**CDC APPLICATION - Part 1**

To be completed by Applicant or Applicant's representative and submitted to the appropriate local CDC/Floodplain Administrator. Attach additional pages as necessary. This application is considered public information and will be distributed to federal, state, and local governmental agencies as outlined in the CDC Manual.

1. **APPLICANT INFORMATION**

**Applicant's Representative.** Identify person knowledgeable of and authorized to respond to questions concerning data provided by the Applicant.

CDC Applicant/Property Owner:

Project Name:

Property Address:

City/County:

Owner/Applicant Representative::

Telephone and Email:

Relationship to Applicant:

Address:

Telephone:

E-mail:

Engineer:

Engineer Telephone and Email:

Project Size (total acres):

Area of Floodplain at Project Site (acres):

1. **LOCATION**

Provide general description of location, including street address, nearest cross street, and identified impacted water bodies:

 Latitude/longitude of project centroid (to six decimal places). Can be found using DFWmaps.com:

 Project boundary in digital format (if available)

 FEMA FIRM map/panel number, effective FIRM date, and flood zone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **PROPOSED PROJECT**

 **Proposed Activity:** (check appropriate categories)

 🞎 dredge/channel modification

 🞎 swale construction

 🞎 fill

 🞎 excavation

 🞎 levee

 🞎 bridge/river crossing

 🞎 other (include explanation here)

**Proposed Use:** (check appropriate categories)

 🞎 private single dwelling(s)

 🞎 private multi‑dwelling(s)

 🞎 public

 🞎 commercial

 🞎 industrial

 🞎 other (include explanation here)

**Brief description of project:**

**4. PROJECT LOCATION WITH RESPECT TO INEFFECTIVE FLOW AREA**

🞎 Not located entirely within an ineffective flow area

🞎 Located entirely within both the 100-year and the SPF ineffective flow area

🞎 Located entirely within the 100-year ineffective flow area only

**5. VERSION OF HEC-RAS USED IN THE ANALYSIS: \_\_\_\_\_\_\_\_\_\_\_\_**

1. **EXEMPTIONS AND VARIANCES**

**Exemption Category**: (check if applicable ‑ additional documentation may be required)

🞎 Maintenance, repair, or identical replacement of existing infrastructure

* Outfall structures where the outfall has been permitted under the Federal NPDES or State TPDES program
* Intake structures
* Discharge of material for backfill or bedding for utility lines, provided that no significant change occurs in pre-existing bottom contours and excess material is removed to a disposal area out of the Regulatory Zone
* Bank stabilization activities provided that no significant change occurs in pre-existing bottom contours and excess material is removed to a disposal area out of the Regulatory Zone
* Small-scale projects that cause minimal change in ground surface elevation and no decrease in hydraulic conveyance and valley storage for the 100-year flood
* Temporary construction-related activity
* Specific Prior Development - The existing development projects as defined in Section 1.7 DEFINITIONS AND ACRONYMS of this Manual and listed in Appendix B.3 (also referred to as Grandfathered Projects).

**Applicant requests a Variance to Common Permit Criteria:** 🞎 Yes 🞎 No

 (If yes, please explain supporting information here)

**CDC APPLICATION - Part 2**

**Detailed Hydrologic and Hydraulic Information**

To be completed by Applicant or Applicant's representative and submitted to the appropriate local CDC/Floodplain Administrator. Attach additional pages as necessary. This application is considered public information and will be distributed to federal, state, and local governmental agencies as outlined in the CDC Manual.

**100-YEAR FLOOD**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Location** | **Pre-Project** | **With-Project** | **Change** |
|  |  |  |  |  |
| **Discharge** | Downstream Boundary (DB)cross-section \_\_\_\_\_\_\_\_\_\_\_ | cfs | n/a | n/a |
|  | Upstream Boundary (UB) cross-section \_\_\_\_\_\_\_\_\_\_\_ | cfs | n/a | n/a |
|  |  |  |  |  |
| **Channel Velocity** | Downstream Boundarycross-section \_\_\_\_\_\_\_\_\_\_\_ | fps | fps | fps |
|  | Upstream Boundarycross-section \_\_\_\_\_\_\_\_\_\_\_ | fps | fps | fps |
|  |  |  |  |  |
| **Water Surface Elevation (NGVD)** | \_\_\_\_\_\_ feet downstream of DBcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet downstream of DBcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | Downstream Boundarycross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | Mid-projectcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | Upstream Boundary cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of DBcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of UB cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of UB cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of UB cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  |  |  |  |  |
| **Project Lands in Floodplain (acre)** | On-Site | ac | ac | ac |
| **Valley Storage (acre-feet)** | On-Site | ac-ft | ac-ft | ac-ft |
|  | Off-Site (if applicable) | ac-ft | ac-ft | ac-ft |
| **Valley Storage Net Change (acre-feet)** | Sum of (On-Site Change + Off-Site Change) | ac-ft |
| **Valley Storage Percent Change (%)** | Valley Storage Net Change/Pre-Project On-Site Valley Storage | % |

**Standard Project FLOOD (SPF)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Location** | **Pre-Project** | **With-Project** | **Change** |
|  |  |  |  |  |
| **Discharge** | Downstream Boundary (DB)cross-section \_\_\_\_\_\_\_\_\_\_\_ | cfs | n/a | n/a |
|  | Upstream Boundary (UB) cross-section \_\_\_\_\_\_\_\_\_\_\_ | cfs | n/a | n/a |
|  |  |  |  |  |
| **Channel Velocity** | Downstream Boundarycross-section \_\_\_\_\_\_\_\_\_\_\_ | fps | fps | fps |
|  | Upstream Boundarycross-section \_\_\_\_\_\_\_\_\_\_\_ | fps | fps | fps |
|  |  |  |  |  |
| **Water Surface Elevation (NGVD)** | \_\_\_\_\_\_ feet downstream of DBcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet downstream of DBcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | Downstream Boundarycross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | Mid-projectcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | Upstream Boundary cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of DBcross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of UB cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of UB cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  | \_\_\_\_\_\_ feet upstream of UB cross-section \_\_\_\_\_\_\_\_\_\_\_\_ | ft | ft | ft |
|  |  |  |  |  |
| **Project Lands in Floodplain (acre)** | On-Site | ac | ac | ac |
| **Valley Storage (acre-feet)** | On-Site | ac-ft | ac-ft | ac-ft |
|  | Off-Site (if applicable) | ac-ft | ac-ft | ac-ft |
| **Valley Storage Net Change (acre-feet)** | Sum of (On-Site Change + Off-Site Change) | ac-ft | ac-ft | ac-ft |
| **Valley Storage Percent Change (%)** | Valley Storage Net Change/Pre-Project On-Site Valley Storage | % |

**7. VALLEY STORAGE MITIGATION**

Describe hydraulic mitigation used to compensate for project valley storage impacts**.**

**Application is hereby submitted for a Corridor Development Certificate (CDC). I certify that I am knowledgeable of the information contained in this application, and that to the best of my knowledge and belief, this information is true, complete, and accurate.**

Signature of CDC Applicant or Applicant's Representative

Typed Name/Title/Date

P.E. License Number and seal/stamp