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Considerations for Estimating Site-Specific Probable Maximum Precipitation at Nuclear Power Plants in the United States of America

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Considerations for Estimating Site-Specific Probable Maximum Precipitation at Nuclear Power Plants in the United States of America

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General Comment

I find this guidance as a useful addition to the material available on extreme precipitation estimates for design and regulatory purposes. In particular, I find the details that are included on the techniques an improvement over the material presented in the WMO-1045 document in the reference list, which is very general (in the WMO document). I also prefer the approach used in the NUREG/KM-0015 as a superior approach to that given in documents such as NOAA Atlas 14. The NOAA Atlas 14 gives the appearance of a more objective method of estimating extreme precipitation, but the unevenness of data period of records used mask the uncertainty inherent. The NUREG/KM-0015 does an excellent job of outlining the subjective portions of the latest PMP techniques and address the uncertainties for applicants. It is well written and precise.