

8 September 1997

Re: NEPA Technical Inquiry 0026 - Air Force Guide Books, Floodplains

Dear NEPA Call-In User:

This letter is in response to your 10 February 1997 request for guide books available from the US Air Force concerning floodplains. You stated guide books about floodplains would be useful to GSA, and you are interested if the Air Force or other organization had any.

NEPA Call-In contacted Mr. Charles Brown, Physical Scientist, Environmental Analysis, Air Force Center for Environmental Excellence (AFCEE/ECA), (210) 536-4203, who stated he did not know of any Air Force guide books addressing floodplains. Mr. Brown suggested we contact Dr. Patricia Chamberlain, Natural Resources Specialist, Resource Conservation, AFCEE/ECR, (210) 536-3815.

We contacted Dr. Chamberlain who stated there are no Air Force guide books addressing floodplains. However, Secretary of the Air Force Order 790.1, "Delegation of Authority with Respect to Floodplain Management - Executive Order 11988," 10 December 1993 (enclosed), delegates responsibility with respect to flood plain management to the Deputy Assistant Secretary of the Air Force. Dr. Chamberlain further stated the Air Force is working on guidance addressing fish and wildlife, forestry, wetlands, and floodplains, but this guidance is not expected to be published until 1998. She suggested we contact the US Army Corps of Engineers (USACE) for guide books on floodplains.

NEPA Call-In contacted Ms. Marie Vanderpool, USACE, Kansas City District, (816) 426-3358, who provided the following information (enclosed):

1. "Flood Proofing Systems and Techniques," USACE, December 1984;
2. "Flood Proofing Techniques, Programs, and References," USACE, February 1991;
3. "Local Flood Proofing Programs," USACE, June 1994;
4. "Flood Proofing Tests," USACE, August 1988;
5. "Flood Proofing Technology," USACE, April 1994;
6. "Flood Proofing Bibliography," USACE, June 1988;
7. "Protecting Floodplain Resources," Federal Interagency Floodplain Management Task Force, undated;
8. "A Unified National Program for Floodplain Management," Federal Interagency Management Task Force, 1994; and
9. "Flood-Prone Property: A Guide for the Builder and the Developer," Tennessee Valley Authority, undated.

Ms. Vanderpool suggested we contact the Federal Emergency Management

Agency (FEMA) for further information.

We contacted Mr. Jack Quarles, Civil Engineer, FEMA, Denton, TX, (817) 898-5156. Mr. Quarles stated he would search their library and provide guide books addressing floodproofing of non residential structures and other topics of floodplain management. Mr. Quarles provided the following information (enclosed):

1. "How to Use a Flood Map to Determine Flood Risk for a Property," FEMA 258, May 1995;
2. "A Guide for Community Officials, Appeals, Revisions, and Amendments to National Flood Insurance Program Maps," FEMA, Federal Insurance Program (FIA) 12, December 1993;
3. "Answers to Questions About Substantially Damaged Buildings," FEMA 213, May 1991;
4. "Mandatory Purchase of Flood Insurance Guidelines," FEMA 186, October 1989;
5. "Reducing Losses in High Risk Flood Hazard Areas: A Guidebook for Local Officials," FEMA 116, February 1987;
6. "Floodproofing Non-Residential Structures," FEMA 102, May 1986;
7. "Coastal Construction Manual," FEMA 55, February 1986;
8. "Design Guidelines for Flood Damage Reduction," FEMA 15, December 1981;
9. "Users Guide to Technical Bulletins," FEMA, FIA Technical Bulletin (TB)-0, April 1993;
10. "Openings in Foundation Walls for Buildings Located in Special Flood Hazard Areas," FEMA, FIA-TB-1, April 1993;
11. "Flood-Resistant Materials Requirements for Buildings Located in Special Flood Hazard Areas," FEMA, FIA-TB-2, April 1993;
12. "Non-Residential Floodproofing--Requirements and Certification for Buildings Located in Special Flood Hazard Areas," FEMA, FIA-TB-3, April 1993;
13. "Elevator Installation for Buildings in Special Flood Hazard Areas," FEMA, FIA-TB-4;
14. "Free-of-Obstruction Requirements for Buildings Located in Coastal High Hazard Areas," FEMA, FIA-TB-5, April 1993;
15. "Below-Grade Parking Permits for Buildings Located in Special Flood Hazard Areas," FEMA, FIA-TB-6, April 1993; and
16. "Wet Floodproofing Requirements for Structures Located in Special Flood Hazard Areas," FEMA, FIA-TB-7.

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based upon laws, regulations, and policies in place at the time it was prepared and this response will not be updated to reflect changes to those laws, regulations and

Sincerely,

(Original Signed)

NEPA Call-In Researcher