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Los Alamos and Pueblo
Canyons

Darlene Goering

From: Paige Walton [paigewalton@msn.com]
Sent: Wednesday, January 26, 2005 11:40 AM
To: Darlene Goering
Cc: John Young; Dave Cobrain; June Dreith
Subject: Re: Risk Scenarios

Hi Darlene -

I read through the report, specifically Section 8.2, and your questions below. Here are my thoughts.

1. According to Section 8.2.5.1, p. 8-44 (I believe you still have this), the construction worker scenario was only run at the location of the wastewater treatment plant. Does LANL need to run the scenario at the other construction locations or are the trail user and extended backyard scenarios more conservative?

Page 8-34 of the text indicates that the construction activities are unlikely to be focused on areas of contaminated sediments, as these areas are often prone to flooding. However, the text also indicates that health and safety planning would be required for any construction in these areas. The current construction scenario is sufficient to represent potential risk at the area where the wastewater treatment plant is to be constructed. My only concern would be if any construction were to be taken place within the flood plain and in the area of contaminated sediments. This is because the current construction scenario does not represent a worst-case risk to a construction worker. If construction activities are to be conducted at different locations than that identified in the document and specifically in flood plain areas, then LANL would need to demonstrate that risks would be less than or equal to the risks currently evaluated.

As for the resident and trail user, I think that the existing scenarios represent pretty conservative evaluations, and we are OK. The trail user and extended backyard scenarios apply across the entire watershed, and therefore, I think that the scenarios are adequately conservative for these scenarios. If in the future any residential houses were to be built in the floodplain, additional analyses would be warranted.

2. Is the trail user scenario a subset of the recreational scenario? Is the extended backyard scenario a subset of the residential scenario? Yes, that is how I understand it. Also the trail user and extended backyard scenarios apply across the entire watershed and are conservative scenarios.

Let me know if this helps, or I just made it clear as mud.
Thanks,
Paige

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

From: "Darlene Goering" <darlene_goering@nmenv.state.nm.us>
To: "Paige Walton" <paigewalton@msn.com>
Cc: "John Young" <john_young@nmenv.state.nm.us>; "Dave Cobrain" <david_cobrain@nmenv.state.nm.us>
Sent: Tuesday, January 25, 2005 11:28 AM
Subject: Risk Scenarios

> Paige,
>
> I'm hoping you can clarify some things for me. For the Los Alamos and
> Pueblo



> Canyons Investigation Report; LANL used the trail user and extended
> backyard
> exposure scenario for the entire watershed. This is fine except it may not
> be consistent with future land use, which we have been told will include
> a
> golf course (outside of the floodplain), school facilities
> (warehouse/garage/administration, not classrooms), a trash transfer
> station,
> preservation of archeological sites (no public access), utilities, road
> improvements, new wastewater treatment plant, and continued open
> space/recreation. In addition, LANL used the residential, resource user,
> and
> construction worker scenarios at specific locations.

> Here are my questions:

> 1. According to Section 8.2.5.1, p. 8-44 (I believe you still have this),
> the construction worker scenario was only run at the location of the
> wastewater treatment plant. Does LANL need to run the scenario at the
> other
> construction locations or are the trail user and extended backyard
> scenarios
> more conservative?

> 2. Is the trail user scenario a subset of the recreational scenario? Is
> the
> extended backyard scenario a subset of the residential scenario?

> Thanks

> Darlene Goering
> Hazardous Waste Bureau
> 428-2542 Phone
> 428-2567 Fax

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