

From: Robert Palla
To: Nathan E Bixler
Date: 05/24/2007 2:44:25 PM
Subject: RE: Cost Benefit Equation Terms

Nate - this is covered in Section 5.7.1 of NUREG/BR-0184 (which I had included in the box of documents I sent at the outset of project), and it is also described in Section G.6.1 of our SAMA evaluation for Pilgrim (page G-30), and in the licensee's Environmental Report/SAMA submittal. Joe should have all of these. Essentially, the cost (or averted cost if one is looking at an improvement) = the annual reduction in public exposure (in person-rem per year) x \$2000 per person-rem x present value conversion factor (e.g., the factor is 10.76 for a 20-year period with a 7-percent discount rate.) Bob

>>> "Bixler, Nathan E" <nbixler@sandia.gov> 05/24/2007 12:08 PM >>>
Bob,

What is the formula for calculating the cost related to offsite radiation exposure?

Nate

-----Original Message-----

From: Robert Palla [mailto:RLP3@nrc.gov]
Sent: Thursday, May 24, 2007 5:10 AM
To: Jones, Joe A
Cc: Bixler, Nathan E
Subject: Cost Benefit Equation Terms

Joe - I am not sure whether I had provided you with this table previously. It shows how each of the terms in the cost benefit equation are derived, and their relative significance for Pilgrim. Bob

CC: jojones@sandia.gov

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Subject: RE: Cost Benefit Equation Terms
Creation Date 05/24/2007 2:44:25 PM
From: Robert Palla

Created By: RLP3@nrc.gov

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