Federal Emergency Management Agency

Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404

MAY 10 2001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Laurence D. Keller
Mayor of the Borough of New Hope
41 North Main Street
New Hope, Pennsylvania 18938

IN REPLY REFER TO:

Case Number:	01-03-105P
Community Name:	Borough of New Hope, Bucks County, Pennsylvania
Community Number:	420195
Map Number:	42017C0327
Effective Date of this Revision:	MAY 10 2001

102-D

Dear Mayor Keller:

The Flood Insurance Study (FIS) and Flood Insurance Rate Map (FIRM) for Bucks County, Pennsylvania (All Jurisdictions), which include flood hazard information for the Borough of New Hope, have been revised by this Letter of Map Revision (LOMR) to reflect a more up-to-date hydraulic analysis along the Delaware River than that used to prepare the May 18, 1999, FIS for Bucks County as well as to correct the name of a dam. The subject area is located from a point immediately upstream of the corporate limit boundary between the Borough of New Hope and the Township of Solebury to a point approximately 700 feet upstream of the corporate limit boundary. This revision was initiated by [redacted], of Borton-Lawson Engineering, Inc., in a submittal dated March 22, 2001.

We received the following data, prepared by Borton-Lawson Engineering, Inc., in support of this revision:

- HEC-2 hydraulic backwater models, dated February 6, 2001 and March 20, 2001, of the 10% (10-year), 2% (50-year), 1% (100-year), and 0.2% (500-year) annual chance floods and floodway for the Delaware River, duplicating the models used to prepare the May 18, 1999, FIS and FIRM for Bucks County;

- HEC-2 hydraulic backwater models, dated March 21, 2001 and April 17, 2001, of the 10%, 2%, 1%, and 0.2% annual chance floods and floodway for the Delaware River, reflecting existing conditions;

- a portion of a topographic work map originally dated May 31, 1996, and prepared by the U.S. Army Corps of Engineers, and revised by Borton-Lawson Engineering on March 14, 2000, titled Revised Floodway: Letter of Map Revision for Delaware River Floodway Revision, at a scale of 1"=100', with a contour interval of 4 feet, reflecting the existing conditions floodway and the location and orientation of the cross sections used to prepare the aforementioned HEC-2 hydraulic backwater models;

- a letter, dated April 25, 2001, from [redacted], of Scannapieco Development Corporation, stating that the floodway revision is located entirely on his client's property and his client accepts the revised floodway; and

- completed application/certification forms, including community concurrence with the request.

We received all data necessary to process this revision by April 25, 2001.

Based on our review of the submitted data, we are issuing this LOMR to reflect decreases in the 1% annual chance water-surface elevations and narrowing of the floodway along the Delaware River. The maximum decrease in 1% annual chance water-surface elevations is 0.1 foot. This LOMR revises the Bucks County FIS report, Table 8 (Floodway Data), and FIRM number 42017C0327 F, both dated May 18, 1999, as shown on the enclosed annotated portions of the FIS and annotated portion of the FIRM. Please note that flood profile 68P of the FIS report has not been revised due to scale limitations.

This revision is effective as of the date of this letter. Any requests to review or alter this determination should be made within 30 days and must be based on scientific or technical data.

We based this determination on the 1% annual chance discharges published in the May 18, 1999, FIS for Bucks County. We have not considered changes in watershed conditions that may have occurred since the publication of the Bucks County FIS and that may have increased discharges. Additionally, future development of projects upstream of the subject area could change watershed conditions and increase discharges. A comprehensive restudy of your community's flood hazards would consider any changes to flood hazard conditions subsequent to the publication of the FIS for Bucks County, and the flood hazards shown in the FIS and FIRM could be increased.

Your community must approve all proposed floodplain development and ensure that permits required by Federal and Commonwealth law have been obtained. Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set standards for construction that are higher than the minimum National Flood Insurance Program (NFIP) criteria or may limit development in floodplain areas. If the Commonwealth of Pennsylvania or the Borough of New Hope has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

Because of funding constraints, we must limit the number of republications. Consequently, we will not republish the FIS and FIRM for Bucks County to reflect this determination. However, we will incorporate this determination when we next republish the FIS and FIRM number 42017C0327. We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP map. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

We have enclosed a document titled "List of Current Flood Insurance Study Data," which includes this letter, to help your community maintain all information for floodplain management and flood insurance. If any of the items in that document are not filed in your community's map repository, please contact the Federal Emergency Management Agency (FEMA) Map Assistance Center at the number listed below for information on how to obtain those items.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

Use the map panel listed above and revised by this letter for flood insurance policies and renewals issued for property located on this panel.

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management ordinances that meet or exceed minimum NFIP criteria. These criteria, including adoption of the FIS and FIRM, and the revisions made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent Commonwealth or local requirements to which the regulations apply.

If you have any questions, please do not hesitate to contact Mr. Erik Rourke at (215) 931-5665, or the FEMA Map Assistance Center toll free at 1-877-FEMA-MAP (336-2627).

Sincerely,

Thomas M. Majusiak, P.E.
Director, Mitigation Division

Enclosures

cc: The Honorable James Greenwood, Member, U.S. House of Representatives
Mr. Robert Rynkiewicz, Borough of New Hope Zoning Officer
[redacted]

LIST OF CURRENT FLOOD INSURANCE STUDY DATA

This list is provided to document all information currently effective for your community for insurance and floodplain management.

Date: MAY 10 2001

Community: Borough of New Hope, Bucks County, Pennsylvania

Community Number: 420195

Page Number: 1 of 1

CURRENT EFFECTIVE FLOOD INSURANCE STUDY DATE: May 18, 1999

FLOOD INSURANCE RATE MAP

Map Index	Effective Date
42017CIND1 and 42017CIND2	May 18, 1999

Map Numbers	Effective Date
42017C0327 F and 42017C0330 F	May 18, 1999

LETTERS OF MAP REVISION

Map Numbers	Effective Date
42017C0327 F	MAY 10 2001

LETTERS OF MAP AMENDMENT AND MAP REVISION BASED ON FILL

None

BEST AVAILABLE DATA LETTERS

None

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NGVD)			
CROSS SECTION	DISTANCE[1]	WIDTH[2] (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Delaware River								
A-AB*								
AC	133.29	1,350	33,621	8.6	22.7	22.7	22.8	0.1
AD	133.62	974	27,230	10.6	24.2	24.2	24.7	0.5
AE	134.44	1,300	26,700	10.8	26.6	26.6	27.1	0.5
AF	135.26	1,550	28,099	10.2	30.4	30.4	30.4	0.0
AG	136.01	1,190	23,677	12.2	33.1	33.1	33.6	0.5
AH	136.62	1,640	29,449	9.8	37.9	37.9	38.4	0.5
AI	137.10	1,230	31,470	9.2	39.9	39.9	40.9	1.0
AJ	137.77	1,030	24,800	11.6	41.0	41.0	41.7	0.7
AK	138.29	930	24,791	11.6	42.7	42.7	43.7	1.0
AL	139.08	1,410	35,128	8.2	45.7	45.7	46.7	1.0
AM	139.40	1,894	43,543	6.6	46.4	46.4	47.3	0.9
AN	139.77	1,690	37,188	7.7	46.5	46.5	47.4	0.9
AO	140.14	1,450	32,029	9.0	47.2	47.2	48.0	0.8
AP	140.79	1,199	24,291	11.9	48.7	48.7	49.0	0.3
AQ	142.34	1,180	28,429	10.1	53.4	53.4	54.3	0.9
AR	142.78	1,123	25,273	11.4	54.0	54.0	54.9	0.9
AS	143.72	730	23,235	12.4	55.9	55.9	56.7	0.8
AT	144.31	890	24,525	11.7	57.7	57.7	58.3	0.6
AU	144.81	730	23,849	12.1	58.9	58.9	59.6	0.7
AV	145.87	1,040	27,866	10.3	62.5	62.5	63.1	0.6
AW	146.16	1,210	27,547	10.5	63.2	63.2	63.7	0.5
AX	146.80	1,060	23,506	12.3	64.4	64.4	64.8	0.4
AY	147.26	930	28,167	10.2	66.3	66.3	66.9	0.6
AZ	148.12	1,200	34,012	8.5	69.1	69.1	69.9	0.8

Area of Revision

[1]Miles above mouth
[2]Width extends beyond state boundary
*Floodway not computed - flooding controlled by tidal elevations

Revised to Reflect LOMR
Effective MAY 10 2001

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

BUCKS COUNTY, PA
(ALL JURISDICTIONS)

FLOODWAY DATA

DELAWARE RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NGVD)			
CROSS SECTION	DISTANCE[1]	WIDTH[2] (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Delaware River (continued)		Area of Revision			Area of Revision			
BA	148.74	1,140	30,513	9.4	71.1	71.1	71.8	0.7
BB	149.42	1,020	29,847	9.7	73.2	73.2	73.8	0.6
BC	149.90	860	22,204	13.0	74.1	74.1	74.8	0.7
BD	150.43	1,020	20,685	13.9	75.9	75.9	76.6	0.7
BE	150.93	1,030	19,540	14.7	78.5	78.5	78.8	0.3
BF	152.29	1,040	26,352	10.9	85.6	85.6	86.2	0.6
BG	152.95	2,480	35,727	8.1	88.1	88.1	88.8	0.7
BH	154.04	934	25,887	11.1	89.3	89.3	89.8	0.5
BI	154.88	1,240	27,772	10.4	93.1	93.1	93.2	0.1
BJ	155.49	1,605	35,939	8.0	97.0	97.0	97.8	0.8
BK	155.73	1,550	44,046	6.5	98.2	98.2	99.1	0.9
BL	156.48	781	23,288	12.4	98.7	98.7	99.6	0.9
BM	157.03	848	22,353	*	100.2	100.0	*	*
BN	157.51	910	21,632	*	103.1	103.1	*	*
BO	158.20	835	36,134	*	106.5	106.5	*	*
BP	158.99	1,417	34,998	*	108.7	108.7	*	*
BQ	159.33	1,320	30,909	*	109.2	109.2	*	*
BR	159.83	1,099	31,174	*	110.9	110.9	*	*
BS	159.99	1,423	33,163	*	111.7	111.7	*	*
BT	160.49	2,000	33,181	*	112.3	112.3	*	*
BU	160.77	2,056	34,088	*	113.3	113.3	*	*
BV	161.33	2,359	41,047	*	115.3	115.3	*	*
BW	161.99	2,159	26,307	*	116.7	116.7	*	*
BX	162.57	1,739	25,038	*	119.1	119.1	*	*
BY	163.01	1,157	28,789	*	124.5	124.3	*	*
BZ	164.01	1,483	28,293	*	126.1	126.1	*	*

[1]Miles above mouth
[2]Width extends beyond state boundary
*Based on hydraulic model used to develop previously effective FIS dated August 1978

Revised to Reflect LOMR
Effective MAY 10 2001

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

BUCKS COUNTY, PA
(ALL JURISDICTIONS)

FLOODWAY DATA

DELAWARE RIVER

MAP LEGEND

REVISED FLOODWAY

REVISED 100-YEAR FLOODPLAIN

APPROXIMATE SCALE

500 0 500 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

BUCKS COUNTY,
PENNSYLVANIA
(ALL JURISDICTIONS)

PANEL 327 OF 532

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW HOPE, BOROUGH OF	420195	0327	F
SOLEBURY, TOWNSHIP OF	420202	0327	F

Notice to User: The MAP NUMBER shown below should be used when placing map orders; the COMMUNITY NUMBER shown above should be used on insurance applications for the subject community.

MAP NUMBER
42017C0327 F

EFFECTIVE DATE:
MAY 18, 1999

REVISED TO REFLECT LOMR EFFECTIVE:

MAY 10 2001

Federal Emergency Management Agency