐅᑐᐃᓐᓇᓇᐊᓕᓐᓂᒃ ᐊᑦᑕᓇᖅᓯᒍᑕᐅᑐᐃᓐᓇᓇᐊᓕᓐᓂᓗ, ᐋᖅᑭᓱᖅᑕᐅᕝᓪᓗᓴᓯᐊᕋᔭᖅᑐᓂᒃ ᑮᓇᐅᔭᖅᑐᑭᑕᐅᖅᑭᐊᓯᒪᔪᑦ ᐱᓇᓱᑦᑕᐅᓕᓈᖅᑎᓗᒋᑦ ᐱᔭᓈᖅᑕᐅᓯᒪᓕᓈᖅᑎᓗᒋᓪᓗᓃᑦ[13]. . ᖃᐅᔨᓴᖅᑕᐅᓯᐊᒻᒪᓇᒋᐊᓖᑦ ᐱᓐᓄᓗᑕᐅᔪᑦ ᐅᔭᕋᖅᓂᐊᓂᖅᓈᓐᖓᔪᑦ ᐅᖓᓯᒋᔭᐅᔪᒦᑦᑐᓂ ᐸᖅᓱᑭᑕᐅᓯᑦᓴᐅᑎᒋᓗᑎᒃ ᐱᓇᓱᐊᖅᑕᐅᓂᓇᓚᖓᔭᖅᒋᑦ, ᓴᓇᒪᒻᓴᖅᒋᑦ, ᓴᓇᔭᐅᓂᑦᓴᖅᒋᓪᓗ, ᐱᓇᓱᖃᑎᒋᓗᒋᑦ ᐱᓇᓱᕝᕕᒥ ᖃᓄᐃᖅᖅᒋᓯᐊᓇᐊᖃᖅᓂᒥᒃ ᐱᓇᓱᑦᑎᖅᒋᑦ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᓂᖅᒧᑦ ᐊᓪᓚᕕᐅᑉ. ᑕᒪᒃᑯᐊ ᑲᒪᒍᓱᑦ ᐃᑯᓪᓚᑎᑦᓯᒍᑎᐅᒍᓐᓇᑐᑦ ᓱᒃᑯᑕᐅᓐᓇᑐᓄᑦ ᓱᖅᑕᐅᒍᑎᐅᒍᓐᓇᑐᓂᒃ ᐊᖅᑯᓇᖅᓂᐅᒍᓐᓇᑐᓂᓪᓗ, ᐱᔭᓇᐊᑦᑐᓯᒪᒍᑕᐅᒍᓐᓇᑐᓂᒃ ᐱᓇᓱᑦᑎᓄᑦ ᐊᐅᓚᔨᒋᐊᖃᖅᑕᖅᒋᑦᑕᓗ ᖃᖓᑦᑕᔫᒃᑯᑦ ᑎᒻᒥᔫᒃᑯᑦ.

ᐃᓱᒫᓗᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᖅᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖃᖅᐳᑦ ᖃᓄᓪᓗᐊᑎᒋᒃ ᐊᑐᓕᖅᑎᑕᐅᓂᐊᖅᒪᖕᒫᑕ ᒪᓕᕐᑦ ᐱᑦᔪᑎᓖᑦ ᐱᓇᓱᑦᑏᑦ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖃᖅᓂᖅᒋᓐᓂᒃ ᓄᖅᒍᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᖅᓂᐊᕋᑦᓴᓯᐅᖅᑐᖃᓕᖅᐸᑦ ᐅᖓᓯᒋᔭᐅᔪᒦᑦᑐᒦᓪᓗᑎᒃ ᓄᓇᕕᒻᒥ.

ᓄᓇᕕᒻᒥᐅᑦ ᑐᐹᑭᑦᓱᑦ ᐊᒥᓱᒻᒪᓇᐅᒻᒪᑕ ᐊᓯᖅᒋᓪᓗ ᐊᑦᔨᒌᖅᖅᒋᑐᑦ ᓱᖅᑕᐅᒪᒍᑎᐅᒍᓐᓇᑐᑦ ᐱᓇᓱᕝᕕᒥ ᐱᒻᒥᑎᓪᓗᒋᑦ ᓱᒃᑯᓇᖅᑐᑕᓖᑦ (ᐃᓚᐅᒻᒥᑎᓪᓗᒍ radon) ᑐᐹᑭᓗ ᓱᒃᑯᑕᐅᓐᓇᑐᖅᑕᖅᑲᖅᒥᓱᓂ, ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᖅᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᑯᓪᓚᑎᑦᓯᒐᓱᐊᑭᑎᑦᓴᓂᒃ ᑲᔪᓯᑎᑕᐅᒋᐊᖃᖅᑐᓇᑦᓯᕗᑦ ᐃᓄᐃᑦ ᐱᓇᓱᑦᑏᑦ ᐳᕝᒻᒥᒍᑦ ᖃᓄᐃᒍᑎᑖᖅᑯᓇᒋᑦ.

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᖅᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖃᖅᐳᑦ ᐊᑦᑕᓇᕈᓐᓇᓂᖅᓴᓂᒃ ᐅᖓᓯᒋᔭᐅᔪᒦᑦᑐᒥ ᐱᓇᓱᒋᐊᒥᒃ ᐊᒻᒪᓗ, ᓄᓇᕕᒃ ᐆᓐᑦᑐᒪᓇᐅᒻᒪᑦ ᓯᓚᓗ ᖃᓄᐃᑦᑑᓚᖓᒻᒪᖕᒫᑦ ᓇᓗᓇᖅᑑᓱᒍᑎᓪᓗᒍ,

[13] ᐅᑦᑑᑎᒋᑦᓱᒍ, ᐃᑯᒪᐅᑎᖃᖅᐃᑦ ᐃᓕᒃᑰᑎᑕᐅᑦᓯᐊᓇᐊᖃᖅᐳᑦ ᓱᖅᑭᖅᒋᑦ ᑐᓴᖅᓴᐅᓗᐊᖅᑎᑐᓕᓗᒋᑦ, ᑭᖅᒍᓂᖓᒍᑦ ᑮᓇᐅᔭᖅᑐᔪᐊᑕᐅᓚᔭᖅᒪᑦ ᒥᓕᐊᓃᑦᑐᓂᒃ ᓱᖅᓄᓯᒪᓂᑯᖓᓄᑦ.

ᐅᐃᒪᓇᕐᑐᑯᑦᓗ ᐊᐅᓪᓚᑎᑕᐅᒋᐊᖃᕐᓂᓇᓲᖏᑦᑕ ᐊᕐᕐᑯᓇᕐᓯᒪᔪᑦ ᐱᓇᓱᑦᑏᑦ ᐊᑦᑕᓇᕐᑑᒋᐊᖓᓂᒃ ᐊᓯᖏᑦᑕᓗ ᐊᑦᑕᓇᕐᑑᒦᑦᑎᑕᐅᒍᓐᓇᓂᖏᓐᓂᒃ (ᑎᒻᒥᔫᕐᑏᑦ, ᐋᓐᓂᐊᓯᐅᕐᑏᑦ, ᐊᓯᖏᓪᓗ).

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᖃᐅᔨᒪᔭᐅᕐᑯᔨᓪᓚᓇᑉᐳᑦ ᐱᒻᒪᓇᐅᒋᐊᖓᓂᒃ ᐃᓱᒪᒋᔭᐅᓪᓚᓇᒋᐊᖃᕐᓯᓂᓗ, ᐃᓘᓐᓄᑦ ᐱᓇᓱᖃᑎᒋᔭᐅᓲᓄᑦ, ᐱᓇᓱᑦᑏᑦ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᖓ ᐊᑦᑕᓐᑐᒦᒋᐊᖃᕐᓂᖏᑦᑕᓗ ᐃᓱᒫᓘᑎᐅᓂᖓ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᓂᖅ ᐱᒋᐊᕐᑕᐅᕝᓕᐊᓯᑎᓪᓗᒍ.

9. ᓱᕐᕋᑕᐅᓂᖏᑦ ᐃᓂᓪᓚᖓᐅᓯᖏᑦᑕ ᐱᒍᑦᔨᐅᑏᑦ

ᑕᑯᓐᓇᓱᒍ ᓄᓇᕕᒻᒥᐅᑦ ᖃᓄᐃᖕᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᓇᓗᓇᕐᑐᒦᓐᓂᖓ ᐊᒻᒪᓗ ᐊᑦᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᖃᕐᓂᒦᓐᓂᖏᑦ ᓄᓇᓕᓕᒫᓂ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐃᓄᓕᓇᓂᕐᒥᓗ ᐱᒍᑦᔨᐅᑏᑦ ᐱᓇᓱᖃᑎᒌᒍᑕᐅᓂᖓᑕ, ᐅᔭᕋᕐᓂᐊᓃᑦ ᑕᒪᒃᑯᐊ ᐱᒍᑦᔨᐅᑏᑦ ᐃᓂᓪᓚᖓᐅᓯᖏᓐᓂᒃ ᓱᕐᖽᓯᒪᓂᖃᕈᓐᓇᐳᖅ. ᑐᒥᒻᒪᑦ, ᐅᓄᕐᓯᐅᒥᒋᐊᕐᒥᐸᑕ ᐱᒐᓱᐊᒻᒪᓇᓐᓇᑐᒋᐊᓪᓚᐅᓯᒐᔭᓇᕗᖅ ᖃᓄᐃᒍᑎᖃᕐᓂᔅᐅᖃᑦᑕᓯᓗᓂᓗ ᐱᒻᒐᑐᐃᓐᓇᓂᓈᕋᓗᐊᕐᑎᓗᒋᓪᓕ ᑕᒐᑕᒐ ᐱᒍᑦᔨᐅᑏᑦ. ᐱᓇᓱᑦᑎᔅᓪᓗᓂᓈᕐᑐᑦ ᐱᓇᓲᑎᑦᔅᓗᓂᓈᕐᑐᑦ, ᐱᒍᑦᔭᐅᒋᐊᓕᓐᓂᒃ ᐊᖑᒪᑦᓯᔅᓐᓇᕋᓱᐊᕐᑐᑦ.

ᓱᕐᖽᓯᒪᒍᓐᓇᑐᑦ ᐃᓂᓪᓚᖓᐅᓯᖓᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐃᓄᓕᓇᓂᕐᒥᓗ ᑐᑭᓯᑎᑦᓯᒍᑕᐅᕗᑦ ᐊᓪᓚᕐᑯᑎᓕᐊᒍᓯᒪᔪᓂ ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᑲᑎᒪᔨᓄᑦ 2013-ᒥ. ᑖᒃᑯᐊ ᐊᓪᓚᕐᑯᑏᑦ ᑯᐯᒻᒥ ᐃᓗᓯᓕᓇᓂᕐᒥᒃ ᐱᒍᑦᔨᓂᕐᓄᑦ ᑐᕐᖃᑕᕐᕕᑯᓐᓄᑕᐅᓯᒪᔪᑦ 2013-ᒥ ᐊᒻᒪᓗ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᒨᓕᖓᔪᑦ ᓯᑦᑎᒻᐱᓇ 2014-ᒥ. ᑐᑭᓯᓇᕐᑎᓯᒍᑏᑦ ᐱᒍᑦᔨᐅᑎᓂᒃ ᓄᓇᕕᒻᒥ ᐊᑐᐃᓐᓇᐅᔪᓂᒃ, ᐃᓱᐃᓗᑕᐅᖃᑦᑕᑐᓂᓪᓗ ᑕᒐᑕᒐ ᐱᒍᑦᔨᐅᑎᓄᑦ ᐅᓄᕐᓂᔅᐅᖃᑦᑕᓛᕈᓇᐅᓕᕐᓂᖏᓐᓄᓗ ᐱᒍᑦᔭᐅᒋᐊᓖᑦ.

ᐊᑐᐊᕐᓯᔪᑦ ᐊᓪᓚᕐᑯᑎᓂᒃ ᑐᑭᓯᒪᒋᐊᖃᕐᐳᑦ ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ ᐃᓱᒫᓗᑎᐅᔪᓄᑦ ᐃᓚᒋᔭᐅᒻᒥᒪᑕ.

ᐃᓱᒫᓗᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕐᑯᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖃᕐᐳᑦ ᐱᒐᓱᐊᒻᒪᓇᓐᓇᑑᓛᕐᓂᖓᓂᒃ ᐅᓄᕐᓯᒋᐊᕐᓯᒪᓂᕐᐸᑕ ᐊᑐᕐᑏᑦ ᓄᓇᕕᒻᒥ ᐃᓗᓯᓕᓇᕕᓐᓄᑦ ᐱᒍᑦᔭᐅᒋᐊᖃᖃᑦᑕᓛᕐᑐᑦ ᓄᓇᕕᐅᑉ ᓯᓚᑖᓂᑦ ᐱᔪᑦ ᐅᓄᕐᑐᒪᓛᑦ ᐱᓇᓱᒋᐊᕐᑐᖃᑦᑕᓯᑐᐊᕐᐸᑕ.

10. ᓄᖑᔪᐃᑦᑐᖅ ᐅᑯᑯᓘᓐᓃᑦ «ᓱᓇᑐᐃᓐᓇᖅ ᓱᔪᓚᐅᕐᓯᒪᓂᐊᖕᖏᑐᖅ»

*"ᓄᖑᔪᐃᑦᑐᒥᒃ ᑎᓯᒍᓯᕗᑦ (ᐃᓄᒃᑎᑐᑦ) [...] "ᓄᖑᔪᐃᑦᑐᖅ []", ᓱᓇᑐᐃᓐᓇᖅ ᓄᖑᓚᐅᕐᓯᒪᓂᐊᖕᖏᑐᖅ. ᐃᓱᖃᖕᖏᑐᒍᑦ ᓄᐃᑕᓚᖓᔪᖅ. ᓱᖑᔪᒻᒪᓇᐅᑦᓱᓂ ᐅᖃᐅᓯᖅ ᐃᓘᓐᓄᓐᓗ ᖃᐅᔨᑯᓐᓚᑕᐅᒍᓐᓇᓱᓂ ᐅᖃᑐᐊᕋᑦᑎᒍ". -ᑐᓄ ᓇᑦᕐᑐᖅ, ᐊᑯᑎᒨᓕᖓᔪᓂᒃ ᐃᓄᓕᒫᓂᒃ ᑲᑎᒪᑎᑦᓯᕕᒻᒥ ᐃᓄᓕᒫᕐᑎᓯᒍᑕᐅᑎᓪᓗᒋᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᕐᓈᓕᖓᔪᑦ ᑯᐯᒻᒥ, ᑲᖏᕐᓱᐊᓗᑦᔪᐊᒦᑦᓱᑎᒃ, ᓯᑦᑎᒻᐱᓇ 25, 2014-ᒥ.

ᐅᔭᕐᓂᐊᑕᐅᓂᖓ ᑭᑭᐊᑦᓴᔭᐅᑉ (ore) ᓱᓇᑦᓴᓕᐊᓇᔭᐅᓂᖓᓗ ᐊᓯᐸᑦᑕᐅᔪᒻᒪᓇᐅᓲᒍᕗᖅ ᐃᓚᖓ ᓴᓂᕐᑭᐅᕐᑲᕐᑕᐅᓯᓂ ᐅᔭᕐᓂᐊᕕᐅᑉ ᓴᓂᐊᓄᑦ ᖃᑦᑕᐅᔭᕐᓅᕐᑲᕐᑕᐅᓯᓂ (INSPQ, 2013). ᐅᔭᕐᓂᐊᓂᕐᓄᑦ ᐊᓯᐸᑦᑕᐅᓯᒪᔪᑦ ᐱᑕᕐᕿᓐᓈᓲᑦ ᑭᑭᐊᑦᓴᔭᒥᒃ, ᐅᑦᑑᑎᒋᑦᓱᒍ ᓄᖑᔪᐃᑦᑐᑕᕐᑲᓚᑦᓛᖕᒋᓐᓈᓯᓂ ᐲᕐᑕᐅᓂᖅᖅᒋᑐᓂᒃ, ᐊᑯᓂᖅᒍᕋᑕᕐᑎᓗᒍᓗ ᓱᒃᑯᓇᕐᑑᓲᓂᒃ (radium-226 and thorium-230 and chemical reagents) ᐊᑐᕐᑕᐅᓲᓂᒃ ᐅᔭᕐᓂᐊᑐᓄᑦ.

Moorhouse *et al.* (2011) ᐊᓪᓚᓯᒪᕗᑦ ᓱᒃᑯᓇᕐᑐᓂᒃ ᐅᔭᕐᓂᐊᕕᓐᓂ ᑭᖑᓂᖓᒍᑦ ᓯᑦᓯᑐᐃᓯᒪᓲᓂᒃ, ᒪᑯᓂᖓᓗ:

- ᓱᒃᑯᓇᕐᑐᑕᓖᑦ (Gamma (and beta) radiation) ᑭᓈᓂᕐᓗᖓᓂᑦ ᐅᔭᕐᓂᐊᕖᑦ;
- ᐳᔪᕐᑐᒥᑦ ᓱᒃᑯᓇᕐᑐᑕᓕᒻᒥᒃ (radioactive) ᑐᕐᑯᓐᓇᑐᕐᑕᓕᒻᒥᓗ;
- ᓱᒃᑯᓇᕐᑐᑕᓕᓐᓂᑦ ᐳᔪᕐᑐᓂᑦ (Radon gases) (ᓱᔪᐃᕝᓕᐊᓂᖓᓂᑦ (radium)) ᐅᖓᓯᑦᑐᒧᕋᑦᓯᓂ;
- ᓯᑦᓯᑐᐃᓂᖅᒋᓐᓄᑦ ᓱᒃᑯᓇᕐᑐᑕᖕᑦ (radioactive) ᑐᕐᑯᓐᓇᑐᕐᑕᖕᓗ ᓯᕐᒥᒥᒃ ᓄᓇᒥᓪᓗ ᐃᒪᐅᓪᓗ ᕐᑳᖓᓂᒃ (ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 4).

ᓱᒃᑯᓇᕐᑐᑕᖕᑦ (radioactive) ᐊᑯᓂᐊᓗᒃ ᓱᒃᑯᓇᕐᑑᒍᓐᓇᓂᖅᒋᓐᓄᑦ, ᐊᑯᓂᕐᑐᒧᓕᖓᔪᒥᒃ ᐊᑦᑕᓐᓂᑎᕐᑕᐅᓯᒪᒋᐊᕐᑲᕐᐳᑦ ᐅᔭᕐᓂᐊᕕᓐᓂ ᑭᓈᓂᕐᓗᑯᐃᑦ (Diehl, 2011). ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒫᓗᒋᔭᖃᕐᑐᑦ ᐊᐅᓚᑦᓯᕗᑦ ᐃᑉᐱᒋᔭᖃᓇᐊᖃᕐᓂᖅᒋᓐᓂᒃ ᐊᑯᓃᕐᑐᒧᑦ ᐊᑭᑎᐅᑉ ᐃᑉᐱᒋᔭᐅᒋᐊᖃᕐᓂᖓᓂᒃ ᖃᐅᔨᓴᖃᑦᑕᓗᑎᓪᓗ ᖃᓄᐃᖅᖅᒋᓯᐊᓇᐊᖃᕐᓂᐅᑉ ᓱᕐᕋᑕᐅᒍᓐᓇᓂᖓᓂᒃ ᑕᒪᒃᑯᓄᖓ ᑭᓈᓂᕐᓗᑯᓄᑦ ᓄᓇᕕᒻᒥ, ᐱᓗᐊᕐᑐᖅ ᐊᕐᕌᒍᓂ ᐊᒥᓱᕐᔪᐊᓂ ᓱᒃᑯᑕᐅᓯᒪᓂᓇᒍᓐᓇᑕᖓ ᑕᑯᓐᓇᓱᒍ.

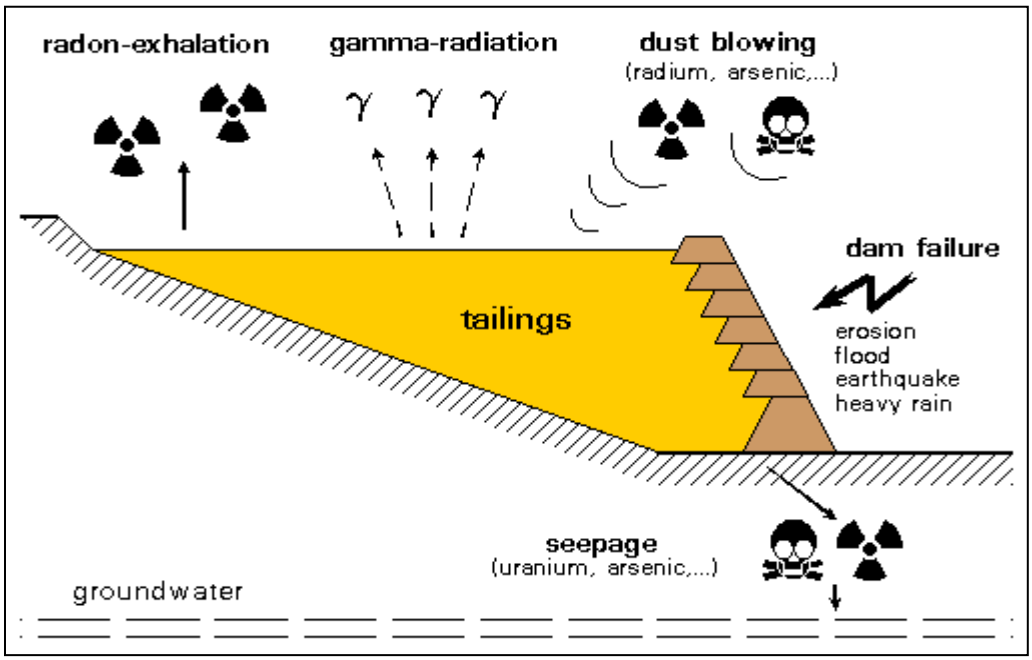
ᖃᐅᔨᓴᕐᓯᒪᔪᓄᑦ INSPQ (2013) ᐅᖃᕐᑕᐅᓯᒪᒻᒪᑦ, ᑭᓈᓂᕐᓗᑯᑕᖕᑦ ᐊᐅᓚᑕᐅᓂᖃᑦᓯᐊᓂᕐᓴᐅᓕᕐᓗᐊᕐᑎᓗᒋᑦ ᐊᕐᕌᒍᓂ ᐊᓂᒍᕐᑐᓂ, ᖃᒻᒥᓂᑕᐅᓕᕐᑐᑦ ᐅᔭᕐᓂᐊᕖᑦ ᖃᔪᓯᑦᓯᐊᑐᐊᐱᑐᐃᓐᓇᐅᒍᓐᓇᖕᒋᓪᓚᑦ. ᑎᒥᒻᒪᑦ ᐃᓱᒫᓗᑎᒋᔭᕗᑦ ᑐᑭᖃᑦᓯᐊᕗᑦ, ᐱᓗᐊᕐᑐᖅ ᑕᑯᑦᓱᒋᑦ ᐊᑯᓃᕐᑐᒧᑦ ᓱᕐᓄᓯᒪᒍᓐᓇᑐᑦ ᐊᕐᕌᑎᒥᒃ, ᐃᓄᐃᑦ ᖃᓄᐃᖅᖅᒋᓯᐊᓇᐊᖃᕐᓂᖓᓂᒃ ᐃᓄᐃᓪᓗ ᐃᓅᓯᖓᓂᒃ ᐅᔭᕐᓂᐊᕕᓐᓂ ᑭᓈᓂᕐᓗᑯᐃᑦ ᐊᕐᕌᑎᒫᖅᖃᓯᓐᓂᐸᑦ ᓯᒥᑦᑐᑕᐅᓯᒪᔪᑦ ᖃᒥᑦᑐᕕᓂᐅᑉᐸᑕ ᐊᓯᐊᒍᓪᓅᓃᑦ ᐃᓱᐃᓪᓕᑐᖃᕐᓂᐸᑦ (ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 4). ᑎᒥᖃᑦᑕᓯᒪᔪᖃᕐᒪᑦ ᐊᕐᕋᒍᓂ ᐊᓂᒍᓚᐅᕐᑐᓂ, ᖃᑉᐱᐊᓇᕐᓯᔪᖃᓚᐅᔪᒻᒪᑦ Navajo ᓄᓇᓕᖓᓂ 1979-ᒥ. ᖃᒻᒥᐅᓂᕐᐸᐅᑎᓪᓗᒍᓗ ᓱᒃᑯᓇᕐᑐᑕᓕᒃ (radioactive substance) ᑯᕕᔨᐊᕕᓂᐅᓯᒪᒻᒪᑦ ᑲᑎᕐᓱᑕᐅᓯᒪᕕᒥᓂᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᕕᒻᒥ Australia ᒦᑦᑐᒥ (2013). ᑲᓇᑕᒥᑦᑕᐅᖅ, ᐅᔭᕐᓂᐊᕕᒻᒥ ᑲᓄᓴᕐᒥᒃ ᑲᓐᓄᔭᕐᒥᓗ ᓯᒥᑦᑐᑕᐅᓯᒪᔪᖅ ᑰᓯᔪᕕᓂᐅᒻᒥᔪᖅ British Columbia -ᒥ, ᐊᐅᒡᒍᓯᑎᐅᑎᓪᓗᒍ 2014ᒥ, ᒥᑦᓴᐅᓵᕐᓯᒋᑦ 25 million cubic metres ᐅᔭᕐᓂᐊᕕᒻᒥᑦ ᑭᓈᓂᕐᓗᑯᐃᑦ ᐊᕐᕌᑎᒫᖅᖃᓯᑎᓪᓗᒋᑦ.

ᐃᓛᓂᐅᖅᒋᑐᖅ ᐃᓱᐃᓪᓕᑲᓪᓕᓂᓕᒫᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᕕᒻᒥ ᐊᑑᑎᓕᒫᓲᒍᖅᒋᑑᒐᓗᐊᑦ, ᓱᒃᑯᓇᕐᑐᑕᖕᑦ (radioactive) ᐊᒻᒪᓗ ᐊᑯᓃᕐᑐᒥᒃ ᓱᒃᑯᓇᕐᑑᒍᓐᓇᑐᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᕖᑦ ᑭᓇᓂᕐᓗᑯᖅᒋᓐᓄᑦ ᖃᐅᔨᒪᒍᑕᐅᔾᑦ ᐊᕐᕌᑎᐅᑉ ᐃᓅᖃᑎᒌᓪᓗ ᐃᓛᓂᐅᖅᒋᑐᖅ ᐃᓱᐃᓪᓕᑕᐅᑐᐃᓐᓇᓇᐊᖃᕐᖃᔭᕐᓂᖅᒋᓐᓂᒃ.

ᐃᓱᒫᓗᑎᐅᔪᑦ ᐃᒫᖕᒥᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᓱᒪᒋᔭᖃᕐᑐᑦ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕐᓂᐊᕖᑦ ᑭᓈᓂᕐᓗᑯᒋᒍᓐᓇᑕᖅᒋᓐᓂᒃ ᐊᑯᓃᕐᑐᒧᓪᓗ ᐊᑦᑕᓇᕐᑑᓂᖅᒋᓐᓂᒃ ᓱᕐᓄᒍᓐᓇᓱᑎᒃ ᑭᖑᕝᕙᓪᓕᑐᓂᒃ, ᐱᓗᐊᕐᑐᖅ ᑭᓈᓂᕐᓗᑯᐃᑦ ᓴᓂᕐᕌᑕᐅᕕᑦᓴᖃᕐᑎᑕᐅᑦᓯᐊᖅᒋᑉᐸᑕ.

ᑐᑭᓯᑎᑦᓯᒍᑎᒃ 4: ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᕕᒻᒥ ᓱᑦᓱᑐᕐᑕᐅᓯᒪᔪᑦ ᐊᑦᑕᓇᕐᑑᓂᖓ



Source: Diehl (2011)

11. ᐃᓄᒃᓄᑦ ᓈᒻᒪᒋᔭᐅᓂᖓ

ᖃᐅᔨᓴᕐᑕᕕᓂᖏᑎᒍᑦ Rodon (2014), ᓄᓇᓕᑐᕐᑭᑦ ᐅᔭᕋᕐᓂᐊᕕᐅᖃᑦᑕᓯᒪᓂᖓ ᐃᓄᒃᓂᒃ ᐊᐅᓚᑦᓴᒍᑎᐅᓪᓚᓇᓱᒍᕗᖅ. ᖃᓪᓗᓈᓄᑦ ᐊᐅᓚᑕᐅᓗᐊᓇᐊᒥᒃ ᐃᓱᒪᒍᓯᐅᓯᒪᔪᖅ ᖃᓂᑕᓈᒍᒃᓄᑭᑕᐅᑦᓱᓂ ᑲᑭᒪᓄᑦ ᓄᓇᓕᑐᖃᕐᓄᓗ ᑕᑎᒋᒍᒃᓇᖏᓕᐅᒥᒍᑕᐅᒍᒃᓇᒪᑦ, ᐅᒃᑯᐃᖓᕐᖃᑎᒌᑦᓯᐊᓇᐊᕐᖃᓚᕐᑭᓗᑎᒃ ᐃᔨᕐᑐᐊᕐᖃᕐᕕᕐᖃᓇᐊᕐᖃᖅᖏᓚᕐᑭᓗᑎᒃ. ᑕᒪᒃᑯᐊ ᐱᒻᒪᓇᐅᒋᐊᓪᓚᑐᑦ ᐱᓇᓱᖃᑎᒋᔭᐅᒍᒪᔪᑦ ᐊᑦᑕᓇᕐᓯᑐᐃᒃᓇᓇᐊᕐᖃᕐᑐᒌᑦᑐᓗ ᐃᓱᒪᒋᔭᒥᓂᒃ ᓂᑦᔮᑭᑎᕐᖃᑭᒃᓇᒍᖅᖏᒪᑕ ᐅᖓᓯᒋᔭᐅᔪᒥᐅᒍᒐᒥᒃ ᓄᓇᓕᒃᓂ ᑐᑭᑖᕋᓱᐊᕐᕕᓄᑦ ᐅᖓᓯᒋᔭᐅᔪᓂ, ᐱᕕᑦᓴᖃᓗᐊᖅᖏᑐᒥᐅᒍᑦᓱᑎᓪᓗ ᐃᓕᒃᓂᐊᓯᒪᑦᓯᐊᕋᑎᓪᓗ (Brisson, 2014).

ᓈᒻᒪᕐᑯᐊᓈᑦᑎᓯᓂᖅ ᐱᒻᒪᓇᐅᑎᑕᐅᒋᐊᖃᕐᒪᑦ. ᐱᕙᓪᓕᕐᑯᑎᑦᓴᐅᓕᕐᑐᑦ ᓄᓇᐅᑉ ᐊᓯᐊᓈᔭᕐᑕᐅᑐᐃᒃᓇᑎᓪᓗᒋᑦ, ᓄᓇᓃᑦ ᐅᔭᕋᕐᓂᐊᕕᑦ ᓴᓂᐊᓃᑦᑐᑦ ᓱᕐᕋᑕᐅᓂᖃᑐᐃᒃᓇᓇᐊᓃᑦ ᐊᕙᑎᒥᒍᑦ ᐃᓱᒪᒃᑯᓗ ᓱᕐᕋᑕᐅᓂᕐᓴᒪᓇᐅᓗᑎᒃ ᓄᓇᕕᒻᒥᐅᒍᖃᑎᒥᓂᑦ ᑯᐯᒻᒥᐅᒍᖃᑎᒥᓂᓪᓗᓃᑦ. ᐃᑭᒃᓂᓴᑦ ᐱᓇᓱᒪᕐᑖᖃᑦᑕᑑᒐᓗᐊᑦ ᐃᓄᐃᑦ ᐊᑦᑕᓇᕐᓯᑐᐃᒃᓇᓇᐊᕐᖃᕐᑐᒌᒃᓂᖓᓄᑦ ᐱᒍᒃᓇᓯᐊᖅᖏᓂᕐᓴᐅᓂᖅᑭᒃᓄᓗ. ᐅᔭᕋᕐᓂᐊᕕᑦ ᐱᕙᓪᓕᕐᑯᑎᑖᕈᑕᐅᕙᓪᓕᐊᑐᐃᒃᓇᐸᑕ ᐊᑦᑕᓇᕐᓯᑐᐃᒃᓇᓇᐊᕐᖃᕐᓂᐸᑦ ᐃᓅᖃᑎᒌᑦ ᐱᕈᕐᐸᓕᐊᒍᒃᓇᖅᖏᓂᕐᓴᐅᓂᖅᑭᒃᓄᓗ. (Brisson, 2014).

ᐊᒥᓲᕗᑦ ᐃᓄᒃᓄᑦ ᓈᒻᒪᒋᔭᐅᓕᕐᑎᓯᒍᑎᐅᒍᒃᓇᑐᑦ ᐱᓇᓱᑦᑕᐅᔪᑦᓴᓂᒃ, ᐅᒃᑯᐃᖓᕈᑎᖃᑦᓯᐊᓂᖅ, ᐃᔨᕐᑐᐊᕐᖃᖅᖏᓂᖅ ᓈᒻᒪᕐᑯᐊᓈᑦᑎᓯᓂᕐᓗ.

ᐅᒃᑯᐃᖕᒫᑦᓯᐊᕈᑎᖃᕐᓂᖅ ᐃᓱᕐᑐᐊᖃᖕᖏᓂᕐᓗ ᓇᐅᓕᒫᑦ ᐃᓚᐅᑦᓯᐊᖃᑦᑕᕐᑯᑦᓱᒋᑦ

ᐃᓱᕐᑐᐊᖃᖕᖏᓂᖅ ᑐᓴᐅᒪᔭᐅᒋᐊᓕᓐᓂᒃ ᐊᑐᐃᓐᓇᖃᕈᑎᑦᓯᐊᒍᒍᓐᓇᐳᖅ ᑐᑭᓯᒪᒍᑎᑦᓯᐊᒍᑦᓱᓂᓗ ᐱᓇᓱᐊᖃᑕᕐᑯᒍᒪᑦᓯᐊᑐᓂᒃ ᐊᑦᑐᐊᔭᐅᓂᖃᕐᑐᓂᓪᓗ (INSPQ, 2003), ᐅᑦᑑᑎᒋᑦᓱᒋᑦ ᐃᓄᓐᓂᒃ. ᐅᒃᑯᐃᖕᒫᑦᓯᐊᓂᖅ ᐃᓄᓐᓂᒃ ᐃᓚᐅᑎᑦᓯᒍᑎᑦᓯᐊᒍᐳᖅ, ᐃᓱᒪᒥᓂᒃ ᓂᑦᒫᕈᑎᖃᕈᓐᓇᓯᐊᕐᑎᓗᒋᑦ ᐃᓱᒫᓗᒋᔭᒥᓂᓪᓗ, ᑐᑭᑖᕋᓱᐊᕈᑎᑦᓴᓯᐅᖃᑕᐅᓗᑎᓪᓗ ᐊᐅᓚᑦᓯᕗᑦ ᑐᑭᑖᕋᓱᐊᕐᑎᓗᒋᑦ. ᑐᓴᐅᒪᖃᑎᒌᒋᐊᑦᓴᐅᑎᒋᒋᐊᓖᑦ ᐅᔭᕋᕐᓂᐊᓂᕐᒥᒃ ᐱᓇᓱᐊᓚᖕᒐᔪᑦ ᐃᓄᐃᓪᓗ (INSPQ, 2003), ᐅᔭᕋᕐᓂᐊᓂᖃᕐᓂᓕᒫᖕᒐᓂᓗ ᑐᓴᐅᒪᖃᑎᒌᑦᓯᐊᓗᑎᒃ. ᐅᑦᑑᑎᒋᑦᓱᒍ ᓄᒃᓚᓐᒥ ᐅᔭᕋᕐᓂᐊᓂᓕᓇᕐᑦ ᑐᓴᐅᒪᖃᑎᖃᖕᒋᓐᓇᓲᒍᒪᒪᑕ ᐱᓇᓱᖃᑎᒋᒋᐊᓕᒥᓂᒃ ᐃᓱᐃᓗᑕᐅᔪᖃᓕᕐᒪᑦ ᐃᓱᒫᓗᓐᓇᑐᖃᓕᑐᐊᕐᒪᓗ. ᐅᔭᕋᕐᓂᐊᓂᓕᓇᕐᑦ ᐃᓄᓐᓄᑦ ᓈᒻᒪᒋᔭᐅᔪᓂᒃ ᐱᓇᓱᐊᑦᓴᓇᓕᒫᕋᓱᐊᓇᐊᖃᕐᓂᒥᓂᒃ ᖃᐅᔨᒪᔪᑦ.[14]

ᖃᐅᔨᓴᕐᑕᐅᓂᓇᒋᐊᓕᖕᒐ ᐊᑭᑎᑦᑕ ᐃᓅᓯᒃᑯᓗ ᓱᕐᕋᑕᐅᓐᓇᑐᑦ ᓄᓇᕕᒻᒥ ᐱᓪᓗᒋᑦ, ᑲᑎᕕᒃ ᐊᑭᑎᒎᓕᖕᒐᔪᓂᒃ ᐃᒫᖕᒥᓇᔨᐅᓂᕐᒧᑦ ᑲᑎᒪᔩᑦ ᐅᖃᕐᓯᒪᔪᑦ ᐅᖃᐅᓯᕐᑕᖕᒋᓐᓃᑐᑦ 23-ᒥ ᔭᒥᓯ ᐯᒥ ᑯᐯᓪᓗ ᑕᕐᕋᖕᒐᓂ ᐊᖕᒋᖃᑎᒌᒍᑎᒥ ᐃᓄᓐᓂᒃ ᓇᐅᑐᐃᓐᓇᓂᓪᓘᓃᑦ ᐃᓚᐅᑎᑦᓯᒍᓐᓇᓂᕐᒥᒃ ᓱᕐᕐᑯᐃᓇᕐᑎᓯᑦᓯᐊᖕᒋᓪᓚᑦ ᑐᑭᓯᒪᐅᑎᑦᓴᓂᓪᓘᓃᑦ ᐊᑐᐃᓐᓇᖃᕐᑎᓯᓂᕐᒥᒃ ᖃᓄᐃᓘᕈᑎᑦᓴᑦ ᐱᓪᓗᒋᑦ. ᑲᑎᕕᒃ ᐊᑭᑎᒎᓕᖕᒐᔪᓂᒃ ᐃᒫᖕᒥᓇᔨᐅᓂᕐᒧᑦ ᑲᑎᒪᔩᑦ ᐅᖃᐅᓯᕐᓂᒃ ᒪᓕᑐᐃᓐᓇᓕᖕᒐᕐᑦ: “ᐅᑦᑑᑎᒋᑦᓱᒍ, ᓇᐅᓕᒫᓂᒃ ᑲᑎᒪᑎᑦᓯᒍᓐᓇᓂᕐᒥᒃ ᒍᓐᓇᖕᒋᓐᓂᓘᓐᓃᑦ ᐊᒻᒪᓗ ᑭᓇᒃᑯᑦ ᐃᓚᐅᔪᑦᓴᐅᒪᖕᒫᑕ ᐊᐅᓚᑦᓯᓂᖅ ᐊᐅᓚᑕᐅᓂᖃᕈᓐᓇᒪᑕ ᐊᐅᓚᑦᓯᔨᐅᓂᕐᒧᑦ ᑎᒥᐊᕈᕐᓄᑦ ᐱᓇᓱᖃᑎᒋᔭᐅᔪᓄᑦ.” ᑲᑎᕕᒃ ᐊᑭᑎᒎᓕᖕᒐᔪᓂᒃ ᐃᒫᖕᒥᓇᔨᐅᓂᕐᒧᑦ ᑲᑎᒪᔩᑦ ᐅᖃᐅᓯᖃᑭᓪᓗᓲᑦ ᐱᓐᓂᓗᑕᐅᔪᓂᒃ “ᐊᑭᕝᕕᐊᓗᑕᐅᒍᓐᓇᑐᓂᒃ ᖃᐅᔨᓴᐅᑎᑦᓯᐊᒍᒋᐊᖃᕐᓂᖕᒋᓐᓂᒃ ᖃᓄᐃᓘᕈᓯᐅᑦᓯᐊᓇᐊᓕᓐᓂᓗ,” ᐅᑦᑑᑎᒋᑦᓱᒋᑦ:

- ᑕᒪᑕᒪ ᑐᑭᓯᒪᐅᑎᑦᓴᑦ ᓇᐅᓕᒫᓂᓪᓗ ᖃᐅᔨᒋᐊᕐᑐᕕᖃᖃᑦᑕᓘᑦ ᐃᓱᕐᑐᐊᖃᕈᑕᐅᖃᑦᑕᑐᑦ.

- ᐊᓪᓚᕐᑯᑏᑦ ᐊᑐᐃᓐᓇᕈᕐᑎᑕᐅᓯᒪᔪᑦ ᐱᓇᓱᖃᑎᒋᔭᐅᔪᓄᑦ ᐊᑐᐃᓐᓇᓇᔭᐅᖃᑦᑕᖕᒋᑦᑐᑦ ᐃᓄᓐᓄᑦ ᐅᕝᕙᓘᓐᓃᑦ ᓄᓇᕕᒻᒥ ᐱᕙᓪᓕᐊᒍᑎᑦᓴᓂᒃ ᐱᓇᓱᐊᕈᒪᔪᓄᑦ. ᖃᓇᑕᐅᔭᒃᑯᑦ ᑐᓴᕋᑦᓴᖃᕐᕕᖃᖕᖏᑐᖅ ᐱᓇᓱᐊᕐᑕᐅᔪᓂᒃ ᑐᓴᐅᒪᕕᑦᓴᒥᒃ. ᐊᒻᒪᓗ, ᐊᑦᕈᒌᖕᖏᑐᓂᑦ ᑲᕙᒪᒃᑯᑦ ᐊᓪᓚᕕᖕᒋᑦᑕ ᐱᒍᑦᕈᒍᑎᐅᓗᕈᖕᖏᑐᓂᒃ ᐱᒍᑦᕈᕈᖕᒋᑦᑕ ᑎᒥᐊᕐᑯᕐᑯᑎᖕᒋᑦᑕᓗ ᐃᓱᒪᒋᔭᖕᒋᑦ ᑐᓴᐅᒪᔭᐅᒪᑎᒃ ᓇᐅᓕᒫᓄᑦ.

- ᐱᓪᓗᑯᒋᐊᓕᓇᔪᑦ ᑐᑭᓯᒪᐅᑎᑦᓴᑦ ᑐᑭᓯᒪᔭᐅᑦᓯᐊᓂᖕᖏᑐᑦ ᓇᐅᑐᐃᓐᓇᓕᒫᓄᑦ ᑐᑭᓯᓇᕐᑎᓯᒋᐊᑦᓯᐊᕈᑎᑕᖃᖕᖏᓇᒥᒃ ᓄᓪᓕᑎᕐᓯᒪᔪᓂᒃ.

- ᑐᑭᓯᒪᐅᑎᑦᓴᑦ ᑐᓴᐅᒪᑎᑦᓯᒍᑎᑦᓴᓄᓕᖕᒐᔪᓂᒃ ᓇᐅᓕᒫᓂᓪᓗ ᖃᐅᔨᒋᐊᕐᕕᖃᖃᑦᑕᓂᕐᒨᓕᖕᒐᔪᑦ (ᐅᓪᓗᖕᒋᑦ, ᓇᓃᓐᓂᔭᖕᒋᑦ, ᖃᓄᖅ ᐃᓚᐅᔪᖃᓚᖕᒐᒍᓂ, ᐊᓯᖕᒋᓪᓗ) ᐊᑐᐃᓐᓇᓇᔭᐅᑦᓴᐅᑎᒋᓲᒍᖕᖏᑐᑦ ᓇᐅᓕᒫᓄᑦ.

- ᐊᓪᓚᕐᑯᑏᑦ ᐱᔭᕇᕐᑕᐅᓯᒪᔪᑦ ᐱᓇᓱᑦᑕᐅᔪᓄᓕᖕᒐᔪᑦ ᐊᑐᐃᓐᓇᐅᓕᕐᑎᓗᒋᑦ ᖃᖕᒐ ᐱᒋᐊᕐᑕᐅᓂᓇᒐᔭᕐᑕᖕᒐ ᖃᐅᔨᒋᐊᕐᓂᐅᒐᔭᕐᑑᑉ ᖃᐅᔨᒪᓇᖕᖏᑐᖅ ᐃᓛᓐᓂᓗ ᐱᕕᑦᓴᑭᓗᐊᕐᓇᓯᒍᑦᓯᓂ ᐃᓄᓐᓂᒃ ᐃᓘᓐᓄᒍᑦ ᐃᓚᐅᑎᑦᓯᒐᓯᐊᓇᐊᒥᒃ ᖃᐅᔨᒋᐊᕐᕕᖃᓇᐊᖃᓕᕋᑦᑕ.

- ᑐᑭᑖᕋᓱᐊᕈᓲᑦ ᒪᓕᒐᑦᓴᓕᐊᒍᓯᒪᔪᐃᓪᓗ ᑐᑭᓯᒪᔭᐅᒋᐊᓕᓐᓂᒃ ᑲᑎᒪᒍᑕᐅᑎᑦᓯᓂᕐᓄᓕᖕᒐᔪᑦ ᓇᐅᓕᒫᓂᓪᓗ ᖃᐅᔨᒋᐊᕐᕕᖃᕐᓂᓄᓕᖕᒐᔪᑦ ᓇᐅᓕᒫᓄᑦ ᖃᐅᔨᒪᔭᐅᖕᖏᒪᑕ.

[14] Glencore Mine Raglan. Website found on October 10, 2014, at http://www.mineraglan.ca/FR/Pages/default.aspx

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐃᑲᔪᕐᓯᒪᑦᓯᐊᑐᑦ ᑲᑎᕕᒃ ᐊᑭᑎᒧᓕᖓᔪᓂᒃ ᐃᒫᖕᒐᓚᔅᐅᓂᕐᒧᑦ ᑲᑎᒪᔨᑦ ᐃᒣᓕᖓᔪᑦᓴᐅᕐᑰᕐᒪᑖᓚᒍᑎᒋᓯᒪᔭᖏᓐᓂᒃ ᓱᖕᒍᓯᑎᒋᐊᕐᑕᐅᒋᐊᕐᑲᕐᓂᖓᓄᑦ ᐃᔅᕐᑐᐊᕐᑲᓇᐊᕐᑲᖕᖏᓂᐅᑉ ᐊᒻᒪᓗ ᐃᓄᐃᑦ ᐃᓚᐅᓂᓇᕐᑲᑦᑕᑕᖏᑦᑕ ᐱᓇᓱᐊᕐᑐᓄᑦ.

ᓱᕐᖤᒍᓐᓇᓂᖓᓄᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᒍᓐᓇᓂᖓᓄᓪᓗ ᐊᖏᕐᑲᑎᒦᒍᑎᒃ (IBAs)

ᓱᕐᖤᒍᓐᓇᓂᖓᓄᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᒍᓐᓇᓂᖓᓄᓪᓗ ᐊᖏᕐᑲᑎᒦᒍᑎᑏᑦ ᓈᒻᒪᕐᑯᐊᓈᑦᑎᓯᒍᑎᑦᓴᑦ ᐊᑐᕐᑕᐅᓯᐊᕐᒪᖔᑕ ᐃᑉᐱᒍᓱᑦᓯᐊᕈᑎᐅᕗᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᓂᐊᕐᓂᖏᓐᓂᒃ ᐱᑭᓪᓕᕐᑯᑎᐅᓂᐊᖕᖏᓂᖏᓐᓂᓗ ᑐᑭᓯᔭᐅᑎᑦᓯᒍᑎᑦᑲᕐᓯᑎᒃ ᐅᔭᕋᕐᓂᐊᑐᕐᑲᓕᕐᐸᑦ. ᑕᒐ ᓇᓗᓄᕐᑕᐅᓯᒪᑦᓯᐊᓇᐊᕐᑲᕐᐳᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᓂᐊᖕᖏᓂᖏᑦ ᐃᓄᓐᓄᑦ, ᐱᓗᐊᕐᑐᖅ ᐊᑦᑐᐊᔭᐅᓂᕐᑲᕐᓂᐅᔭᕐᓂᐊᓗᓄᑦ. ᓱᕐᖤᒍᓐᓇᓂᖓᓄᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᒍᓐᓇᓂᖓᓄᓪᓗ ᐊᖏᕐᑲᑎᒦᒍᑎᑦ ᐃᓄᓐᓂᒃ ᐃᓚᐅᒍᓐᓇᑎᑦᓯᒍᑎᑦᓯᐊᒍᕗᑦ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᑖᕐᐸᓕᐊᒍᓐᓇᓂᒃᑯᑦ ᐊᕐᕐᑯᑎᒋᑦᓱᒋᑦ ᐱᒋᐅᕐᓴᑎᑕᐅᓃᑦ ᐱᓇᓱᒐᑦᓴᕐᑲᕐᑎᓯᒍᓐᓇᓃᓪᓗ, ᑲᔪᓯᑎᑦᓯᒍᑎᑦᓯᐊᒍᑦᓯᑎᒃ ᐃᑉᐱᒍᓱᒋᐊᑦᓯᐊᕈᑎᑦᓴᓂᒃ, ᑮᓇᐅᔭᓄᓪᓗ ᐅᑎᕐᑕᐅᑎᑦᓯᕐᑲᑦᑕᓂᒃᑯᑦ ᐱᒋᐊᕐᑲᕐᓂᔫᓄᑦ.

ᓱᕐᖤᒍᓐᓇᓂᖓᓄᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᒍᓐᓇᓂᖓᓄᓪᓗ ᐊᖏᕐᑲᑎᒦᒍᑎᒃ ᐃᓄᓐᓄᑦ ᓈᒻᒪᒋᔭᐅᑐᐃᓐᓇᓚᖓᓂᖤᒍᑎᐅᖕᖏᓚᖅ. ᐊᖏᕐᑲᑎᒦᒍᑎᒃ ᑐᖕᖓᕕᕐᑲᓇᐊᕐᑲᕐᕐᑯᖅ ᐃᔅᕐᑐᐊᕐᑲᓇᐊᕐᑲᖕᖏᓂᕐᒥᒃ ᐃᓚᐅᑦᓯᐊᓇᐊᕐᑲᕐᓂᖏᓐᓂᓗ ᓄᓇᕐᑲᑎᒦᓕᒫᑦ ᓄᓇᓕᓐᓂᒃ ᑭᒡᒐᑐᕐᑎᑐᐃᓐᓇᐅᖏᑦᑐᑦ. ᐃᓄᐃᑦ ᖃᐅᔨᒋᐊᕐᕕᐅᓯᒪᑦᓴᐅᑎᒋᒋᐊᕐᑲᕐᐳᑦ ᐱᓇᓱᑦᑕᐅᓚᖓᔪᒎᓚᖓᔪᓚᒫᑦ ᐅᕐᑲᐅᓯᐅᒋᕐᑲᕐᒪᑕ ᐃᓱᒪᒋᔭᖏᓪᓗ ᐃᓱᒫᓘᑎᒋᔭᖏᓪᓗ ᐃᓱᒪᒋᓕᐅᑎᔭᐅᒋᐊᕐᑲᕐᒪᑕ (Rodon, 2014).

ᐃᓄᐃᑦ ᓄᑭᕐᑲᕕᒋᔭᖏᓪᓗ

ᐃᓄᐃᑦ ᐅᕐᑲᕐᓯᒪᑦᓯᐊᓇᐊᕐᑲᕐᐳᑦ ᓱᓇᓂᒃ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᐅᒐᔭᕐᑐᓂᒃ ᓄᓇᒥᓂ ᐱᓇᓱᐊᕐᑕᐅᕐᑯᔨᒪᖔᕐᒥᒃ (ᐅᔭᕋᕐᓂᐊᓃᑦ, ᐳᓚᕋᕐᑐᓕᓇᓃᑦ ᐊᓯᖏᓪᓗᓃᑦ). ᐅᔭᕋᕐᓂᐊᓂᖅ ᐱᓪᓗᒍ, ᐱᑭᓪᓕᕐᑯᑎᐅᒐᔭᕐᑐᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᖕᖏᓂᖏᓪᓗ ᐊᑦᔨᒌᖕᖏᑑᒍᓐᓇᑐᑦ ᖃᓄᐃᑦᑑᓂᖓ ᐅᔭᕋᕐᓂᐊᑕᐅᔪᑦ ᒪᓕᑦᓱᒍ, ᐅᔭᕋᕐᓂᐊᕕᐅᓪᓗ ᖃᓄᐃᓕᖓᓂᖓ (ᐅᑦᑑᑎᒋᑦᓱᒍ ᓄᓇᓕᖕᓂᒃ ᖃᓄᓪᓗᐊᑎᒋᒃ ᐅᖓᓯᒋᔭᕐᑲᕐᓂᖓ), ᓄᓇᓖᓪᓗ ᖃᓄᐃᑦᑑᓂᖓ ᑐᖕᖓᑐᒃᑯᑦ ᓱᕐᕋᑕᐅᓂᕐᐸᐅᔪᑦ (ᐊᖏᓂᖓ, ᓄᓇᓕᒻᒥᐅᑦ ᖃᓄᐃᖕᖏᓯᐊᕐᓂᖏᑦ/ᖃᓄᐃᖕᖏᓯᐊᖕᖏᑑᓂᖏᑦ, ᐊᓯᖏᓪᓗ). ᑕᒪᒃᑯᓂᖓ ᓇᓪᓕᒃᑭᑎᕐᑲᓇᐊᕐᑲᓕᑭᑎᒃ, ᓄᓇᕕᒻᒥᐅᑦ ᐊᑐᐃᓐᓇᕐᑲᑦᓯᐊᓇᐊᓖᑦ ᑐᑭᓯᒪᐅᑎᑦᓴᓯᐊᓂᒃ ᐱᑭᓪᓕᕐᑯᑎᐅᓂᖓᓂᒃ ᐱᑭᓪᓕᕐᑯᑎᐅᖕᖏᓂᖓᓂᓪᓗ ᕿᒥᕐᕈᑭᑎᑦᓴᒥᓂᒃ ᑐᑭᑖᑦᓯᐊᕈᓐᓇᓂᐊᕋᒥᒃ.

ᐃᓱᒫᓘᑎᐅᔪᑦ ᐃᒫᖕᒐᓚᒍᑏᓪᓗ

ᓇᐅᓕᒫᓂᒃ ᐃᓗᓯᓕᓇᓂᕐᒧᑦ ᐊᓪᓚᕕᒻᒥᐅᑦ ᐅᔭᕋᕐᓂᐊᓂᓕᓇᔨᓂᒃ ᓄᓇᕕᒻᒥ ᐅᔭᕋᕐᓂᐊᓇᐊᕐᑐᕈᒪᔪᓂᒃ ᓚᒍᑕᐅᒻᒥᑎᓪᓗᒍ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᕐᓂᐊᓂᖅ ᐃᓄᓐᓄᑦ ᓈᒻᒪᒋᔭᐅᒻᒪᖔᑦ ᖃᐅᔨᓴᕐᕐᑲᓇᐊᕐᑲᕐᑐᓇᑦᓯᐅᑦ. ᒐᒪ ᑐᒋᓯᑎᑦᓯᓯᐊᓇᐊᕐᑲᕐᓂᐊᓕᕋᒥᒃ ᐱᑭᓪᓕᕐᑯᑎᐅᓂᖓ ᐊᖏᓂᕐᓴᐅᒪᖔᑦ ᐱᑭᓪᓕᕐᑯᑎᐅᖕᖏᓂᓇᓂᐊᕐᑕᖏᓐᓂᑦ ᐃᓄᓐᓄᑦ. ᐃᔅᕐᑐᐊᕐᑲᖕᖏᓂᖅ ᐃᓄᐃᓪᓗ ᐃᓚᐅᑎᑕᐅᓂᖓ ᐱᑭᓪᓕᐊᔭᐅᓂᖓᓄᑦ ᑐᑭᓯᓇᕐᑎᑕᐅᑦᓯᐊᓇᐊᓕᒃ. ᐅᔭᕋᕐᓂᐊᓂᓕᓇᔨᑦ ᐊᖏᕐᑕᐅᓯᒪᓂᕐᒥᓂᒃ ᑲᔪᓯᑎᑦᓯᓯᐊᓇᐊᖔᑦ ᑐᓴᐅᒪᑎᑦᓯᖏᓐᓇᓕᒫᕐᓗᑎᒃ ᐅᔭᕋᕐᓂᐊᕕᑦ ᐅᒃᑯᐃᖕᒦᕐᓂᓕᒫᖏᓐᓂ.

ᐃᓄᐃᑦ ᐃᒻᒥᓂᒃ ᐊᐅᓚᑦᓯᒍᓐᓇᓂᕐᒥᓂᒃ ᐱᓇᓱᐊᑦᓯᐊᓇᐊᖔᑦ ᓇᓪᓕᑲᕐᓗᑎᓪᓗ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᐅᓚᖓᔪᓂᒃ ᓄᓇᒥᓂ (ᐅᔭᕋᕐᓂᐊᕕᑦ, ᐳᓚᕋᕐᑐᓕᓇᓃᑦ ᐊᓯᖏᓪᓗᓃᑦ) ᐊᒻᒪᓗ, ᐅᔭᕋᕐᓂᐊᓂᕐᓂᒃ ᓇᓪᓕᑲᓚᖓᒍᑎᒃ, ᖃᓄᐃᑦᑑᒐᔭᕐᓂᖓᓂᒃ ᓇᓪᓕᑲᕐᓗᑎᒃ.

12.ᐃᓱᓕᐅᑎᖏᑦ

ᓄᓇᕕᒻᒥ ᐅᔭᕋᓂᐊᕋᑦᓴᓕᕐᔪᐊᒍᕗᖅ ᐅᓂᖕᒫᓇᔭᐅᓪᓚᓇᑦᑐᓂᒃ ᐅᔭᕋᓂᐊᓂᓕᓇᔨᓄᑦ. ᐅᔭᕋᓂᐊᓂᖅ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᑖᕐᕕᓴᑦᓯᐊᒍᒍᓐᓇᐳᖅ ᑕᕐᕋᒥ ᐱᓇᓱᒐᑦᓴᖅᑲᑦᓯᐊᖏᑦᑐᒥᐅᒍᔪᖅᑲᕐᓱᓂ.

ᑭᓯᐊᓂᓕ, ᐊᑦᑕᓇᕐᑐᑕᖅᑲᕐᒥᔪᑦ ᐊᑦᔨᒌᖅᖏᑐᓂᒃ ᐅᔭᕋᓂᐊᕕᐅᔪᓂ, ᓄᓇᓕᓐᓂᒃ ᖃᓄᓪᓗᐊᑎᒋᒃ ᖃᓂᑕᖅᑲᕐᓂᖕᒐ ᓄᓇᓖᓪᓗ ᓱᕐᕋᑕᐅᓯᒪᓂᕐᐸᐅᔪᑦ (ᐃᓄᒋᐊᓐᓂᖏᑦ, ᐃᓄᖏᑦᑕ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᑯᑦ ᖃᓄᐃᓕᖕᒐᓂᖏᑦ, ᐊᓯᖏᓪᓗ). ᐱᓇᓱᑦᑕᐅᓚᖕᒐᔪᑦ ᐃᐸᐱᒋᔭᐅᑦᓯᐊᖃᑦᑕᓇᐊᓖᑦ ᐱᕙᓪᓕᕐᑯᑎᑦᓯᐊᒍᕐᑯᑦᓱᒋᑦ ᐃᑯᓪᓚᑎᒋᐊᕈᒪᑦᓱᒋᓪᓗ ᓱᕐᖽᓂᕐᓗᕈᑕᐅᒍᓐᓇᑐᑦ. ᓱᒃᑯᓇᕐᑐᑕᖃᕋᒥᒃ, ᓄᖑᔪᐃᑦᑐᖅ ᐅᐊᕈᑦᓯᓯᒪᐅᑎᖏᓪᓗ ᖃᓄᐃᖅᖏᓯᐊᕈᓐᓄᕈᑕᐅᒍᓐᓇᑐᓂᒃ ᓱᕐᕋᑕᐅᓐᓇᑐᑦᑕᖃᑐᐃᓐᓇᓇᐊᖃᕐᐳᑦ. ᐊᑦᑎᒥᒃ ᓂᕿᑐᐃᓐᓇᓂᓪᓗ ᓱᒃᑯᓇᕐᑐᑖᕐᑎᓯᑦᔭᖑᓇᔭᐅᓲᑦ ᐃᓱᒫᓘᑎᒋᔭᐅᑦᓱᑎᓪᓗ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒥᒃ ᓱᕐᖽᓂᖃᑐᐃᓐᓇᓇᐊᖃᕐᓂᖏᑦ. ᑕᒪᒃᑯᐊ ᐃᓱᒫᓘᑎᒋᔭᐅᔪᑦ ᓱᓕᐸᑦᐸᑕ ᓱᓕᓪᓗᐊᖏᑦᐸᑦᐸᑕᓘᓐᓃᑦ, ᐊᕝᕕᐊᓗᑕᐅᑐᐃᓐᓇᓇᐊᓖᑦ ᐃᓄᐃᑦ ᐃᓅᓚᓱᐊᕐᓂᖓᓄᑦ, ᐱᓗᐊᕐᑐᖅ ᒪᕿᓐᓂᑯᑦ, ᐃᖃᓪᓕᐊᓂᒃᑯᑦ ᓄᓂᑭᒋᐊᕐᐸᓂᒃᑯᓗ, ᓱᕐᖽᓂᕐᓗᓯᒪᑐᐃᓐᓇᓇᐊᖃᕐᓱᑎᓪᓗ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ.

ᐊᑐᐊᒐᓕᐊᒍᓯᒪᔪᑦ ᑐᑭᓯᓇᕐᑎᓯᒻᒪᑕ ᐊᑦᔨᒌᖅᖏᓂᓪᓚᓇᓐᓂᖏᓐᓂᒃ ᓱᕐᖽᓂᕐᓗᕈᑕᐅᒍᓐᓇᑐᑦ ᓱᕐᖽᓯᐊᕈᑎᐅᒍᓐᓇᑐᐃᓪᓗ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᓂᐊᑐᖃᕐᓂᐊᐸᑦ ᐊᑯᓂᕐᑐᒧᓪᓗ ᑭᖑᓂᖃᕈᑎᒋᓂᐊᕐᑕᖒᒐᑕ, ᐱᓗᐊᕐᑐᖅ ᐃᓱᒪᒃᑯᑦ ᐃᓅᓯᒃᑯᓗ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᒥᒃ, ᐱᕙᓪᓕᕐᑯᑎᐅᒋᐊᖃᕐᓂᖏᑦ ᐃᑭᓐᓂᓴᐅᔫᓕᕐᑎᓗᒋᑦ. ᓯᕗᕋᕈᑎᑦᓴᐅᒐᓗᐊᕐᒪᑦ ᐃᓄᐃᑦ ᖃᓄᐃᖅᖏᓯᐊᖅᖏᑑᒥᓕᓈᕐᑎᓗᒋᑦ ᖃᓄᐃᖅᖏᓯᐊᖅᖏᑑᒋᐊᓪᓚᑐᐃᓐᓇᓇᐊᖃᕐᓂᖏᑦ. ᓯᕗᓪᓕᐅᔨᒐᑦᓴᐅᑎᓪᓗᒋᑦ, ᐃᓄᑦᑎᒍᑦ ᖃᓄᐃᖅᖏᓯᐊᓇᐊᖃᕐᓂᖅ ᐊᑦᔨᒌᑦᑎᓯᒋᐊᖃᕐᓂᓗ, ᓱᕐᕋᑕᐅᓂᕐᓗᕈᑕᐅᒍᓐᓇᑐᑦ ᓱᕐᕋᑕᐅᑦᓯᐊᕈᑎᐅᒍᓐᓇᑐᐃᓪᓗ ᑎᒥᑦᑐᒥᒃ ᐱᓇᓱᐊᕐᑐᖃᓚᖒᐸᑦ ᕿᒥᕐᕈᔭᐅᑦᓯᐊᓇᐊᖃᕐᒪᑕ ᐱᓇᓱᑦᑕᐅᔪᖅ ᐃᓄᓐᓄᑦ ᐱᕙᓪᓕᕐᑯᑎᐅᓂᐊᕐᐸᑦ.

ᖃᐅᔨᒪᓇᑦᓯᐊᖏᓪᓚᖅ ᖃᓄᓪᓗᐊᑎᒋ ᓱᕐᖽᓯᒪᓂᓇᒍᓐᓇᑕᖒ ᓄᖑᔪᐃᑦᑐᒥᒃ ᐅᔭᕋᓂᐊᓂᐅᑉ ᑎᒥᒻᒥᒃ, ᐃᓱᒪᒥᒃ, ᐃᓅᓯᕐᒥᒃ ᐅᑉᐱᓂᕐᒥᓗ ᐃᓄᑦᑎᒍᑦ. ᖃᐅᔨᒪᓇᑦᓯᐊᖏᓐᓂᑯᖒᓄᑦ ᐃᑉᐱᒋᔭᐅᑦᓯᐊᓇᐊᖃᕐᐳᖅ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᓗᓂᓗ ᐊᓪᓚᑕᐅᑦᓯᐊᖃᑦᑕᓗᑎᓪᓗ ᓱᕐᖽᓯᒪᐅᑎᐅᒍᓐᓇᑐᑦ ᑕᕐᕋᒥᐅᓂᒃ ᑎᒥᒻᒥᒃ ᐱᓇᓱᐊᕐᑐᖃᓚᖒᐸᑦ.

ᐃᓄᐃᑦ ᐱᒍᓐᓇᐅᑎᒥᓂᒃ ᐊᑐᓇᐊᖃᕐᒪᑕ ᓇᓪᓕᒃᑲᕐᓗᑎᓪᓗ ᒪᑭᑕᒐᓱᐊᕈᑎᑦᓴᓂᒃ ᓄᓇᒥᓐᓂ (ᐅᔭᕋᓂᐊᓂᕐᓂᒃ, ᐳᓚᕋᕐᑐᓕᓇᓂᕐᓂᒃ ᐊᓯᖏᓐᓂᓘᓐᓃᑦ), ᐊᒻᒪᓗ, ᐅᔭᕋᓂᐊᑐᖃᕐᓂᐊᐸᑦ, ᖃᓄᐃᑦᑐᒥᒃ ᐅᔭᕋᓂᐊᓂᕐᒥᒃ ᕿᓪᓚᑐᐃᒍᑎᖃᕈᒪᒻᒪᖒᒥᒃ. ᑐᑭᑖᕋᓱᐊᑦᓯᐊᕈᓐᓇᓂᖒᒐ ᐊᐅᓚᑦᔭᓇᐊᕈᑎᖃᕈᓐᓇᓂᖒᒐᓗ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᓂᒃ ᐃᓄᓐᓃᓕᖒᔪᓂᒃ ᐊᑦᑕᓐᓂᑎᕐᑕᐅᒋᐊᖃᕐᒪᑦ ᐊᑐᓕᕐᑎᑕᐅᓂᖏᓐᓄᑦ ᒪᓕᕐᑦ ᐱᑦᔪᑎᓖᑦ ᐃᔨᕐᑐᐊᖃᓇᐊᖃᖅᖏᓂᕐᒥᒃ ᐅᒃᑯᐃᖒᑦᓯᐊᓂᕐᒥᓗ ᐱᓇᓱᐊᕐᑕᐅᔪᖃᕐᓂᓕᒫᖒᓂ.

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ᐃᓚᒋᐊᕈᑎᒃ 1
ᐊᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓᓄᑦ ᒪᓕᒐᑦᓴᑦ (INSPQ, 2003)

ᐃᑉᐱᒍᓱᑦᓯᐊᓂᖅ

ᐊᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᕕᒻᒥ ᓂᐱᖃᕐᑎᓯᒍᑕᐅᒋᐊᖃᕐᐳᖅ ᐊᑦᑕᓇᕐᓯᒍᑎᐅᒍᓐᓇᑐᑦ ᐃᑯᓪᓚᑎᑕᐅᒋᐊᖃᕐᓂᖏᓐᓂᒃ ᐱᑕᖃᕈᓐᓄᑎᑕᐅᓂᖏᓐᓂᓘᓐᓃᑦ ᒍᓐᓇᕕᓕᒫᖓᒍᑦ, ᐃᑉᐱᒍᓱᑦᓯᐊᓇᐊᖃᕐᓂᓗ ᐊᖏᕈᑕᐅᑦᓯᐊᑎᓪᓗᒍ ᐊᑦᑕᓇᕐᓯᒌᓕᕐᑯᕆᒧᑦ. ᐃᑯᓪᓚᑎᑦᓯᒐᓱᐊᕐᓂᑯᑦ ᖃᐅᔨᓴᕐᓂᑎᒍᓪᓗ ᓇᓗᓕᕐᓯᒪᓇᕐᑐᓂᒃ (ᐃᑉᐱᒍᓱᑦᓯᐊᓇᐊᖃᕐᓂᑯᑦ).

ᐃᒻᒥᓂᒃ ᐊᐅᓚᑦᓯᒍᓐᓇᓂᖅ

ᐊᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᕕᒻᒥ ᓲᖅᒍᓱᑎᑦᓯᒋᐊᕈᑎᐅᖃᑕᐅᒋᐊᖃᕐᐳᖅ ᐊᑕᐅᓯᐅᑦᑎᑐᑦ ᐱᒍᓐᓇᑕᖏᓐᓂᒃ ᓄᓇᓕᒥᓪᓗ ᐱᒍᓐᓇᑕᐅᔪᓂᒃ ᑐᑭᑖᑦᓯᐊᓇᐊᖃᕐᓂᒧᑦ ᐊᐅᓚᑦᔭᓇᐊᕈᑎᖃᖃᑦᑕᓂᐊᕐᓗᑎᓪᓗ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᒍᓐᓇᑐᓂᒃ ᐊᑦᑐᐊᔭᐅᒍᑎᒥᓂᒃ.

ᐊᑦᔨᒌᑦᑎᓯᓂᖅ

ᐊᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᕕᒻᒥ ᐃᑉᐱᒍᓱᑦᓯᐊᕈᑕᐅᒋᐊᖃᕐᐳᖅ ᐊᑦᔨᒌᒥᒃ ᓯᐊᒻᒪᑎᑕᐅᖃᑦᑕᒪᖓᑕ ᐱᕝᕙᓪᓕᕐᑎᑦᓴᑦ ᐱᕝᕙᓪᓕᕐᑯᑎᐅᖅᑭᑐᐃᓪᓗ ᐊᑦᑕᓇᕐᓯᒍᑕᐅᓂᐅᔭᕐᑐᓈᓕᖓᔪᑦ ᓄᓇᓕᓐᓂ.

ᐅᒃᑯᐃᖅᒫᑦᓯᐊᓂᖅ

ᐊᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᕕᒻᒥ ᐃᓚᐅᒍᒪᔪᓂᒃ ᓱᕐᕋᑕᐅᓯᒪᔪᓂᓪᓗ ᐱᓇᓱᖃᑎᒋᔭᐅᒍᓐᓇᓱᑎᒃ ᐃᓚᐅᑎᑦᓯᓯᐊᓇᐊᖃᕐᐳᑦ ᐃᓱᒪᒥᓂᒃ ᓂᑦᔮᕈᑎᖃᖃᑦᑕᓂᐊᕐᒪᑕ, ᐃᓱᒫᓘᑎᒋᔭᒥᓂᓪᓗ, ᑐᑭᑖᕐᑕᐅᒋᐊᓕᓐᓂᒃ ᑐᑭᑖᕋᓱᐊᕐᖃᑕᐅᖃᑦᑕᓗᑎᒃ ᐊᐅᓚᑦᓯᔨᓂᓪᓗ ᑐᑭᑖᕋᓱᐊᕐᖃᑕᐅᖃᑦᑕᓗᑎᒃ.

ᓯᕗᓪᓕᐅᔨᒐᑦᓴᐅᓂᖓ ᐃᓄᐃᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᖓ

ᐊᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᕕᒻᒥ ᓯᕗᓪᓕᐅᔨᒍᑕᐅᒋᐊᖃᕐᐳᖅ ᐃᓄᐃᑦ ᖃᓄᐃᖅᑭᓯᐊᓇᐊᖃᕐᓂᖓᑕ ᓴᐳᑦᔭᐅᓯᒪᒋᐊᖃᕐᓂᖓᓂᒃ.

ᖃᐅᔨᓴᕐᓂᒎᓕᖓᓂᖓ

ᐊᑦᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᕕᒻᒥ ᑐᖅᖓᕕᖃᓇᐊᖃᕐᐳᖅ ᖃᐅᔨᒪᔭᐅᑦᓯᐊᑐᓂᒃ, ᖃᐅᔨᓴᕐᑕᐅᓯᒪᔪᓂᓪᓗ ᖃᐅᔨᒋᐊᕐᕕᐅᓯᒪᑎᓪᓗᒋᑦ ᖃᐅᔨᓴᕐᑏᑦ; ᐃᓱᒪᒋᔭᐅᒻᒥᑎᓪᓗᒋᑦ ᐃᑭᓐᓂᓴᓄᑦ ᐃᓱᒪᒋᔭᐅᔪᑦ ᐊᑦᔨᒌᖅᑭᑐᓪᓗ ᐃᓱᒪᑦᓴᓯᐅᕐᑕᐅᓯᒪᑎᓪᓗᒋᑦ; ᐃᓂᓪᓚᑕᐅᓯᒪᑦᓯᐊᓗᓂᓗ.

ᐃᔨᕐᑐᐊᕐᖃᓇᐊᕐᖃᖅᑭᓂᖅ

ᐊᑦᑕᓇᕐᓯᑐᐃᓐᓇᓇᐊᓖᑦ ᐊᐅᓚᑕᐅᓂᖓ ᓇᐅᓕᒫᓂ ᐃᓗᓯᓕᓇᕕᒻᒥ ᐊᑐᐃᓐᓇᐅᑎᑕᐅᑦᓴᐅᑎᒋᒋᐊᖃᕐᐳᑦ ᑐᓴᐅᒪᑎᑦᓯᒍᑎᑦᓴᓕᒫᑦ ᑐᑭᓯᑎᑦᓯᒍᑎᑦᓴᓕᒫᓪᓗ ᑕᒪᑐᒥᖓ ᖃᐅᔨᒪᒍᒪᔪᓄᑦ ᓱᕐᕋᑕᐅᓯᒪᔪᓄᓪᓗ, ᓲᓯᒋᑦᓯᐊᓗᒋᑦ ᐱᕐᑯᔭᑎᒍᑦ ᑭᓇᒃᑯᓄᑐᐃᓐᓇᖅ ᖃᐅᔨᒪᔭᐅᒋᐊᖃᖅᑭᑐᑦ.