



Surveillance Report - Type 3

Explanation

Section 15 of the Dams Safety Act 1978 permits the DSC to require owners of prescribed dams to make observations on their dams and to provide these to the DSC when required. The DSC's policy is to require Surveillance Reports for all prescribed dams at intervals not exceeding 5 years and Intermediate (Surveillance) Reports annually for prescribed dams on mine sites.

Type 3 Surveillance Reports (this form) are required for Significant Consequence Category dams up to 15m in height where non-itinerant persons are not at risk, and all Low Consequence Category dams over 15m in height. See Guidance Sheet DSC2C for further details.



DAM DATA

- Name of dam: _____
- Location of dam: (a) River, Stream: _____
(b) Nearest town: _____
- Dam owner: _____ Phone No: _____
Address: _____

Attach a completed D8 *Dam Owners Address Form*

4. Type of dam (Please Tick)



- | | | | |
|---|--------------------------|--|--------------------------|
| <u>Embankment</u> - Zoned Earthfill | <input type="checkbox"/> | <u>Concrete (or Masonry)</u> - Gravity | <input type="checkbox"/> |
| - Homogenous Earthfill | <input type="checkbox"/> | - Arch | <input type="checkbox"/> |
| - Earth & Rockfill | <input type="checkbox"/> | - Buttress | <input type="checkbox"/> |
| - Rockfill with impervious face (e.g. concrete) | <input type="checkbox"/> | - RCC | <input type="checkbox"/> |
| <u>Tailings Dams</u> - Upstream | <input type="checkbox"/> | | |
| - Centreline | <input type="checkbox"/> | | |
| - Downstream | <input type="checkbox"/> | | |

Combination of these or other types (tick all that apply and describe briefly):

13. Location and extent of any cracks or other defects in concrete/bitumen or other impervious upstream face:

14. Condition of embankment with regard to vegetation (eg. grass cover, presence of trees and bushes, impairment of rock protection, etc.):

15. Describe any leakage/seepage through dam, foundations or abutments (give location, quantity, clear or coloured):

Concrete or masonry dam

16. Location and extent of any defects such as cracks, surface deterioration, movement, etc:

17. Describe any leakage/seepage through dam, foundation or abutments (give location, quantity, clear or coloured):

18. Give details of any drains in the dam and state whether they are open or blocked. Are they flowing?

Spillway

19. Type of spillway and nature of discharge channel (e.g. grassed, rock, concrete lined, etc.):

20. Location and extent of any erosion:

21. Location and extent of any obstructions to flow (logs etc.):

22. Location and extent of any defects in concrete or masonry:

23. Give number, size, type and condition of any spillway gates or stoplogs (including operating facility):

24. Provide information on the highest flood (and date of occurrence) passed by the spillway including height relative to crest of dam. Is the spillway capacity considered adequate and basis of assessment?

Outlet works

25. General description:

26. State whether outlet works are in good working order. If not, give details:

INSTRUMENTATION, ROUTINE INSPECTIONS & TRAINING

27. Provide a brief description of instrumentation in dam (eg. seepage measurement weirs, piezometers, survey points, etc.) and frequency of measurement:

28. Do instruments indicate normal behaviour of dam? If not, give details:

29. At what frequency are routine visual inspections conducted (eg. weekly)? _____

30. Have all inspection personnel, who conduct routine inspections of the dam, completed a Dams Surveillance Training Course within the last 5 years? _____

CONSEQUENCE CATEGORIES

(Please refer to Guidance Sheet DSC3A for explanation).

31. State the adverse consequences which justify the Sunny Day Consequence Category:

32. State the adverse consequences which justify the Flood Consequence Category:

CONCLUSIONS & RECOMMENDATIONS

33. Is the dam considered to be in a safe condition? Are there any other matters within the owner's knowledge which could affect the safety of the dam?

34. State any Recommendations necessary to make the dam safe or address maintenance issues raised in the Report, & provide a program for implementation:

DOCUMENTATION

Advise on availability of the following:

- a) Design Report: _____
- b) Construction Report: _____
- c) Dam Safety Emergency Plan: _____

PHOTOGRAPHS & DRAWINGS

Please attach a minimum of 6 labelled photographs taken during the inspection, particularly areas commented on in the Report. Also include copies of any Design or Work-As-Executed Drawings available.

CERTIFICATION

This is to certify that the information submitted in this Report is true and is based on a recent inspection of the dam and is, to the best of my knowledge, true and correct.

Report prepared by:

Signature: _____

Name of person making inspection

(Occupation, e.g. civil engineer, manager, etc.)

Phone: _____

Mobile: _____

Email address: _____

Date: _____

Owner/Owner's Authorised Representative:

This is to certify that I have read the above Report and accept the findings.

Signature: _____

(Name of Owner/Owner's authorised representative)

Phone: _____

Mobile: _____

Email address: _____

Date: _____