

REQUEST FOR OMB REVIEW

(Under the Paperwork Reduction Act and Executive Order 12291)

Important — Read instructions (SF-83A) before completing this form. Submit the required number of copies of SF-83, together with the material for which review is requested to:

Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503

1. Department/Agency and Bureau/Office originating request U.S. Nuclear Regulatory Commission	3. Name(s) and telephone number(s) of person(s) who can best answer questions regarding request
2. 6-digit Agency/Bureau number (first part of 11-digit Treasury Account No.) 3 1 5 0 — —	4. 3-digit functional code (last part of 11-digit Treasury Account No.) 2 7 6
5. Title of Information Collection or Rulemaking 10 CFR 100, Appendix A, "Seismic and Geologic Siting Criteria for Nuclear Power Plants"	C. Is this a rulemaking submission under Section 3504(h) of P.L. 96-511? (Check one) 1 <input checked="" type="checkbox"/> No (Section 3507 submission) 2 <input type="checkbox"/> Yes, NPRM. Expected date of publication: _____ 3 <input type="checkbox"/> Yes, final rule. Expected date of publication: _____ Effective date: _____
6. A. Is any information collection (reporting or recordkeeping) involved? (Check one) 1 <input checked="" type="checkbox"/> Yes and proposal is attached for review 2 <input type="checkbox"/> Yes but proposal is not attached — skip to question D. 3 <input type="checkbox"/> No — skip to question D. B. Are the respondents primarily educational agencies or institutions or is the purpose related to Federal education programs? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	D. At what phase of rulemaking is this submission made? (Check one) 1 <input checked="" type="checkbox"/> Not applicable 2 <input type="checkbox"/> Major rule, at NPRM stage 3 <input type="checkbox"/> Major Final rule for which no NPRM was published 4 <input type="checkbox"/> Major Final rule, after publication of NPRM 5 <input type="checkbox"/> Nonmajor rule, at NPRM stage 6 <input type="checkbox"/> Nonmajor rule, at Final stage

COMPLETE SHADED PORTION IF INFORMATION COLLECTION PROPOSAL IS ATTACHED

7. Current (or former) OMB Number None Expiration Date None	8. Requested Expiration Date	12. Agency report form number(s) NA
9. Is proposed information collection listed in the information collection budget? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. Will this proposed information collection cause the agency to exceed its information collection budget allowance? (If yes, attach amendment request from agency head.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	13. Are respondents only Federal agencies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
11. Number of report forms submitted for approval	14. Type of request (Check one) 1 <input type="checkbox"/> preliminary plan 2 <input checked="" type="checkbox"/> new (not previously approved or expired more than 6 months ago) 3 <input type="checkbox"/> revision 4 <input type="checkbox"/> extension (adjustment to burden only) 5 <input type="checkbox"/> extension (no change) 6 <input type="checkbox"/> reinstatement (expired within 6 months)	

15. <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>a. Approximate size of universe (if sample)</td><td align="center">NA</td></tr> <tr><td>b. Size of sample</td><td align="center">NA</td></tr> <tr><td>c. Estimated number of respondents or record keepers per year</td><td align="center">8</td></tr> <tr><td>d. Reports annually by each respondent (item 25)</td><td align="center">1</td></tr> <tr><td>e. Total annual responses (item 15c x 15d)</td><td align="center">8</td></tr> <tr><td>f. Estimated average number of hours per response</td><td align="center">25,000</td></tr> <tr><td>g. Estimated total hours of annual burden in Fiscal Year (item 15e x 15f)</td><td align="center">67,000</td></tr> </table>	a. Approximate size of universe (if sample)	NA	b. Size of sample	NA	c. Estimated number of respondents or record keepers per year	8	d. Reports annually by each respondent (item 25)	1	e. Total annual responses (item 15c x 15d)	8	f. Estimated average number of hours per response	25,000	g. Estimated total hours of annual burden in Fiscal Year (item 15e x 15f)	67,000	16. Classification of Change in Burden (explain in supporting statement) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th align="center">No. of Responses</th> <th align="center">No. of Reporting Hours</th> <th align="center">Cost to the Public</th> </tr> </thead> <tbody> <tr> <td>a. In inventory</td> <td align="center">0</td> <td align="center">0</td> <td align="center">\$ 0</td> </tr> <tr> <td>b. As proposed</td> <td align="center">8</td> <td align="center">67,000</td> <td align="center">\$</td> </tr> <tr> <td>c. Difference (b-a)</td> <td align="center">8</td> <td align="center">67,000</td> <td align="center">\$</td> </tr> <tr> <td colspan="4">Explanation of difference (indicate as many as apply)</td> </tr> <tr> <td colspan="4">Adjustments</td> </tr> <tr> <td>d. Correction-error</td> <td align="center">+</td> <td align="center">+</td> <td align="center">+ \$</td> </tr> <tr> <td>e. Correction-reestimate</td> <td align="center">+</td> <td align="center">+</td> <td align="center">+ \$</td> </tr> <tr> <td>f. Change in use</td> <td align="center">+</td> <td align="center">+</td> <td align="center">+ \$</td> </tr> <tr> <td colspan="4">Program changes</td> </tr> <tr> <td>g. Increase</td> <td align="center">+</td> <td align="center">8</td> <td align="center">+ 67,000 \$</td> </tr> <tr> <td>h. Decrease</td> <td align="center">-</td> <td align="center">-</td> <td align="center">- \$</td> </tr> </tbody> </table>		No. of Responses	No. of Reporting Hours	Cost to the Public	a. In inventory	0	0	\$ 0	b. As proposed	8	67,000	\$	c. Difference (b-a)	8	67,000	\$	Explanation of difference (indicate as many as apply)				Adjustments				d. Correction-error	+	+	+ \$	e. Correction-reestimate	+	+	+ \$	f. Change in use	+	+	+ \$	Program changes				g. Increase	+	8	+ 67,000 \$	h. Decrease	-	-	- \$
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17. Abstract—Needs and Uses (50 words or less)

NRC regulations, 10 CFR 100, Appendix A, require applicants to provide information which show evidence or clues as to the size and frequency of occurrence of pre-historic earthquakes, and evidence of last time there was movement along faults at the stie or site region to determine potential for fault offset during life of a nuclear power plant.

18. Related report form(s) (give OMB number(s), IRCN(s), internal agency report form number(s) or symbol(s))

NA

20. Catalog of Federal Domestic Assistance Program Number

21. Small business or organization Yes No

19. Type of affected public (Check as many as apply)

- 1 individuals or households
- 2 state or local governments
- 3 farms
- 4 businesses or other institutions (except farms)

22. Type of activity of affected public—indicate 3-digit Standard Industrial Classification (SIC) code(s) (up to 10) — if over 10, check Multiple or All

4 8 3

23. Brief description of affected public (e.g., "retail grocery stores," "State education agencies," "households in 50 largest SMSAs")

Nuclear Power Plant Applicants

24. Purpose (Check as many as apply. If more than one, indicate predominant by an asterisk)

- 1 application for benefits
- 2 program evaluation
- 3 general purpose statistics
- 4 regulatory or compliance
- 5 program planning or management
- 6 research

26. Collection method (Check as many as apply)

- 1 mail self-administered
- 2 other self-administered
- 3 telephone interview
- 4 personal interview
- 5 recordkeeping requirement:
Required retention period: _____ years
- 6 other—describe:

25. Frequency of Use

- 1 Nonrecurring
- Recurring (check as many as apply)
- 2 on occasion
- 3 weekly
- 4 monthly
- 5 quarterly
- 6 semiannually
- 7 annually
- 8 biennially
- 9 other—describe:

27. Collection agent (Check one)

- 1 requesting Department/Agency
- 2 other Federal Department/Agency
- 3 private contractor
- 4 recordkeeping requirement
- 5 other—describe:

28. Authority for agency for information collection or rulemaking—indicate statute, regulation, judicial decree, etc.

10 CFR

30. Do you promise confidentiality? (If yes, explain basis for pledge in supporting statement.)

Yes No

29. Respondent's obligation to reply (Check as many as apply)

- 1 voluntary
- 2 required to obtain or retain benefit
- 3 mandatory—cite statute, not CFR (attach copy of statutory authority)

31. Will the proposed information collection create a new or become part of an existing Privacy Act system of records? (If yes, attach Federal Register notice or proposed draft of notice.)

Yes No

32. Cost to Federal Government of information collection or rulemaking \$ 222,667

COMPLETE ITEMS 33 THRU 35 ONLY IF RULEMAKING SUBMISSION

33. Compliance costs to the public

\$ _____

34. Is there a regulatory impact analysis attached?

Yes No

35. Is there a statutory or judicial deadline affecting issuance?

Yes. Enter date: _____
 No

CERTIFICATION BY AUTHORIZED OFFICIALS SUBMITTING REQUEST—We certify that the information collection or rulemaking submitted for review is necessary for the proper performance of the agency's functions, that the proposal represents the minimum public burden and Federal cost consistent with need, and is consistent with applicable OMB and agency policy directives. Signature and title of:

APPROVING POLICY OFFICIAL FOR AGENCY

DATE

SUBMITTING OFFICIAL

DATE

Patricia G. Norry

11-12-82

R. Stephen Scott

11/15/82

Supporting Statement for
10 CFR 100, Appendix A

1. JUSTIFICATION

Need for the Information Collection

The Commission's regulations, 10 CFR Part 100, Appendix A (Criterion II, Paragraph 3; Criterion IV; and Criterion VI (b)(1)) require applicants to provide the types of information which show evidence or clues as to the size and frequency of occurrence of pre-historic earthquakes, and evidence of the last time there was movement along faults at the site or in the site region to determine whether or not there is a potential for fault offset during the life of a nuclear power plant.

Appendix A, supplemented by the Standard Format and the Standard Review Plan, is used by applicants as general guidance in planning investigations of nuclear power plant sites.

Practical Utility of the Information Collection

The information required by 10 CFR Part 100, Appendix A, is submitted to the NRC as part of the application and supporting documentation for a construction permit and operating license for a nuclear power plant. The staff reviews the geological and seismological information to determine the suitability of the proposed site for a nuclear power plant and the suitability of the plant design bases established in consideration of the seismic and geologic characteristics of the proposed site. A construction permit or operating license cannot be issued until this data has been reviewed and approved by the NRC.

Duplication with Other Collections of Information

This information does not duplicate other information being provided to NRC.

Consultations Outside the NRC

The NRC, in its development of Part 100, obtained advice from the U.S. Geological Survey. As a proposed rule, comments were requested from other agencies.

Other Supporting Information

Regulatory Guide 1.70 (Standard Format) and the Standard Review Plan provide guidance to applicants and licensees in their submittal of Appendix A information.

2. DESCRIPTION OF THE INFORMATION COLLECTION

Number and Type of Respondents

Each applicant for a construction permit or operating license is required to submit geologic and seismic information. The number of respondents affected depends on the number of utilities submitting either an application for a construction permit or operating license. Over the next three years, through FY 85, no new construction permit applications are expected. Eight operating license applications are scheduled in FY 83.

Reasonableness of the Schedule for Collecting Information

The information required by 10 CFR Part 100, Appendix A, must be submitted with the application for a construction permit or operating license. The NRC review process for a construction permit or an operating license application ranges from one to several years. The NRC staff (Geosciences Branch) reviews the Safety Analysis Report for one to two months and, if necessary, generates a request for additional information. The applicant usually responds within one to six months, depending on the complexity of the issues. The average time is usually about three months. The responses are reviewed and a draft Safety Evaluation Report is written summarizing conclusions and highlighting any outstanding issues. The staff arranges for a meeting and site visit to resolve any open issues. When the open issues have been resolved, the staff writes the final Safety Evaluation Report which is published and used as a basis for the remainder of the NRC licensing process, i.e., the meeting with the Advisory Committee on Reactor Safeguards (ACRS) and hearing before the Atomic Safety and Licensing Board, which usually takes about 1½ years.

Method of Collecting the Information

The information must be submitted to NRC as part of the application for a construction permit or operating license. It must be reviewed in parallel by several technical reviewers. In addition, the documentation is provided for concurrent reviews by the Advisory Committee on Reactor Safeguards, technical consultants, and is made available to state and local officials and the NRC's Public Document Room. Therefore, submittal of the information as part of the voluminous application is the most practical means of getting the information, as opposed to reviewing the information at the applicants' offices.

Record Retention Period

NRC does not require applicants to retain the submitted information.

Reporting Period

The Appendix A information only needs to be submitted at the time the application for the construction permit or operating license is submitted. If the submittal is found to be incomplete by the NRC, applicants will have to provide additional information.

Copies Required to be Submitted

Applicants are required to submit 40 copies of their application for a construction permit or operating license for simultaneous review by the NRC and its contractors to ensure that reviews are completed on schedule.

3. ESTIMATE OF BURDEN

Estimated Hours Required to Respond to the Collection

Over the next three years, there will not be any burden hours for CP applications since no new ones are expected. However, eight operating license (OL) applications are expected over the next three years.

For the eight OL applications, based on passed experience and discussions with licensees, it is estimated that the burden will be on the average of about 25,000 person hours per respondent. Thus, the OL burden will be 200,000 person hours (8 X 25,000). The average annual burden is estimated to be about 67,000 person hours.

Source of Burden Data and Method for Estimating Burden

The burden estimates are based on our knowledge of the number of individuals and the length of time required in the past by applicants to obtain and evaluate the data, and discussions with licensees.

4. ESTIMATE OF THE COST TO THE FEDERAL GOVERNMENT

Effort required by the Geosciences Branch during a Construction Permit review can range from about 1/2 person year for a site with uncomplicated geology in a region of low seismicity to as many as three person-years for very complex sites. An estimated average amount of effort required to review the geology and seismology of each application for a construction permit is about one person-year (1,800 person-hours). The effort expended for reviewing the geologic and seismic aspects of

operating license applications can range from 1/4 person-year to 3 person-years, again depending on the complexity of the site and region around the site. An estimated average amount of effort by the Geosciences Branch to review an operating license application is about 1/2 person-year, or 900 person-hours. The approximate average cost is \$36,000 for each OL review or \$288,000 for 8 OL reviews.

The NRC staff uses outside consultants, on a case-by-case basis, whose cost runs from about \$5,000 to \$10,000 per site review (7,500 X 8 = 60,000). The U.S. Geological Survey will be involved in the review of about 5 sites. The average effort will be 1 person-year per site at \$100,000. The total expenditure for the 5 sites will be 5 person-years for a total of \$500,000.

The overall approximate cost to the Federal Government will be about \$848,000 for the remaining eight OL reviews expected during the next three years or \$282,667 on an annual basis.