## LESLIE DAM FLOOD EVENT REPORT

# **Emergency Event Recording Sheets**

- Description of the event
- Instrument readings, rainfall and levels data
- Description of Observed Damage
- Record of Communication sheet
- General comments & other issues
- Photos during & after event

Note: These sheets must be completed for all Emergency Event Scenarios and be included in the Emergency Event Report

Date: 27 os II JM Ship Ship II Ship II

# **Emergency Event Recording Sheets**

Description of the event

### **EMERGENCY EVENT RECORD**

COMPLETE THIS COVER SHEET AND ATTACH RELEVANT RECORDING SHEETS FROM SECTION 6.

| 1. | NATURE OF | THE EVENT | (circle the event) |
|----|-----------|-----------|--------------------|
|    |           |           |                    |

(Spillway discharge) Earthquake Piping Water Quality **Terrorist Activity** 

Commencing: Time 21:08 am/pm; Date 05:01:2011 Finishing: Time 2:00 am/pm; Date 17:01:0011

2. DESCRIPTION OF THE EVENT

Attach relevant sheets from Section 6.

#### 3. STATISTICS

| Total Inflow                        | No inflow gauges U/SMegalitres |
|-------------------------------------|--------------------------------|
| Total discharge                     | 79.104 - 1 Megalitres          |
| Capacity of Storage prior to Inflow | 60 %                           |
| Volume prior to inflow              | 64,260 Megalitres              |
| Maximum inflow No                   | inflow Gaves, U/S MLD          |
| Maximum discharge                   | 33586.7 MLD                    |

#### 4. EVENT PROGRESS

Attach copies of the Spillway Level versus Time Graph, the Record of Communication, the Log of Events / Actions, and Rainfall during a Flood Event. (Section 6A)

#### 5. GENERAL COMMENTS

include in this section any observations or comments regarding the Event, such as Equipment mattunctions, improved Reporting, Safety issues, or any suggestions Include in this section any observations or comments regarding the Event, such as Equipment manufactors, improved negligible such which may improve monitoring of the Event WATER LEVEL (NDICATOR (FAULTY))

OPERATION BUILDING IS ON LESLIE DAM DATA

HEADWATER GAUGE IS ON AUSTRALIAN HEIGH DATA.

#### DAMAGE REPORT

Detail any demage to the Embarkment, Spillway, Abulments or Stream bank in the devenstream area of the Dam. Attack photos. Erosion Down stream (please view photos)

Name: HIL MANN Signed:

Section 6: Page 3 of 5

Jan 08, Issue 2-0

**Emergency Event Recording Sheets** 

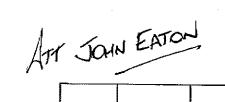
• Instrument readings, rainfall and levels data

|           |       |         |                   |                |      |      |      | -    |        |      |      | Total   |                 |                                     |
|-----------|-------|---------|-------------------|----------------|------|------|------|------|--------|------|------|---------|-----------------|-------------------------------------|
| İ         |       |         |                   | Total Measured |      |      |      |      | in met |      |      | Release | Tailwater gauge |                                     |
| Date      | Time  |         | Storage Volume ML | Inlow ML/D     | 1    | 2    | 3    | 4    | 5.     | 6    | 7    | ML/D    | board height    | Spillway Outlet Channel Performance |
| 5/01/2011 | 21:08 | 472.41  | 106200            |                |      |      |      |      |        |      |      |         | 0.387           |                                     |
| 5/01/2011 | 22:30 | 472.51  | 107546            | 1346           |      |      |      | 0.11 |        |      |      |         |                 |                                     |
| 5/01/2011 | 22:45 | 472.52  | 107676            | 130            |      |      |      | 0.11 |        |      |      |         | 2.89            |                                     |
| 5/01/2011 | 23:00 | 472.53  | 107805            | 129            |      |      |      |      | 0.07   |      |      |         |                 |                                     |
| 5/01/2011 | 23:10 | 472.54  | 107934            | 129            |      |      |      |      | 0.07   |      |      | 4437    | 2.13            |                                     |
| 5/01/2011 | 23:17 | 472.55  | 108064            |                |      |      |      |      | 0.07   |      |      | 5704    |                 |                                     |
| 5/01/2011 | 23:40 | 472.56  | 108194            |                |      |      |      |      | 0.26   |      |      | 6204    | 2.95            |                                     |
| 6/01/2011 | 0:10  | 472.57  | 108324            | 130            |      |      |      |      | 0.26   |      |      | 108B3   | 2.899           |                                     |
| 6/01/2011 | 2:00  | 472.56  | 108194            | 0              |      |      |      |      | 0.26   |      |      | 10440   |                 |                                     |
| 6/01/2011 | 4:00  | 472.55  | 108064            |                |      |      |      |      | 3.09   |      |      | 6663    | 2.8             |                                     |
| 6/01/2011 | 5:30  | 472.56  | 108194            | 130            |      |      |      |      | 0.29   |      |      | 10440   | 2.84            | •                                   |
| 6/01/2011 | 7:00  | 472.57  | 108324            | 130            | 0.07 | 0.29 | 0.30 | 0.30 | 0.30   | 0.29 | 0.07 | 12934.8 | 3.078           |                                     |
| 6/01/2011 | 9:40  | 472.58  | 108454            | 130            | 0.25 | 0.29 | 0.29 | 0.32 | 0.27   | 0.29 | 0.29 | 16804   | 3.309           |                                     |
| 6/01/2011 | 11:06 | 472.59  | 108623            | 169            | 0.25 | 0.29 | 0.29 | 0.54 | 0.27   | 0.29 | 0.29 | 17619   | 3.451           |                                     |
| 6/01/2011 | 11:53 | 472.6   | 108715            | 92             | 0.25 | 0.29 | 0.51 | 0.54 | 0.48   | 0.29 | 0.29 | 21101   | 3.696           |                                     |
| 6/01/2011 | 12:45 | 472.6   | 108715            | Ó              | 0.25 | 0.48 | 0.51 | 0.54 | 0.48   | 0.49 | 0.29 | 24754   | 3.927           |                                     |
| 6/01/2011 | 13:48 | 472.591 | 108597            | 0              | 0.25 | 0.48 | 0.51 | 0.66 | 0.48   | 0.49 | 0.29 | 26614   | 4.04            |                                     |
| 6/01/2011 | 17:30 | 472.48  | 107158            | 0              | 0.25 | 0.48 | 0.51 | 0.49 | 0.48   | 0.49 | 0.29 | 24754   | 3.927           |                                     |
| 6/01/2011 | 18:00 | 472.472 | 107029            | 0              | 0.25 | 0.31 | 0.51 | 0.49 | 0.48   | 0.31 | 0.29 | 21101   | 3.696           |                                     |
| 6/01/2011 | 18:10 | 472.462 | 106900            | 0              | 0.25 | 0.3  | 0.34 | 0.48 | 0.3    | 0.31 | 0.28 | 19025   | 3.55            |                                     |
| 6/01/2011 | 18:20 | 472.457 | 106770            | 0              | 80.0 | 0.3  | 0.34 | 0.31 | 0.3    | 0.3  | 0.1  | 7233    | 2.404           |                                     |
| 6/01/2011 | 19:00 | 472.448 | 106640            | 0              | 0.08 | 0.13 | 0.34 | 0.31 | 0.3    | 0.13 | 0.1  | 10616   | 2.865           |                                     |
| 6/01/2011 | 20:00 | 472,443 | 106640            | 0              |      |      |      |      | 0.13   |      |      | 8287    | 2.589           |                                     |
| 7/01/2011 | 0:01  | 472.437 | 106511            | 0              |      |      |      |      | 0.13   |      | 0.1  | 7016    | 2,412           |                                     |
| 7/01/2011 | 2:30  | 472.425 | 106380            | 0              | 0    |      |      |      | 0.13   |      |      | 5850    | 2.242           |                                     |
| 7/01/2011 | 6:00  | 472.418 | 106354            | 0              | 0    | 0    |      |      | 0.13   | 0    | 0    | 4119    | 1.954           |                                     |
| 7/01/2011 | 9:00  | 472.433 | 106549            | 0              | 0    | Ó    |      |      | 0.13   | 0    | 0    | 4119    | 1.95            |                                     |
| 7/01/2011 | 13:00 | 472.445 | 106705            | 0              | 0    | 0    |      |      | 0.13   | 0    | 0    | 4119    | 1.95            |                                     |
| 7/01/2011 | 18:00 | 472.459 | 106887            | 0              | 0    | 0    |      | 0.13 |        | 0    | 0    | 4119    | 1.95            |                                     |
| 7/01/2011 | 22:00 | 472.468 | 107003            | 0              | 0    | 0    |      |      | 0.13   | 0    | 0    | 4119    | 1.95            |                                     |
| 8/01/2011 | 0:01  | 472.565 | 106912            | 0              | 0    | 0    |      |      | 0.13   | Ō    | 0    | 4119    | 1.95            |                                     |
| 8/01/2011 | 4:00  | 472.455 | 106835            | 0              | 0    | Ō    |      |      | 0.13   |      | 0    | 4119    | 1.95            |                                     |
| 8/01/2011 | 8:00  | 472.441 | 106653            | 0              | 0    | 0    |      |      | D.13   |      | ō    | 3904    | 1.91            |                                     |
| 8/01/2011 | 9:00  | 472.439 | 106640            | 0              | 0    | o    | 0.13 |      | 0.13   | 0    | 0    | 3904    | 1.91            |                                     |
| 8/01/2011 | 14:00 | 472.416 | 106380            | 0              | 0    | 0    | 0    |      | 0.13   | 0    | 0    | 2538    | 1.649           |                                     |
| 8/01/2011 | 16:00 | 472.412 | 106276            | 0              | 0    | 0    | 0    | 0.13 | 1      | 0    | 0    | 1028    | 1.266           |                                     |
| 8/01/2011 | 18:00 | 472.413 | 106289            | 13             | 0    | 0    | 0    | 0.13 | 0      | 0    | Q    | 1028    | 1.266           |                                     |
| 8/01/2011 | 22:00 | 472.416 | 106380            | 91             | 0    | 0    | 0    | 0.13 | 0      | 0    | 0    | 1028    | 1.266           |                                     |

| GIGA IDGAA | 2.07 | 470 400 |        |     |     |          |          |      |    |          |   |      |       |
|------------|------|---------|--------|-----|-----|----------|----------|------|----|----------|---|------|-------|
| 8/01/2011  |      | 472.433 | 106511 | 131 | 0   | 0        | 0        | 0.13 | 0  | 0        | 0 | 1028 | 1.266 |
| 9/01/2011  | 1:00 | 472.46  | 106900 | 389 | i n | _        | _        | 0.12 | -  | <u> </u> | - |      |       |
| 9/01/2011  |      |         | ·····  |     | 1 0 | <u> </u> | <u> </u> | 0.15 | ٥. | U        | U | 1028 | 1.266 |
| 310172011  | 2:00 | 472.487 | 107158 | 258 | 0   | 0        | 0.       | 0.13 | 0  | 0        | 0 | 1028 | 1.266 |

| Date       | Time  | Storaga Laval | Stormen Visher 241          | Total Measured |      |      |      | ening | in me | tres |      | Total<br>Release | Tailwater gauge |          |
|------------|-------|---------------|-----------------------------|----------------|------|------|------|-------|-------|------|------|------------------|-----------------|----------|
| 9/01/2010  | 3.00  | 472.521       | Storage Volume ML<br>107676 | Inlow ML/D     | 1    | 2    | 3    | 4     | 5     | 6    | 7    | ML/D             | board height    | Spillway |
| 9/01/2011  | 3.30  | 472.54        | 107934                      |                | 0    | 0    | 0.11 |       | 0.07  | 4    | 0    | 3010             | 1.756           |          |
| 9/01/2011  | 3.35  | 472.54        | 107934                      |                | 0.00 |      | 0.12 |       | 0.08  | 0.10 | 0.00 |                  |                 |          |
| 9/01/2011  | 4.00  | 472.55        | 108064                      |                | 0.07 | 0.10 | 0.12 | 0.15  | 0.08  | 0.10 | 0.07 | 7016             | 2.412           |          |
| 9/01/2011  | 5.00  | 472.56        | 108194                      |                | 0.07 | 0.10 | 0.12 | 0.36  | 80.0  | 0.10 | 0.07 | 7109             | 2.424           |          |
| 9/01/2011  | 5.30  | 472.558       | 108064                      | <del></del>    | 0.07 | 0.10 | 0.32 | 0.36  | 0.36  | 0.10 | 0.07 | 9865             | 2.776           |          |
| 9/01/2011  | 7.30  | 472.541       | 107947                      |                | 0.10 | 0.10 | 0.30 | 0.36  | 0.31  | 0.10 | 0.10 | 9921             | 2.78            |          |
| 9/01/2011  | 8.00  | 472.543       | 107973                      |                | 0.10 | 0.10 | 0.10 | 0.10  | 0.10  | 0.10 | 0.10 | 60.57            | 2.271           |          |
| 9/01/2011  | 9.00  | 472.553       | 108099                      |                | 0.10 | 0.10 | 0.10 | 0.10  | 0.10  | 0.10 | .10. | 6057             | 2.271           |          |
| 9//01/11   | 18.00 | 472.403       | 106099                      |                | 0.10 | 0.10 | 0.34 | 0.33  | 0.29  | 0.10 | 0.10 | 10414            | 2.837           |          |
| 9/01/2011  | 18.25 | 472.399       | 105998                      |                | 0.10 | 0.10 | 0.20 | 0.20  | 0.20  | 0.10 | 0.10 |                  |                 |          |
| 9/01/2011  | 18.50 | 472.393       | 105988                      |                | 0.10 | 0.10 | 0.10 | 0.10  | 0.10  |      |      | 6057             | 2.271           |          |
| 9/01/2011  | 19.00 | 472.391       | 105988                      |                |      |      |      | 0.10  |       | 0.10 |      | 5469             | 2.181           |          |
| 9/01/2011  | 19.20 | 472.39        | 105988                      |                | 0.00 |      | 0.10 |       |       | 0.00 | 0.00 | 4119             | 1.952           |          |
| 9/01/2011  | 20.00 | 472.394       | 105988                      |                | 0_   | 0    | 0    | 0.1   | 0.1   | 0    | 0    | 2650             | 1.652           |          |
| 9/01/2011  | 21.00 | 472.4         | 106200                      |                | 0    | 0    | 0    | 0.1   | 0.1   | 0    | 0    | 2650             | 1.652           |          |
| 10/01/2011 | 0.01  | 472.405       | 106200                      |                | 0    | 0    | 0    | 0.1   | 0.1   | 0    | 0    | 2658             | 1.652           |          |
| 10/01/2011 | 1.00  | 472.412       | 106289                      |                | 0    | 0    | 0    | 0.1   | 0.1   | 0    | 0    | 2658             | 1.652           |          |
| 10/01/2010 | 9.30  | 472.441       | 106627                      |                |      | 0    | 0    | 0.1   | 0.1   | 0    | 0    | 2658             | 1.652           |          |
| 10/01/2011 | 12.00 | 472,469       | 107029                      |                | 0    | 0    | 0.1  | 0.1   | 0.1   | 0    | 0    | 2309             | 1.58            |          |
| 10/01/2011 | 13.00 | 472.487       | 107288                      | 5058           | 0    | 0.1  | 0.12 | 0.13  | 0.1   | 0.1  | 0    | 4806             | 2.082           |          |
| 10/01/2011 | 14.00 | 472.51        | 107546                      | 5188           | 0    | 0.1  | 0.12 | 0.13  | 0.1   | 0.1  | 0    | 4800             | 2.076           |          |
| 10/01/2011 | 15.00 | 472.54        | 107934                      | 6211           | 0    | 0.1  | 0.12 | 0.13  | 0.1   | 0.1  | 0    | 4800             | 2.076           |          |
| 10/01/2011 | 15.30 | 472.56        | 108194                      | 10670          | 0.1  | 0.1  | 0.1  | 0.1   | 0.1   | 0.1  | 0.1  | 6051             | 2.207           |          |
| 10/01/2011 | 15.35 | 472.578       | 108456                      | 12844          | 0.1  | 0.1  | 0.3  | 0.3   | 0.3   | 0.1  | 0.1  | 10414            | 2.837           |          |
| 10/01/2011 | 15.45 | 472.581       | 108460                      | 16928          | 0.1  | 0.3  | 0.3  | 0.3   | 0.3   | 0.3  | 0.1  | 12834            | 3.078           |          |
| 10/01/2011 | 16.05 | 472.59        | 108584                      |                | 0.3  | 0.3  | 0.3  | 0.3   | 0.3   | 0.3  | 0.3  | 16804            | 3.309           |          |
| 10/01/2011 | 16.45 | 472.597       | 108710                      | 17882<br>17751 | 0.3  | 0.3  | 0.3  | 0.5   | 0.3   | 0.3  | 0.3  | 17756            | 3.464           |          |
| 10/01/2011 | 17.15 | 472.595       | 108705                      |                | 0.3  | 0.3  | 0.3  | 0.5   | 0.3   | 0.3  | 0.3  | 17756            | 3.464           |          |
| 10/01/2011 | 18.00 | 472.597       | 108710                      | 17761<br>17630 | 0.3  | 0.3  | 0.3  | 0.5   | 0.3   | 0.3  | 0.3  | 17756            | 3.464           |          |
| 10/01/2011 | 19.00 | 472.588       | 108584                      | 1765           | 0.3  | 0.3  | 0.3  | 0.5   | 0.3   | 0.3  | 0.3  | 17756            | 3.464           |          |
| 10/01/2011 | 19.47 | 472.578       | 108454                      |                | 0.3  | 0.3  | 0.3  | 0.5   | 0.3   | 0.3  | 0.3  | 17895            | 3.472           |          |
|            |       |               | 100-10-1                    | 15827          | 0.3  | 0.3  | 0.3  | 0.3   | 0.3   | 0.3  | 0.3  | 16012            | 3.329           |          |

| 10/01/2011 | 21.00 | 472.565 | 108269 | 13165 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 | 13296 | 3.109 |
|------------|-------|---------|--------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|
| 10/01/2011 | 22.00 | 472.555 | 108128 | 10598 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 10794 | 2.877 |
| 11/01/2011 | 0.01  | 472,546 | 108012 | 8575  | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 8601  | 2.617 |
| 11/01/2011 | 1.00  | 472.554 | 107986 | 8709  | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.1 | 0.1 | 8601  | 2.617 |
| 11/01/2011 | 1.20  | 472.56  | 108194 | 10590 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 10528 | 2.854 |
| 11/01/2011 | 2.00  | 472.564 | 108256 | 10964 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 10883 | 2.892 |
| 11/01/2011 | 2.45  | 472,571 | 108337 | 13692 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 | 12949 | 3.078 |
| 11/01/2011 | 3.00  | 472,582 | 108480 | 14625 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 14495 | 3.211 |
| 11/01/2011 | 3.15  | 472.592 | 108610 | 17327 | 0.3 | 0.3 | 0.3 | 0.5 | 0.3 | 0.3 | 0.3 | 17209 | 3.422 |



| Date       | Time                                    | Starran i and |                   | Total Measured |      |          | rte Op |         |          |          |          | Total<br>Release | Tailwater gauge | -                                   |
|------------|---|---------------|-------------------|----------------|------|----------|--------|---------|----------|----------|----------|------------------|-----------------|-------------------------------------|
| 11/01/2011 | 3.23                                    | 472,601       | Storage Volume ML | O/JM wolni     | 1    | 2        | 3      |         |          |          | 7        | ML/D             | board height    | Spillway Outlet Channel Performance |
| 11/01/2011 | 3.42                                    | 472.616       | 108728<br>108924  | 21450          | 0.3  |          | 0.5    | 0.5     | 0.5      | 0.3      | 0.3      | 21254            | 3.699           |                                     |
| 11/01/2011 | 3.50                                    | 472.625       | 109042            | 24403          | 0.30 | 0.50     | 0.50   | 0.50    | 0.5      | 1 0.5    | 0.30     |                  | 3.892           |                                     |
| 11/01/2011 | 4.00                                    | 472.637       | 109200            | 27569<br>31169 |      |          |        |         |          |          | 0.50     |                  | 4.094           | • •                                 |
| 11/01/2011 | 4.12                                    | 472.645       | 109304            | 35211          | 0.50 | 0.50     | 0.50   | 0.80    | 0.50     | 1 0.5    | 0.50     | 31065            | 4.308           |                                     |
| 11/01/2011 | 4.22                                    | 472.65        | 109371            |                |      |          |        |         |          |          | 0.50     |                  | 4.539           |                                     |
| 11/01/2011 | 4,40                                    | 472,665       | 109567            |                | 0.00 | 0.00     | 0.00   | 0.80    | 0.80     | 0.8      | 0.50     |                  | 4.804           |                                     |
| 11/01/2011 | 5.03                                    | 472.677       | 109735            |                |      |          |        |         |          |          | 0.80     |                  | 5.114           |                                     |
| 11/01/2011 | 5.10                                    | 472,684       | 109818            |                |      |          |        |         |          |          | 0.80     |                  | 5.237           |                                     |
| 11/01/2011 | 5.32                                    | 472.695       | 109963            |                |      |          |        |         |          |          | 0.60     |                  | 5.444           |                                     |
| 11/01/2011 | 5.45                                    | 472.699       | 110017            |                |      |          |        |         |          |          | 1.20     |                  | 5.734<br>5.847  |                                     |
| 11/01/2011 | 6.00                                    | 472.698       | 110004            |                | 1.20 | 1.20     | 1.20   | 1.20    | 1.4      | 11.2     | 1.20     | 63914            |                 |                                     |
| 11/01/2011 | 7.45                                    | 472673        | 109634            |                | 0.00 | 1 20     | 1.20   | 1.20    | 1.2      | 1 1 7    | 0.80     | 03819            | 5.847           |                                     |
| 11/01/2011 | 9.00                                    | 472.644       | 109291            |                | 1.2  | 1.20     | 1.2    | 12      | 1 2      | 1.2      | 1.2      |                  |                 | matter CBU F GG                     |
| 11/01/2011 | 9.30                                    | 472.608       | 108820            |                | 1.2  |          | 1.2    | 16      | 1 2      | 1.2      | 1.2      |                  | գրչու           | ox t/w GBH 5.90                     |
| 11/01/2011 | 12.00                                   | 472.455       | 106835            |                | 1.2  | 1.2      |        | 1.2     |          |          |          |                  | <del> </del>    |                                     |
| 11/01/2011 | 12.30                                   | 472.405       | 106183            |                | 0.4  |          |        |         |          | 0.8      |          |                  |                 |                                     |
| 11/01/2011 | 13.30                                   | 472.387       | 105949            |                | 0.4  | 0.8      |        |         |          |          |          | -                |                 |                                     |
| 11/01/2011 | 16.30                                   | 472.346       | 105420            |                | 0    | 0.8      |        |         |          | 0.8      |          |                  |                 |                                     |
| 11/01/2011 | 17.30                                   | 472.333       | 105249            |                | 0    | 0.5      | 0.5    |         |          |          |          | <del></del>      |                 |                                     |
| 11/01/2011 | 18.00                                   | 472.338       | 105318            |                | 0    | 0.1      | 0.5    |         | 0.5      |          |          |                  |                 |                                     |
| 11/01/2011 | 20.00                                   | 472,421       | 106393            |                | 0    | 0.1      |        | 0.5     |          |          |          |                  |                 |                                     |
| 11/01/2011 | 21.00                                   | 472.457       | 106861            |                | 0    | 0.1      |        |         | 0.5      |          |          |                  |                 |                                     |
| 11/01/2011 | 22.00                                   | 472.483       | 107197            |                | 0    | 0.1      | 0.5    | 0.5     | 0.5      | 0.5      | 0        |                  |                 |                                     |
| 11/01/2011 | 23.00                                   | 472.502       | 107433            |                | 0    | 0.1      | 0.5    |         |          |          | 0        |                  |                 |                                     |
| 12/01/2011 | 0.01                                    | 472.512       | 107572            |                | 0    | 0.1      | 0.5    | 0.5     | 0.5      |          |          |                  |                 |                                     |
| 12/01/2011 | 1.00                                    | 472.516       | 107624            |                | 0    | 0.1      | 0.5    |         |          | 0.5      |          |                  |                 |                                     |
| 12/01/2011 | 2.00                                    | 472.515       | 107611            |                | 0    | 0.1      |        |         | 0.5      | 0.5      |          |                  |                 |                                     |
| 12/01/2011 | 3.00                                    | 472.509       | 107611            |                | 0    | 0.1      | 0.5    | 0.5     | 0.5      |          |          |                  |                 |                                     |
| 12/01/2011 | 4.00                                    | 472.501       | 107430            |                | 0    | 0.1      | 0.5    |         |          | 0.5      |          |                  |                 |                                     |
| 12/01/2011 | 5.00                                    | 472.498       | 107391 .          |                | 0    | 0.1      | 0.5    | 0.5     | 0.5      | 0,5      | 0        |                  |                 |                                     |
| 12/01/2011 | 6.00                                    | 472.475       | 107094            |                | 0    | 0.1      |        |         |          | 0.5      |          | 10973            | 2.9             |                                     |
| 12/01/2011 | 7.00                                    | 472.448       | 106744            |                | 0    | 0.1      | 0.5    | 0.5     | 0.5      | 0.5      | 0        | 10973            | 2.9             |                                     |
| 12/01/2011 | 8.00                                    | 472.44        | 106610            |                | 0    | 0.1      |        |         |          | 0.3      | 0        | 8055             | 2.55            |                                     |
| 12/01/2011 | 9.00                                    | 472.427       | 106471            |                | 0    | 9        | 0.1    | 0.1     | 0.1      |          | 0        | 3009             | 1.73            |                                     |
| 12/01/2011 | 10.00                                   | 472.436       | 106588            |                | 0    | 0        |        | 0.1     |          | _        | 0        | 3009             | 1.73            |                                     |
| 12/01/2011 | 12.00                                   | 472.45        | 106770            |                | 0    | 0        |        | 0.1     | 0.1      | Û        | 0        | 3009             | 1.73            |                                     |
| 12/01/2011 | 14.00                                   | 472.46        | 106900            |                | 0    | 0        | 0.1    | 0.1     | 0.1      | 0        | 0        | 3009             | 1.73            |                                     |
| 12/01/2011 | *************************************** |               |                   |                |      |          |        |         |          | <u> </u> | <u></u>  |                  |                 |                                     |
| 12/01/2011 |   |               |                   |                |      | <b></b>  | L      | <u></u> | <u> </u> | <u></u>  | <u> </u> |                  |                 |                                     |
| 12/01/2011 |   | <u> </u>      | <u></u>           |                |      | <u> </u> |        |         | <u> </u> | 1        | <u></u>  | L                |                 |                                     |

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|  |       | <u>!</u>      |                   |                |   |              |  |  |     |          |  | Total  |                 | •                                   |
| _  |       |               |                   | Total Measured |   |              |  | ening  |     |          |  | Release  | Tailwater gauge | •                                   |
| Date   | Time  | Storage Level | Storage Volume ML | Inlow ML/ID    | 1 | 2            | 3  | 4  | 5   | 6        | 7  | ML/D   | board height    | Spillway Outlet Channel Performance |
| 12/01/2011                                       | 18.01 | 472.475       | 107093            |                | 0 | 0            | 0.1  | 0.1  | 0.1 | 0        | 0  | 3009   | 1.73            |                                     |
| 12/01/2011                                       | 23.01 | 472.48        | 107158            |                | 0 | 0            |  | 0.2  | 0.1 | 0        | 0  | 3904   | 1.91            |                                     |
| 13/01/2011                                       | 0.15  | 472.499       | 107404            |                | 0 | 0            | 0.1  | 0.3  | 0.1 | 0        | 0  | 4858   | 2.08            | ·                                   |
| 13/01/2011                                       | 0.3   | 472.459       | 106887            |                | 0 | 0            | 0.1  | 0.3  | 0.1 | 0        | 0  | 4858   | 2.08            |                                     |
| 13/01/2011                                       | 8.01  | 472.428       | 105484            |                | 0 | 0            | 0.1  | 0.3  | 0.1 | 0        | 0  | 4858   | 2.08            |                                     |
| 13/01/2011                                       | 8.31  | 472.423       | 106419            |                | 0 | 0            | 0.1  | 0.2  | 0.1 | 0        | 0  | 3904   | 1.91            |                                     |
| 13/01/2011                                       | 10.15 | 472.416       | 106328            |                | 0 | 0            | 0.1  | 0.2  | 0   | 0        | 0  | 3009   | 1.73            |                                     |
| 13/01/2011                                       | 11.1  | 472.412       | 106276            |                | 0 | 0            | 0.1  | 0.2  | 0   | 0        | 0  | 1854   | 1.45            |                                     |
| 13/01/2011                                       | 17.01 | 472.415       | 106315            |                | 0 | 0            | 0  | 0.2  | 0   | 0        | 0  | 1854   | 1.45            |                                     |
| 13/01/2011                                       | 17.31 | 472.412       | 106276            |                | O | Ò            | 0  | 0.2  | 0   | 0        | 0  | 1854   | 1.45            |                                     |
| 13/01/2011                                       | 18.01 | 472.411       | 106200            |                | 0 | Û            | 0  | 0.1  | 0   | 0        | ٥  |  |                 | •                                   |
|  |       |               |                   |                |   |              |  |  |     |          |  |  |                 |                                     |
|  |       |               |                   |                |   |              |  |  |     |          |  |  |                 |                                     |
|  |       |               |                   |                |   |              |  |  |     |          |  |  |                 |                                     |
|  |       |               |                   |                |   |              |  |  |     |          |  |  |                 |                                     |
|  |       |               |                   |                |   |              |  |  |     |          |  |  |                 |                                     |
|  |       |               |                   |                |   |              |  |  |     |          |  |  |                 |                                     |
|  |       |               |                   | :              |   |              |  |  |     |          |  |  |                 |                                     |
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# **Emergency Event Recording Sheets**

• Description of Observed Damage



Undermining of spillway area



Down stream access bridge damaged and blocked with debris



Signage damage down stream



Fencing damage down stream

## LESLIE DAM EAP

## Flood Operation

| LESLIE DAM EAP   |   |                  |  |  | FI    | ood Operal                             | ion                                     |
|--|---|------------------|--|--|-------|--|---|
| Visual Inspection and Storage Rep<br>Note: Refer to Page 2 for recording |   | *                |  | بد   |       | Date: 12                               | /01/11                                  |
|  | SUN   | MON              | · TUE  | WED  | ΤH    | U FRI                                  | SAT                                     |
| Stored Water Level FSL 472.41m   |   |                  |  | 472.475  |       |  |   |
| tail Water Level (m)   |   |                  |  | 2.90   | •     |  |   |
| Dally Rainfall (mm) Morning 9am  |   |                  |  | 10.2   |       |  |   |
| Evening 3pm  |   |                  |  | _/~  |       |  |   |
| NORMAL FLOOD OPERATION<br>EL 471,91 m and rising                         | 1   | AGE 1<br>72.41 m | EL 47  | STAGE 2<br>2.41-EL 473.2   | 4 m   |  | AGE 3<br>-EL 473.63m                    |
|  | Morning                                     |                  | (Tick if G   | ates are Closed)   | ·     |  |   |
|  | Evening                                     |                  | (Tick If G   | ates are Closed)   |       |  |   |
| VISUAL   | INSPECT                                     | ION              |  | Firs<br>Inspec   | tion  | Second<br>Inspection<br>14:00          | Third<br>Inspection<br>(+12 hrs)        |
| Snillway Channel   | (Walk OR Driv                               | e at 10 km/hour. | Write 'W' for wall   | and 'D' for Drive  | )     | /                                      | ·                                       |
| Obilital America   | osion, dama                                 |                  | .'   |  |       | M                                      |   |
| Irrigation Control Structure   |   |                  |  |  |       | W                                      |   |
|  |   | s, concrete      | deterioratio   | n  |       | <u>L</u>                               |   |
| Embankments  |   |                  | in paveme  |  |       | _W                                     |   |
| Upstream Face  | Cracks,                                     | SUUSINEITLE      | (Use binocular   |  |       | W                                      |   |
|  |   |                  | Settleme   | nt   |       | مما                                    | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| <u> </u>   | Displac                                     | ement of ri      | prap materi  | al   |       | 1                                      |   |
| Downstream face  | Sul   | nsidence si      | lides, erosic  | <u> </u>   |       | W                                      |   |
|  | <del>, , , , , , , , , , , , , , , , </del> |                  | n of seepag  |  |       | YES (NILL)                             |   |
| Area Downstream of Dam   |   |                  | * * # : * .  |  |       | W                                      |   |
| Seepage from ar  |   | part from s      | eepage pol   | nt   |       |  |   |
| occpage  | age water C                                 |                  | the state of the s | (r)  |       | -W                                     |   |
| Cocp   | -Se warer /                                 |                  | of river outle   | in all transfers to the contract of the contra |       | Discharge                              | MID                                     |
| Details of significant changes. New                                      | occurrences a                               |                  |  |  |       |  | A SEPTIM                                |
| TREE HEDGED UND<br>OLD TAILWATER   | er les                                      | LIE D            | and Be   | IDGE, K  |       |  |   |
| EROSION ON RH  |   |                  |  |  |       |  | ATION                                   |
| AREA, UNDER  |   |                  |  |  |       |  |   |
| BEEN WASHEL  |   | (OC € 3          | NHE  | CE 7   | Œ     | J MAV                                  | €                                       |
|  | **********                                  | **************   | 12*111111111111111111111111111111111111  | ***********  | ***** | ************************************** | ***************                         |
|  | In  |                  | ficer's initial  | Asset En   |       | ng Manager / Se                        | rvice Delivery                          |
|  |   |                  | f faxed)   | Manager<br>Principal   |       | er (Dam Safety)                        |   |

Sunwater

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## LESLIE DAM EAP

## Flood Operation

| LESLIE DAM EAP  |   |              |                     |                        | Floc                                    | od Operatio                          | on                                |       |  |  |  |  |  |
|---|---|--------------|---------------------|------------------------|---|--------------------------------------|-----------------------------------|-------|--|--|--|--|--|
| Visual Inspection and Storage Repo  |   | Y            |                     |                        |   | Date: 13/0                           | 1/11                              |       |  |  |  |  |  |
|   | SUN   | MON          | TUE                 | WED                    | THU                                     | FRI                                  | SAT                               |       |  |  |  |  |  |
| Stored Water Level FSL 472.41m  |   | 19711        |                     |                        | 472.43                                  | 39                                   |                                   |       |  |  |  |  |  |
| tail Water Level (m)  |   |              |                     |                        | 1.91                                    |                                      |                                   |       |  |  |  |  |  |
| Daily Rainfall (mm) Morning 9am   |   |              |                     |                        | NIL                                     |                                      |                                   |       |  |  |  |  |  |
| Evening 3pm   |   |              |                     |                        | NK                                      |                                      |                                   | 1     |  |  |  |  |  |
| NORMAL FLOOD OPERATION  | ST  | AGE 1        |                     | STAGE 2                | 1                                       | STAG                                 |                                   |       |  |  |  |  |  |
| EL 471.91 m and rising  | EL 4  | 72,41 m      | EL 472              | .41-EL 473.2           |   | EL 473.24 E                          |                                   |       |  |  |  |  |  |
|   | Morning   |              | (Tick if Ga         | tes are Closed)        | )                                       | 3GATES<br>OPEN.                      | 11.10 AM<br>13-1-11<br>1 GATE 101 | ran ( |  |  |  |  |  |
| Evening (Tick If Gates are Closed) 200  |   |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
| Evening (Tick If Gates are Closed) 200 First Second Third   |   |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
| VISUAL INSPECTION Inspection Inspection (+12 hrs)   |   |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
| (Walk OR Drive at 10 km/hour, Write 'W' for walk and 'D' for Drive)   |   |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
| Spillway Channel  |   |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
| Irrigation Control Structure  | Erosion, damage to concrete structure   |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
|   | Crack   | s, concrete  | deterioration       |                        |   | 1                                    |                                   |       |  |  |  |  |  |
| Embankments   | Cracks  | subsidence   | in paveme           | W W                    |   | <u>w</u>                             |                                   | 1 1   |  |  |  |  |  |
| Upstream Face   | Ordono  |              | (Use binocular      | s) 1/1/                |   | W                                    |                                   |       |  |  |  |  |  |
|   | <b>D</b> :  |              | Settleme            |                        |   |                                      |                                   | -     |  |  |  |  |  |
| Downstream face   | Displac   | ement of ri  | prap materi         | W                      |   | W                                    |                                   | 1     |  |  |  |  |  |
| DOWNSON CALL TAKES  | Su  |              | lides, erosic       | n ,                    |   | Y                                    |                                   |       |  |  |  |  |  |
|   | , , , , , , , , , , , , , , , , , , ,   | Sig          | n of seepag         | e <i>YES (</i>         | MIL)                                    | YES (MIL)                            |                                   |       |  |  |  |  |  |
| Area Downstream of Dam<br>Seepage from a  | ny location a   | apart from s | eepage poi          | 1t /                   |   |                                      |                                   |       |  |  |  |  |  |
| Seepage   |   |              |                     | <u> </u>               |   | W                                    |                                   |       |  |  |  |  |  |
| Seep  | age water (   | 100          | bid (Tick for clear |                        | i i                                     | Discharge 39                         | ov MLD                            | 1     |  |  |  |  |  |
| Details of significant changes. New   | OCCUTTANCES :   |              | of river outle      |                        |   | Alectronia 23                        | UILL/                             | 1     |  |  |  |  |  |
| SPILL WAY CHAN  |   |              |                     |                        | GE, S                                   | OME EX                               | COSION                            |       |  |  |  |  |  |
| HHERE TREES H   | ME BE   | EN W         | ASHED               | 007,                   | 44\$                                    | ALONG                                | EDGES.                            |       |  |  |  |  |  |
| DF CREEK  |   | .,           |                     |                        | روزورورورورورورورورورورورورورورورورورور | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                   |       |  |  |  |  |  |
| DOUNSTEEAM  | Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Discharge 3904 MLD  Details of significant changes. New occurrences and issues warranting further attention  SPILLNAY CHANNEL NO CONCRETE DAMAGE, SOME EROSON  HHERE TREES HAVE BEEN WASHED OUT AND ALONG EDGES.  DE CREEK  DOUNSTREAM FACE NO SUBSIDENCE SUBS EKOSION.  THERE ARE SIGN'S OF SEEPAGE, NO VOETEXING IN STORIGE  SPILLNAY CHANNEL NILL BE BETTER CHECKED WHEN  Principal Engineer (Dam Safety) |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
| SPILLMAY CHAN   |   |              |                     |                        |   |                                      |                                   |       |  |  |  |  |  |
| RELEASE IS  |   |              | Section             | Service Control (1977) |   |                                      | កាលជាតិសំណីកណី<br>លាយសាលាល        |       |  |  |  |  |  |
| minimum the state of the state |   |              | fficer's initia     |                        |   |                                      | - P B                             | 1     |  |  |  |  |  |
|   |   | (tick        | Fax to              | Manag                  | <u>jer</u>                              | g ivianager / Se<br>or (Dam Salety)  | rvice Delivery                    | _     |  |  |  |  |  |
|   |   |              | ·                   | 2                      |   |                                      |                                   |       |  |  |  |  |  |

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| LESLIE DAN | A۱ | EΑ | P |
|------------|----|----|---|
|------------|----|----|---|

Flood Operation

Visual Inspection and Storage Report

06/01/4

| Note: Refer to Page 2 for recording  | mstructions *                              | *                                       |   |                |                   |   | Date                      |               |                                       |
|--|--|---|---|----------------|-------------------|---|---------------------------|---------------|---------------------------------------|
| · · · · · · · · · · · · · · · · · · ·  | SUN  | MON                                     | TUE                                     | WED            | TI                | -IU                                     | FRI                       |               | SAT                                   |
| Stored Water Level FSL 472.41m   |  |   |   | 472,51         | 472               | 2.57                                    | 472.4                     | 3             |                                       |
| tail Water Level (m)   |  |   | P.4.4                                   |                | 3.                | 05                                      | 7                         |               |                                       |
| Dally Rainfall (mm) Morning 9am  |  |   |   |                | 34                | .4                                      |                           |               |                                       |
| Evening 3pm  |  |   |   |                |                   |   | ļ                         |               |                                       |
| NORMAL FLOOD OPERATION   | 07   | ACE 4                                   |   |                | <u></u> ,         |   |                           |               |                                       |
| EL 471.91 m and rising   | <b>{</b>                                   | AGE 1<br>72.41 m                        |   | TAGE 2 -       |                   |   | STAC                      |               | 60                                    |
|  | polysi                                     | I BOTT I III                            | Into 1713                               | 441.EF AL      | 3,24 111          |   | L 473.24 -                | <u>=L 4/3</u> | ,oum                                  |
|  | Morning                                    | .1                                      | (Tick if Ga                             | ites are Close | ed)               | Gate                                    | es Open                   |               |                                       |
|  | Evening                                    | 22/30                                   | ) (Tick If Ga                           | tes are Close  | d)                |   |                           |               |                                       |
| *****  | 1 h E etc 100 mm en en                     |   |   | F              | irst              | 5                                       | Second                    | Т             | hird                                  |
| VIŞUAL   | INSPECT                                    | ION                                     |   | insp           | ection            |   | spection                  |               | ection                                |
|  | (Malk OR Driv                              | e at 10 km/hour. V                      | Melta MAP for wolk                      | 5,043          |                   |   | 130                       | (+1           | 2 hrs).                               |
| pillway Channel  | (water Old Dille                           | car io knimour. V                       | ,                                       |                | W                 | ľ                                       | W                         | W             | Ø                                     |
| Erc  | osion, dama                                | ge to concre                            | ete structur                            |                | <del>&gt;</del>   |   | ~                         | - T           |                                       |
| rigation Control Structure.  |  |   |   |                | W                 |   | W                         | W             |                                       |
|  | Crack                                      | s, concrete o                           | <u>deterioratio</u>                     |                | ✓                 |   | ✓ .                       | سما           | _                                     |
| mbankments   | <u> </u>                                   | · · · · · · · · · · · · · · · · · · ·   | <b>!</b>                                |                | W                 |   | W                         | W             |                                       |
| pstream Face   | Cracks, s                                  | subsidence                              | ın pavemer<br>Use binoculars)           |                | <del>V</del><br>W |   | W                         | 1.7           |                                       |
| Joseph Marie |  |   | Settlemer                               |                | <u>√</u>          |   | VV<br>✓                   | W             |                                       |
|  | Displac                                    | ement of rip                            |   |                | 7                 |   | ~                         | <u>.</u>      | · · · · · · · · · · · · · · · · · · · |
| ownstream face   |  |   |   |                | W                 |   | W                         | W             |                                       |
|  | Sub  | sidence, sli                            |   |                | <u> </u>          |   | Ý.                        | <b>'</b> /    |                                       |
| rea Downstream of Dam  |  | Sign                                    | of seepag                               |                |                   | YES                                     | (NIL)                     |               | SHIC                                  |
| Seepage from an  | v location a                               | nart from se                            | enade noin                              |                | /W<br>✓           |   | Ď₩                        | D/W           |                                       |
| eepage   | y 100001101110                             | part noth so                            | epage poil                              |                | N                 |   | W                         | W             |                                       |
| Seepa  | age water C                                | lear or Turb                            | id (Tick for clea                       | 1              | <u> </u>          |   | ~                         |               |                                       |
|  |  | Condition o                             |   |                | /                 | Disch                                   | arge                      | 10440         | MLD                                   |
| etalls of significant changes. New o   | occurrences ar                             | id issues warr                          | anting further                          | attention      | ************      | • |                           |               |                                       |
|  | ******************                         |   |   | 1414444        |                   |   |                           |               |                                       |
|  | #1 ( 4 * * * * * * * * * * * * * * * * * * | *************************************** | *************************************** | *****          | ********          |   | ****************          |               | *******                               |
|  | ***************************************    |   |   | 12212222414444 |                   |   | **************            |               |                                       |
|  | Ins  | pecting Offi                            | cer's initials                          | ###<br>\$      |                   |   |                           |               | ľ                                     |
|  | ,  |   | ax to                                   | Asset<br>Manag | e                 |   | nager / Serv<br>m Safety) | ice De        | ivery                                 |

ounwater

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| all Water Level (m)  Dally Rainfall (mm) Morning 9am  Evening 3pm  NORMAL FLOOD OPERATION EL 471,91 m and rising  Morning  VISUAL INSPECTION  Evening  VISUAL INSPECTION  Evening  (Walk OR Drive at 10 km/hour, Write W for walk and 10 for Drive 20 / 200 / 300 / 400  | LESLIE DAM EAP   |   | - h  |  |                 | Flo           | od Operat                  | ion                     |
|--|--|---|--|--|-----------------|---------------|----------------------------|-------------------------|
| Stored Water Level FSL 472.41m    All Water Level   (m)  | Visual Inspection and Storage Rep<br>Note; Refer to Page 2 for recording | oort<br>g instructions *                | * <b>*</b>   |  |                 |               | Date:                      |                         |
| Stored Water Level FSL 472.41m    All Water Level   (m)  |  | SUN                                     | MON  | TUE  | WED             | THU           | FRI                        | SAT                     |
| Sepage water Clear or Turbid (Tick for clear)   Sepage (ML)   Sepage (   | Stored Water Level FSL 472.41m   |   |  |  |                 | 11.0          |                            |                         |
| Daily Rainfall (mm) Morning 9am   Evening 3pm   Daily Rainfall (mm) Morning 3pm   Daily Rainfall (mm) Morning   STAGE 1   STAGE 2   STAGE 3   EL 472.41 m   EL 473.24 m   EL 473.24 m   EL 473.24 m   EL 473.24 - EL 473.24    | tail Water Level (m)   | *************************************** |  |  |                 | <u> </u>      |                            |                         |
| Evening 3pm  NORMAL FLOOD OPERATION STAGE 1 EL 472.41 m EL 473.24  | Dally Rainfall (mm) Morning 9am  |   |  |  |                 |               | 7-7-3                      |                         |
| NORMAL FLOOD OPERATION EL 471.91 m and rising EL 472.41 m EL 472.41 m EL 473.24 m EL 473.63 m Morning / (Tick if Gates are Closed)  VISUAL INSPECTION First Inspection Inspection (42 ms)  (Walk CR Drive at 10 km/hour, Write W for walk and 10 for Drive 2000 1800 1900 1900 1900 1900 1900 1900 1   |  | ·                                       |  | •  |                 | <u> </u>      | 20.4                       | -                       |
| Morning  | NORMAL FLOOD OPERATION   |   |  | El. 472  |                 |               |                            |                         |
| VISUAL INSPECTION    First   Inspection   In |  |   |  |  |                 |               | mm rt wind -               | 77 3,0311               |
| VISUAL INSPECTION  Inspection (15 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Position Control Structure (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs)  (Walk OR Drive at 10 km/hour, Write W for walk and D for Drive (12 hrs |  | Evening                                 | J  | (Tick If Ga  | tes are Closed) |               |                            |                         |
| Erosion, damage to concrete structure  Cracks, concrete deterioration  Cracks, subsidence in pavement  Displacement of riprap material  Subsidence, slides, erosion  Sign of seepage  Seepage from any location apart from seepage point  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Erosion, damage to concrete structure  W W W  W  W  W  W  W  W  W  W  W  W  W   | VISUAL   | ·                                       |  | State Hadda  | Inspec<br>-07:0 | tion          | Inspection (16 inspection) | Inspection<br>(+12 hrs) |
| Erosion, damage to concrete structure  Cracks, concrete deterioration  Cracks, concrete deterioration  Cracks, subsidence in pavement  Cracks, subsidence in pavement  Displacement of riprap material  Cownstream face  Subsidence, slides, erosion  Sign of seepage  Seepage from any location apart from seepage point  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet   | Spillway Channel   | (Walk OR DIN                            | e at 10 km/nour, v                                       | write 'vv' for walk                                    |                 |               | 1000                       |                         |
| Cracks, concrete deterioration  Cracks, subsidence in pavement  Cracks, subsidence in pavement  Cracks, subsidence in pavement  Displacement of riprap material  Cownstream face  Subsidence, slides, erosion  Sign of seepage  Seepage from any location apart from seepage point  Seepage  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Condition of river outlet  Cracks, concrete deterioration  W  W  W  W  W  W  W  W  W  W  W  W  W   | Erc  | osion, dama                             | ge to concre   | ete structur   | 9 1/            |               | ~ ~                        | 7                       |
| Cracks, subsidence in pavement    Displacement of riprap material  | rrigation Control Structure  | <u> </u>                                |  |  | W               |               | V                          | W                       |
| Cracks, subsidence in pavement    Displacement   Cracks, subsidence in pavement   Cracks, subsidence in pavement   Cracks, subsidence   |  |   |  | <u>deterioratio</u>                                    |                 |               | <u>v,</u>                  | <u> </u>                |
| Displacement of riprap material   Disp   | Invankments  |   |  | in navonon   |                 |               |                            | W                       |
| Settlement  Displacement of riprap material  Subsidence, slides, erosion  Sign of seepage  VES (ML)  Seepage from any location apart from seepage point  Seepage  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Discharge  MLD  | Upstream Face  | Oracits, s                              | subsiderice i  |  |                 |               | ·····                      | 10/                     |
| Displacement of riprap material  Subsidence, slides, erosion  Sign of seepage  VES (NIL)  Seepage from any location apart from seepage point  Seepage  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Discharge  MLD   |  |   |  |  |                 |               | VV                         | - rv                    |
| Subsidence, slides, erosion  Sign of seepage  VES (NIL)  Seepage from any location apart from seepage point  Seepage  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Discharge  MLD  |  | Displac                                 | ement of rip   | rap materia  | 1               |               | <b></b>                    | -                       |
| Sign of seepage VES (NIL)  | Downstream face  | , |  |  | W               |               | W                          | W                       |
| Seepage from any location apart from seepage point  Seepage  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Discharge  MLD   |  | Sub                                     |  |  |                 | <u> </u>      |                            |                         |
| Seepage from any location apart from seepage point  eepage  Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet  Discharge  MLD  | Area Downstream of Dam   |   |  | or seepage   |                 | <u>~'L)</u> _ |                            |                         |
| Seepage Seepage water Clear or Turbid (Tick for clear) Condition of river outlet Discharge MLD   |  |   | part from se   | epage poin   | 1 // 1          |               | ~/->                       |                         |
| Seepage water Clear or Turbid (Tick for clear)  Condition of river outlet Discharge MLD  | Seepage  |   |  |  | N               |               |                            | /                       |
| Condition of river outlet   Discharge MLD etails of significant changes. New occurrences and issues warranting further attention   | Seepa  | age water C                             | ear or Turb  | id (Tick for clear                                     | ) -             |               | ~                          | ~                       |
| etails of significant changes. New occurrences and issues warranting further attention   |  |   | Condition o  | f river outle  | t l             | Ē             | ischarge                   | MLD                     |
|  | Seepage from an<br>Seepage<br>Seepa                                      | y location a                            | Sign<br>j<br>part from se<br>lear or Turb<br>Condition o | of seepage epage poin id (Tick for clear f river outle | VESTON NO.      |               | W/5 /                      | Yes<br>N/D              |
|  |  |   |  |  |                 | • • • • •     |                            |                         |
|  |  | *****************                       | 4-4  | ****************                                       | *(*/*/1010)     |               |                            |                         |
|  | *******************************  |   |  | *************  |                 |               | ****************           | *************           |
|  |  |   |  |  |                 |               |                            |                         |
|  | ***************************************                                  | ***************                         | 1841/4444444444  |  |                 | **********    |                            | ********                |
|  |  |   |  |  |                 |               |                            |                         |
|  |  | Ins                                     | pecting Office   | cer's initials   |                 |               |                            |                         |
| Inspecting Officer's initials  |  |   |  | [.   | Asset Pro       | rincerina     | Manager / Ser              | vice Delivery           |
| Inspecting Officer's initials  Asset Engineering Manager / Service Delivery  |  |   | =  | 202 to 1   |                 |               |                            |                         |
| Inspecting Officer's initials  |  |   |  |  | Manage          |               |                            |                         |

| LESLIE DAM EAP   |                     |                   |   |                 |   | Floor                                 | l Opera                               | tion                                    |
|--|---------------------|-------------------|---|-----------------|---|---------------------------------------|---------------------------------------|---|
| Visual inspection and Storage Rep<br>Note: Refer to Page 2 for recording | ort<br>instructions | <del>**</del>     |   | 1               |   |                                       | Solution Date: 04                     | 11/11                                   |
|  | SUN                 | MON               | TUE                                     | 7               | WED                                     | THU                                   | FRI                                   | SAT                                     |
| Stored Water Level FSL 472.41m   |                     |                   |   |                 |   |                                       | - 1                                   | 472.4                                   |
| tail Water Level (m)   |                     | -                 |   |                 |   | ····                                  |                                       | 100                                     |
| Daily Rainfall (mm) Morning 9am  |                     |                   |   |                 |   |                                       |                                       | 1.72                                    |
| Evening 3pm  |                     | 7777              |   | +               |   | · · · · · · · · · · · · · · · · · · · |                                       | 00.4                                    |
| NORMAL FLOOD OPERATION<br>EL 471.91 m and rising                         | 1                   | AGE 1<br>172,41 m | EL 4                                    | 5<br>172.4      | TAGE 2<br>1-EL 473,24                   | m                                     |                                       | GE 3<br>EL 473.63m                      |
|  | Morning             | J                 |   | !               | are Closed)                             | 111                                   | <u>LL 410.24 -</u>                    | 4/3/03/11                               |
|  | Evening             | ./                | (Tick if                                | Gates           | aro Closed)                             |                                       | · · · · · · · · · · · · · · · · · · · |   |
| VISUAL   | INSPECT             |                   |   |                 | First<br>Inspection<br>07:00            | n / ir                                | Second<br>espection<br>(+6 hrs)       | Third<br>Inspection<br>(+12 hrs)        |
| Spillway Channel   | (Walk OR Driu       | re at 10 km/hour. | Write 'W' for w                         | alk and         | ~                                       |                                       | 300<br>W                              | 1800                                    |
|  | sion, dama          | ige to conc       | rete struct                             | ure             | W                                       |                                       | <u>~</u>                              | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\  |
| rigation Control Structure   |                     |                   |   |                 | W                                       |                                       | W                                     | W                                       |
| mhankmente   | Crack               | s, concrete       | deteriorat                              | ion             | - V                                     |                                       |                                       | -                                       |
| mbankments   | Cracke              | subsidence        | in navem                                | 001             | W                                       |                                       | <u>~</u>                              | W                                       |
| pstream Face   | Ordons,             | SUDSIGETICE       | (Use binocul                            |                 | W                                       | - ·                                   | <u> </u>                              | W                                       |
| or war in  |                     |                   | Settlem                                 | ent             |   |                                       |                                       |   |
| Pownstream face  | Displac             | ement of ri       | prap mate                               | rial            | ,                                       |                                       |                                       | 1                                       |
| ownstream race   | Sub                 | sidence, si       | ides eros                               | ion             | _ //                                    |                                       | <u> </u>                              | W                                       |
|  |                     |                   | n of seeps                              |                 | YES/ NA                                 | J y                                   | ES (NIL)                              | YEX/NIL)                                |
| rea Downstream of Dam  |                     |                   |   |                 | W                                       | , , , , , , , , , , , , , , , , , , , |                                       | W                                       |
| Seepage from an  | y location a        | part from s       | eepage po                               | int             |   |                                       | <b>Y</b>                              | 5                                       |
| eepage Seens   |                     | loor or Tys       | of of the state of                      |                 | <u> </u>                                | r                                     | <u> </u>                              | W                                       |
| Secus  | ige water C         | Condition         |   | _               |   | Dia                                   |                                       | 4 1115                                  |
| etails of significant changes. New o                                     | ocurrences ar       |                   |   |                 | ention                                  | 100000                                | harge 4                               | MLD MLD                                 |
|  | ****************    | *************     |   |                 | *************                           |                                       | *************                         | *************************************** |
|  |                     |                   |   |                 |   |                                       |                                       | Meraphinian                             |
|  | **************      | 14444444444       | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                 |   | •••••                                 | •••••                                 | ,                                       |
|  | ******              |                   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                 | *************************************** |                                       | *************                         | *************************************** |
| ***************************************                                  | Ins                 | pecting Off       | icer's initia                           | ıls             |   |                                       | * 1 0 2 3                             | *************************************** |
|  |                     |                   | ax to                                   |                 | Asset ⊑ngin<br>Manager                  | eering Ma                             | nager / Ser                           | vice Delivery                           |
|  |                     | (tick if          |   | <del>را ⊹</del> | Principal En                            |                                       |                                       | · · · · · · · · · · · · · · · · · · ·   |

| LESLIE DAM EAP   |   |                        |  |   | F                                     | lood Opera                              | tion                             |
|--|---|------------------------|--|---|---------------------------------------|---|----------------------------------|
| Visual Inspection and Storage Rep<br>Note: Refer to Page 2 for recording   | oort<br>ginstructions *                 | ŧ                      |  |   |                                       | Date: Z                                 |                                  |
|  | SUN                                     | MON                    | TUE                                    | WED                                     | J TI                                  | HU FRI                                  | SAT                              |
| Stored Water Level FSL 472.41m   | 472.58                                  |                        | ,                                      |   | • • • • • • • • • • • • • • • • • • • |   |                                  |
| tail Water Level (m)   | 2.780                                   | 2.837                  |  |   | <u> </u>                              |   |                                  |
| Daily Rainfall (mm) Morning 9am  | 16                                      | 7                      |  |   |                                       |   |                                  |
| Evening 3pm  |   |                        |  | <del></del>                             |                                       | *************************************** |                                  |
| NORMAL FLOOD OPERATION<br>EL 471,91 m and rising   | ST.<br>EL 4                             | STAGE 2<br>41-EL 473.2 | 4 m                                    |   | GE 3<br>EL 473.63m                    |   |                                  |
|  | Morning                                 | J                      | (Tick If Gat                           | es are Closed)                          |                                       |   |                                  |
|  | Evening                                 | 1                      | (Tlok if Gat                           | es are Closed)                          |                                       |   |                                  |
| VISUAL   | INSPECT                                 |                        |  | Firs<br>Inspec                          | tion                                  | Second<br>Inspection                    | Third<br>Inspection<br>(+12 hrs) |
| Spillway Channel   | (Walk OR Drive                          | at 10 km/hour. V       | Vrito 'W' for walk a                   | ind 'D' for Drive                       | )                                     | 11.45,                                  | (TEMIS)                          |
|  | sion, dama                              | ue to concre           | te structure                           | - W                                     |                                       | _W                                      |                                  |
| Irrigation Control Structure   |   | 4 .                    | : :                                    | h//                                     |                                       | W                                       |                                  |
| Embankments  | Cracks                                  | , concrete d           | ieterioration                          |   |                                       |   |                                  |
| Lindikiicins   |   | ubsidence i            | n navemeni                             | - W                                     |                                       |   |                                  |
| Upstream Face  |   | W                      |  | <u> </u>                                |                                       |   |                                  |
|  | Diantas                                 |                        | Settlement                             |   |                                       |   |                                  |
| Downstream face  | Displace                                | ment of ripi           | ap material                            | 4                                       |                                       |   |                                  |
|  | Subs                                    | sidence, slic          | les, erosion                           | W                                       |                                       | <u> </u>                                |                                  |
| Area Downstream of Dam   |   | Sign                   | of seepage                             |   | 11L)                                  | YES (NIL)                               |                                  |
| Seepage from any   | location an                             | art from sec           | inan anat                              | W                                       | _                                     | W                                       |                                  |
| Seepage  | 2. "O"                                  | 6                      |  | W                                       |                                       | <u> </u>                                |                                  |
| <u>Seepa</u>   | ge water Cle                            | ear or Turbi           | d (Tick for clear)                     |   |                                       |   |                                  |
| Details of significant changes. New or   | ( )                                     | Condition of           | river outlet                           |   |                                       | Discharge 10                            | 414 MLD                          |
|  |   | rissues walla          |  | *************************************** |                                       |   |                                  |
|  | *************************************** | ********************** | (************************************* | *************                           | ***********                           | annanananan<br>Annananananan            |                                  |
|  | * <del></del>                           |                        | ***************                        | *********                               |                                       |   | 414(42)7174711424                |
| Control of the Contro |   | ecting Offic           |  |   |                                       |   | *************                    |
|  |   | Fa<br>(tick if fa      | x to<br>xed)                           | Manager                                 |                                       | r (Dam Salety)                          | ice Delivery                     |

| LESLIE DAM EAP   |   |   |                       |                                       | Flo               | od Opera                         | tion                                    |
|--|---|---|-----------------------|---------------------------------------|-------------------|----------------------------------|---|
| Visual Inspection and Storage Rep<br>Note: Refer to Page 2 for recording | oort<br>g instructions                  | <del>*</del> #                          |                       |                                       |                   | /c<br>Date: 0                    |   |
| -  | SUN                                     | MON                                     | TUE                   | WED                                   | <del></del>       |                                  |   |
| Stored Water Level FSL 472,41m   |   | 472.44                                  | 194                   | VVED .                                | THU               | FRI                              | SAT_                                    |
| tail Water Level (m)   | <del> </del> -                          | ,                                       | <u> </u>              |                                       |                   |                                  |   |
| Daily Rainfall (mm) Morning 9am  |   | 1.58                                    |                       |                                       | <u></u>           |                                  |   |
|  |   | 1.4                                     |                       |                                       |                   | •                                |   |
| Evening 3pm  |   |   |                       |                                       |                   |                                  |   |
| NORMAL FLOOD OPERATION<br>EL 471.91 m and rising                         |   | AGE 1<br>72:41 m                        | EL 47;                | STAGE 2 2.41-EL 473,24                | m                 |                                  | GE 3<br>-EL 473.63m                     |
|  | Morning                                 | 4                                       |                       | ites are Closed)                      |                   | 7 GATES                          | -EL 4/3.03m                             |
|  | Evening                                 |   | /Tiek is A            |                                       |                   | OPEN.                            |   |
|  | ~inià                                   | <u> </u>                                | ( FICK IT Ga          | tes are Closed)                       |                   | ,,                               |   |
| VISUAL   | INSPECT                                 |   |                       | First<br>Inspection<br>07:00          | on                | Second<br>Inspection<br>(+6 hrs) | Third<br>Inspection<br>(+12 hrs)        |
| pillway Channel  | (Walk OR Driv                           | e at 10 km/hour. W                      | rite 'W' for walk     | and 'D' for Drive)                    |                   | 2.15pm                           | (112 (113)                              |
|  | sion. dama                              | ge to concre                            | to atriative          | - W                                   | _                 | w                                |   |
| igation Control Structure  |   | ge to contact                           | re structur           | W                                     |                   |                                  |   |
|  | Cracks                                  | , concrete d                            | eterioration          | 1 2                                   | <del>-  -</del> } | <u>~</u>                         |   |
| mbankments   |   |   |                       | 10/                                   |                   |                                  |   |
| ostream Face   | Cracks, s                               | ubsidence ir                            |                       |                                       | i                 |                                  |   |
| POLICAINT ACC  |   |   | Use binoculars)       |                                       |                   | /                                |   |
|  | Displace                                | ement of ripra                          | Settlemen             |                                       |                   | -                                |   |
| ownstream face   |   |   | ap moteria            | W-                                    | <del>'</del>      |                                  |   |
|  | Subs                                    | sidence, slide                          | es, erosion           |                                       |                   |                                  |   |
| ea Downstream of Dam   |   | Sign o                                  | of seepage            | YES/ NIL                              | YES               | COLL                             |   |
| Seepage from any   | location on                             | - m                                     |                       | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 14                |                                  |   |
| epage  | iocation ap                             | air nom see                             | page point            |                                       |                   |                                  |   |
| Seepag   | e water Ci                              | ear or Turbid                           | (Tick for clear)      | - W                                   |                   |                                  |   |
|  | (                                       | Condition of a                          | SUCE QUILLA           |                                       | Dia               | -1                               |   |
| ails of significant changes. New oc                                      | currences and                           | l Issues warran                         | ting further a        | ttention                              |                   | charge                           | MLD                                     |
|  |   | *************************************** | ***************       |                                       |                   | *****************                | *************************************** |
| •••••••••••••••••••••••••••••••••••••••                                  | . 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | \$4 \$54   \$5   \$8 4 FFF   F \$1 8    | ************          | ***************                       | *********         | ***********                      | **************                          |
|  | ****************                        | **************                          | **************        |                                       | ***********       | ******************               |   |
|  |   |   | ********************* |                                       |                   | 64+essasines+s- <sub>495</sub> ; |   |
|  |   | Lijesesjesjig eserese                   | 4847748554541941      | ***************                       | ************      |                                  | *************************************** |
|  | Inspe                                   | ecting Office                           | r's initials          |                                       |                   |                                  |   |
|  | ,                                       | Fax                                     | to                    | Asset Engine<br>Manager               |                   |                                  | e Deilvery                              |
| •  |   | (tick if faxe                           | 3U)                   | Principal Engi                        | neer (Da          | m Safatul                        |   |

#### **LESLIE DAM EAP** Flood Operation Visual Inspection and Storage Report Note: Refer to Page 2 for recording instructions \*\* Date: 02 SAT THU FRI SUN MON TUE WED GAVGE Stored Water Level FSL 472.41m 472-644 472-475 FLODOED 2.90 tail Water Level 86.2 Daily Rainfall (mm) Morning 9am 10.2 Evening 3pm STAGE 3 NORMAL FLOOD OPERATION STAGE 1 STAGE 2 EL 473,24 -EL 473.63m EL 472.41 EL 473.24 m EL 471.91 m and rising EL 472,41 m Morning ./ (Tick if Gates are Closed) 12.01.11 Evening 1 (Tick if Gates are Closed) Third Second First Inspection Inspection VISUAL INSPECTION Inspection (+6 hrs) 07:00 (+12 hrs) 420 18:15 (Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive) W مهم Spillway Channel Erosion, damage to concrete structure Irrigation Control Structure W W Cracks, concrete deterioration Embankments Cracks, subsidence in pavement **Upstream Face** (Use binoculars) Settlement Displacement of riprap material W Downstream face Subsidence, slides, erosion 785 yes. 123 Sign of seepage Area Downstream of Dam טע No · Seepage from any location apart from seepage point Seepage water Clear or Turbid (Tick for clear) MLD Discharge Condition of river outlet Details of significant changes. New occurrences and issues warranting further attention IPLE OF TREES DOWNSTREAM OF WALL TEH WASHED OUT, ONE IS UPAGBINST DAM BRIDGE MAIN KOADS WILL NEED TO LESLIE BRIDGE, A TREE & NEDGED JNDER Inspecting Officer's initials

sunivater

Section 6A: Page 1 of 5

Manager

Principal Engineer (Dam Safety)

Fax to

(tick if faxed)

Jan 08, Issue 2-0

**Emergency Event Recording Sheets** 

• Record of Communication sheet

# LESUIE DAM - EMERGENCY ACTION PLAN RECORD OF COMMUNICATION

|         |         |                                   | PRACTICAL CONTRACTOR | OF COMMUNICATION                       |  |
|---------|---------|-----------------------------------|----------------------|--|--|
| DATE    | TIME    | CONTACT PERSON /<br>TELEPHONE NO. | CALL<br>IN / OUT     | MESSAGE                                | RECORDED BY (INITIALS)                         |
| 2/1/11  | 10:30ar | Phil Mann                         | OUT                  | Bridge inspected structurals round és  | enclear  |
| 12/1/11 | 4:40pm  | Phil Mann                         | IN                   | 3gates open 100m, Q = 3009 m/          | 12   |
| 12/1/11 | 8:55pm  | Chris Mann                        | @IN                  | Receding 3 gates open 70mm > FS, 4000, |  |
| 1       | 1       | Phil Mann                         | IN                   | 3gates open 20100m 10200mm             |  |
|         |         | m Phil Many                       | (n)                  | Gate No 4 open o.2m                    | - · · · <u>- · · · · · · · · · · · · · · ·</u> |
| 14/1/11 | брт     | Phil Mann                         | in                   | Gate 4 open 0:1m                       |  |
| 14/1/11 | 10:16an | Chris Mann                        | in                   | releasing 600 Me/c Day lgategoing to   | w  |
| 14/1/11 | 12:15pm | Chris Mann                        | IN                   | 20 mm above FSL gate 4 upped to 200    | <i>**</i>                                      |
|         |         |                                   |                      |  |  |
|         |         |                                   |                      |  |  |
| -       | · ·     |                                   |                      |  |  |
|         |         |                                   |                      |  |  |
|         |         |                                   |                      |  |  |
|         |         |                                   |                      | · · · · · · · · · · · · · · · · · · ·  |  |

86mm rain uptill 9cm

# LESLIE DAM - EMERGENCY ACTION PLAN RECORD OF COMMUNICATION

|           | T                | CONTACT DEDCOM                    | CALL           |   |                                       |
|-----------|------------------|-----------------------------------|----------------|---|---------------------------------------|
| DATE      | TIME             | CONTACT PERSON /<br>TELEPHONE NO. | CALL<br>IN/OUT | MESSAGE   | RECORDED BY (INITIALS)                |
| 11-1-11   | 9:45             | Rod Ferguson                      | OUT            | Council Contaced Leslie info  |                                       |
| 11-1-11   | 9:50             | Phil Mann                         | OUT            | EL 472.608 4@ 106m TW underwote                                     | ≈ 5°8m Tw                             |
| White     | 12.050.          | Porc Marin                        | لم:            | ALL COTES NO AT 1-2 n OPINI   | 70000M4/D                             |
| May 11 in | 1 <b>%</b> . 6 c | PHIL MAN-                         | دسر ع          | Au Coms non 1 8 n   |                                       |
|           | 16.00            | Fele Commos                       | S              | Den Some  |                                       |
| ulder     | 16.50            | Par Mora                          | لسزو           | CATES 147 AT 3, CLOSED RAWWILL CATES 2, 3, 4, 5, 6 AT . 8 m por DAT |                                       |
| ulga      | 17.30            | Peter Mann                        | اسا            | (ATES 147 closed 2-6 4.50   |                                       |
| 12/1/11   | 8.00             | Potic Mtna                        | 164            | CATES IT CLOSED 345, 3 OPEN 4                                       |                                       |
| 211111    | Q. 00            | Pere Ma                           | 10             | CAMES 1,2,6,7 CLOSED. Pet 472-427                                   |                                       |
| irlu      | 9-30             | FA C CENTATS                      | 39             | DAM STATUS  |                                       |
| 12/1/4    | 9-30             | MRD                               | ०ज             | ADUSE OF RIDUCTO FOR FOR FOR DA                                     | · · · · · · · · · · · · · · · · · · · |
| 12/1/11   | 9:30             | P. Mann                           | IN             | Bridge 0/5 Gauseway Tree jamme                                      |                                       |
| 12/1/11   | 9:31             | c. Wallace                        | out            | MRP notified will inspect soon                                      |                                       |
| 12/1/11   | 9:32             | P. Mann                           | out            | left mesage MRD inspecting  | SunWater                              |
|           |                  |                                   |                |   | Page 4 of 5<br>n 08, issue 2-0        |

EN-ERGENCY ACTION PLAN - \_

Dow

MRD Main Roads Department

# RECORD OF COMMUNICATION

| DATE    | TIME   | CONTACT PERSON /<br>TELEPHONE NO. | CALL<br>IN / OUT | MESSAGE                                  | RECORDED BY |
|---------|--------|-----------------------------------|------------------|--|-------------|
| 10-1-11 | 6:00pm | Peter Colleit                     | in               | Requesting Dam info                      | (INITIALS)  |
| 16-1-11 | 1 .1   | Greg Wallace                      | out              | Requesting Dam info  Flowing over Endy G | 7           |
| 10-1-11 | 1 1    | Warren Hess                       | out              | Leslie Dan steady Lasthour               |             |
|         | 7:51pm | Warren Hess                       | IN               | Leslie update Dam Propping               |             |
|         |        | Greg Wallace                      | out              | 14                                       |             |
| 11-1-11 | 2:40cm | Warren Hes                        | IN               | Pam rising Fast EL 472-511 MRD           |             |
| 11-1-11 | 2:42am | Grey Wallace                      | out              | MRD contacted about Sandy Coh crain      |             |
| 11-1-11 | 3:16an | n Warren Hes                      | in               | Dam rising 10 mm everyloning             |             |
| 11-1-11 | 3:51cm | Warren Hew                        | in               | All Octor to O-5 m and rising            |             |
| 11-1-11 | 3555m  | Greg Wallace                      | 00+              | cres at crossing all sorted              |             |
| 11-1-11 | 5:45m  | Warren Hess                       | IN               | EL 472.699.26m. TW level                 |             |
| 11-1-11 | 8:35cm | Greg Morrow                       | 1N               | Les lie update                           |             |
| 11-1-11 | 8:38om | Phil Mann                         | iN               | Flood operation sheets & ELightes        |             |

# LESLIE DAM - EMERGENCY ACTION PLAN RECORD OF COMMUNICATION

| 1    |   |   |   |  |
|------|---|---|---|--|
| TIME | CONTACT PERSON /                              | CALL  | MESSAGE   | RECORDED BY  |
|      | TELEPHONE NO.                                 |   |   | (INITIALS)   |
| 3pm  | Phil Mann                                     | IN  | All gates open 1 step upropiely                                 |  |
| 1    |   | in  | 234586 open (Level rising Fort)                                 |  |
| 3:35 | Greg Wallace                                  | OUT   | Main Roads contacted to manifer                                 |  |
| 3:38 | Peter Collett                                 | IN  | Contacted Grey Morrowe Ron Bellinger                            | _  |
|      |   | ·   |   |  |
|      |   |   |   |  |
|      |   |   |   |  |
|      |   |   |   |  |
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|      |   |   |   |  |
|      |   |   |   |  |
| _    | 3 <sub>рт</sub><br>3:30 <sub>рт</sub><br>3:35 | TELEPHONE NO.  3pm Phil Mann  3:30pm Phil Mann  3:35 Greg Wallace  3:38 Peter Collett | 3:30pm Phil Mann IN  3:30pm Phil Mann IN  3:35 Greg Wallace OUT | 3:30 Phil Mann IN All gates open 1step upropidly  3:30 Phil Mann IN 234586 open (Level sising Fast)  3:35 Greg Wallace OUT Main Roads contacted to manifer |

ENERGENCY ACTION PLAN -

LESLIE Leslie / Dawl EAP

Lester Millwood

### BEARDMORE DAM - EMERGENCY ACTION PLAN RECORD OF COMMUNICATION

SDRC Bran Week

| DATE    | TIME     | CONTACT PERSON /<br>TELEPHONE NO.                       | CALL<br>IN / OUT | MESSAGE RECORDED BY (INITIALS)  |
|---------|----------|---|------------------|---|
| 9-1-11  | 2:200    | - Phil Mann   |                  | Notify Police Disastergroups lains  |
| 9-1-11  | 2:35     | m Phil Mann<br>Council Police Council<br>Trudy Grey Red | out              | Greg Morrow (Police Pugsterions   |
| 9-1-11  | 2:40%    | Greg Payne  | out              | MRO Greg Payne addin  |
| 9-1-11  | 2:50     | Lester Millwood   | IN.              | MRD AH  |
| 9-1-11  | 2:50pm   | Greavallace<br>DMR warwich                              | OUT              | MRD AH  |
|         |          | DMR Warwich   |                  | INCIDENT control Phone  |
| 9-1-11  | 6:10pm   | Steve Dunne   | iN               | State Disaster Coordination Erosung                                       |
|         |          | Michael Holesto   | IN               | reads into consideration when releasing                                   |
| i       | 3        | Chris Mann  | IN               | 3 gates open @ 100 ≈ 7500 ML/D  |
| 16-1-11 | 6:56am   | Phil Mann   | 00T              | Leslie update TW gauge sodings<br>computer problems sending in Ssheet     |
| 10-1-11 | 8:50am   | Phil Mann   | IN               | computer problems sending in Ssheet                                       |
| 10-1-11 | 9:380m   | Phil Mann   | IN               | Gate 3 just opened one step (00mm) 3, 4, 8 5 open one step each (4000M4P) |
| 10-1-11 | 12:15 pm | Phil Mann   | IN               | 2,3,42,518 pen one step (100 dun  |

2,86 just raised one step

SunWater

Section 6: Page 4 of 5 Jan 08, Issue 2-1

(\*)

# LESLIE DAM - EMERGENCY ACTION PLAN RECORD OF COMMUNICATION

|           |        | CONTACT DEDOCAL                   |                  |   |
|-----------|--------|-----------------------------------|------------------|---|
| DATE      | TIME   | CONTACT PERSON /<br>TELEPHONE NO. | CALL<br>IN / OUT | MESSAGE RECORDED E  |
| 27/12/10  | 14.00  | Ros Kroch                         | ©~T ·            | ADVISK OK RAPID DON RISKS.                                |
| 27 lieles | 14.30  | DISASON MANNERON.                 | 05               | Asidesi OR (Moment Don Spill.                             |
| 2-7/12/10 | 15-00  | Pita Mona                         | 0 4              | A DUISK ON PRINTAR RON FLOOD KIENS                        |
| 3/1/16    | 8:15an | Rob Keogh                         | Obt              | Advice to run gateson manual control                      |
| 3/1/10    | \$ 450 | Phil Mann                         | IN               | Email advice for EEC                                      |
| 4/2/10    | 9:00   | Phil Mann                         | out              | Flood operation shoet in word format                      |
| 5/1/1     | 8:00pm | EAP's Contacts                    | out              | EEC Rang up irrigator police district disasterate         |
| 6/1/11    | 6:00am | Chris Mann                        | out              | Gate heights & Discharge                                  |
| 1         | 1      | 6-Hargreares                      | IN               | Tw gauge, Man operation Fill out gate opening Spreadsheet |
|           |        | For lowers                        | 0 -              | Dan Storus  |
| 6/1/11    | 18.30  | Copms ym                          | ( <u> </u>       | Are (17115 AT 100 mm AT 7 Pm                              |
|           |        | DDM compile                       | 05               | ANUISA PAR THE WASA ROW                                   |
| 711/4     | 7.00   | P. Mon                            | 16               | DAM Com Snows.  |
|           |        | •                                 |                  | (87115 3.45 15 100 min                                    |

### LESLIE DAM - EMERGENCY ACTION PLAN RECORD OF COMMUNICATION

| DATE     | TIME | CONTACT PERSON /<br>TELEPHONE NO. | CALL<br>IN / OUT      | MESSAGE                          | RECORDED BY (INITIALS) |
|----------|------|-----------------------------------|-----------------------|----------------------------------|------------------------|
| 7/1/11   | 9.00 | FIRE COMPATS                      | 09                    | Don Snows                        |                        |
| 9/1/11   | 1 Am | CHAIS MAN                         | اسا                   | Hary Row + Don Risinic           | . ?                    |
| <i>ч</i> | 2 sn | فر                                | <b>5</b> <sub>7</sub> | 3 coms open 100 nm               | ,                      |
|          | 34   | ٧.                                | 7                     | 7 CATTY OPEN 100 ME              | ¢-                     |
| 4.       | 40-  | Ļ                                 | •                     | 4 comes open 100 nc 3 orm 300 n. | ς.                     |
| ~ ·      | San  | 7                                 | f s                   | TW 17 n Disc 9338 milo.          |                        |
|          | 5.30 | Brancon U                         | 0-1                   | Assist Row + original Lason      |                        |
|          | 5.38 | DISASTA MARKANE                   | 04                    | ADVISIO 1200                     |                        |
| ٠,       | 6.00 | Sound Doing Course                | 0 V1                  | ADVEST FROM (NO PRANT TO MASS    | 401                    |
| 9/1/11   | 7.30 | Pine MANN                         | (6)                   | DELLEASING COTIC SPATIALS        |                        |
| 91.14    | 8.30 | REC CONTATS                       | 0-9                   | ADVISE DAM STATUS                |                        |
|          |      |                                   |                       |                                  |                        |
|          |      | -                                 |                       |                                  |                        |

# **Emergency Event Recording Sheets**

• General comments & other issues

#### EAP REMARKS AFTER THE EVENT

#### Hi John,

At Leslie Dam we operated this event using the current EAP and found it adequate and relevant. The only fault we had with the EAP, was it is in Leslie Datum and the Leslie Dam Headwater Gauging Station we were using is in Australian Height Datum, because of the faulty water level transducers (system operated in manual mode) The other problems we had were with communication, Citrix gave us so much grief, not being able to email information through to EEC and tail water gauging station failed during this event.

Regards, Phil Mann Storage Supervisor Leslie Dam.

**Emergency Event Recording Sheets** 

• Photos during & after event



