

Johnson, Bill H (DNR)

From: Fred Marinelli <[REDACTED]>
Sent: Friday, October 05, 2012 12:37 PM
To: Johnson, Bill H (DNR)
Cc: Peter J. Hinck; Tina Pint; Paul Haby; Carlson, Erik (MPCA); David Blaha; Houston Kempton; Cory D. Anderson
Subject: Re: Sulfate release rate for flotation tailings

Bill,

Can someone at MDNR confirm that the current values in GoldSim v3 (see below) are correct?

Thanks,

Fred

On Fri, Oct 5, 2012 at 11:32 AM, Cory D. Anderson <[REDACTED]> wrote:

Fred, you are correct in your interpretation.

The previous numbers were averages of a large date range.

CDF057 was Steve Day's proposal for determining the "initial period" release rate.

The GoldSim v3 numbers I believe are from the MDNR systematic proposal for determining the "initial period" release rate.

No mistake, the GoldSim v3 values are the correct numbers.

Thanks Fred,

Cory D. Anderson

MS Civil Engineering
Water Resources
Minneapolis office: [REDACTED]
[REDACTED]

www.barr.com

resourceful. naturally.



From: Fred Marinelli [mailto:]
Sent: Friday, October 05, 2012 12:26 PM
To: Cory D. Anderson
Cc: Paul Haby; Carlson, Erik (DNR); David Blaha; Houston Kempton
Subject: Sulfate release rate for flotation tailings

Cory,

Can you help me with this? I may be misinterpreting the numbers.

Mean sulfate release in mg SO₄ / kg / week

FTB Fine

Previous 5.97

CDF057 v1 11.9

GoldSim v3 18.8

FTB Coarse

Previous 5.47

CDF057 v1 11.7

GoldSim v3 11.9

Thanks,

Fred

--

Fred Marinelli

Senior Groundwater Hydrologist

Interralogic, Inc.

4715 Innovation Dr., Ste. 110

Fort Collins, CO 80525

Phone: [REDACTED]

E-mail: [REDACTED]

Website: www.interralogic.com

--

Fred Marinelli

Senior Groundwater Hydrologist

Interralogic, Inc.

4715 Innovation Dr., Ste. 110

Fort Collins, CO 80525

Phone: [REDACTED]

E-mail: [REDACTED]

Website: www.interralogic.com