

Borough of Manville Supporting Documentation Community Rating System Annual Re-Certification 2017

NFIP Community No. 340437

Prepared for

Andrea L. Bierwirth
Borough Administrator
Borough of Manville
325 North Main Street
Manville, NJ 08835

Submitted by

Nicholas W. Agnoli, P.E.
NJ Professional Engineer No. GE045803



638A Main Road
Towaco New Jersey 07082

Last Revised on
October 15, 2017

**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 230
CC-230
Application
Cover Page**

Community Manville, Borough of State NJ CID 340437
 County Somerset

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

CC-213 Recertification

Recertification Due Date: October 15, 2017		
If there are any changes or corrections to the information below, please cross out the old item and write in the correction.		
	Chief Executive Officer	CRS Coordinator
Name	Andrea Bierwirth	Andrea Bierwirth
Title	Borough Administrator	Borough Administrator
Address	325 North Main Street	325 North Main Street
	Manville, NJ 08876	Manville, NJ 08876
Phone		908-725-9478
E-mail		abierwirth@manvillenj.org

I hereby certify that the Borough of Manville is continuing to implement the activities on the attached pages as credited under the Community Rating System and described in our original application to the CRS and subsequent modifications.

I hereby certify that, to the best of my knowledge and belief, we are maintaining in force all flood insurance policies that have been required of us as a condition of federal financial assistance for insurable buildings owned by us and located in the Special Flood Hazard Area (SFHA) shown on our Flood Insurance Rate Map. I further understand that disaster assistance for any community-owned building located in the SFHA is reduced by the amount of National Flood Insurance Program (NFIP) flood insurance coverage (structure and contents) that a community should be carrying on the building, regardless of whether the community is carrying a policy.

Signed  (Chief Executive Officer)

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

Your community has been verified as receiving CRS credit for the following activities. If your community is still implementing these activities the CRS coordinator is required to put his or her initials in the blank and attach the appropriate items. The numbers refer to the activity number which is found in the CRS Coordinator's Manual. If the word "attached" is used you must provide documentation material for that activity. If no material has been acquired for that activity please explain why there is no material from the past year.

- NA 310 EC: We are maintaining Elevation Certificates on all new and substantially improved buildings in our Special Flood Hazard Area.
- NA 310 EC: Attached is the permit list for new or substantially improved structures that have been completed in the last year. None
- NA 310 EC: Attached are the Elevation Certificates for new or substantially improved structures that have been completed in the last year that are included on the above permit list.
- NA 310 EC: We continue to make copies of Elevation Certificates on newer properties available at our present office location.
- NA 320 MI: We are providing basic flood information and additional FIRM information to inquirers.
- NA 320 MI: Attached is a copy of the publicity for the credited elements of this service this year.
- NA 320 MI: Attached is a copy of one page of the log, a letter, or other record that we kept on this service this year.
- NA 320 MI: We are continuing to keep our FIRM updated and maintain old copies of our FIRM.
- NA 330 OP: Attached are copies of all outreach projects conducted this year.
- NA 350 WEB: We continue to conduct an annual review and update of the information and links in our flood protection website.
- NA 410 MAP: We continue to use our additional regulatory flood data before a new development can proceed in our floodplain.
- NA 420 OSP: We continue to preserve our open space in the floodplain.

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

- NA 430: We continue to enforce the following regulations in our floodplain: freeboard for new and substantial improvement construction. Initial here if you have amended your floodplain regulations. Attach a copy of the amendment.
- NA 430 BC: We continue to enforce our current building code. Initial here if you have amended your building code. Attach a copy of the amendment.
- NA 440 FM: We continue to maintain our historical Flood Hazard Boundary Map, FIRMs and Flood Insurance Studies.
- NA 450 SMR: We continue to enforce the stormwater management and low impact development provisions of our zoning, subdivision and building code ordinances for new developments in the watershed. Initial here if you have amended your stormwater management regulations. Attach a copy of the amendment.
- NA 450 ESC/WQ: We continue to enforce the provisions of our zoning, subdivision and building codes as they pertain to erosion and sediment control and water quality.
- NA 502 RL: We currently have 227 repetitive loss properties and send our notice to 1029 properties in the repetitive loss areas.
- NA 502 RL: Attached is a copy of this year's notice on property protection, flood insurance and financial assistance that we sent to our repetitive loss areas.
- 510 FMP: Attached is a copy of our floodplain management plan's annual progress.
- NA 510 FMP: We have provided copies of this progress report to our governing board, local media, and the state NFIP Coordinating office.
- NA 520 AR: We continue to maintain as open space the lots where buildings were acquired or relocated out of the floodplain. Initial here if there have been any changes (additions or deletions) to the parcels credited as open space. Attach a description of those changes.

NOTE: Please do not mail or ship packages that need a signature. We will confirm receipt of your recertification submittal.

Additional Comments:

New credit requested: please see Activity 360 in this package

Attachments:

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County Somerset

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 County Somerset

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

CRS Program Data Table	A. In the SFHA	B. In a regulated floodplain outside the SFHA	C. In the rest of the community
1. Last report's number of buildings in the SFHA (bSF) (line 6, last report)	220		
2. Number of new buildings constructed since last report	+ 0	0	2
3. Number of buildings removed/demolished since last report	- 5	0	
4. Number of buildings affected by map revisions since last report (+ or -)	0	0	
5. Number of buildings affected by corporate limits changes (+ or -)	0	0	
6. Current total number of buildings in the SFHA (bSF) (total lines 1-5)	215		
7. Number of substantial improvement/damage projects since last report	0	0	
8. Number of repetitive loss properties mitigated since last report	5	0	0
9. Number of LOMRs and map revisions (not LOMAs) since last report	0		
10. Acreage of the SFHA (aSFHA) as of the last report (line 13, last report)	576		
11. Acreage of area(s) affected by map revisions since last report (+ or -)	0	0	
12. Acreage of area(s) affected by corporate limits changes (+ or -)	0	0	
13. Current acreage of the SFHA (aSFHA) (total lines 10-12)	576		
14. Primary source for building data:	Building Department Records		
15. Primary source for area data:	2013 Somerset County Hazard Mitigation Plan		
16. Period covered:	10/31/2016 - 10/31/2017	Current FIRM date	Sept 28, 2007
<i>If available, the following data would be useful:</i>			
17. Number of new manufactured homes installed since last report	0	0	0
18. Number of other new 1-4 family buildings constructed since last report	0	0	2
19. Number of all other buildings constructed/installed since last report	0	0	0

Comments:

(Please note the number of the line to which the comment refers.)

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

Instructions for CRS Program Data Table

At the first verification visit after the 2013 *CRS Coordinator's Manual* takes effect, ONLY LINES 6 AND 13 NEED TO BE COMPLETED. These lines form the baseline data about the number of buildings and area of the SFHA for when the table is completed as part of the next annual recertification. The "period covered" entered in line 16 is the date that lines 6 and 13 are first completed.

The entire table is completed at all subsequent annual recertifications and cycle verification visits. The information in lines 6 and 13 from the last report is transferred to lines 1 and 10 in the next report.

Instructions for the Columns

Column A numbers are for the SFHA (the A and V Zones shown on the Flood Insurance Rate Map) (FIRM)). Use the FIRM currently in effect, not a draft or pending revision.

Column B is completed only if the community receives CRS credit for regulating floodplain development outside the SFHA under Activity 410 (Floodplain Mapping) or Activity 430 (Higher Regulatory Standards).

Column C numbers help relate what happens in the floodplain to what is happening in the rest of the community.

Enter "0" if there are no numbers to report for this period. Do not leave a cell blank. Do not fill in the shaded boxes.

Instructions for the Lines

Lines 1-7 deal with buildings.

- Section 301.a of the *CRS Coordinator's Manual* defines what constitutes a "building" and lists examples of structures that are not counted as "buildings" by the CRS.
- Section 302.a of the *CRS Coordinator's Manual* describes how the CRS counts buildings. For example, accessory structures are not counted.
- As noted in Section 302.a, to determine building counts, communities may use any method that yields reasonably good estimates of the number of buildings. Examples of acceptable methods are listed in Section 302.a. Precision is less important for large numbers. For example, the impact of the numbers will not change much if there are 10,000 buildings or 10,100 buildings.
- If a building is out of the SFHA, but in a parcel that is partly in the SFHA, it is not counted in column A—In the SFHA.
- In line 14, note how the building counts were obtained or estimated. Use the comments area, if needed.

Line 4 refers to map revisions. These include physical map revisions, Letters of Map Revision (LOMR), and Letters of Map Amendment (LOMA). If a building is removed from the SFHA by FEMA through a LOMA, but the community still administers its floodplain management regulations on the property, the building should not be included in the line 4 count in column A—In the SFHA. However, communities that still regulate areas removed by LOMAs can receive credit under Activities 410 or 430. If the community is receiving such credit, the building should be counted under column B—In a regulated floodplain outside the SFHA.

Line 7 is for the total number of buildings that were substantially improved plus the number of buildings that were substantially damaged during the period covered.

Lines 10-13 deal with areas.

- Section 403.e of the *CRS Coordinator's Manual* discusses calculating areas for CRS purposes.

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- Section 403.e notes that communities "should not spend an inordinate amount of time measuring areas." As with buildings, communities may use any method that yields reasonably good estimates. Examples of acceptable approaches are listed in Section 403.e.
- Line 13 asks for the current acreage of the SFHA. The best source for this number is a GIS layer that shows the SFHA. If the community does not have GIS, the county, regional agency, or state NFIP mapping office may have SFHA layers and may be able to provide the data. If the community has a relatively recent FIRM, the study contractor or consulting engineer may have the data.
- In line 15, note how the area calculations were obtained or estimated. Use the comments area, if needed.

Lines 17–19 are voluntary, if the numbers are readily available.

- Line 17 includes replacing an existing manufactured home with a new one. The newly placed manufactured home is counted as a new, post-FIRM, building.
- The total of lines 17–19 should equal the value entered in line 2.

**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 310
Elevation
Certificates**

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name CARL & NANCY MARCINCAVAGE				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No 901 LINCOLN AVENUE				Company NAIC Number:	
City MANVILLE		State New Jersey		ZIP Code 08835	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) TAX LOT 47, BLOCK 191					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENTIAL</u>					
A5. Latitude/Longitude: Lat. <u>40.32.33</u> Long. <u>74.34.30</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.					
A7. Building Diagram Number <u>2a</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) _____ sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____					
c) Total net area of flood openings in A8.b _____ sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage _____ sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____					
c) Total net area of flood openings in A9.b _____ sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number BOROUGH OF MANVILLE 340437			B2. County Name SOMERSET		B3. State New Jersey
B4. Map/Panel Number 34035C0162	B5. Suffix E	B6. FIRM Index Date 02/15/1978	B7. FIRM Panel Effective/ Revised Date 09/28/2007	B8. Flood Zone(s) AE & X	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 41'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 901 LINCOLN AVENUE			Policy Number:
City MANVILLE	State New Jersey	ZIP Code 08835	Company NAIC Number

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: OPUS Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929 NAVD 1988 Other/Source: _____

Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

- | | | | |
|---|-------------|--|---------------------------------|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor) | <u>36.3</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor | <u>44.0</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only) | _____ | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| d) Attached garage (top of slab) | _____ | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building
(Describe type of equipment and location in Comments) | <u>36.3</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG) | <u>42.5</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG) | <u>43.0</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support | <u>42.3</u> | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No Check here if attachments.

Certifier's Name ANDREW KIRTLAND	License Number 24GS0433360	Place Seal Here
Title PROFESSIONAL LAND SURVEYOR		
Company Name KTJ ASSOCIATES, LLC		
Address 1019 OLD YORK ROAD		
City NESHANIC STATION	State New Jersey	
Signature 	Date 05/25/2017	Telephone (908) 754-7886

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)
FURNACE/HOT WATER HEATER LOCATED IN BASEMENT AT C2(e).

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 901 LINCOLN AVENUE			Policy Number:
City MANVILLE	State New Jersey	ZIP Code 08835	Company NAIC Number

**SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED)
FOR ZONE AO AND ZONE A (WITHOUT BFE)**

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name

Address _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments

Check here if attachments.

ELEVATION CERTIFICATE

OMB No. 1660-0008
 Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 901 LINCOLN AVENUE	Policy Number:
City MANVILLE	State New Jersey
ZIP Code 08835	Company NAIC Number

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate of Compliance/Occupancy Issued
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G7. This permit has been issued for: New Construction Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____

G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name	Title
-----------------------	-------

Community Name	Telephone
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Signature	Date
-----------	------

Comments (including type of equipment and location, per C2(e), if applicable)

Check here if attachments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008
Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 901 LINCOLN AVENUE			Policy Number:
City MANVILLE	State New Jersey	ZIP Code 08835	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One

Photo One Caption FRONT VIEW 05/25/2017



Photo Two

Photo Two Caption REAR VIEW 05/25/2017

**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 320
Map Information**

Borough of Manville

2017 Calendar



Mission Statement

"Our mission for the Borough of Manville is to enrich the quality of life for all residents, to maintain an attractive, inviting and secure community. We pledge to work in partnership with our residents to foster community pride, to develop a vibrant, diverse economy, to plan for the future, and to preserve and enhance the beauty of our town."

NOTICE TO ALL PROPERTY OWNERS OF THE BOROUGH OF MANVILLE --- REGARDING FLOOD PROTECTION INFORMATION

Manville has the distinction of being the location where the Raritan River (which passes to the north) and the tributary Millstone River (which passes to the east) join together, in the far northeastern corner of the borough. Severe flooding occurs in Manville when these rivers overflow their banks into the northern section (Raritan) and the Lost Valley section (Millstone). The Lost Valley section in eastern Manville is situated on the natural flood plain between the Raritan and Millstone Rivers, and bears the brunt of occasional flooding events which affect the river basins. The southern parts of Main Street also suffer from flooding, due to the presence of a stream that backs up with water from the nearby Millstone River in which it empties, known as the Royce Brook. Floodplains from each of these rivers can combine and isolate a central portion of the Borough of Manville, if flooding conditions become severe enough. Even though your property may not have been flooded recently, living in community that is over 35-percent 100-year floodplain by area means the risk of damage due to flooding is always present and you should take precautions. Someday, flood levels could affect your property and you should be prepared.

FLOOD INSURANCE RATE MAP ZONE DETERMINATIONS AND BOROUGH FLOOD SERVICES

As a public service, the Borough of Manville Building Department will provide you with the following information upon request:

- Whether your property is in a special flood hazard area as shown on the current flood insurance rate map (FIRM) on file.
- Additional flood insurance data for a site, such as the specific flood zone and the base flood elevation depth if shown on the FIRM.
- The Borough has a handout on flood insurance purchase requirements that can help people who may need a mortgage or loan for a property in the special flood hazard area. If you would like to make an inquiry, please note your street address and the lot and block of your property. Additionally materials concerning flooding are contained in the Manville Library.
- The Borough Construction Official, John Tamburini, can be contacted by calling 908-725-9478 ext. 117 Monday through Friday. Mr. Tamburini is available by appointment.

FLOOD INSURANCE

Approximately 12 percent of the buildings located in the Borough are located in a flood hazard area as mapped by the Federal Emergency Management Agency. Flood insurance is available for said properties. If you do not have flood insurance, contact your insurance agent regarding the same. A standard homeowner's insurance policy will not cover certain damage from flooding. However, the Borough participates in the National Flood Insurance Program which allows homeowners to purchase a separate flood insurance policy. This insurance is backed by the Federal Insurance program and is available to everyone, even to property owners who have previously been flooded. Some people have purchased flood insurance because it was required by a bank or mortgage company. There is a 26% chance of a possible flood during the life of a 30 year mortgage. Usually such policies only cover the building structure and not the contents. During flooding which occurs in the Borough, contents of a property can also be damaged. If you currently have flood insurance, you should make sure that contents are also covered. Flood insurance is also available to renters for personal property within a structure. There can be a 30 day waiting period before flood insurance coverage goes into effect. You should plan accordingly.

FLOOD SAFETY

All residents should remember the following in the event of a flood.

- Do not walk through flowing water during a flood. A mere 6 inches of fast moving flood water can knock over an adult. Currents can be deceptive and move faster than anticipated.
- Do not drive through flooded areas. Flood water can lead to vehicle damage, personal injury and even death in severe instances. It takes just 12 inches of rushing water to carry away a small car, while two feet - can carry away almost any automobile. Turn around, don't drown.
- Stay away from power lines and electrical wires. The number two killer regarding floods is electrocution. Electrical current can travel through water. Call 9-1-1 immediately to report a fallen or otherwise unsafe power line. If power lines are touching your car, do NOT get out unless your life is in immediate danger.
- Have your utilities turned off. If you know a flood is coming, you should shut off the gas and electricity and move valuable contents upstairs. This includes any such contents which are currently in a garage which also may be subject to flooding. It is wise to keep a detailed check list of things to do which would easily be available during and prior to emergency weather conditions. Some appliances such as television sets, keep electrical charges even after they have been unplugged. Don't use appliances or motors that have gotten wet unless they have been dried and certified as usable. You should also be alert for gas leaks. Use a flashlight to inspect for damage immediately after a flood. Don't smoke or use candles or other open flame unless you know the gas has been turned off in the area in question and said area is vented properly.
- During severe flood events, City Officials may decide that evacuation is necessary. Please follow all advisories and warnings in case of evacuation.

FLOODPROOFING

There are several different ways to protect a building from flood damage. One way is to keep water away by regrading your lot or building with a small flood wall or earthen berm. Another approach is to make your walls waterproof and place water tight closures over the doorways. This method is not recommended for houses with basements or if water levels will be over two (2) feet deep. A third approach is to raise the house above flood levels. A small wood frame house can usually be elevated above flood levels for approximately \$25,000.00. Many of the houses subjected to flooding in the golf course area have been raised in this manner. The above measures are referred to as flood proofing or retro-fitting. There are also steps which can be taken to protect against high wind velocity such as installing strong shutters and reinforced garage doors. Financial assistance may be available for certain flood mitigation activities. More information is available at the Manville Public Library. Important Note: Most alterations to your building or land require a permit from the Building Department. Please check with the Construction Official prior to implementing any of the above procedures to determine what permits may be necessary. Additionally, qualified/certified staff members will provide advice and assistance on how to retrofit or modify a building to protect it from flood damage. Please contact John Tamburini, the Borough's Construction Official for information at 908-725-9478 ext. 117.

WHAT YOU CAN DO TO HELP

The Borough always appreciates cooperation and assistance from property owners. Here are some of the ways in which you can help in Manville's efforts to reduce damage due to flooding.

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ABOUT THE MANDATORY PURCHASE OF FLOOD INSURANCE IN THE BOROUGH OF MANVILLE

The NFIP: The National Flood Insurance Program (NFIP) is a federal program enabling property owners in participating communities to purchase flood insurance on eligible buildings and contents, whether they are in or out of a floodplain. This community participates in the NFIP, making federally backed flood insurance available to its property owners.

The NFIP insures most walled and roofed buildings that are principally above ground on a permanent foundation, including mobile homes, and buildings in the course of construction. Property owners can purchase building and content coverage from any local property and casualty insurance agent. To find a local insurance agent that writes flood insurance in your area visit www.floodsmart.gov.

Mandatory Purchase Requirement: Pursuant to the Flood Disaster Protection Act of 1973 and the National Flood Insurance Act of 1994, the purchase of flood insurance is mandatory for all federal or federally related financial assistance for the acquisition and/or construction of buildings in Special Flood Hazard Areas (SFHAs). A SFHA is defined as any A or V flood zone on a Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM)

The mandatory purchase requirement also applies to secured loans from such financial institutions as commercial lenders, savings and loan associations, savings banks, and credit unions that are regulated, supervised, or insured by federal; agencies such as the Federal Reserve, the Federal Deposit Insurance Corporation, the Comptroller of Currency, the Farm Credit Administration, the Office of Thrift Supervision, and the National Credit Union Administration. It further applies to all loans purchased by Fannie Mae or Freddie Mac in the secondary mortgage market.

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How it Works: When making, increasing, renewing, or extending any type of federally backed loan, lenders are required to conduct a flood zone determination using the most current FEMA FIRM to determine if any part of the building is located in an SFHA. If the building is in an SFHA, the federal agency or lender is required by law to provide written notification to the borrower that flood insurance is mandatory as a condition of the loan. Even though a portion of real property on which a building is located may lie within an SFHA, the purchase and notification requirements do not apply unless the building itself, or some part of the building, is in the SFHA. However, lenders, on their own initiative, may require the purchase of flood insurance even if a building is located outside an SFHA. Up to 25% of all NFIP flood losses arise from outside SFHAs (B, C, and X Zones).

Under federal regulations, the required coverage must equal the amount of the loan (excluding appraised value of the land) or the maximum amount of insurance available from the NFIP, whichever is less. The maximum amount of coverage available for a single-family residence is \$250,000 and for non-residential (commercial) buildings is \$500,000. Federal agencies and regulators, including government-sponsored enterprises, such as Freddie Mac and Fannie Mae, may have stricter requirements.

Borough of Manville: Activity 320 Log
Map Information Service
Log of Walk-In and Telephone Map Information Inquiries

Date	Type	Address	Panel	Zone (A, AE, X)	BFE & Datum (feet)	Insurance Info Given (y/n)	Depth of BFE (feet)	Past flood or rep loss area? (y/n)
April 10, 2017	W	65 S. Reading Street	34035C0162E	AE	41.2 NAVD88	Y	N/A	Y
July 14, 2017 – July 31, 2017	T	802 Boesel Avenue	34035C0162E	AE	41.2 NAVD88	Y	N/A	Y
October 4, 2017	T	1125 Gress Street	34035C0161E	AE	47.0 NAVD88	Y	N/A	Y
October 4, 2017	T	58 S. Weiss Street	34035C0162E	AE	41.1 NAVD88	Y	N/A	Y

TYPE CODES

W = walk in

T = telephone request

L = letter or written request

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**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 330
Outreach Projects**

Borough of Manville

2017 Calendar



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- Stay away from power lines and electrical wires. The number two killer regarding floods is electrocution. Electrical current can travel through water. Call 9-1-1 immediately to report a fallen or otherwise unsafe power line. If power lines are touching your car, do NOT get out unless your life is in immediate danger.
- Have your utilities turned off. If you know a flood is coming, you should shut off the gas and electricity and move valuable contents upstairs. This includes any such contents which are currently in a garage which also may be subject to flooding. It is wise to keep a detailed check list of things to do which would easily be available during and prior to emergency weather conditions. Some appliances such as television sets, keep electrical charges even after they have been unplugged. Don't use appliances or motors that have gotten wet unless they have been dried and certified as usable. You should also be alert for gas leaks. Use a flashlight to inspect for damage immediately after a flood. Don't smoke or use candles or other open flame unless you know the gas has been turned off in the area in question and said area is vented properly.
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**Borough of Manville
Supporting Documentation
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Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 360
Flood Protection
Assistance**

Borough of Manville

2017 Calendar



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Federal financial assistance programs affected by the laws include loans and grants from agencies such as the Department of Veterans Affairs, Farmers Home Administration, the Federal Housing Administration, Small Business Administration, and FEMA disaster assistance.

How it Works: When making, increasing, renewing, or extending any type of federally backed loan, lenders are required to conduct a flood zone determination using the most current FEMA FIRM to determine if any part of the building is located in an SFHA. If the building is in an SFHA, the federal agency or lender is required by law to provide written notification to the borrower that flood insurance is mandatory as a condition of the loan. Even though a portion of real property on which a building is located may lie within an SFHA, the purchase and notification requirements do not apply unless the building itself, or some part of the building, is in the SFHA. However, lenders, on their own initiative, may require the purchase of flood insurance even if a building is located outside and SFHA. Up to 25% of all NFIP flood losses arise from outside SFHAs (B, C, and X Zones).

Under federal regulations, the required coverage must equal the amount of the loan (excluding appraised value of the land) or the maximum amount of insurance available from the NFIP, whichever is less. The maximum amount of coverage available for a single-family residence is \$250,000 and for non-residential (commercial) buildings is \$500,000. Federal agencies and regulators, including government-sponsored enterprises, such as Freddie Mac and Fannie Mae, may have stricter requirements.

Borough of Manville, NJ: Activity 360 Flood Protection Assistance Log

Date	Name	Address	Site Visit, Walk-In, Phone Call, Etc.	Questions/Problems	Advice/Solutions Offered
March 2017 – June 2017	Carl Marcincavage	901 Lincoln Avenue, Manville, NJ 08835	Walk in; site visit by Borough Administrator; phone calls and emails	Resident seeking assistance with flood insurance reduction.	Recommended he get a elevation certificate. Resident presented completed EC to Bor.Administrator (CFM). FEMA contacted and LOMA application prepared by CFM. LOMA successful – 06/08/2017. <input checked="" type="checkbox"/> Provided Financial Assistance Sheet
April 10, 2017	UNKNOWN	65 S. Reading Street	Walk In	Individual walked in asking for assistance with flood mapping for sale of deceased parents' home.	Borough Administrator provide FIRMETTE and explained to the individual how to read the map and which zone the property was located. <input type="checkbox"/> Provided Financial Assistance Sheet
July 14, 2017 – July 31, 2017	Melissa Cloonan	802 Boesel Avenue	Phone Call; emails	Resident requesting flood map & LOMA assistance; CASE NO: 17-02-1606A	Borough Administrator provided FIRMETTE and explained map results to homeowner. LOMA application prepared by Bor. Administrator. <input type="checkbox"/> Provided Financial Assistance Sheet
August 2, 2017	Terri Bojanowski	12 Griggs Place	Phone calls, emails	Resident called asking for assistance with flood insurance rates. She did not believe she was receiving Manville's 15% discount for CRS rating 7. Administrator contacted the FEMA Office of the Flood Insurance Advocate and filed a case for the resident. Insurance agent was also contacted. LOMA filed.	Resident learned through Office of th Advocate that they were receiving the pre-FIRM rate and that they were better off leaving their policy as-is. <input checked="" type="checkbox"/> Provided Financial Assistance Sheet

Date	Name	Address	Site Visit, Walk-In, Phone Call, Etc.	Questions/Problems	Advice/Solutions Offered
August 4, 2017	Addie – homeowner; David Singer – Architect	432 Huff Avenue	Emails and phone call with architect	Architect contacted Borough Administrator requesting assistance with crawlspace fill information.	Administrator sent architect FEMA's Technical bulletin 11 on Crawlspace Construction. Plans sent to Borough Engineer and Construction Code official for further assistance. <input checked="" type="checkbox"/> Provided Financial Assistance Sheet
Oct 4, 2017	Property Owner	1125 Gress Street	Phone Call	Resident requested a flood map for potential property sale	FIRMETTE prepared by Bor. Administrator for resident to pick up <input checked="" type="checkbox"/> Provided Financial Assistance Sheet
Oct 4, 2017	Millie	58 S. Weiss Street	Phone Call	Individual contacted CFM to ask for flood zone assistance of a home in Manville.	FIRMETTE prepared by Borough Administrator & emailed to individual. <input checked="" type="checkbox"/> Provided Financial Assistance Sheet

**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 430
Higher Regulatory
Standards**

**ASSOCIATION OF STATE
FLOODPLAIN MANAGERS, INC.
CERTIFICATION BOARD OF REGENTS**

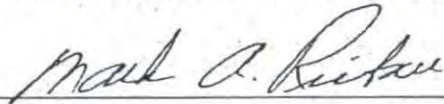
HEREBY CERTIFIES THAT PURSUANT TO THE PROVISIONS OF THE CHARTER FOR THE
CERTIFIED FLOODPLAIN MANAGER PROGRAM

Andrea L. Bierwirth, CFM

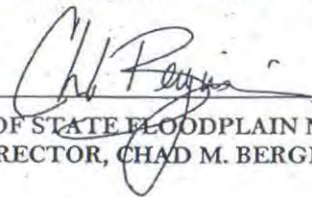
IS DULY REGISTERED AS AN

ASFPM CERTIFIED FLOODPLAIN MANAGER

IN TESTIMONY WHEREOF THIS CERTIFICATE HAS BEEN ISSUED BY THE AUTHORITY OF THE
CERTIFICATION BOARD OF REGENTS, CERTIFICATE NO. US-17-09732, ISSUED 4/21/2017. THIS
CERTIFICATE SHALL EXPIRE 7/31/2019, UNLESS RENEWED ACCORDING TO THE RULES OF THIS BOARD.



CERTIFICATION BOARD OF REGENTS
PRESIDENT, MARK RIEBAU, CFM



ASSOCIATION OF STATE FLOODPLAIN MANAGERS
EXECUTIVE DIRECTOR, CHAD M. BERGINNIS, CFM




**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**
NFIP Community No. 340437

**CRS Activity 440
Flood Data
Maintenance**

**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 501
Repetitive Loss**

Community Borough of Manville State NJ  CID 340437
 (6-digit NFIP Community Identification Number)

CC-RL The Repetitive Loss List

(See Section 501 in the *CRS Coordinator's Manual*).

We have reviewed the repetitive loss list dated: June 18, 20 15, and [check one]

Attached are updated Repetitive Loss Update Certifications, AW-501; or
Borough of Manville

There are no changes to FEMA's repetitive loss list.

As the current CRS Coordinator for Borough of Manville [community name], I have examined the repetitive loss data provided for each of our 232 [number] assigned repetitive loss properties. For each property in need of update, I have attached an AW-501 that reflects the current and accurate address, the correct National Flood Insurance Program (NFIP) community identification number, and all known mitigation actions with the primary source of funding noted. To the best of my knowledge and belief, any AW-501 not updated and submitted as part of this application has been checked and is not in need of update at this time.

Signature  (Community CRS Coordinator)

To facilitate verification, please provide the names of the CRS Coordinator and local repetitive loss contact person, if other than the CRS Coordinator

CRS Coordinator		Repetitive Loss Contact	
Name	Ms. Andrea L. Bierwirth, CFM	Mr. Nicholas W. Agnoli, P.E., P.P.	
Title	Borough Administrator	CRS Consultant	
Phone number	908-725-9478 x 103	201-424-5821	
Fax number	None	None	
Address	325 North Main Street Manville, NJ 08876	638A Main Road Towaco, NJ 07082	
E-mail address	abierwirth@manvillenj.org	agnoli@agnoligroup.com	

Comments:

Note that 5 RL properties were mitigated. Demo certification has been included from the State or Borough.
 232 - 5 = 227
 Please call with any questions.

CC-RL-1

Reminder: 2016 Submission

OMB No. 1660-0022
Expires: December 31, 2016

Community Borough of Manville

State NJ

CID 340437

(6-digit NFIP Community Identification Number)

CC-RL The Repetitive Loss List

(See Section 501 in the *CRS Coordinator's Manual*).

We have reviewed the repetitive loss list dated September 30, 2013, and [check one]

Attached are updated Repetitive Loss Update Certifications, AW-501; OR

There are no changes to FEMA's repetitive loss list.

As the current CRS Coordinator for Borough of Manville [community name], I have examined the repetitive loss data provided for each of our 297 [number] assigned repetitive loss properties. For each property in need of update, I have attached an AW-501 that reflects the current and accurate address, the correct National Flood Insurance Program (NFIP) community identification number, and all known mitigation actions with the primary source of funding noted. To the best of my knowledge and belief, any AW-501 not updated and submitted as part of this application has been checked and is not in need of update at this time.

Signature:  (Community CRS Coordinator)

To facilitate verification, please provide the names of the CRS Coordinator and local repetitive loss contact person, if other than the CRS Coordinator

	CRS Coordinator	Repetitive Loss Contact
Name	Ms. Andrea L. Bierwirth	Nicholas Agnoli, P.E.
Title	Borough Administrator	Consultant to Manville
Phone	908-725-9478 ext. 103	201-424-5821
Fax		
Address	325 North Main Street	10 Virginia Road
	Manville, NJ 08876	Montville, NJ 07045
E-mail	abierwirth@manvillenj.org	agnoli@agnoligroup.com

Comments:

The 297 un-mitigated properties were reviewed. 65 properties have to be removed due to demolition and ownership by the NJDEP Green Acres Program. They are permanent open space. That leaves 232 properties.

**Federal Emergency Management Agency
National Flood Insurance Program
NFIP REPETITIVE LOSS UPDATE WORKSHEET (AW-501)**

OMB #1660-0022 EXPIRES September 30, 2013

THE INFORMATION ON THE FORM IS BASED ON CLAIMS ON OR BEFORE 04/30/2015

REPETITIVE LOSS NUMBER: 0107614 \$

Internal Use Only	A	N/A	FRR
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NFIP Community Name: MANVILLE, BOROUGH OF

CID#: 340437

Local Property Identifier:

Current Property Address

Previous Property Address/Community ID#

300 N 2ND AVE
MANVILLE NJ 088351310

Last Claimant: BARBARA LANNER

Insured: YES Named Insured: RICHARD SKYDELL

Dates of Losses: Total Number of Losses for Property: 5

20110827	20100313	20070415	19990917	19961019			
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REQUESTED UPDATES

MARK ALL UPDATES BELOW THAT APPLY (IMPORTANT - SEE INSTRUCTIONS)

1. INFORMATION PROVIDED NOT SUFFICIENT TO IDENTIFY PROPERTY.
Choose this update if all attempts to locate the property fail. Please describe the steps you took to locate the property in the comments section below.

2. COSMETIC CHANGES REQUIRED TO THE ADDRESS:
Update the address shown above and/or add your local alternative property identifier such as a Tax Assessor #.

3. PROPERTY NOT IN OUR COMMUNITY OR JURISDICTION:
Choose this update if you have positively determined that the property shown is not located in your community. Please provide the correct NFIP community name and if known the NFIP Community ID Number. If available, please attach a map showing the property location.

ASSIGN TO NFIP COMMUNITY NAME: _____ NFIP COMMUNITY ID # _____

4. FLOOD PROTECTION PROVIDED.
Choose this update if some type of structural intervention has occurred to the building, property or the source of flooding that protects the building from future events similar to those that occurred in the past. The update must be supported by documentation such as an Elevation Certificate and the Mitigation action and funding information below must be provided.

Mitigation Action 1.) Source of Primary Mitigation Funding 3.) Secondary Source of Funding 3.)

5. NO BUILDING ON PROPERTY.
Choose this update only if the property in question can be positively identified as the site of the previously flooded building and documentation is available to support that an insurable building no longer exists at this site. The update must be supported by documentation such as a Demolition or Relocation Permit and the Mitigation action and funding information below must be provided.

Mitigation Action 2.) g Source of Primary Mitigation Funding 3.) w Secondary Source of Funding 3.)

See Appropriate Mitigation Action and Funding Codes

6. DUPLICATE LISTING WITH RL NUMBER: _____ COMBINE AS ONE LISTING.
Choose this update to identify two or more separate listings that are for the same building. List all other RL numbers that are duplicates to this property. Please indicate which address shown is the correct address to use.

7. HISTORIC BUILDING:
Choose this update if you know the building is or would be eligible to be listed on a State or National Historic Registry.

COMMENTS SECTION: _____

A signed RL Transmittal Sheet must accompany this form for approval of the update!



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

GREEN ACRES PROGRAM

MAIL CODE 501-01

P.O. Box 420

TRENTON, NEW JERSEY 08625-04020

TEL: 609-984-0500 FAX: 609-984-0608

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

July 27, 2017

VIA REGULAR MAIL

Andrea L. Bierwirth, Borough Administrator
Borough of Manville
325 N. Main Street
Manville, New Jersey 08835

RE: Demolition Completion of Work Order #43.
615 Boesel Avenue, Manville, Somerset County
668 Boesel Avenue, Manville, Somerset County
625 Huff Avenue, Manville, Somerset County
672 Huff Avenue, Manville, Somerset County
528 Lincoln Avenue, Manville, Somerset County
610 Lincoln Avenue, Manville, Somerset County
210 N. 2nd Avenue, Manville, Somerset County
211 N. 2nd Avenue, Manville, Somerset County
225 N. 2nd Avenue, Manville, Somerset County
235 N. 2nd Avenue, Manville, Somerset County
300 N. 2nd Avenue, Manville, Somerset County
359 N. 6th Avenue, Manville, Somerset County

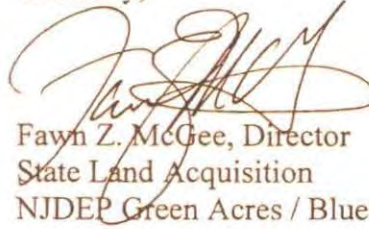
Dear Ms. Bierwirth:

This correspondence serves as follow-up to the Memorandum of Understanding (MOU) between the Borough of Manville (the "Municipality") and the State of New Jersey, Department of Environmental Protection (NJDEP), executed on November 25, 2014. Per the terms of the MOU, the Municipality's management obligations and custodial jurisdiction over the subject property, which is listed in Exhibit 1 of the MOU, officially commenced on the day of closing. Subsequently, the demolition of all structures on the subject property was administered by the State of New Jersey, Department of Treasury, Division of Property Management & Construction (DPMC) and was performed by a demolition design consultant and demolition contractor, both procured by the State.

I am writing to advise you that all structures have been removed and/or demolished, and the subject property has been graded and stabilized. Consequently, the property now is to remain as open space in perpetuity. The Municipality may begin to utilize the subject property for passive recreational purposes not inconsistent with the purposes of NJDEP's Sandy Blue Acres Buyout Program. However, any utilization plans the Municipality has for the subject property should be formalized and submitted in writing to NJDEP for approval prior to implementation.

Please do not hesitate to contact your Blue Acres Program Town Lead, Courtney Wald-Wittkop, at 609-633-2944 or Courtney.Wald-Wittkop@dep.nj.gov with any questions. The State appreciates the long-standing partnership it has forged with the Municipality to manage all acquired properties included in the MOU.

Sincerely,

A handwritten signature in black ink, appearing to read 'Fawn Z. McGee', is written over the typed name and title.

Fawn Z. McGee, Director
State Land Acquisition
NJDEP Green Acres / Blue Acres Program

Encl: NJDEP Buyout Program Community Land Use Guidance
Memorandum of Understanding
Deed

cc: William Byster, DPMC

**Federal Emergency Management Agency
National Flood Insurance Program
NFIP REPETITIVE LOSS UPDATE WORKSHEET (AW-501)**

OMB #1660-0022 EXPIRES September 30, 2013

THE INFORMATION ON THE FORM IS BASED ON CLAIMS ON OR BEFORE 01/31/2017

REPETITIVE LOSS NUMBER: 0103312 \$

Internal Use Only	A	N/A	FRR
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NFIP Community Name: MANVILLE, BOROUGH OF

CID#: 340437

Local Property Identifier:

Current Property Address

Previous Property Address/Community ID#

255 N 2ND AVE
MANVILLE NJ 088351307

Last Claimant: LOUIS CASTIGLIA & JODI TANEY

Insured: YES Named Insured: LOUIS CASTIGLIA & JODI TANEY

Dates of Losses: Total Number of Losses for Property: 4

20110828	20070415	19990917	19961018					
----------	----------	----------	----------	--	--	--	--	--

REQUESTED UPDATES

MARK ALL UPDATES BELOW THAT APPLY (IMPORTANT - SEE INSTRUCTIONS)

1. INFORMATION PROVIDED NOT SUFFICIENT TO IDENTIFY PROPERTY.
Choose this update if all attempts to locate the property fail. Please describe the steps you took to locate the property in the comments section below.

2. COSMETIC CHANGES REQUIRED TO THE ADDRESS:
Update the address shown above and/or add your local alternative property identifier such as a Tax Assessor #.

3. PROPERTY NOT IN OUR COMMUNITY OR JURISDICTION:
Choose this update if you have positively determined that the property shown is not located in your community. Please provide the correct NFIP community name and if known the NFIP Community ID Number. If available, please attach a map showing the property location.

ASSIGN TO NFIP COMMUNITY NAME: _____ NFIP COMMUNITY ID # _____

4. FLOOD PROTECTION PROVIDED.
Choose this update if some type of structural intervention has occurred to the building, property or the source of flooding that protects the building from future events similar to those that occurred in the past. The update must be supported by documentation such as an Elevation Certificate and the Mitigation action and funding information below must be provided.

Mitigation Action 1.) _____ Source of Primary Mitigation Funding 3.) _____ Secondary Source of Funding 3.) _____

5. NO BUILDING ON PROPERTY.
Choose this update only if the property in question can be positively identified as the site of the previously flooded building and documentation is available to support that an insurable building no longer exists at this site. The update must be supported by documentation such as a Demolition or Relocation Permit and the Mitigation action and funding information below must be provided.

Mitigation Action 2.) g Source of Primary Mitigation Funding 3.) u Secondary Source of Funding 3.) _____

See Appropriate Mitigation Action and Funding Codes

6. DUPLICATE LISTING WITH RL NUMBER: _____ COMBINE AS ONE LISTING.
Choose this update to identify two or more separate listings that are for the same building. List all other RL numbers that are duplicates to this property. Please indicate which address shown is the correct address to use.

7. HISTORIC BUILDING:
Choose this update if you know the building is or would be eligible to be listed on a State or National Historic Registry.

COMMENTS SECTION: _____

A signed RL Transmittal Sheet must accompany this form for approval of the update!



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 255 North 2nd Ave. Manville

2. Name of Owner in Fee: Township of Manville
 Tel. (908) 725-9478 e-mail nkagen@manvilenj.org
 Address 325 N. Main St Manville NJ

3. Ownership in Fee: Public Private

4. Principal Contractor: Caravella Demolition Tel. (973) 884-4900
 Address 40 Deprest Ave. East Amover, NJ 07936 e-mail briang@caravellademmo.com

License No. OR, if new home, Builder Reg. No. 13VH06775100 Exp. Date 3/31/2018

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 45-4648757 FAX: (973) 240-7412

5. Architect or Engineer: Van Cleef Contact: Stan Shrek
 Address Whippany, NJ e-mail sshrek@vcea.org
 Tel. (908) 849-6012 FAX: (908) 454-1397

6. Responsible Person in Charge once Work has Begun: Brian G. / Caravella Demos
 Tel. (973) 590-1526 FAX: (973) 240-7412

V. FEE SUMMARY (for office use only)

	Update	Update
1. Building	\$	
2. Electrical		
3. Plumbing		
4. Fire Protection		
5. Elevator Devices		
6. Subtotal		
7. Less 20% for State Plan Review	\$	
8. Subtotal	\$	
9. State Permit Surcharge Fee		
10. Subtotal	\$	
11. Cert. of Occupancy		
12. Other		
13. TOTAL	\$	

C/A
8/21/17

VI. BUILDING/SITE CHARACTERISTICS

(office use only)

1. Number of Stories _____

2. Height of Structure _____ ft.

3. Area — Largest Floor _____ sq. ft.

4. New Building Area _____ sq. ft.

5. Volume of New Structure _____ cu. ft.

6. Max. Live Load _____

7. Max. Occupancy Load _____

8. If Industrialized Building: State Approved _____ HUD _____

9. Total Land Area Disturbed _____ sq. ft.

10. Flood Hazard Zone _____

11. Base Flood Elevation _____ ft.

12. Wetlands yes _____ no _____

7/12/17

IIa. PROPOSED WORK

- Minor Work New Building Addition Demolition
- Repair Alteration Renovation Reconstruction
- Asbestos Abat. -Subch. 8 Lead Hazard Abatement Radon Remediation Annual Permit

IIb. SUBCODES

(Check all that apply)

- Building
- Electrical
- Plumbing
- Fire Protection
- Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
				7/14/17	gr			
TOTAL COST								

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

4. No. of dwelling units: Total Units Income-restricted

Gained, Sale	_____
Gained, Rental	_____
Lost, Sale	_____
Lost, Rental	_____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

1. Partial Releases
2. Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks
2. High Pressure Boilers
4. Refrigeration Systems
5. Cross-Connections/Backflow Preventers
6. Hazardous Uses/Places of Assembly
8. Smoke Control Systems in Open Wells
9. Underground Storage Tanks
10. Swimming Pools, Spas and Hot Tubs
12. Fire Alarm



**BUILDING SUBCODE
TECHNICAL SECTION**



Date Received

Control #

Date Issued

Permit #

7-17-17
17-280

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 34 Lot 40 Qualification Code _____

Work Site Location 255 North 2nd Ave. Manville

Owner in Fee: Borough of Manville

Tel. (908) 725-4478 e-mail nkagan@manvillenj.org

Address 325 N. Main St. Manville NJ

Contractor: Caravella Demolition Inc. Tel. (973) 884-4900

Address 40 DeForest Ave. East Hanover, NJ e-mail briange@caravelladem.com

Contractor License No. or Builder Registration No. 13VIH06775100 Exp. Date 3/31/2018

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 45-4646755 FAX: (973) 240-7412

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here:

John Caravella

Print name here:

John Caravella

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Demolition of House.

JOB SUMMARY (Office Use Only)

PLAN REVIEW		Date	Initial	INSPECTIONS		Dates (Month/Day)		
[<input checked="" type="checkbox"/> No Plans Required		7/14/17	<i>JCS</i>	Type:	Failure	Failure	Approval	Initial
[] All				Footings	_____	_____	_____	_____
[] Footings/Foundations				Footing Bonding	_____	_____	_____	_____
[] Structural/Framework				Foundation	_____	_____	_____	_____
[] Exterior				Slab	_____	_____	_____	_____
[] Interior				Frame	_____	_____	_____	_____
				Truss Sys./Bracing	_____	_____	_____	_____
Joint Plan Review Required:				Barrier-Free	_____	_____	_____	_____
[] Elec. [] Plumb. [] Fire [] Elevator				Insulation	_____	_____	_____	_____
SUBCODE APPROVAL for PERMIT				Finishes -Base Layer	_____	_____	_____	_____
Date: _____				Finishes -Final	_____	_____	_____	_____
Approved by: _____				Energy	_____	_____	_____	_____
SUBCODE APPROVAL for CERTIFICATE				Mechanical	_____	_____	_____	_____
[] CO [] CCO [] CA				TCO	_____	_____	_____	_____
Date: <u>8/21/17</u>				Other	_____	_____	_____	_____
Approved by: <i>[Signature]</i>				Final	_____	_____	_____	_____
				Barrier-Free	_____	_____	_____	_____

TYPE OF WORK:

- [] New Building
- [] Addition
- [] Rehabilitation
- [] Roofing
- [] Siding
- [] Fence _____ Height (exceeds 6')
- [] Sign _____ Sq. Ft.
- [] Pool
- [] Retaining Wall _____ Sq. Ft.
- [] Asbestos Abatement Subchapter 8
- [] Lead Haz. Abatement NJAC 5:17
- [] Radon Remediation
- [] Other _____
- [Demolition

FEE (Office Use Only)

\$ _____

500.00

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____ Constr. Class Present _____ Proposed _____

No. of Stories _____ If Industrialized Building:

Height of Structure _____ ft. State Approved _____ HUD _____

Area — Largest Floor _____ sq. ft. Est. Cost of Bldg. Work:

New Bldg. Area/All Floors _____ sq. ft. 1. New Bldg. \$ _____

Volume of New Structure _____ cu. ft. 2. Rehabilitation \$ _____

Max. Live Load _____ 3. Total (1+ 2) \$ _____

Max. Occupancy Load _____

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ 0

TOTAL FEE \$ 0

**Federal Emergency Management Agency
National Flood Insurance Program
NFIP REPETITIVE LOSS UPDATE WORKSHEET (AW-501)**

OMB #1660-0022 EXPIRES September 30, 2013

THE INFORMATION ON THE FORM IS BASED ON CLAIMS ON OR BEFORE 01/31/2017

REPETITIVE LOSS NUMBER: 0103685

Internal Use Only	A	N/A	FRR
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NFIP Community Name: MANVILLE, BOROUGH OF

CID#: 340437

Local Property Identifier:

Current Property Address

Previous Property Address/Community ID#

645 HUFF AVE
MANVILLE NJ 088352475

5 HUFF AVE # 64
MANVILLE NJ 08835

Last Claimant: PAUL B DERRICK

340437 MANVILLE, BOROUGH OF

Insured: NO

Named Insured:

Dates of Losses:

Total Number of Losses for Property: 5

20110828	20100314	20070416	19990916	19961019			
----------	----------	----------	----------	----------	--	--	--

REQUESTED UPDATES

MARK ALL UPDATES BELOW THAT APPLY (IMPORTANT - SEE INSTRUCTIONS)

1. INFORMATION PROVIDED NOT SUFFICIENT TO IDENTIFY PROPERTY.
Choose this update if all attempts to locate the property fail. Please describe the steps you took to locate the property in the comments section below.

2. COSMETIC CHANGES REQUIRED TO THE ADDRESS:
Update the address shown above and/or add your local alternative property identifier such as a Tax Assessor #.

3. PROPERTY NOT IN OUR COMMUNITY OR JURISDICTION:
Choose this update if you have positively determined that the property shown is not located in your community. Please provide the correct NFIP community name and if known the NFIP Community ID Number. If available, please attach a map showing the property location.

ASSIGN TO NFIP COMMUNITY NAME: _____ NFIP COMMUNITY ID # _____

4. FLOOD PROTECTION PROVIDED.
Choose this update if some type of structural intervention has occurred to the building, property or the source of flooding that protects the building from future events similar to those that occurred in the past. The update must be supported by documentation such as an Elevation Certificate and the Mitigation action and funding information below must be provided.

Mitigation Action 1.) _____ Source of Primary Mitigation Funding 3.) _____ Secondary Source of Funding 3.) _____

5. NO BUILDING ON PROPERTY.
Choose this update only if the property in question can be positively identified as the site of the previously flooded building and documentation is available to support that an insurable building no longer exists at this site. The update must be supported by documentation such as a Demolition or Relocation Permit and the Mitigation action and funding information below must be provided.

Mitigation Action 2.) g Source of Primary Mitigation Funding 3.) u Secondary Source of Funding 3.) _____

See Appropriate Mitigation Action and Funding Codes

6. DUPLICATE LISTING WITH RL NUMBER: _____ COMBINE AS ONE LISTING.
Choose this update to identify two or more separate listings that are for the same building. List all other RL numbers that are duplicates to this property. Please indicate which address shown is the correct address to use.

7. HISTORIC BUILDING:
Choose this update if you know the building is or would be eligible to be listed on a State or National Historic Registry.

COMMENTS SECTION: _____

A signed RL Transmittal Sheet must accompany this form for approval of the update!



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 645 Huff Ave. Manville
 2. Name of Owner in Fee: Borough of Manville
 Tel. (908) 725-9478 e-mail nkagen@manvilenj.org
 Address 325 N. Main St. Manville
street municipality zip code

3. Ownership in Fee: Public Private

4. Principal Contractor: Caravella Demolition Tel. (973) 884-4900
 Address 40 Depew Ave. East Hanover, NJ e-mail briang@caravellademol.com

License No. OR, if new home, Builder Reg. No. 13VH6775100 Exp. Date 3/31/2018

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 45-4646757 FAX: (973) 240-7412

5. Architect or Engineer: Van Cleeef Contact Stan Shrek
 Address Philipsburg, NJ e-mail sshrek@vcea.org
 Tel. (908) 649-6012 FAX: (908) 454-1397

6. Responsible Person in Charge once Work has Begun Brian G. Caravella Demos
 Tel. (973) 590-1526 FAX: (973) 240-7412

V. FEE SUMMARY (for office use only)

	Update	Update
1. Building	\$	
2. Electrical		
3. Plumbing		
4. Fire Protection		
5. Elevator Devices		
6. Subtotal		
7. Less 20% for State Plan Review	\$	
8. Subtotal	\$	
9. State Permit Surcharge Fee		
10. Subtotal	\$	
11. Cert. of Occupancy		
12. Other		
13. TOTAL	\$	

CIA
8/2/11

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories _____

2. Height of Structure _____

3. Area — Largest Floor _____ sq. ft.

4. New Building Area _____ sq. ft.

5. Volume of New Structure _____ cu. ft.

6. Max. Live Load _____

7. Max. Occupancy Load _____

8. If Industrialized Building: State Approved _____ HUD _____

9. Total Land Area Disturbed _____ sq. ft.

10. Flood Hazard Zone _____

11. Base Flood Elevation _____ ft.

12. Wetlands yes _____ no _____

7/12/17

IIa. PROPOSED WORK

Minor Work New Building Addition Demolition

Repair Alteration Renovation Reconstruction

Asbestos Abat. -Subch. 8 Lead Hazard Abatement Radon Remediation Annual Permit

IIb. SUBCODES
(Check all that apply)

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
<input type="checkbox"/> Building					7/14/17	grr			
<input type="checkbox"/> Electrical									
<input type="checkbox"/> Plumbing									
<input type="checkbox"/> Fire Protection									
<input type="checkbox"/> Elevator									
TOTAL COST									

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

4. No. of dwelling units: Total Units Income-restricted

Gained, Sale		
Gained, Rental		
Lost, Sale		
Lost, Rental		

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

DO YOU WANT:

1. Partial Releases

2. Prototype Processing

3. Elevators/Escalators/Lifts/Dumbwaiters/Moving Walks

4. Refrigeration Systems

5. High Pressure Boilers

6. Cross-Connections/Backflow Preventers

7. Hazardous Uses/Places of Assembly

8. Smoke Control Systems in Open Wells

9. Fire Alarm

10. Swimming Pools, Spas and Hot Tubs

11. Fire Alarm



**BUILDING SUBCODE
TECHNICAL SECTION**



Date Received
Control # 7-17-17
Date Issued
Permit # 17-282

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 176 Lot 31 Qualification Code _____
 Work Site Location 645 Huff Ave. Manville
 Owner in Fee: Borough of Manville
 Tel. (908) 725-9478 e-mail nkaden@manvillenj.org
 Address 325 N. Main St. Manville
 Contractor: Caravella Demolition Inc. Tel. () _____
 Address 40 DeForest Ave East Hanover, NJ 07936 .com e-mail briang@caravellademol.com
 Contractor License No. or Builder Registration No. 13VH06775100 Exp. Date 3/31/2018
 Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
 Federal Emp. ID No. 45-4646757 FAX: (973) 240-7412

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: John Caravella

Print name here: John Caravella

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Demolition of House.

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)			
			Type:	Failure	Failure	Approval	Initial
<input checked="" type="checkbox"/> No Plans Required	<u>7/14/17</u>	<u>JOS</u>	Footing				
<input type="checkbox"/> All			Footing Bonding				
<input type="checkbox"/> Footings/Foundations			Foundation				
<input type="checkbox"/> Structural/Framework			Slab				
<input type="checkbox"/> Exterior			Frame				
<input type="checkbox"/> Interior			Truss Sys./Bracing				
Joint Plan Review Required:			Barrier-Free				
<input type="checkbox"/> Elec. <input type="checkbox"/> Plumb. <input type="checkbox"/> Fire <input type="checkbox"/> Elevator			Insulation				
SUBCODE APPROVAL for PERMIT			Finishes -Base Layer				
Date:			Finishes -Final				
Approved by:			Energy				
SUBCODE APPROVAL for CERTIFICATE			Mechanical				
<input type="checkbox"/> CO <input type="checkbox"/> CCO <input checked="" type="checkbox"/> CA			TCO				
Date:	<u>8/21/17</u>		Other				
Approved by:	<u>John Caravella</u>		Final				<u>8/21/17 JOS</u>
			Barrier-Free				

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____ Constr. Class Present _____ Proposed _____
 No. of Stories _____ If Industrialized Building:
 Height of Structure _____ ft. State Approved _____ HUD _____
 Area — Largest Floor _____ sq. ft. Est. Cost of Bldg. Work:
 New Bldg. Area/All Floors _____ sq. ft. 1. New Bldg. \$ _____
 Volume of New Structure _____ cu. ft. 2. Rehabilitation \$ _____
 Max. Live Load _____ 3. Total (1+ 2) \$ _____
 Max. Occupancy Load _____

TYPE OF WORK:

- New Building
- Addition
- Rehabilitation
- Roofing
- Siding
- Fence _____ Height (exceeds 6')
- Sign _____ Sq. Ft.
- Pool
- Retaining Wall _____ Sq. Ft.
- Asbestos Abatement Subchapter 8
- Lead Haz. Abatement NJAC 5:17
- Radon Remediation
- Other _____
- Demolition

FEE (Office Use Only)

\$ _____

500.00

Administrative Surcharge \$ _____
 Minimum Fee \$ _____
 State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____

**Federal Emergency Management Agency
National Flood Insurance Program
NFIP REPETITIVE LOSS UPDATE WORKSHEET (AW-501)**

OMB #1660-0022 EXPIRES September 30, 2013

THE INFORMATION ON THE FORM IS BASED ON CLAIMS ON OR BEFORE 01/31/2017

REPETITIVE LOSS NUMBER: 0105056

Internal Use Only	A	N/A	FRR
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NFIP Community Name: MANVILLE, BOROUGH OF

CID#: 340437

Local Property Identifier: BLK 177 LOT 49

Current Property Address ----- 627 BOESEL AVE MANVILLE NJ 088352414	Previous Property Address/Community ID# -----
--	--

Last Claimant: DAVID SIEGREST

Insured: NO Named Insured:

Dates of Losses: Total Number of Losses for Property: 5

20110828	20100313	20070415	19990917	19961019				
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REQUESTED UPDATES

MARK ALL UPDATES BELOW THAT APPLY (IMPORTANT - SEE INSTRUCTIONS)

- INFORMATION PROVIDED NOT SUFFICIENT TO IDENTIFY PROPERTY.**
Choose this update if all attempts to locate the property fail. Please describe the steps you took to locate the property in the comments section below.
- COSMETIC CHANGES REQUIRED TO THE ADDRESS:** _____
Update the address shown above and/or add your local alternative property identifier such as a Tax Assessor #.
- PROPERTY NOT IN OUR COMMUNITY OR JURISDICTION:**
Choose this update if you have positively determined that the property shown is not located in your community. Please provide the correct NFIP community name and if known the NFIP Community ID Number. If available, please attach a map showing the property location.
ASSIGN TO NFIP COMMUNITY NAME: _____ NFIP COMMUNITY ID # _____
- FLOOD PROTECTION PROVIDED.**
Choose this update if some type of structural intervention has occurred to the building, property or the source of flooding that protects the building from future events similar to those that occurred in the past. The update must be supported by documentation such as an Elevation Certificate and the Mitigation action and funding information below must be provided.
Mitigation Action 1.) Source of Primary Mitigation Funding 3.) Secondary Source of Funding 3.)
- NO BUILDING ON PROPERTY.**
Choose this update only if the property in question can be positively identified as the site of the previously flooded building and documentation is available to support that an insurable building no longer exists at this site. The update must be supported by documentation such as a Demolition or Relocation Permit and the Mitigation action and funding information below must be provided.
Mitigation Action 2.) g Source of Primary Mitigation Funding 3.) u Secondary Source of Funding 3.)
See Appropriate Mitigation Action and Funding Codes
- DUPLICATE LISTING WITH RL NUMBER:** _____ **COMBINE AS ONE LISTING.**
Choose this update to identify two or more separate listings that are for the same building. List all other RL numbers that are duplicates to this property. Please indicate which address shown is the correct address to use.
- HISTORIC BUILDING:**
Choose this update if you know the building is or would be eligible to be listed on a State or National Historic Registry.

COMMENTS SECTION: _____

A signed RL Transmittal Sheet must accompany this form for approval of the update!

BLOC

177

LOT

49

QUALIFICATION CODE

ADDRESS (SITE)

627 Boesel AVE

PERMIT NO.

17-2



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 627 Boesel AVE Manville, NJ

2. Name of Owner in Fee: Borough of Manville
 Tel. (908) 725-9478 e-mail nkaden@manvillenj.org
 Address 325 No. Main St. Manville, NJ
street municipality zip code

3. Ownership in Fee: Public Private

4. Principal Contractor: Caravella Demolition Inc. Tel. (973) 854-4900
 Address 40 Depest Ave East Hanover, NJ e-mail brianj@caravellademol.com

License No. OR, if new home, Builder Reg. No. 13VH06775100 Exp. Date 3/31/2018

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 45-4646757 FAX: (973) 240-7412

5. Architect or Engineer Stan Schrek VANcleef Contact Stan Schrek
 Address 755 Memorial Parkway, Suite 110 e-mail sschrek@vca.org
 Tel. (908) 849-6012 FAX: (908) 454-1397

6. Responsible Person in Charge once Work has Begun Brian Oksias / Project Manager
 Tel. (973) 590-1526 FAX: (973) 240-7412

V. FEE SUMMARY (for office use only)

	Update	Update
1. Building	\$	
2. Electrical		
3. Plumbing		
4. Fire Protection		
5. Elevator Devices		
6. Subtotal		
7. Less 20% for State Plan Review	\$	
8. Subtotal	\$	
9. State Permit Surcharge Fee		
10. Subtotal	\$	
11. Cert. of Occupancy		
12. Other		
13. TOTAL	\$	

CLA
8/2/11

VI. BUILDING/SITE CHARACTERISTICS (office use only)

1. Number of Stories	_____
2. Height of Structure	_____ ft.
3. Area — Largest Floor	_____ sq. ft.
4. New Building Area	_____ sq. ft.
5. Volume of New Structure	_____ cu. ft.
6. Max. Live Load	_____
7. Max. Occupancy Load	_____
8. If Industrialized Building: State Approved	_____ HUD _____
9. Total Land Area Disturbed	_____ sq. ft.
10. Flood Hazard Zone	_____
11. Base Flood Elevation	_____ ft.
12. Wetlands	yes _____ no _____

11/12

IIa. PROPOSED WORK

Minor Work New Building Addition Demolition

Repair Alteration Renovation Reconstruction

Asbestos Abat. -Subch. 8 Lead Hazard Abatement Radon Remediation Annual Permit

IIb. SUBCODES (Check all that apply)

Building Electrical Plumbing Fire Protection Elevator

Est. Cost	FOR OFFICE USE ONLY (Optional)							
	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates		Re-viewer
						Approval	Rejection	
				7/14/17	JOS.			
TOTAL COST								

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

4. No. of dwelling units: Total Units Income-restricted

Gained, Sale	_____
Gained, Rental	_____
Lost, Sale	_____
Lost, Rental	_____

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____

2. Use Group, Proposed: _____

3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

1. Partial Releases

2. Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. <input type="checkbox"/> Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks	4. <input type="checkbox"/> Refrigeration Systems	8. <input type="checkbox"/> Smoke Control Systems in Open Wells	12. <input type="checkbox"/> Fire Alarm
2. <input type="checkbox"/> High Pressure Boilers	5. <input type="checkbox"/> Cross-Connections/Backflow Preventers	9. <input type="checkbox"/> Underground Storage Tanks	
3. <input type="checkbox"/> Hazardous Uses/Places of Assembly	6. <input type="checkbox"/> Swimming Pools, Spas and Hot Tubs		



**BUILDING SUBCODE
TECHNICAL SECTION**



Date Received 7-1-2017
Control # _____
Date Issued 17-283
Permit # _____

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 177 Lot 49 Qualification Code _____
Work Site Location 627 Crest Ave
Manorville, NJ
Owner in Fee: Borough of Manorville
Tel. (908) 725-9478 e-mail nkagen@manorvillenj.org
Address 325 N. Main St. Manorville
Contractor: Caravello Demolition Inc Tel. (973) 854-4966
Address 410 Forrest Ave e-mail _____
East Hanover, NJ 07736
Contractor License No. or Builder Registration No. 13V1406775100 Exp. Date 3/31/2018
Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
Federal Emp. ID No. 45-4646757 FAX: (973) 246-7412

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: John Caravello

Print name here: John Caravello

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Demolition of House

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)	Failure	Failure	Approval	Initial
<input checked="" type="checkbox"/> No Plans Required	<u>7/14/17</u>	<u>Jos</u>	Type:					
<input type="checkbox"/> All			Footings					
<input type="checkbox"/> Footings/Foundations			Footing Bonding					
<input type="checkbox"/> Structural/Framework			Foundation					
<input type="checkbox"/> Exterior			Slab					
<input type="checkbox"/> Interior			Frame					
			Truss Sys./Bracing					
Joint Plan Review Required:			Barrier-Free					
<input type="checkbox"/> Elec. <input type="checkbox"/> Plumb. <input type="checkbox"/> Fire <input type="checkbox"/> Elevator			Insulation					
SUBCODE APPROVAL for PERMIT			Finishes -Base Layer					
Date:			Finishes -Final					
Approved by:			Energy					
SUBCODE APPROVAL for CERTIFICATE			Mechanical					
<input type="checkbox"/> CO <input type="checkbox"/> CCO <input checked="" type="checkbox"/> CA			TCO					
Date:	<u>8/21/17</u>		Other					
Approved by:	<u>John Caravello</u>		Final	<u>8/21/17</u>			<u>Jos</u>	
			Barrier-Free					

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____ Constr. Class Present _____ Proposed _____
No. of Stories _____ If Industrialized Building: _____
Height of Structure _____ ft. State Approved _____ HUD _____
Area — Largest Floor _____ sq. ft. Est. Cost of Bldg. Work:
New Bldg. Area/All Floors _____ sq. ft. 1. New Bldg. \$ _____
Volume of New Structure _____ cu. ft. 2. Rehabilitation \$ _____
Max. Live Load _____ 3. Total (1+ 2) \$ _____
Max. Occupancy Load _____

TYPE OF WORK:

- New Building
- Addition
- Rehabilitation
- Roofing
- Siding
- Fence _____ Height (exceeds 6')
- Sign _____ Sq. Ft.
- Pool
- Retaining Wall _____ Sq. Ft.
- Asbestos Abatement Subchapter 8
- Lead Haz. Abatement NJAC 5:17
- Radon Remediation
- Other _____
- Demolition

FEE (Office Use Only)

\$ _____

500.00

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ 0
TOTAL FEE \$ 0

**Federal Emergency Management Agency
National Flood Insurance Program
NFIP REPETITIVE LOSS UPDATE WORKSHEET (AW-501)**

OMB #1660-0022 EXPIRES September 30, 2013

THE INFORMATION ON THE FORM IS BASED ON CLAIMS ON OR BEFORE 01/31/2017

REPETITIVE LOSS NUMBER: 0108300

Internal Use Only	A	N/A	FRR
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NFIP Community Name: MANVILLE, BOROUGH OF

CID#: 340437

Local Property Identifier:

Current Property Address

Previous Property Address/Community ID#

201 KNOPF ST
MANVILLE NJ 088351339

Last Claimant: CATHERINE SEIWELL

Insured: NO Named Insured:

Dates of Losses:

Total Number of Losses for Property: 6

20140501	20110828	20100314	20070416	19990916	19961019			
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REQUESTED UPDATES

MARK ALL UPDATES BELOW THAT APPLY (IMPORTANT - SEE INSTRUCTIONS)

- INFORMATION PROVIDED NOT SUFFICIENT TO IDENTIFY PROPERTY.**
Choose this update if all attempts to locate the property fail. Please describe the steps you took to locate the property in the comments section below.
- COSMETIC CHANGES REQUIRED TO THE ADDRESS:**
Update the address shown above and/or add your local alternative property identifier such as a Tax Assessor #.
- PROPERTY NOT IN OUR COMMUNITY OR JURISDICTION:**
Choose this update if you have positively determined that the property shown is not located in your community. Please provide the correct NFIP community name and if known the NFIP Community ID Number. If available, please attach a map showing the property location.
ASSIGN TO NFIP COMMUNITY NAME: _____ NFIP COMMUNITY ID # _____
- FLOOD PROTECTION PROVIDED.**
Choose this update if some type of structural intervention has occurred to the building, property or the source of flooding that protects the building from future events similar to those that occurred in the past. The update must be supported by documentation such as an Elevation Certificate and the Mitigation action and funding information below must be provided.
Mitigation Action 1.) _____ Source of Primary Mitigation Funding 3.) _____ Secondary Source of Funding 3.) _____
- NO BUILDING ON PROPERTY.**
Choose this update only if the property in question can be positively identified as the site of the previously flooded building and documentation is available to support that an insurable building no longer exists at this site. The update must be supported by documentation such as a Demolition or Relocation Permit and the Mitigation action and funding information below must be provided.
Mitigation Action 2.) g Source of Primary Mitigation Funding 3.) u Secondary Source of Funding 3.) _____
See Appropriate Mitigation Action and Funding Codes
- DUPLICATE LISTING WITH RL NUMBER:** _____ **COMBINE AS ONE LISTING.**
Choose this update to identify two or more separate listings that are for the same building. List all other RL numbers that are duplicates to this property. Please indicate which address shown is the correct address to use.
- HISTORIC BUILDING:**
Choose this update if you know the building is or would be eligible to be listed on a State or National Historic Registry.

COMMENTS SECTION: _____

A signed RL Transmittal Sheet must accompany this form for approval of the update!



CONSTRUCTION PERMIT APPLICATION

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 201 Knopf St Manville

2. Name of Owner in Fee: Borough of Manville
 Tel. (908) 725-9470 e-mail nkagen@manville.nj.org
 Address 325 N. Main St. Manville, NJ
street municipality zip code

3. Ownership in Fee: Public Private _____

4. Principal Contractor: Caravella Demolition Tel. (_____) _____
 Address 40 DeForest Ave East Hanover, NJ 07936 e-mail briang@caravelldemo.com
 License No. OR, if new home, Builder Reg. No. 13VH06775100 Exp. Date 3/31/2018
 Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
 Federal Emp. ID No. 45-4646757 FAX: (973) 240-7412

5. Architect or Engineer: Van Cleaf Contact: Stan Schrek
 Address 255 Memorial Parkway e-mail sshrek@VCEA.org
 Tel. (908) 849-6012 FAX: (908) 454-1397

6. Responsible Person in Charge once Work has Begun Brian Blasias/Caravella
 Tel. (973) 590-1526 FAX: (973) 240-7412

V. FEE SUMMARY (for office use only)

	Update	Update
1. Building	\$	
2. Electrical		
3. Plumbing		
4. Fire Protection		
5. Elevator Devices		
6. Subtotal		
7. Less 20% for State Plan Review	\$	
8. Subtotal	\$	
9. State Permit Surcharge Fee		
10. Subtotal	\$	
11. Cert. of Occupancy		
12. Other		
13. TOTAL	\$	

CIA
8/2/17

VI. BUILDING/SITE CHARACTERISTICS (for office use only)

- Number of Stories _____
- Height of Structure _____ ft.
- Area - Largest Floor _____ sq. ft.
- New Building Area _____ sq. ft.
- Volume of New Structure _____ cu. ft.
- Max. Live Load _____
- Max. Occupancy Load _____
- If Industrialized Building: State Approved _____ HUD _____
- Total Land Area Disturbed _____ sq. ft.
- Flood Hazard Zone _____
- Base Flood Elevation _____ ft.
- Wetlands yes _____ no _____

7/17/17

IIa. PROPOSED WORK

Minor Work New Building Addition Demolition
 Repair Alteration Renovation Reconstruction
 Asbestos Abat. -Subch. B Lead Hazard Abatement Radon Remediation Annual Permit

IIb. SUBCODES (Check all that apply)

	Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
<input type="checkbox"/> Building					7/14/17	Jos.			
<input type="checkbox"/> Electrical									
<input type="checkbox"/> Plumbing									
<input type="checkbox"/> Fire Protection									
<input type="checkbox"/> Elevator									
TOTAL COST									

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

- State Specific Use: _____
- Use Group, Proposed: _____
- Change in Use Group, Indicate Present: _____
- No. of dwelling units: Total Units Income-restricted
 Gained, Sale _____
 Gained, Rental _____
 Lost, Sale _____
 Lost, Rental _____

B. NON-RESIDENTIAL (primary use)

- State Specific Use: _____
- Use Group, Proposed: _____
- Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

- Partial Releases
- Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

- Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks
- High Pressure Boilers
- Refrigeration Systems
- Cross-Connections/Backflow Preventers
- Hazardous Uses/Places of Assembly
- Smoke Control Systems in Open Wells
- Undergroud Storage Tanks
- Swimming Pools, Spas and Hot Tubs
- Fire Alarm



BUILDING SUBCODE TECHNICAL SECTION



Date Received Control # 7-17-17
Date Issued Permit # 17-281

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 34 Lot 36-39 Qualification Code
Work Site Location 201 Knopf St. Manville
Owner in Fee: Borough of Manville
Tel. (908) 725-9478 e-mail nkagen@manvillenj.org
Address 325 N. Main St. Manville
Contractor: Caravella Demolition Inc. Tel. (973) 884-4900
Address 40 Deprest Ave. East Hanover, NJ 07936
Contractor License No. or Builder Registration No. 13VH06775100 Exp. Date 3/31/2018
Home Improvement Contractor Registration No. or Exemption Reason (if applicable):
Federal Emp. ID No. 45-4646757 FAX: (973) 240-7412

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: John Caravella

Print name here: John Caravella

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Demolition of House

Table with columns: PLAN REVIEW, Date, Initial, INSPECTIONS, Dates (Month/Day). Includes rows for No Plans Required, All, Footings/Foundations, Structural/Framework, Exterior, Interior, Joint Plan Review Required, SUBCODE APPROVAL for PERMIT, and SUBCODE APPROVAL for CERTIFICATE.

B. BUILDING CHARACTERISTICS

Use Group Present Proposed Constr. Class Present Proposed
No. of Stories
Height of Structure ft.
Area — Largest Floor sq. ft.
New Bldg. Area/All Floors sq. ft.
Volume of New Structure cu. ft.
Max. Live Load
Max. Occupancy Load

TYPE OF WORK:

- [] New Building
[] Addition
[] Rehabilitation
[] Roofing
[] Siding
[] Fence Height (exceeds 6')
[] Sign Sq. Ft.
[] Pool
[] Retaining Wall Sq. Ft.
[] Asbestos Abatement Subchapter 8
[] Lead Haz. Abatement NJAC 5:17
[] Radon Remediation
[] Other
[X] Demolition

FEE (Office Use Only)

\$
500.00

Administrative Surcharge \$
Minimum Fee \$
State Permit Surcharge Fee \$
TOTAL FEE \$

Dear Resident:

You have received this letter because your property is **near an area with Repetitive Loss properties** (Royce Brook Repetitive Loss Area). The Repetitive Loss properties have been flooded several times in the past few years and have made multiple successful flood insurance claims. The area (see attached map) is prone to flooding due to the proximity of the Royce Brook and/or its tributaries and to the Millstone River. **This does not mean that your property is a Repetitive Loss property as defined by FEMA.**

The Borough of Manville is concerned about repetitive flooding and has an active program to help you protect yourself and your property from future flooding. We are diligently maintaining the existing stormwater system, improving the capacity of the system where possible, pursuing state and Federal assistance, and working with the Army Corps of Engineers toward a large-scale solution.

In the interim, here are some things you can do:

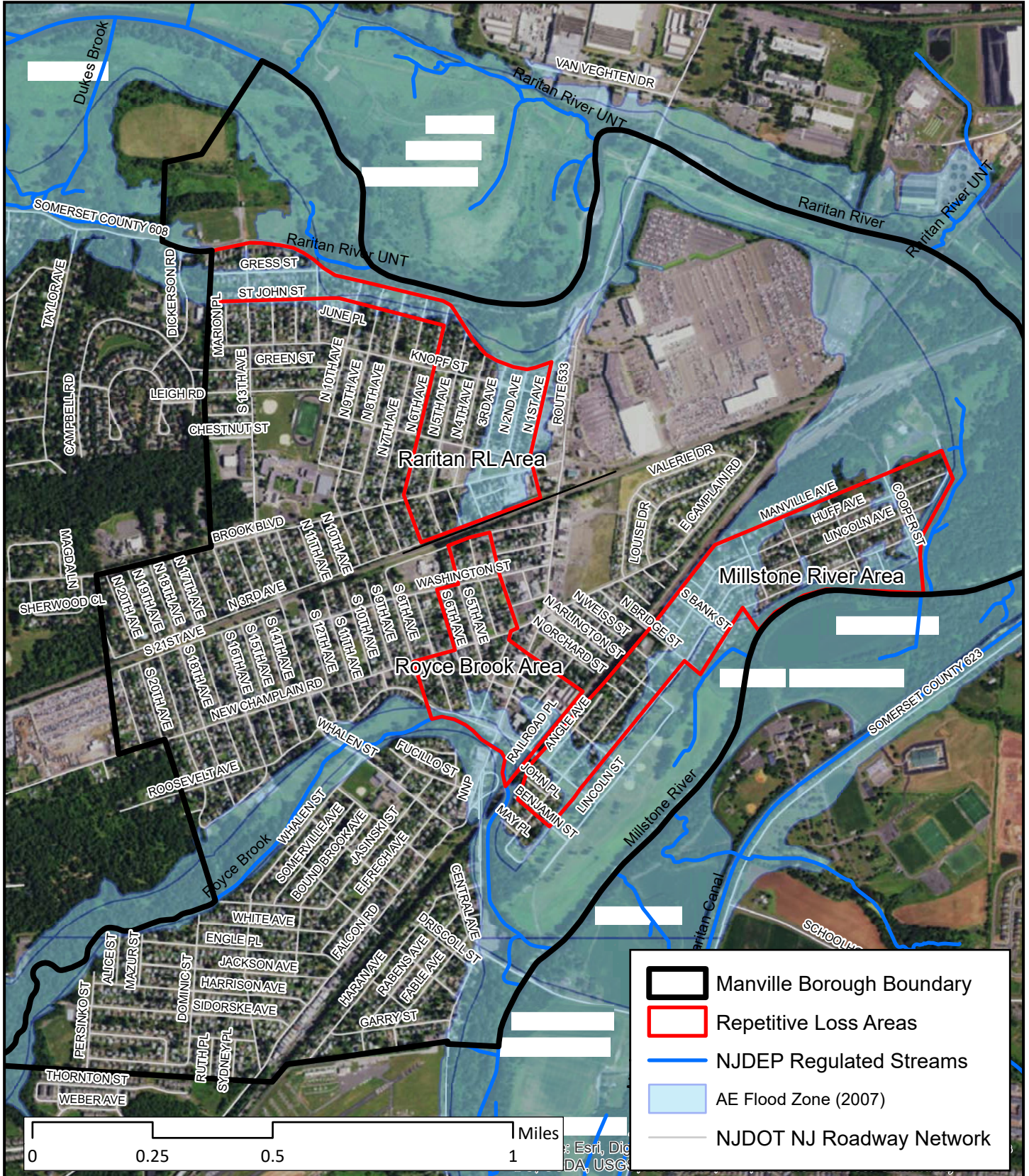
1. Check with the Construction Official, John Tamburini, at the Building Department (908-725-9478 ext. 117) on the extent of past flooding in your area. The Building Department can tell you about the causes of repetitive flooding, what the Borough is doing about it, and what could be an appropriate flood protection level. Building Department staff can visit your property to discuss flood protection alternatives.
2. Prepare for flooding by doing the following:
 - a. Know how to shut off the electricity and gas to your house when a flood comes.
 - b. Make a household inventory, especially of basement contents.
 - c. Put insurance policies, valuable papers, medicine, etc. in a safe place.
 - d. Collect and put cleaning supplies, camera, waterproof boots, etc. in a handy place.
 - e. Develop a disaster response plan. A Family Emergency Plan may be prepared online at <http://www.ready.gov>.
 - f. Get a copy of *Repairing Your Flooded Home*. We have copies at the Emanuel Einstein Memorial Library (for hours: 973-835-0482) and a copy may be downloaded from <http://www.redcross.org>.
3. Consider some permanent flood protection measures.
 - a. Mark your fuse or breaker box to show the circuits to the floodable areas. Turning off the power to the basement can reduce property damage and save lives.
 - b. Consider elevating your house above flood levels.

- c. Check your building for water entry points. These can be basement windows, the basement stairwell, doors, and dryer vents. These can be protected with low walls or temporary shields.
 - d. Install a floor drain plug, standpipe, overhead sewer, or sewer backup valve to prevent sewer backup flooding.
 - e. More information can be found in *Homeowner's Guide to Retrofitting: Six Ways to Protect Your House from Flooding*. Copies are in the Emanuel Einstein Memorial Library or at <http://www.fema.gov/media-library/assets/documents/480>
 - f. Note that some flood protection measures may need a building permit and others may not be safe for your type of building, so be sure to talk to the Building Department.
4. Talk to the Building Department for information on financial assistance.
 5. Get a flood insurance policy.
 - a. Homeowner's insurance policies do not cover damage from floods. However, because the Borough of Manville participates in the National Flood Insurance Program, you can purchase a separate flood insurance policy. This insurance is backed by the Federal government and is available to everyone, even properties that have been flooded. Because the Borough has successfully applied for participation in the Community Rating System, you will receive up to a 20% reduction in the insurance premium.
 - b. Some people have purchased flood insurance because it was required by the bank when they got a mortgage or home improvement loan. Usually these policies just cover the building's structure and not the contents. During the kind of flooding that happens in your area, there is usually more damage to the furniture and contents than there is to the structure. Be sure you have contents coverage.
 - c. Don't wait for the next flood to buy insurance protection. In most cases, there is a 30-day waiting period before National Flood Insurance Program coverage takes effect.
 - d. Contact your insurance agent for more information on rates and coverage.

If you have any questions regarding this letter, please do not hesitate to contact the Borough Administrator at 908-725-9478 x 103. Please visit the Borough website (<https://www.manvillenj.org/502/Flooding-and-Flood-Information>) for information on flood preparation and response.

Repetitive Loss Area Map

Borough of Manville, Somerset County, New Jersey



Agnoli Engineering, LLC has made an effort to use data only from reliable, quality-controlled Federal and state sources. The municipal boundaries are from NJDEP GIS. The floodplain limits are from the FEMA Flood Map Service Center (Effective on 09/28/2007). The parcel data is from Somerset County GIS (2015).

**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 510
Floodplain
Management
Planning**



P: 201-424-5821

agnoli@agnoligroup.com

www.agnoligroup.com

638A Main Road,
Towaco, NJ 07082



October 15, 2017

Andrea L. Bierwirth
Borough Administrator
Borough of Manville
325 North Main Street
Manville, NJ 08835

Re: Update on the Somerset County All Hazards Mitigation Plan (August 2013)
Activity 510 of the Community Rating System (CRS) Rating Program
Borough of Manville, New Jersey, NFIP Community No. 340437

Dear Ms. Bierwirth:

Below is an update to Appendix 9.12 of the revised August 2013 Somerset County All Hazards Mitigation Plan (Plan) which, in part, serves as the Borough's Floodplain Management Plan under Community Rating System (CRS) Activity No. 510. **As you know, the Borough is pursuing lower flood insurance premiums town-wide and heightened preparedness for a flood-related disaster through additional success in FEMA's CRS program.** Please provide copies of this progress report to the Borough's governing body by copying the Mayor and Council and the State NFIP Coordinating office:

John H. Moyle, P.E.
NJ State NFIP Coordinator
New Jersey Department of Environmental Protection
P.O. Box 419
Trenton, NJ 08625
(609) 984-0859
john.moyle@dep.state.nj.us

The final version of the Plan is available on the Somerset County Department of Public Health and Safety website at the following address: <http://www.co.somerset.nj.us/government/public-health-safety>.

Updates: 9.12.1 Hazard Mitigation Plan Point of Contact

1. Primary Point of Contact needs to be updated to Andrea Bierwirth, MAPA, Administrator; all the same contact info except email is abierwirth@manvillenj.org
2. Alternate Point of Contact should be revised to Vince LoMedico, Director of Public Works; all the same contact info except email is vlomedico@manvillenj.org

Updates: 9.12.2.5 Growth/Development Trends

1. Rustic Mall: Not completed
2. Market Place: Completed

Updates: 9.12.5.1 Legal and Regulatory Capability

1. No. 4, NFIP Flood Damage Prevention Ordinance: Ordinance #2016-1175 Flood Damage Prevention Ordinance (repealed Ordinance #2007-1058).
2. No. 6, Floodplain Management/Basin Plan: Ordinance #2016-1175 Flood Damage Prevention Ordinance (repealed Ordinance #2007-1058).

Updates: 9.12.5.2 Administrative and Technical Capability

1. Replace Gary Garwacke in Items 1-3 with Mr. Stan Schrek, Borough Engineer, Van Cleek Engineering.
2. Replace Ken Otrimski in Item 8 with Dave Kohler, Director OEM.

Updates: 9.12.7 Proposed Hazard Mitigation Initiatives

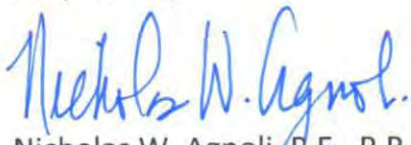
1. MV8 Retrofit VFW building: Per a FEMA grant for \$75,000, Manville purchased an emergency generator from Foley Power Systems. The generator is mobile as it is mounted on a trailer to be moved to the Borough VFW on Washington Avenue for emergency sheltering if needed.
2. MV17 2015 develop improved structure and facility inventories and hazard datasets: A FEMA grant was received in the amount of \$33,000 (\$24,750 Federal Share; \$8,250 non-Federal share). This grant will be used to enhance the flood portion of the Manville Annex of the Somerset County Hazard Mitigation Plan with an in-depth analysis of all properties in the floodplain to prioritize future property acquisitions. **Update:** A committee was formed and has met three times in 2017 to develop a method of prioritization.
3. MV19 Identify and develop agreements with entities that can provide support: Agreements with the VFW to provide for use of the VFW Hall on Washington Avenue in Manville (Thomas J. Kavanaugh Post 2290). Two Agreements were executed on September 12, 2016 between

Ms. Andrea L. Bierwirth
Borough of Manville
October 15, 2017
Page 3 of 3

- the Borough of Manville and the Veterans of Manville, Inc.: 1) 3-year sheltering agreement and 2) emergency generator and transfer switching equipment installation agreement.
4. MV20 Work with regional agencies to help develop damage assessment capabilities at the local level through such things as training programs and certification of qualified individuals. **Update:** The Borough Administrator now holds a Certified Floodplain Manager (CFM) certificate.
 5. MV22 Purchase, relocate, or elevate structures located in hazard-prone areas: Manville has applied for a 2016 FEMA FMA Grant for the acquisition of four homes to include 127 Boesel, 247 N. 1st St., 1114 St. John Street and 1126 St. John Street in the amount of \$1 million. As this grant now stands, the grant has been identified by FEMA for "further review".

If you have any questions or require any additional information, please do not hesitate to contact me at 201-424-5821 or agnoli@agnoligroup.com. Thank you for your continued trust in Agnoli Engineering, LLC.

Respectfully,


Nicholas W. Agnoli, P.E., P.P.
Managing Partner

9.12 Borough of Manville

This section presents the jurisdictional annex for the Borough of Manville (hereinafter referred to as Manville).

9.12.1 HAZARD MITIGATION PLAN POINT OF CONTACT

Hazard Mitigation Plan Points of Contact	
Primary Point of Contact	Alternate Point of Contact
Name: Gary P. Garwacke, P.E., Administrator Address: 325 North Main Street Manville, New Jersey 08835 Phone Number: (908) 725-9478 x103 Fax Number: (908) 231-8620 E-mail Address: ggarwacke@manvillenj.org	Name: Philip E. Petrone, Director of Public Works Address: 325 North Main Street Manville, New Jersey 08835 Phone Number: (908) 725-5512 Fax Number: (908) 231-8620 E-mail Address: ppetrone@manvillenj.org

9.12.2 PROFILE

9.12.2.1 Population

The population of Manville is estimated to be 10,344, based on information gathered during the 2010 U.S. Census.

9.12.2.2 Location

Manville is centrally located within the County of Somerset at the convergence of the Raritan and Millstone Rivers. Manville shares boundaries with Bridgewater Township to the north, Franklin Township to the east and Hillsborough Township to the south and west. New York City is about 25 miles to the northeast.

9.12.2.3 Brief History

Manville was incorporated in 1929. The Borough was named after the Johns Manville Corporation (JM) which established its manufacturing headquarters on over 300 acres of land along the Raritan River in the early 1900's.

9.12.2.4 Governing Body Format

Manville is governed by the Borough form of government which consists of a mayor and six council members. Departments consist of Administration, Police, Public Works, Fire, Recreation and other State mandated departments. Numerous boards and commissions advise the mayor and council members on various public policy issues.

9.12.3 NATURAL HAZARD EVENT HISTORY SINCE 2008

Somerset County has a history of natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. The table below presents a summary of events that have occurred from 2008 to the present to indicate the range and impact of natural hazard events in the community. Information regarding specific damages is included if available based on reference material or local sources. For details of events prior to 2008, refer to Volume I, Section 5.0 of this plan.

Natural Hazard Event History				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
Heavy Rains/Strong Winds	N/A	N/A	March 8, 2008	No local damage reported.
TSTM/ Lightning	N/A	N/A	July 23, 2008	No local damage reported.
TSTM Wind	N/A	N/A	July 27, 2008	No local damage reported.
Lightning	N/A	N/A	September, 2008	No local damage reported.
Strong Wind	N/A	N/A	October 28, 2008	No local damage reported.
Strong Wind	N/A	N/A	February 12, 2009	No local damage reported.
TSTM Wind/ Lightning	N/A	N/A	July 26, 2009	No local damage reported.
TSTMs/Lightning	N/A	N/A	August 21, 2009	No local damage reported.
Severe Storms and Flooding Associated with Tropical Depression Ida and Nor'Easter	DR-1867	No	November 11-15, 2009	No local damage reported.
Snowstorm	DR-1873	No	December 19-20, 2009	No local damage reported.
Severe Winter Storm and Snowstorm	DR-1889	No	February 5-6, 2010	No local damage reported.
Severe Storms and Flooding	DR-1897	Yes (IA and PA)	March 12 – April 15, 2010	The severe storms caused flooding throughout the Borough, created the need for mass evacuations and shelter openings. Roads were closed for up to 48 hours and damage was sustained at two pump stations, the DPW facility, and many private homes and businesses.
Strong Wind	N/A	N/A	May 8, 2010	No local damage reported.

9.12.4 NATURAL HAZARD RISK/VULNERABILITY RISK RANKING

The table below summarizes the vulnerability risk rankings of potential hazards of the Borough of Manville.

Natural Hazard Risk/Vulnerability Risk Ranking				
Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Flood	1% Annual Chance: \$30,944,722 0.2% Annual Chance: \$64,125,651	Frequent	33	High
Severe Storm	100-Year MRP: \$1,483,991 500-Year MRP: \$7,176,901 Annualized Loss: \$97,692	Frequent	39	High
Severe Winter Storm	1% of GBS: \$9,452,797 5% of GBS: \$47,263,983	Frequent	27	Medium
Earthquake	500-Year MRP: \$1,169,238 2,500-Year MRP: \$22,055,365 Annualized Loss: \$21,100	Occasional	16	Low ^g
Drought	Not available	Occasional	12	Low
Extreme Temperature	Not available	Frequent	27	Medium
Wildfire	Not available	Occasional	12	Low

Note

- Building damage ratio estimates based on FEMA 386-2 (August 2001)
- The valuation of general building stock and loss estimates was based on custom inventory for Somerset County.
- High = Total hazard priority risk ranking score of 31 and above
Medium = Total hazard priority risk ranking of 15-30
Low = Total hazard risk ranking below 15
- Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- Loss estimates for the flood and earthquake hazards represent both structure and contents.
- The HAZUS-MH earthquake model results are reported by Census Tract.
- This rank was adjusted based on qualitative input from county/jurisdictional representatives due to hazard event history and other municipality-specific considerations.

9.12.5.1 Legal and Regulatory Capability

The table below summarizes the regulatory tools that are available to Manville.

Legal and Regulatory Capability			
Regulatory Tools (Codes, Ordinances, Plans)	Do you have this? (Y or N)	Enforcement Authority	Code Citation (Section, Paragraph, Page Number, Date of Adoption)
1) Building Code	Y	Code	International Building Code – New Jersey Edition,; 2/20/07
2) Zoning Ordinance	Y	Code	Ordinance #643; 10/1987; 3/14/2011 Latest Revision
3) Subdivision Ordinance	Y	Code	Ordinance #642; 10/1987; 2/25/2008 Latest Revision
4) NFIP Flood Damage Prevention Ordinance	Y	Code	Flood Damage Prevention Ordinance #1058; 8/2007
4a) Cumulative Substantial Damages	Y	Code	-
4b) Freeboard	Y	Code	-
5) Growth Management	Y	Planning Board	See Zoning Ordinance
6) Floodplain Management / Basin Plan	Y	Code	Flood Damage Prevention Ordinance #1058; 8/2007
7) Stormwater Management Plan/Ordinance	Y	Engineer DPW	Ordinance 1031; 4/24/06
8) Comprehensive Plan / Master Plan/ General Plan	Y	Planning Board	Master Plan; 2006
9) Capital Improvements Plan	Y	Mayor & Council	-
10) Site Plan Review Requirements	Y	Engineer	Ordinance #642; 10/1987; 2/25/2008 Latest Revision
11) Open Space Plan	N	-	-
12) Stream Corridor Management Plan	N	-	-
13) Watershed Management or Protection Plan	N	-	-
14) Economic Development Plan	N	-	-
15) Comprehensive Emergency Management Plan	Y	OEM	-

9.12.5.2 Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to Manville.

Administrative and Technical Capability		
Staff / Personnel Resources	Available (Y or N)	Department / Agency / Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Gary Garwacke PE, Borough Engineer
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Gary Garwacke PE, Borough Engineer
3) Planners or engineers with an understanding of natural hazards	Y	Gary Garwacke PE, Borough Engineer
4) NFIP Floodplain Administrator	Y	John Tamburini, Construction Official
5) Surveyor(s)	Y	Contract
6) Personnel skilled or trained in GIS applications	Y	Contract
7) Scientist familiar with natural hazards	Y	Contract
8) Emergency Manager	Y	Ken Otrimski, Director OEM
9) Grant Writer(s)	Y	Gary Garwacke PE, Borough Engineer
10) Staff with expertise or training in benefit/cost analysis	Y	Gary Garwacke PE, Borough Engineer

9.12.5.4 Community Classifications

The table below summarizes classifications for community program available to the Borough of Manville.

Community Classifications		
Program	Classification	Date Classified
Community Rating System (CRS)	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	-	-
Public Protection	-	-
Storm Ready	Yes	2007
Firewise	-	-

Notes:

- = Unavailable

N/A = Not applicable

NP = Not participating.

The classifications listed above relate to Manville's ability to provide effective services to lessen its vulnerability to the natural hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance, while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1,000 feet of a creditable fire hydrant and is within 5 road miles of a recognized fire station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

SECTION 9.12: BOROUGH OF MANVILLE

building stock replacement cost value (structure and contents) will be damaged, 1557 people may be displaced, 1,131 people may seek short-term sheltering, and an estimated 15,644 tons of debris could be generated.

Further information regarding the summary of the community’s participation in the NFIP is provided in the table below.

NFIP Summary								
Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 1% Boundary (3)	# Policies in 0.2% - Boundary (3)	# Policies Outside the 0.2% Flood Hazard (3)
Manville (B)	594	1,387	\$48,755,251	191	76	338	120	136

Source:

- (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA Region 2 in April 2012 using the “Comm_Name.” These statistics are current as of Borough of Manville. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties.
- (2) Information regarding total building and content losses was gathered from the claims file provided by FEMA Region 2 (current as of Borough of Manville).
- (3) The policy locations used are based on the latitude and longitude provided by FEMA Region 2.

9.12.8 PRIORITIZATION OF MITIGATION INITIATIVES

The table below summarizes the priority levels for each mitigation initiative, listed by number.

Prioritization of Mitigation Initiatives							
Initiative #	# of Objectives Met	Benefits	Costs	Do benefits equal or exceed costs? (Yes or No)	Is project Grant eligible? (Yes or No)	Can project be funded under existing programs/budgets? (Yes or No)	Priority (High, Med., Low)
MV1	1	H	H	Y	Y	N	H
MV2	1	H	H	Y	Y	N	H
MV3 (MV2)	1	H	H	Y	Y	N	H
MV4 (MV3)	1	H	H	Y	Y	N	H
MV5 (MV4)	1	H	H	Y	Y	Y	M
MV6 (MV5)	4	H	H	Y	Y	Y	H
MV7 (MV7)	3	M	M	Y	Y	Y	H
MV8 (MV8)	3	H	M	Y	Y	Y	H
MV9 (MV9)	4	M	L	Y	N	Y	L
MV10 (MV11)	3	L	L	Y	N	Y	L
MV11 (MV12)	5	M	L	Y	N	Y	H
MV12 (MV14)	2	M	L	Y	N	Y	M
MV13	3	M	M	Y	Y	Y	H
MV14	3	M	M	Y	N	Y	M
MV15	2	M	M	Y	N	Y	M
MV16	4	M	M	Y	N	Y	M
MV17	1	M	M	Y	N	Y	M
MV18	2	L	L	Y	N	Y	H
MV19	1	M	M	Y	N	Y	M
MV20	1	M	M	Y	N	Y	M
MV21 (MV15)	All	M	M	Y	N	Y	H
MV22	1,2	H	H	Y	Y	N	H
MV23 (MV16)	1,2	H	H	Y	Y	N	M
MV24	6,7	H	L-M	Y	N	Y	H
MV25	1,6	M	M	Y	N	Y	M
MV26	1,3,10	M	L	Y	N	Y	M
MV27	4,5	M	L	Y	N	Y	H
MV28	4,5	M	L	Y	N	Y	H

9.12.8.1 Explanation of Priorities

Explanations of priority classifications used to assess the mitigation initiatives described in this annex are presented below:

High Priority = A project that meets multiple objectives (i.e., multiple hazards), where potential benefits exceed the costs. High-priority projects have funding secured or are on-going projects that meet eligibility requirements for the Hazard Mitigation Grant Program (HMGP) or Pre-Disaster Mitigation (PDM) Grant Program. High-priority projects can be completed in the short term (1 to 5 years).

Medium Priority = A project that meets goals and objectives, where the potential benefits outweigh the costs. Funding for medium-priority projects has not been secured but these projects are eligible for grants under HMGP, PDM, or other grant programs. These projects can be completed in the short term, once funding is completed. Medium-priority projects will become high-priority projects once funding is secured.

Low Priority = A project that will mitigate the risk of a hazard, where the potential benefits do not exceed the costs or have benefits that are difficult to quantify. Funding for low-priority projects has not been secured and these projects are not eligible for HMGP or PDM grant funding. The timeline for completion is considered long term (1 to 10 years). Low-priority projects may be eligible other sources of grant funding from other programs. A low-priority project could become a high-priority project once funding is secured as long as it could be completed in the short term.

Was prioritization of initiatives based on the above definitions? Yes

Was prioritization of initiatives based on parameters other than those stated above? Not applicable

9.12.9 FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

Manville has no additional risk vulnerabilities that need to be addressed at this time.

9.12.10 HAZARD AREA EXTENT AND LOCATION

A hazard area extent and location map illustrating the probable areas impacted within Manville is provided on the following page. This map is based on the best data available at the time of the preparation of this plan, and is considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which Manville has significant exposure. The planning area maps are provided in the hazard profiles within Section 5.4, Volume I of this plan.

9.12.11 STATUS OF INCORPORATION OF MITIGATION PLANNING INTO EXISTING AND FUTURE PLANNING MECHANISMS

It is the intention of Manville to incorporate mitigation planning as an integral component of daily municipal operations. The following table contains a list of planning mechanisms that have been or will be incorporated into municipal procedures.

Status of Incorporation of Mitigation Planning into Existing and Future Planning Mechanisms		
Planning Mechanisms	Has Been Utilized	Will Be Utilized
Operating Budget When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals and objectives.	X	X
Capital Improvement Budget When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals and objectives.	X	X
Human Resource Manual Employee job descriptions may contain hazard mitigation actions.	X	X
Building and Zoning Ordinances Prior to land use, zoning changes, or development permitting, the municipality will review the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use.	X	X
Comprehensive Land Use Plan When applicable, the municipality will incorporate hazard mitigation actions in the development and extent of the regulations.	X	X
Grant Applications Data and maps will be used as supporting documentation in grant applications.	X	X
Municipal Ordinances When updating municipal ordinances, hazard mitigation will be a priority.	X	X
Fire Plan The Hazard Mitigation Plan will be used as a resource for the development of future Fire Plans.	-	X
Capital Improvement Planning The municipality will establish a protocol to review current and future projects for hazard vulnerability. The municipality will incorporate hazard-resistant construction standards into the design and location of projects.	-	X
Day-to-Day Operations The municipality will incorporate hazard mitigation actions in daily operations and all projects.	X	X
Local School Service Projects The municipality will work closely with the local school district and assist with community service projects for the service organizations. Several of the municipality's hazard mitigation actions can be implemented as a joint project with the school district.	-	X
Municipal Budget Adopted annually, the municipality will look at mitigation actions when allocating funding.	-	X
Economic Development The local economic development group will take into account information regarding identified hazard areas when assisting new businesses in finding a location.	-	X

9.12.12 ADDITIONAL COMMENTS

There are no additional comments at this time.



**Borough of Manville
Supporting Documentation
Community Rating System
Annual Re-Certification 2017**

NFIP Community No. 340437

**CRS Activity 520
Acquisition and
Relocation**

Borough of Manville Recent Acquisition and Relocation

Property	Demolished	Area (ac)
300 North 2nd Avenue	7/27/2017	0.0918
255 North 2nd Avenue	8/21/2017	0.1837
645 Huff Avenue	8/21/2017	0.16
627 Boesel Avenue	8/21/2017	0.1125
201 Knopf Street	8/21/2017	0.1837
	Total	0.7317