

## FLOOD PROTECTION FORM – NO RISE (FP-NR)

2020 Edition (published February 11, 2020)

Expires February 1, 2021

**SUBMIT WITH ZONING/USE REGISTRATION PERMIT or  
BUILDING PERMIT APPLICATION**

### FLOOD PROTECTION FORM – NO RISE (FP-NR)

This form is for development in these areas:

1. FEMA designated floodway - **SUBMIT WITH ZONING APPLICATION & BUILDING PERMIT APPLICATION**
  - Development is prohibited unless a dock, roadway, trail, bridge or public utility and must show a no rise. (Philadelphia Zoning Code)
2. FEMA mapped SFHA without designated floodway (along the Delaware River) - **SUBMIT WITH BUILDING PERMIT APPLICATION**
  - Where design flood elevations are specified but floodways have not been designed, unless it has been demonstrated that the cumulative effect of the proposed flood hazard area encroachment, when combined with all other existing and anticipated flood hazard area encroachment, will not increase the design flood elevation more than 1 foot. (IBC 2018: 1804.5(4))

Any project in the areas above must be reviewed to determine if the project will increase flood heights. An engineering analysis must be conducted before a permit can be issued. The building permit file must have a record of the results of this analysis, which can be in the form of a No-rise Certification. This No-rise Certification must be supported by technical data and signed by a registered professional engineer. This form can only be completed by a PA Registered Design Professional.

[FEMA: Procedures for “No-Rise” Certification](#) – guidance only (not Philadelphia codes/regulations)

For more information on floodplain codes/regulations visit the Floodplain Management webpage at

<http://www.phila.gov/li/Pages/FloodplainManagement.aspx>

**NOTE: ALL LINES ON THIS FORM MUST BE COMPLETED, AND WHEN “NOT APPLICABLE” SELECT “N/A”**

A. PROJECT INFORMATION		
1. Site address		
2. Engineer name		
3. Engineer address		
4. Engineer email		
B. SITE INFORMATION		
1. FEMA Zone	<input type="checkbox"/> Floodway	<input type="checkbox"/> No mapped floodway in a SFHA
2. Flooding source name		
3. FEMA Map panels effected		
C. TYPE(S) OF DEVELOPMENT (select all that apply)		
<input type="checkbox"/> New building <input type="checkbox"/> Addition <input type="checkbox"/> Renovation/alteration <input type="checkbox"/> Earth Work/excavation <input type="checkbox"/> Retaining Wall <input type="checkbox"/> Demolition <input type="checkbox"/> Accessory Structure <input type="checkbox"/> Below grade parking <input type="checkbox"/> Seasonal/temporary <input type="checkbox"/> Fill <input type="checkbox"/> Dock <input type="checkbox"/> Roadway <input type="checkbox"/> Mobile Home	<input type="checkbox"/> Storage of materials <input type="checkbox"/> Storage of equipment/machinery <input type="checkbox"/> Electrical <input type="checkbox"/> HVAC <input type="checkbox"/> Fuel Systems <input type="checkbox"/> Water supply <input type="checkbox"/> Elevator/escalator <input type="checkbox"/> Plumbing <input type="checkbox"/> Construction Office/Staging/Storage <input type="checkbox"/> Watercourse Alteration <input type="checkbox"/> Bridge <input type="checkbox"/> Public Utility <input type="checkbox"/> Office Trailer	<input type="checkbox"/> If a public utility, what type?

<input type="checkbox"/> Production or storage of: - <b>Prohibited in the Floodway</b> acetone; ammonia; benzene; calcium carbide; carbon disulfide; hydrochloric acid; hydrocyanic acid; magnesium; nitric acid and oxides of nitrogen; petroleum products; phosphorus; potassium; sodium; sulfur and sulfur products; or pesticides & radioactive substances ( <i>Appendix G901</i> )			
<input type="checkbox"/> Other (not listed above):			
<b>D. ANALYSIS</b>			
If the project encroaches on the floodway, and analysis is required.			
1. Analysis indicated <b>NO RISE</b> in water surface of base flood elevation	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A	
2. Analysis indicates <b>A RISE</b> in water surface of the base flood elevation	<input type="checkbox"/> Yes, complete <b>FP-LOMC</b>	<input type="checkbox"/> N/A	
3. Calculations (H&H Study)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<b>E. WATERCOURSE ALTERATION</b>			
1. Does the project alter the watercourse?	<input type="checkbox"/> Yes, complete <b>FP-LOMC</b>	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<b>F. OTHER PERMITS</b>			
Generally, other agency permits are required when a No-Rise is required by the City, the approval or determination letter (from the applicable party) must be submitted with this form.			
1. Must be included with Building Permit application	<input type="checkbox"/> Yes, complete <b>FP-G: G</b>	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<b>G. VARIANCES</b>			
1. To seek a variance	<input type="checkbox"/> Yes, see <b>FP-VAR</b>	<input type="checkbox"/> N/A	
<b>H. SIGNATURE</b>			
I hereby affirm that all statements above are correct and complete to the best of my knowledge and that the design plans/additional documents, that were submitted, are consistent with these statements as I am a duly qualified engineer licensed to practice in the State of Pennsylvania. Furthermore, I certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the Base Flood Elevations and will not create any increase to the Base Flood Elevations in the vicinity of the proposed development			
<b>Design Professional Signature</b>		<b>Print Name</b>	<b>Date</b>
<b>License #</b>		<b>Seal w/ signature</b>	
<b>I. ADDITIONAL INFORMATION</b>			
If you need to provide additional information or clarification to any items on this form, please attach below:			

**End of Form (FP-NR).**

Questions and/or Contact:  
Floodplain Manager  
City of Philadelphia  
[floodplainmanager@phila.gov](mailto:floodplainmanager@phila.gov)

## **INSTRUCTIONS: FLOOD PROTECTION FORM – NO RISE (FP-NR)**

### **SECTION A**

This section is for general project information and PA licensed engineer information.

### **SECTION B**

This section identifies FEMA floodway or no designated floodway zone.

### **SECTION C**

This section identifies the types of development occurring.

### **SECTIONS D**

This section identifies the analysis conducted. Technical reports and calculation shall be attached to this form. Both a digital copy and hard copy are required. The digital files shall include models used to perform analysis.

### **SECTION E**

This section identifies if a watercourse alteration is occurring which may trigger state and federal permits to be obtained prior to a City of Philadelphia Building Permit.

### **SECTION F**

This section identifies other state and federal permits that must be obtained prior to the issuance of a City of Philadelphia Building Permit.

### **SECTION G**

This section identifies how to seek a variance.

### **SECTION H**

The PA licensed engineer certifies that all information provided on this form is correct. The engineer also signs and seals this form.

### **SECTION I**

This section is for additional information or clarification of items on this form. If the applicant has attachments or exhibits, they should be listed here with name, page number, and date.