

## Dam Inspection Report

Name of Dam \_\_\_\_\_ Dam ID No. \_\_\_\_\_

Permit Number \_\_\_\_\_ Class of Dam \_\_\_\_\_

Location \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Owner \_\_\_\_\_  
Name Telephone Number (Day)

\_\_\_\_\_ Street Telephone Number (Night)

\_\_\_\_\_ City \_\_\_\_\_ Zip Code \_\_\_\_\_ County \_\_\_\_\_

Type of Dam \_\_\_\_\_

Type of Spillway \_\_\_\_\_

Date(s) Inspected \_\_\_\_\_

Weather When Inspected \_\_\_\_\_

Temperature When Inspected \_\_\_\_\_

Pool Elevation When Inspected \_\_\_\_\_

Tailwater Elevation When Inspected \_\_\_\_\_

Inspection Personnel:

\_\_\_\_\_  
Name Title

\_\_\_\_\_  
Name Title

Professional Engineer's Seal \_\_\_\_\_  
Name Title

### CONDITION CODES

- NE - No evidence of a problem
- GC - Good condition
- MM - Item needing minor maintenance and/or repairs within the year, the safety or integrity of the item is not yet imperiled
- IM - Item needing immediate maintenance to restore or ensure its safety or integrity
- EC - Emergency condition which if not immediately repaired or other appropriate measures taken could lead to failure of the dam
- OB - Condition requires regular observation to ensure that the condition does not become worse
- NA - Not applicable to this dam
- NI - Not inspected - list the reason for non-inspection under deficiencies

## **EARTH EMBANKMENT**

| ITEM                                                   | CONDITION CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES AND IMPLEMENTATION SCHEDULE |
|--------------------------------------------------------|----------------|--------------|-----------------------------------------------------------|
| Surface Cracks                                         |                |              |                                                           |
| Vertical and Horizontal Alignment of Crest             |                |              |                                                           |
| Unusual Movement or Cracking At or Beyond Toe          |                |              |                                                           |
| Sloughing or Erosion of Embankment and Abutment Slopes |                |              |                                                           |
| Upstream Face Slope Protection                         |                |              |                                                           |
| Seepage                                                |                |              |                                                           |
| Filter and Filter Drains                               |                |              |                                                           |

## **EARTH EMBANKMENT**

(Continued)

| ITEM                        | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|-----------------------------|-------------------|--------------|--------------------------------------------------------------|
| Animal Damage               |                   |              |                                                              |
| Embankment Drainage Ditches |                   |              |                                                              |
| Vegetative Cover            |                   |              |                                                              |
| Other (Name)                |                   |              |                                                              |
| Other                       |                   |              |                                                              |
| Other                       |                   |              |                                                              |
| Other                       |                   |              |                                                              |

**CONCRETE OR MASONRY DAMS**

| ITEM                                           | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|------------------------------------------------|-------------------|--------------|--------------------------------------------------------------|
| Seepage                                        |                   |              |                                                              |
| Structure to Abutment/<br>Embankment Junctions |                   |              |                                                              |
| Water Passages                                 |                   |              |                                                              |
| Foundation                                     |                   |              |                                                              |
| Surface Cracks in Concrete<br>Surfaces         |                   |              |                                                              |
| Structural Cracking                            |                   |              |                                                              |
| Vertical and Horizontal<br>Alignment           |                   |              |                                                              |

## **CONCRETE OR MASONRY DAMS**

(CONTINUED)

| ITEM                  | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|-----------------------|-------------------|--------------|--------------------------------------------------------------|
| Monolith Joints       |                   |              |                                                              |
| Contraction Joints    |                   |              |                                                              |
| Spalling of Concrete  |                   |              |                                                              |
| Filters, Drains, etc. |                   |              |                                                              |
| Riprap                |                   |              |                                                              |
| Other (Name)          |                   |              |                                                              |

IF THE DAM IS GATED - Fill out the portion of the Principal Spillway Form related to Gated Spillways

**PRINCIPAL SPILLWAY**  
**APPROACH CHANNEL**

| ITEM                 | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|----------------------|-------------------|--------------|--------------------------------------------------------------|
| Debris               |                   |              |                                                              |
| Side Slope Stability |                   |              |                                                              |
| Slope Protection     |                   |              |                                                              |
| Other (Name)         |                   |              |                                                              |
| Other                |                   |              |                                                              |
| Other                |                   |              |                                                              |
| Other                |                   |              |                                                              |

**PRINCIPAL SPILLWAY**

☐ Drop Inlet Spillway

☐ Overflow Spillway Structure

☐ Gated

| ITEM                             | CONDITION CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES AND IMPLEMENTATION SCHEDULE |
|----------------------------------|----------------|--------------|-----------------------------------------------------------|
| Erosion, Spalling, Cavitation    |                |              |                                                           |
| Structure to Embankment Junction |                |              |                                                           |
| Drains                           |                |              |                                                           |
| Seepage Around or Into Structure |                |              |                                                           |
| Surface Cracks                   |                |              |                                                           |
| Structural Cracks                |                |              |                                                           |

IF THE SPILLWAY IS GATED FILL OUT THE GATES SECTION

**PRINCIPAL SPILLWAY**

(Continued)

☐ Drop Inlet Spillway

☐ Overflow Spillway Structure

☐ Gated

| ITEM                        | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|-----------------------------|-------------------|--------------|--------------------------------------------------------------|
| Alignment of Abutment Walls |                   |              |                                                              |
| Construction Joints         |                   |              |                                                              |
| Filter and Filter Drains    |                   |              |                                                              |
| Trash Racks                 |                   |              |                                                              |
| Bridge and Piers            |                   |              |                                                              |
| Differential Settlement     |                   |              |                                                              |
| Other (Name)                |                   |              |                                                              |

IF THE SPILLWAY IS GATED FILL OUT THE GATES SECTION

**PRINCIPAL SPILLWAY**

(Continued)

☐ Conduit☐ Gated

| ITEM                              | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|-----------------------------------|-------------------|--------------|--------------------------------------------------------------|
| Erosion, Spalling, Cavitation     |                   |              |                                                              |
| Joint Separation                  |                   |              |                                                              |
| Seepage Around of Into<br>Conduit |                   |              |                                                              |
| Surface Cracks                    |                   |              |                                                              |
| Structural Cracks                 |                   |              |                                                              |
| Trash Racks                       |                   |              |                                                              |
| Differential Settlement           |                   |              |                                                              |
| Alignment                         |                   |              |                                                              |
| Other (Name)                      |                   |              |                                                              |

IF THE SPILLWAY IS GATED FILL OUT THE GATES SECTION

**PRINCIPAL SPILLWAY**

(Continued)

☐ Chute

| ITEM                                | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|-------------------------------------|-------------------|--------------|--------------------------------------------------------------|
| Erosion, Spalling, Cavitation       |                   |              |                                                              |
| Structure to Embankment<br>Junction |                   |              |                                                              |
| Construction Joints                 |                   |              |                                                              |
| Expansion and Contraction<br>Joints |                   |              |                                                              |
| Differential Settlement             |                   |              |                                                              |
| Surface Cracks                      |                   |              |                                                              |
| Structural Cracks                   |                   |              |                                                              |
| Wall Alignment                      |                   |              |                                                              |
| Other (Name)                        |                   |              |                                                              |

IF THE SPILLWAY IS GATED FILL OUT THE GATES SECTION

**PRINCIPAL SPILLWAY**

☐

Principal Spillway

☐

Dewatering

☐

Other:

\_\_\_\_\_

| ITEM                             | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|----------------------------------|-------------------|--------------|--------------------------------------------------------------|
| Gate Sill                        |                   |              |                                                              |
| Gate Seals                       |                   |              |                                                              |
| Gate and Frame                   |                   |              |                                                              |
| Operating Machinery              |                   |              |                                                              |
| Emergency Operating<br>Machinery |                   |              |                                                              |
| Other (Name)                     |                   |              |                                                              |
| Other                            |                   |              |                                                              |

**OUTLET WORKS**  
**IF SEPARATE FROM PRINCIPAL SPILLWAY STRUCTURE**

| ITEM                              | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|-----------------------------------|-------------------|--------------|--------------------------------------------------------------|
| Erosion, Spalling, Cavitation     |                   |              |                                                              |
| Joint Separation                  |                   |              |                                                              |
| Seepage Around or Into<br>Conduit |                   |              |                                                              |
| Intake Structure                  |                   |              |                                                              |
| Outlet Structure                  |                   |              |                                                              |
| Outlet Channel                    |                   |              |                                                              |
| Riprap                            |                   |              |                                                              |
| Other (Name)                      |                   |              |                                                              |
| Other                             |                   |              |                                                              |

**ENERGY DISSIPATOR**

☐

Principal Spillway  
Type: \_\_\_\_\_

☐

Outlet Works

| ITEM                             | CONDITION CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES AND IMPLEMENTATION SCHEDULE |
|----------------------------------|----------------|--------------|-----------------------------------------------------------|
| Erosion, Spalling, Cavitation    |                |              |                                                           |
| Structure to Embankment Junction |                |              |                                                           |
| Construction Joints              |                |              |                                                           |
| Surface Cracks                   |                |              |                                                           |
| Structural Cracks                |                |              |                                                           |
| Differential Alignment           |                |              |                                                           |
| Expansion and Contraction Joints |                |              |                                                           |

## **ENERGY DISSIPATOR**

(Continued)

☐

Principal Spillway

☐

Outlet Works

| ITEM           | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|----------------|-------------------|--------------|--------------------------------------------------------------|
| Riprap         |                   |              |                                                              |
| Outlet Channel |                   |              |                                                              |
| Debris         |                   |              |                                                              |
| Other (Name)   |                   |              |                                                              |
| Other          |                   |              |                                                              |
| Other          |                   |              |                                                              |
| Other          |                   |              |                                                              |

## EMERGENCY SPILLWAY

☐ Earth

Other: Name \_\_\_\_\_

| ITEM                               | CONDITION<br>CODE | DEFICIENCIES | RECOMMENDED REMEDIAL MEASURES<br>AND IMPLEMENTATION SCHEDULE |
|------------------------------------|-------------------|--------------|--------------------------------------------------------------|
| Erosion                            |                   |              |                                                              |
| Weeds, Logs, Other<br>Obstructions |                   |              |                                                              |
| Side Slope Sloughing               |                   |              |                                                              |
| Vegetation                         |                   |              |                                                              |
| Sedimentation                      |                   |              |                                                              |
| Riprap                             |                   |              |                                                              |
| Settlement of Crest                |                   |              |                                                              |
| Downstream Channel                 |                   |              |                                                              |
| Other (Name)                       |                   |              |                                                              |

SUMMARY OF MAINTENANCE DONE AND/OR  
REPAIRS MADE SINCE THE LAST INSPECTION

DATE OF PRESENT INSPECTION

---

DATE OF LAST INSPECTION

---

1. EARTH EMBANKMENT DAMS

2. CONCRETE MASONRY DAMS

3. PRINCIPAL SPILLWAY

4. OUTLET WORKS

5. EMERGENCY SPILLWAY

DOWNSTREAM DEVELOPMENT  
APPROXIMATE WIDTH OF AFFECTED FLOODPLAIN \_\_\_\_\_ MILES

| MILES<br>DOWNSTREAM<br>FROM DAM | DOWNSTREAM DEVELOPMENT |                  |                        |                      |                      |         |           |                 |      |                    |                          | Loss of<br>Life<br>Potential |      |         | Economic<br>Loss<br>Potential |                  |                      | SKETCH IN DEVELOPMENTS<br>DOWNSTREAM OF THE DAM |                                                                                                                                                  |
|---------------------------------|------------------------|------------------|------------------------|----------------------|----------------------|---------|-----------|-----------------|------|--------------------|--------------------------|------------------------------|------|---------|-------------------------------|------------------|----------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | OCCUPIED HOMES         | UNOCCUPIED HOMES | AGRICULTURAL BUILDINGS | INDUSTRIAL BUILDINGS | COMMERCIAL BUILDINGS | SCHOOLS | HOSPITALS | ROADS & BRIDGES | DAMS | OVERHEAD UTILITIES | OTHER DEVELOPMENT (Name) | OTHER DEVELOPMENT (Name)     | NONE | 1 TO 10 | OVER 10                       | MINIMAL EXPECTED | APPRECIABLE EXPECTED |                                                 | EXCESSIVE EXPECTED                                                                                                                               |
| 0 to 1/4                        |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 | <p style="text-align: center;">RESERVOIR</p> <p style="text-align: center;">DAM</p> <p style="text-align: center;">Downstream<br/>Floodplain</p> |
| 1/4 to 1/2                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |
| 1/2 to 3/4                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |
| 3/4 to 1                        |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |
| 1 to 1-1/4                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |
| 1-1/4 to 1-1/2                  |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |
| 1-1/2 to 1-3/4                  |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |
| 1-3/4 to 2                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |
| OVER 2                          |                        |                  |                        |                      |                      |         |           |                 |      |                    |                          |                              |      |         |                               |                  |                      |                                                 |                                                                                                                                                  |

The number of homes, buildings, or other items in the floodplain downstream of the dam should be placed in the appropriate row and column to designate their location.

### Owner's Maintenance Statement

I, \_\_\_\_\_, owner of \_\_\_\_\_ dam,  
Dam Identification Number \_\_\_\_\_, in \_\_\_\_\_ County,  
am maintaining the dam in accordance with the accepted maintenance plan which is part of  
Permit Number \_\_\_\_\_.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

### Owner's Operation and Maintenance Plan Statement

I, \_\_\_\_\_, owner of \_\_\_\_\_ dam,  
Dam Identification Number \_\_\_\_\_, in \_\_\_\_\_ County,  
have reviewed the operation and maintenance plan including the Emergency Action Plan (EAP),  
which is part of, Permit Number \_\_\_\_\_.

I \_\_\_\_\_ have enclosed the appropriate revisions or  
\_\_\_\_\_ have determined that no revisions to the plan are necessary.

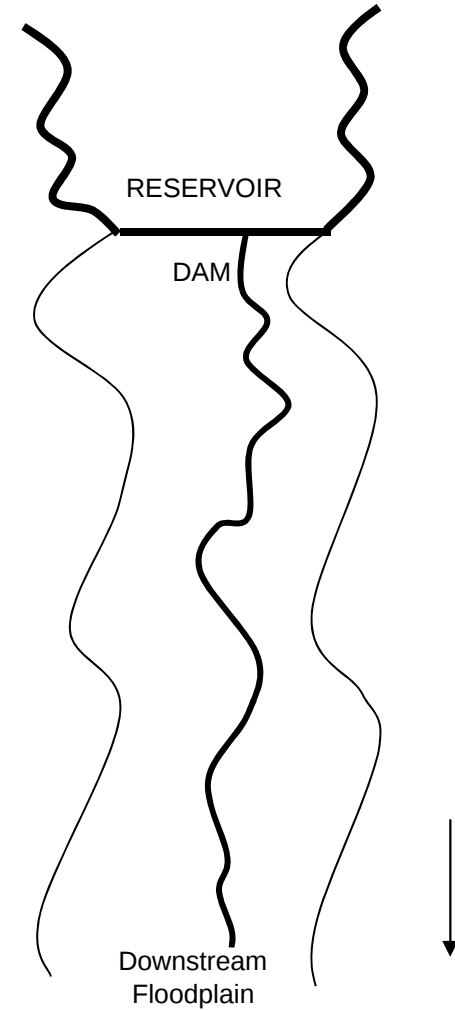
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

DOWNSTREAM DEVELOPMENT  
APPROXIMATE WIDTH OF AFFECTED FLOODPLAIN \_\_\_\_\_ MILES

| MILES<br>DOWNSTREAM<br>FROM DAM | DOWNSTREAM DEVELOPMENT |                  |                        |                      |                      |         |           |                 |      |                    | Loss of<br>Life<br>Potential |                          |      | Economic<br>Loss<br>Potential |         |                  |                      |                    |
|---------------------------------|------------------------|------------------|------------------------|----------------------|----------------------|---------|-----------|-----------------|------|--------------------|------------------------------|--------------------------|------|-------------------------------|---------|------------------|----------------------|--------------------|
|                                 | OCCUPIED HOMES         | UNOCCUPIED HOMES | AGRICULTURAL BUILDINGS | INDUSTRIAL BUILDINGS | COMMERCIAL BUILDINGS | SCHOOLS | HOSPITALS | ROADS & BRIDGES | DAMS | OVERHEAD UTILITIES | OTHER DEVELOPMENT (Name)     | OTHER DEVELOPMENT (Name) | NONE | 1 TO 10                       | OVER 10 | MINIMAL EXPECTED | APPRECIABLE EXPECTED | EXCESSIVE EXPECTED |
| 0 to 1/4                        |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| 1/4 to 1/2                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| 1/2 to 3/4                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| 3/4 to 1                        |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| 1 to 1-1/4                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| 1-1/4 to 1-1/2                  |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| 1-1/2 to 1-3/4                  |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| 1-3/4 to 2                      |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |
| OVER 2                          |                        |                  |                        |                      |                      |         |           |                 |      |                    |                              |                          |      |                               |         |                  |                      |                    |

SKETCH IN DEVELOPMENTS  
DOWNSTREAM OF THE DAM



The number of homes, buildings, or other items in the floodplain downstream of the dam should be placed in the appropriate row and column to designate their location.