

From: Stephen Klementowicz
To: Alicia Mullins
Date: Thu, Oct 5, 2006 4:24 PM
Subject: Re: Susquehanna Acceptance Review

Alicia, attached is my acceptance.

I listed all the areas for which Andrew and I will be responsible for. This is to be clear what we will review and within your expectations. I also intend to use the list as a template during our actual review, thus the long detailed version.

In summary; Since the normal radiological subject areas are all Category 1, the licensee has provided no information. Thus, the licensee's application is acceptable. However, because a power uprate is being prepared, there is a need to examine the license renewal at the uprated power level before we can agree it is Category 1.

Steve K

>>> Alicia Mullins 10/02/2006 10:15 AM >>>
Hello Team,

As a reminder the acceptance review acceptabilty is due to me by Friday Oct 6, 2006.
Please submit your opinions no later than Tuesday Oct 10.

Charge your time to TACs: MD3021 and MD3022.

Thanks
Alicia

CC: Andrew Luu

Mail Envelope Properties (452569F2.B04 : 21 : 35428)

Subject: Re: Susquehanna Acceptance Review
Creation Date Thu, Oct 5, 2006 4:24 PM
From: Stephen Klementowicz
Created By: SXK@nrc.gov

Recipients

nrc.gov
 ANL CC (Andrew Luu)
 AXM7 (Alicia Mullins)

Post Office

Route
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| Files | Size | Date & Time |
|-------------------------------------------------------|-------------|-----------------------------------|
| MESSAGE | 1709 | Thursday, October 5, 2006 4:24 PM |
| License Renewal - Acceptance Review - Susquehanna.wpd | 5977 | Thursday, October 5, 2006 4:16 PM |

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Acceptance Review for the Susquehanna Steam Electric Station, Units 1 and 2, Environmental Report

I have reviewed the subject report in the following areas specified in NUREG -1437;

Section 2.2.4 Radioactive Waste Treatment Systems

- 2.2.4.1 Gaseous Radioactive Waste
- 2.2.4.2 Liquid Radioactive Waste
- 2.2.4.3 Solid Radioactive Waste

Section 3.8 Radiological Impacts

3.8.1 Public Exposures

- 3.8.1.1 Regulatory Requirements
- 3.8.1.2 Effluent Pathways for Calculations of Dose Commitment to the Public
- 3.8.1.3 Risk Estimates from Radiation Exposure
- 3.8.1.4 Baseline Gaseous and Liquid Effluents
- 3.8.1.5 Dose to the Public from Radiological Effluents
- 3.8.1.6 Dose to the Public from On-Site Storage of Radioactive Materials
- 3.8.1.7 Cumulative Impacts
- 3.8.1.8 Mitigation
- 3.8.1.9 Conclusions

3.8.2 Occupational Dose

- 3.8.2.1 Baseline Occupational Exposure
- 3.8.2.2 Projected Doses During Refurbishment
- 3.8.2.3 Analysis of Occupational Exposures
- 3.8.2.4 Cumulative Impacts
- 3.8.2.5 Conclusions

Section 4.6 Radiological Impacts of Normal Operation

4.6.1 Public Exposure

- 4.6.1.1 Radionuclide Deposition
- 4.6.1.2 Direct Radiation
- 4.6.1.3 Transportation-Related Radiation Doses
- 4.6.1.4 Radiological Monitoring

4.6.2 Public Radiation Doses

- 4.6.2.1 Maximally Exposed Individual
- 4.6.2.2 Average Individual Dose and Population Dose Commitment
- 4.6.2.3 Projected Doses for License Renewal
- 4.6.2.4 Mitigation
- 4.6.2.5 Conclusion

4.6.3 Occupational Radiation Dose

- 4.6.3.1 Baseline Occupational Dose
- 4.6.3.2 Projected Doses for License Renewal
- 4.6.3.3 Conclusion

Acceptance review: The above subject areas are all Category 1, for which the applicant has not provided any information in their application. This is acceptable.

However, the licensee is preparing to request an increase in the authorized power level of the reactors. Increased power level will have an impact on all the above subject areas. It is unknown at this time whether the licensee will remain in Category 1 for these subject areas. Site specific information on the power uprate and its impact on the above subject areas will need to be evaluated once the power uprate application is submitted.