COOLMUNDA 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

QFCI

Date: 27/05/11 JM

Exhibit Number: 516

Coolmunda Dam Event Report

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 10:30 ~~am/pm~~ Date 13/9/10 **Finishing:** Time ___:___ ~~am~~/pm; Date 4/10/10

18:00 16-10-10 am 21-10-10

2. **DESCRIPTION OF THE EVENT** 07:00 25-10-10 pm 28-10-10

Attach relevant sheets from Section 6.

3. **STATISTICS**

Total inflow MEASURED	49652	Megalitres
Total discharge	89378	Megalitres
Capacity of Storage prior to inflow	57219 ML	82.9 %
Volume prior to inflow	57219	Megalitres
Maximum inflow ATT	18,095	MLD
Maximum discharge ATT	32,691	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 malfunctions, Improved Reporting, Safety issues, or any suggestions which may improve monitoring of the Event

6. **DAMAGE REPORT**

Detail any damage to the Embankment, Spillway, Abutments or Stream bank in the downstream area of the Dam. ***Attach photos.***

ACCESS TO DISSIPATOR WASHED AWAY, LADDER ON PIER DAMAGED

Name: ..... ***Signed:*** ..... ***Designation:*** ..... ***Date*** ..../..../....

15 Feb 2011 1:13PM COOLMUNDA.DAM.. p.1

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 7:00 am/~~pm~~; Date 21/11/10 **Finishing:** Time 7:00 am/~~pm~~; Date 16/11/10

2. **DESCRIPTION OF THE EVENT**

Attach relevant sheets from Section 6.

3. **STATISTICS**

Total inflow MEASURED	90495	Megalitres
Total discharge	178805	Megalitres
Capacity of Storage prior to inflow	102.6	%
Volume prior to inflow	70848	Megalitres
Maximum Inflow ATT	49709	MLD
Maximum discharge ATT	77998	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 malfunctions, improved Reporting, Safety issues, or any suggestions which may improve monitoring of the Event

6. **DAMAGE REPORT**

Detail any damage to the Embankment, Spillway, Abutments or Stream bank in the downstream area of the Dam. Attach photos.

PIER LADDERS DAMAGED, ACCESS RAMP DESTROYED, SOME BANK EROSION D/S

Name:.....**Signed:**.....**Designation:**.....**Date**...../...../.....

15 Feb 2011 2:56PM COOLMUNDA.DAM.. p.1

Coolmunda Dam Event Report

Emergency Event Recording Sheets

- Instrument readings, rainfall and levels data

TABLE 2

RECORD OF GATE OPERATION DURING FLOOD COMMENCING _16 / 11 / 10_____
COOLMUNDA DAM

Date	Time	Reservoir Level	Measured Inflow	Rainfall at Dam	Gate Openings							Discharges through Gates							Outlet Valve Discharge	Total Discharge ATT. ML/D	D/Stream Discharge (From Gauge)
					1	2	3	4	5	6	7	1	2 Seal Leak	3	4	5	6	7			
05/10/10	07:00	314.178	307	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
06/10/10	07:00	314.166	282	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
07/10/10	07:00	314.152	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
08/10/10	07:00	314.135	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
09/10/10	07:00	314.134	0	10	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
10/10/10	07:00	314.119	275	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
11/10/10	07:00	314.103	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
12/10/10	07:00	314.083	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	371	406	N/A
13/10/10	07:00	314.062	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	35	N/A

17/10/10	07:00	314.200	1451	0	0	0	0	.37	0	0	0	0	57	0	3170	0	0	0	349	3576	0.68
//	08:00	314.198	1383	0	0	0	0	.37	0	0	0	0	57	0	3170	0	0	0	349	3576	0.68
//	12:00	314.199	1219	0	0	0	0	.23	0	0	0	0	57	0	1970	0	0	0	349	2376	0.48
//	15:00	314.199	1126	0	0	0	0	.23	0	0	0	0	57	0	1970	0	0	0	349	2376	0.48
//	18:00	314.197	1049	0	0	0	0	.16	0	0	0	0	57	0	1311	0	0	0	349	1717	0.41
18/10/10	07:00	314.197	742	0	0	0	0	.07	0	0	0	0	57	0	600	0	0	0	349	1006	0.29
19/10/10	07:00	314.196	499	0	0	0	0	.04	0	0	0	0	57	0	383	0	0	0	349	755	0.17
20/10/10	07:00	314.195	384	0	0	0	0	.02	0	0	0	0	57	0	171	0	0	0	349	577	0.10
21/10/10	07:00	314.186	322	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.05
22/10/10	07:00	314.176	294	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.03
23/10/10	07:00	314.164	278	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.03
24/10/10	07:00	314.147	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.03
25/10/10	07:00	314.223	1486	6.0	0	0	0	0.6	0	0	0	0	57	0	5140	0	0	0	349	5546	0.91
//	09:00	314.223	1260	0	0	0	0	0.6	0	0	0	0	57	0	5140	0	0	0	349	5546	0.90
//	14:00	314.208	1052	0	0	0	0	.48	0	0	0	0	57	0	4112	0	0	0	349	4518	0.80
26/10/10	07:00	314.195	603	0	0	0	0	.10	0	0	0	0	57	0	856	0	0	0	349	1262	0.25
27/10/10	07:00	314.195	425	0	0	0	0	.04	0	0	0	0	57	0	383	0	0	0	349	789	0.15
28/10/10	07:00	314.191	333	0	0	0	0	.01	0	0	0	0	57	0	86	0	0	0	349	492	0.08
29/10/10	07:00	314.180	284	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.04
30/10/10	07:00	314.162	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.03
31/10/10	07:00	314.142	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.03

02/11/10	07:00	314.112	0	5.0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	349	406	0.03
03/11/10	07:00	314.081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	349	349	0.00
04/11/10	07:00	314.074	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	93	N/A
05/11/10	07:00	314.086	469	21.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	78	N/A
18/11/10	07:00	314.096	202	31.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0
//	11:30	314.092	651	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340	340	0
//	15:00	314.095	1251	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340	340	0
19/11/10	07:00	314.142	1261	13.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340	340	0
//	20:00	314.181	855	0	0	0	0	.17	0	0	0	0	0	0	1456	0	0	0	340	1796	0.32
//	21:00	314.181	850	0	0	0	0	.19	0	0	0	0	0	0	1628	0	0	0	340	1968	0.40
//	22:00	314.178	821	0	0	0	0	.21	0	0	0	0	0	0	2139	0	0	0	340	2139	0.42
//	23:00	314.177	809	0	0	0	0	.20	0	0	0	0	0	0	1713	0	0	0	340	2053	0.45
20/11/10	07:00	314.182	672	0	0	0	0	.11	0	0	0	0	0	0	942	0	0	0	340	982	0.24
21/11/10	07:00	314.178	424	0	0	0	0	.03	0	0	0	0	0	0	257	0	0	0	340	597	0.10
22/11/10	07:00	314.174	323	0	0	0	0	.01	0	0	0	0	0	0	86	0	0	0	340	426	0.01
23/11/10	07:00	314.178	270	0	0	0	0	.01	0	0	0	0	0	0	86	0	0	0	0	86	0
24/11/10	07:00	314.180	0	0	0	0	0	.02	0	0	0	0	0	0	171	0	0	0	0	171	0
25/11/10	07:00	314.178	0	0	0	0	0	.01	0	0	0	0	0	0	86	0	0	0	0	86	0
26/11/10	07:00	314.179	0	0	0	0	0	.01	0	0	0	0	0	0	86	0	0	0	0	86	0
27/11/10	07:00	314.159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340	340	0
28/11/10	07:00	314.134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340	340	0
29/11/10	07:00	314.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340	340	0
30/11/10	07:00	314.087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	355	355	0

1/12/10	07:00	314.071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	298	298	0
2/12/10	07:00	314.086	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	77	0
3/12/10	07:00	314.086	0	7.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	69	0
4/12/10	07:00	314.087	0	5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	88	0
5/12/10	07:00	314.095	564	9.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0
6/12/10	07:00	314.142	681	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176	176	0
7/12/10	07:00	314.182	380	0	0	0	0	.07	0	0	0	0	0	0	600	0	0	0	343	943	0.17
8/12/10	07:00	314.176	282	0	0	0	0	.02	0	0	0	0	0	0	171	0	0	0	343	514	0.09
9/12/10	07:00	314.167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	334	334	0
10/12/10	07:00	314.163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	334	334	0
11/12/10	18:00	314.191	5427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332	332	0
//	18:45	314.195	5101	0	0	0	0	.02	0	0	0	0	0	0	171	0	0	0	332	503	0.01
//	20:00	314.200	4943	0	0	0	0	.30	0	0	0	0	0	0	2570	0	0	0	332	2902	0.05
//	21:00	314.201	4584	0	0	0	0	.44	0	0	0	0	0	0	3769	0	0	0	332	4101	0.75
//	22:00	314.203	4155	0	0	0	0	.46	0	0	0	0	0	0	3941	0	0	0	332	4273	0.78
//	23:00	314.207	3347	0	0	0	0	.50	0	0	0	0	0	0	4283	0	0	0	332	4615	0.80
12/12/10	12:00	314.224	2068	0	0	0	0	.60	0	0	0	0	0	0	5140	0	0	0	332	5472	0.91
//	13:00	314.222	2030	0	0	0	0	.58	0	0	0	0	0	0	4969	0	0	0	332	5301	0.90
//	14:00	314.219	1993	0	0	0	0	.56	0	0	0	0	0	0	4797	0	0	0	332	5129	0.88
//	15:00	314.217	1989	0	0	0	0	.54	0	0	0	0	0	0	4626	0	0	0	332	4958	0.87
13/12/10	07:00	314.196	1229	0	0	0	0	.30	0	0	0	0	0	0	2570	0	0	0	332	2902	0.61

14/12/10	07:00	314.196	567	0	0	0	0	.08	0	0	0	0	0	0	685	0	0	0	332	1017	0.19
15/12/10	07:00	314.195	397	0	0	0	0	.04	0	0	0	0	0	0	383	0	0	0	332	715	0.14
16/12/10	07:00	314.192	324	0	0	0	0	.03	0	0	0	0	0	0	257	0	0	0	332	589	0.09
17/12/10	07:00	314.198	2275	0	0	0	0	.17	0	0	0	0	0	0	1456	0	0	0	332	1788	0.22
//	18:00	314.198	N/A	0	0	0	0	.32	0	0	0	0	0	0	2741	0	0	0	332	3073	0.64
18/12/10	07:00	314.196	741	0	0	0	0	.11	0	0	0	0	0	0	942	0	0	0	332	1174	0.24
//	18:00	314.198	625	0	0	0	0	.03	0	0	0	0	0	0	257	0	0	0	332	589	0.15
19/12/10	07:00	314.196	514	0	0	0	0	.07	0	0	0	0	0	0	600	0	0	0	332	932	0.17
20/12/10	07:00	314.194	753	0	0	0	0	.02	0	0	0	0	0	0	171	0	0	0	332	503	0.12
21/12/10	07:00	314.198	443	0	0	0	0	.05	0	0	0	0	0	0	428	0	0	0	332	760	0.07
22/12/10	07:00	314.195	346	0	0	0	0	.02	0	0	0	0	0	0	171	0	0	0	332	503	0.02
23/12/10	07:00	314.182	290	0	0	0	0	.01	0	0	0	0	0	0	86	0	0	0	332	418	0
24/12/10	07:00	314.176	0	4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332	332	0
25/12/10	07:00	314.162	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332	332	0
26/12/10	07:00	314.150	0	2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332	332	0
27/12/10	07:00	314.154	494	16.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	332	332	0
//	20:00	314.206	14712	6.4	0	0	0	.57	0	0	0	0	0	0	4883	0	0	0	332	5215	0.87
//	21:00	314.249	11406	0	0	0	0	.79	0	0	0	0	0	0	6768	0	0	0	332	7100	1.04
//	22:00	314.263	10532	0	0	0	.36	.82	.34	0	0	0	0	3084	7025	2913	0	0	332	13354	1.53
//	23:00	314.281	9684	0	0	0	.55	.91	.50	0	0	0	0	4712	7796	4283	0	0	332	17123	1.70
//	24:00	314.299	8874	0	0	0	.61	1.02	.65	0	0	0	0	5226	8738	5568	0	0	332	19532	1.87
28/12/10	01:00	314.314	8067	0	0	0	.74	1.10	.70	0	0	0	0	6339	9423	5997	0	0	332	22091	1.98

//	02:00	314.322	7395	0	0	0	.77	1.13	.73	0	.01	0	0	6596	9680	6254	0	86	332	22948	2.05
//	03:00	314.324	6931	0	0	0	.78	1.14	.74	0	.02	0	0	6682	9766	6339	0	171	332	23290	2.07
//	04:00	314.317	6431	0	0	0	.72	1.08	.68	0	.02	0	0	6168	9252	5825	0	171	332	21748	1.97
//	05.00	314.310	6118	0	0	0	.68	1.04	.64	0	.01	0	0	5825	8909	5483	0	86	332	20635	1.90
//	06.00	314.301	5795	0	0	0	.62	.97	.57	0	0	0	0	5311	8310	4883	0	0	332	18836	1.79
//	07.00	314.290	5360	0	0	0	.55	.91	.52	0	0	0	0	4712	7796	4455	0	0	332	17295	1.70
//	08.00	314.281	5149	0	0	0	.49	.86	.46	0	0	0	0	4198	7367	3941	0	0	332	15838	1.63
//	09.00	314.270	4899	0	0	0	.44	.81	.40	0	0	0	0	3769	6939	3427	0	0	332	14467	1.54
//	10.00	314.262	4688	0	0	0	.34	.76	.32	0	0	0	0	2913	6511	2741	0	0	332	12497	1.47
05/01/11	07:00	314.200	784	0	0	0	0	.03	0	0	0	0	0	0	257	0	0	0	332	589	0.16
//	12:30	314.205	775	0	0	0	0	.03	0	0	0	0	0	0	257	0	0	0	332	589	0.18
//	16:00	314.221	719	35.0	0	0	0	0.52	0	0	0	0	0	0	4455	0	0	0	332	4787	0.79
//	17:00	314.222	697	5.0	0	0	0	0.52	0	0	0	0	0	0	4455	0	0	0	332	4787	0.82
//	18:00	314.223	682	3.0	0	0	0	0.49	0	0	0	0	0	0	4198	0	0	0	332	4530	0.82
//	19:00	314.217	673	0	0	0	0	0.45	0	0	0	0	0	0	3855	0	0	0	332	4187	0.77
//	20:00	314.208	689	0	0	0	0	0.38	0	0	0	0	0	0	3255	0	0	0	332	3587	0.70
//	21:00	314.205	1875	0	0	0	0	0.16	0	0	0	0	0	0	1311	0	0	0	332	1643	0.50
//	22:00	314.204	3122	0	0	0	0	0.10	0	0	0	0	0	0	856	0	0	0	332	1188	0.31
//	23:00	314.204	2542	0	0	0	0	0.10	0	0	0	0	0	0	856	0	0	0	332	1188	0.25
//	24:00	314.205	2146	0	0	0	0	0.10	0	0	0	0	0	0	856	0	0	0	332	1188	0.23
06/01/11	08:00	314.212	2352	1	0	0	0	.42	0	0	0	0	0	0	3598	0	0	0	332	3930	0.74
//	09:00	314.214	2899	0	0	0	0	.46	0	0	0	0	0	0	3941	0	0	0	332	4273	0.78
//	10:00	314.217	3376	4	0	0	0	.49	0	0	0	0	0	0	4198	0	0	0	332	4530	0.80

//	11:00	314.222	4615	0	0	0	0	.52	0	0	0	0	0	0	4455	0	0	0	332	4787	0.83
//	12:00	314.225	7963	0	0	0	0	.54	0	0	0	0	0	0	4626	0	0	0	332	4958	0.84
//	13:00	314.236	16544	0	0	0	0	.63	0	0	0	0	0	0	5397	0	0	0	332	5729	0.91
//	14:00	314.251	25837	0	0	0	0	.72	0	0	0	0	0	0	6168	0	0	0	332	6500	0.98
//	15:00	314.277	30575	0	0	0	.48	.86	.46	0	0	0	0	4112	7367	3941	0	0	332	15752	1.38
//	16:00	314.307	42656	0	0	0	.67	1.03	.64	0	0	0	0	5740	8824	5438	0	0	332	20379	1.80
//	17:00	314.348	47773	0	.37	.57	.87	1.23	.84	.11	.46	3170	4883	7453	10501	7196	942	3941	332	38418	2.38
//	18:00	314.361	42927	0	.59	.65	.95	1.32	.92	.63	.57	5054	5568	8138	11168	7881	5397	4883	332	48421	3.33
//	19:00	314.365	34585	0	.62	.68	.98	1.34	.95	.65	.59	5311	5825	8395	11310	8138	5568	5054	332	49933	3.55
//	20:00	314.368	27356	0	.63	.71	.99	1.35	.96	.67	.63	5397	6081	8481	11384	8224	5740	5397	332	51036	3.65
//	21:00	314.365	21631	0	.63	.71	.99	1.35	.96	.67	.63	5397	6081	8481	11384	8224	5740	5397	332	51036	3.65
//	22:00	314.363	17861	0	.63	.71	.95	1.30	.93	.67	.63	5397	6081	8138	11016	7967	5740	5397	332	50068	3.62
//	23:00	314.355	15398	0	.59	.65	.90	1.27	.87	.66	.56	5054	5568	7710	10795	7453	5654	4797	332	47363	3.50
//	24:00	314.348	13651	0	.52	.59	.83	1.20	.81	.58	.50	4455	5054	7110	10280	6939	4969	4283	332	43422	3.25
07/01/11	13:00	314.280	6298	0	0	0	.43	.79	.39	0	0	0	0	3684	6768	3341	0	0	332	14125	1.53
//	14:00	314.273	6094	0	0	0	.34	.75	.35	0	0	0	0	2913	6425	2998	0	0	332	12668	1.45
//	15:00	314.272	5792	0	0	0	.26	.75	.31	0	0	0	0	2227	6425	2656	0	0	332	11640	1.38
//	16:00	314.268	5512	0	0	0	.16	.73	.22	0	0	0	0	1311	6254	1885	0	0	332	9782	1.28
//	17:00	314.268	5335	0	0	0	.13	.73	.16	0	0	0	0	1114	6254	1311	0	0	332	9011	1.22
//	18:00	314.272	5082	0	0	0	.13	.73	.17	0	0	0	0	1114	6254	1456	0	0	332	9156	1.22
//	19:00	314.272	4752	0	0	0	.13	.73	.16	0	0	0	120	1114	6254	1311	0	0	332	9131	1.22
//	20:00	314.271	4474	0	0	0	.13	.73	.16	0	0	0	120	1114	6254	1311	0	0	332	9131	1.22
//	21:00	314.271	4222	0	0	0	.13	.73	.16	0	0	0	120	1114	6254	1311	0	0	332	9131	1.22

//	22:00	314.272	4045	0	0	0	.13	.73	.16	0	0	0	120	1114	6254	1311	0	0	332	9131	1.22
//	23:00	314.269	3793	0	0	0	.13	.72	.16	0	0	0	120	1114	6168	1311	0	0	332	9045	1.22
08/01/11	16:00	314.244	1818	0	0	0	0	.58	0	0	0	0	120	0	4969	0	0	0	332	5421	0.90
//	17:00	314.243	1818	0	0	0	0	.56	0	0	0	0	120	0	4797	0	0	0	332	5249	0.88
//	17:45	314.241	1758	0	0	0	0	.56	0	0	0	0	120	0	4797	0	0	0	332	5249	0.87
09/01/11	12:00	314.235	5547	0	0	0	0	.56	0	0	0	0	120	0	4797	0	0	0	332	5249	0.84
//	13:00	314.242	5156	1.0	0	0	0	.56	0	0	0	0	120	0	4797	0	0	0	332	5249	0.88
//	14:00	314.249	4731	0	0	0	0	.61	0	0	0	0	120	0	5226	0	0	0	332	5651	0.90
//	15:00	314.259	4379	0	0	0	0	.66	0	0	0	0	120	0	5654	0	0	0	332	6105	0.97
//	16:00	314.268	4068	0	0	0	0	.70	0	0	0	0	120	0	5997	0	0	0	332	6449	1.00
//	17:00	314.271	3876	0	0	0	0	.72	0	0	0	0	120	0	6168	0	0	0	332	6620	1.01
//	18:00	314.273	3528	0	0	0	.03	.74	.01	0	0	0	120	257	6339	86	0	0	332	7134	1.06
//	19:00	314.275	3376	0	0	0	.03	.74	.03	0	0	0	120	257	6339	257	0	0	332	7305	1.08
//	20:00	314.276	3100	0	0	0	.03	.74	.03	0	0	0	120	257	6339	257	0	0	332	7305	1.08
//	21:00	314.278	2961	0	0	0	.03	.74	.04	0	0	0	120	257	6339	383	0	0	332	7431	1.08
//	22:00	314.274	2738	0	0	0	.02	.70	.11	0	0	0	120	171	5997	942	0	0	332	7562	1.32
//	23:00	314.270	2644	0	0	0	.01	.68	.04	0	0	0	120	86	5825	383	0	0	332	6746	1.28
10/01/11	06:00	314.248	1975	0	0	0	0	.57	0	0	0	0	120	0	4883	0	0	0	332	5335	0.88
//	07:00	314.251	1979	0	0	0	0	.57	0	0	0	0	120	0	4883	0	0	0	332	5335	0.88
//	08:00	314.247	1877	0	0	0	0	.55	0	0	0	0	120	0	4712	0	0	0	332	5164	0.87
//	09:00	314.246	1820	0	0	0	0	.54	0	0	0	0	120	0	4626	0	0	0	332	5078	0.87
//	10:00	314.243	1784	0	0	0	0	.52	0	0	0	0	120	0	4455	0	0	0	332	4907	0.83
//	11:00	314.240	1743	0	0	0	0	.51	0	0	0	0	120	0	4369	0	0	0	332	4821	0.83

//	12:00	314.235	1716	0	0	0	0	.48	0	0	0	0	120	0	4112	0	0	0	332	4564	0.81
//	13:00	314.232	1739	0	0	0	0	.46	0	0	0	0	120	0	3941	0	0	0	332	4393	0.79
//	14:00	314.233	1811	0	0	0	0	.46	0	0	0	0	120	0	3941	0	0	0	332	4393	0.78
//	15:00	314.230	1929	0	0	0	0	.43	0	0	0	0	120	0	3684	0	0	0	332	4136	0.75
//	16:00	314.228	2222	0	0	0	0	.42	0	0	0	0	120	0	3598	0	0	0	332	4050	0.75
//	17:00	314.226	2601	0	0	0	0	.42	0	0	0	0	120	0	3598	0	0	0	332	4050	0.75
//	18:00	314.223	2774	0	0	0	0	.63	0	0	0	0	120	0	5397	0	0	0	332	5849	0.77
//	19:00	314.218	2978	0	0	0	0	.58	0	0	0	0	120	0	4969	0	0	0	332	5421	0.91
//	20:00	314.215	3610	0	0	0	0	.58	0	0	0	0	120	0	4969	0	0	0	332	5421	0.91
//	21:00	314.214	3767	0	0	0	0	.58	0	0	0	0	120	0	4969	0	0	0	332	5421	0.91
//	22:00	314.212	2770	0	0	0	0	.64	0	0	0	0	120	0	5483	0	0	0	332	5935	0.94
//	23:00	314.211	3740	0	0	0	0	.64	0	0	0	0	120	0	5483	0	0	0	332	5935	0.94
11/01/11	01:00	314.210	3506	3	0	0	0	.62	0	0	0	0	120	0	5311	0	0	0	332	5763	0.95
//	02:00	314.215	3649	4	0	0	0	.75	0	0	0	0	120	0	6425	0	0	0	332	6877	1.03
//	03:00	314.215	4132	2	0	0	0	.75	0	0	0	0	120	0	6425	0	0	0	332	6877	1.03
//	04:00	314.215	4955	0	0	0	0	.75	0	0	0	0	120	0	6425	0	0	0	332	6877	1.03
//	05:00	314.216	6600	1	0	0	0	.75	0	0	0	0	120	0	6425	0	0	0	332	6877	1.03
//	06:00	314.216	9102	0	0	0	0	075	0	0	0	0	120	0	6425	0	0	0	332	6877	1.03
//	07:00	314.223		8																	
//	08:00	314.211	31231	6	0	0	1.0	1.10	0.70	0	0	0	120	8567	8652	5997	0	0	332	14996	1.75
//	09:00	314.219	31423	4	0	0	.35	1.13	.42	0	0	0	120	2998	9680	3598	0	0	332	16728	1.60
//	10:00	314.213	48421	0	0	0	.95	1.55	.93	0	0	0	120	8138	12878	7967	0	0	332	29435	2.35
//	11:00	314.217	49709	0	0	0	.93	1.98	.93	0	0	0	120	6967	16093	7967	0	0	332	32479	2.55

//	12:00	314.228	46613	1.0	0	0	1.01	1.32	1.01	.41	.56	0	120	8652	11168	8652	3512	4797	332	37233	2.90
//	19:00	314.208	24066	0	0.52	0.82	0.93	1.95	0.88	0.34	1.21	4455	7025	7967	15868	7539	2913	10354	332	56453	4.00
//	20:00	314.211	21746	0	0.22	1.14	0.98	1.94	0.94	0.06	1.21	1885	9766	8395	15794	8053	513	10354	332	55092	3.78
//	21:00	314.202	19181	0	0.02	1.14	0.85	1.91	0.84	0.14	1.21	171	9766	7282	15569	7196	1200	10354	332	51870	3.67
//	22:00	314.191	17288	0	0	1.14	0.75	1.90	0.71	0.13	1.21	0	9766	6425	15495	6082	1114	10354	332	49568	3.54
//	23:00	314.170	15767	0	0	1.14	0.60	1.87	0.55	0.01	1.21	0	9766	5140	15270	4712	86	10354	332	45660	3.37
12/1/11	13:00	314.124	6770	0	0	0	0	1.85	0	0	0	0	400	0	15121	0	0	0	332	15853	1.60
//	14:00	314.113	6481	0	0	0	0	1.84	0	0	0	0	400	0	15047	0	0	0	332	15779	1.60
//	15:00	314.104	6095	0	0	0	0	1.84	0	0	0	0	400	0	15047	0	0	0	332	15779	1.60
//	16:00	314.094	5741	0	0	0	0	1.84	0	0	0	0	400	0	15047	0	0	0	332	15779	1.60
//	17:00	314.104	5507	0	0	0	0	0.33	0	0	0	0	400	0	2827	0	0	0	332	3559	0.65
//	18:00	314.118	5086	0	0	0	0	0.69	0	0	0	0	400	0	5911	0	0	0	332	6643	1.01
//	19:00	314.122	4860	0	0	0	0	1.02	0	0	0	0	400	0	8738	0	0	0	332	9470	1.23
//	20:00	314.118	4605	0	0	0	0	1.48	0	0	0	0	400	0	12355	0	0	0	332	13087	1.47
//	21:00	314.104	4135	0	0	0	0	1.85	0	0	0	0	400	0	15121	0	0	0	332	15853	1.63
//	22:00	314.108	4061	0	0	0	0	1.00	0	0	0	0	400	0	8567	0	0	0	332	9299	1.09
//	23:00	314.116	3814	0	0	0	0	1.07	0	0	0	0	400	0	9166	0	0	0	332	9898	1.25
//	24:00	314.113	N/A	0	0	0	0	.90	0	0	0	0	400	0	7710	0	0	0	332	8442	1.15
13/01/11	01:00	314.112	N/A	0	0	0	0	.65	0	0	0	0	400	0	5568	0	0	0	332	6300	1.30
//	02:00	314.102	N/A	0	0	0	0	1.35	0	0	0	0	400	0	11384	0	0	0	332	12116	1.39
//	03:00	314.093	N/A	0	0	0	0	1.12	0	0	0	0	400	0	9595	0	0	0	332	10327	1.27
//	04:00	314.085	N/A	0	0	0	0	0.83	0	0	0	0	400	0	7110	0	0	0	332	7842	1.34

//	05:00	314.078	N/A	0	0	0	0	1.42	0	0	0	0	400	0	11907	0	0	0	332	12639	1.42
//	06:00																				
//	07:00																				

Note! See sect;00 6 of Operating Manual

RA

RECORD OF GATE OPERATION DURING FLOOD COMMENCING 16 / 11 / 10
COOLMUNDA DAM

Date	Time	Reservoir Level	Measured Inflow	Rainfall at Dam	Gate Openings							Discharges through Gates							Outlet Valve Discharge	Total Discharge ATT. ML/D	D/Stream Discharge (From Gauge)
					1	2	3	4	5	6	7	1	2 Seal Leak	3	4	5	6	7			
14/01/11	06:00	314.112	N/A	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	332	732	0.20
//	07:00	314.112	N/A	0	0	0	0	0.80	0	0	0	0	400	0	685 3	0	0	0	332	7585	0.85
//	08:00	314.101	N/A	0	0	0	0	0.80	0	0	0	0	400	0	685 3	0	0	0	332	7585	1.03
//	10:00	314.086	977	0	0	0	0	0.40	0	0	0	0	400	0	3427	0	0	0	332	4159	0.74
//	13:00	314.071	902	0	0	0	0	0.26	0	0	0	0	400	0	222 7	0	0	0	332	2959	0.63
//	15:00	314.059	831	0	0	0	0	0.35	0	0	0	0	400	0	2998	0	0	0	332	3730	0.74
15/01/11	06:00	314.094	520	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	332	732	0.20
//	11:00	314.102	488	0	0	0	0	0.40	0	0	0	0	400	0	3427	0	0	0	332	4159	0.74
//	15:00	314.089	449	0	0	0	0	0.40	0	0	0	0	400	0	3427	0	0	0	332	4159	0.34
//	18:00	314.079	422	0	0	0	0	0.40	0	0	0	0	400	0	3427	0	0	0	332	4159	0.35
16/01/11	06:00	314.076	N/A	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	332	732	0.20
17/01/11	07:00	314.082	N/A	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	332	732	0.17

18/01/11	07:00	314.077	N/A	0	0	0	0	0	0	0	0	0	280	0	0	0	0	0	350	630	0.15
24/01/11	07:00	314.088	N/A	0	0	0	0	0	0	0	0	0	280	0	0	0	0	0	0	280	0
25/01/11	07:00	314.081	N/A	0	0	0	0	0	0	0	0	0	280	0	0	0	0	0	0	280	0

Note! See sect;00 6 of Operating Manual

04:00

Coolmunda Dam Event Report

Emergency Event Recording Sheets

- Description of Observed Damage

Access service ladders damaged and missing lower ladder, washed away

Access ramp to down stream area eroded away

Dam crest seal failure

Missing floating buoys

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 25/1/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.081				
Tail Water Level (m)			0				
Daily Rainfall (mm) Morning 9am			0				
Evening 3pm							

NORMAL FLOOD OPERATION EL 314.8 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Intake Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

Inspecting Officer's initials [redacted]

Fax to (tick if faxed)
- Asset Engineering Manager / Service Delivery Manager [redacted]
- Principal Engineer (Dam Safety) [redacted]

EMAILED 26-1-11

15 Feb 2011 2:16PM COOLMUNDA.DAM.. [redacted] p.1

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date 24-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m		314.088					
Tail Water Level (m)		0					
Daily Rainfall (mm) Morning 9am		0					
Evening 3pm		0					

NORMAL FLOOD OPERATION EL 314.8 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Northern Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]
Principal Engineer (Dam Safety) [redacted]

EMAILED 25/1/11

15 Feb 2011 2:16PM COOLMUNDA.DAM.. [redacted] p.2

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 18/1/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.077				
Tail Water Level (m)			0.15				
Daily Rainfall (mm) Morning 9am			0				
Evening 3pm			0				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]

Principal Engineer (Dam Safety) [redacted]

EMAILED 19/1/11

15 Feb 2011 2:17PM COOLMUNDA.DAM.. [redacted] p.3

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 17/1/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m		314.082					
Tail Water Level (m)		0.17					
Daily Rainfall (mm) Morning 9am		0					
Evening 3pm		0					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]

Principal Engineer (Dam Safety) [redacted]

EMAIL ED 18/1/11

15 Feb 2011 2:17PM COOLMUNDA.DAM.. [redacted] p.4

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 16-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**	314.07						
Tail Water Level (m)	0.2						
Daily Rainfall (mm) Morning 9am	0						
Evening 3pm	0						

NORMAL FLOOD OPERATION EL 314.0 m and rising	**STAGE 1** EL 314.07 - EL 314.17 m	**STAGE 2** EL 314.17-EL 314.38 m	**STAGE 3** EL 314.38 – EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 7:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W ✓		
Irrigation Control Structure			
Cracks, concrete deterioration	—		
Embankments			
Cracks, subsidence in pavement	W/D ✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face			
Subsidence, slides, erosion	W/D ✓		
Sign of seepage	✓		
Area Downstream of Dam			
Seepage from any location apart from seepage point	D ✓		
Seepage			
Seepage water Clear or Turbid (Tick for clear)	W/D ✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

EMailed 12/1/11

15 Feb 2011 2:18PM COOLMUNDA.DAM.. [redacted] P.5

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 15-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m							314.094
Tail Water Level (m)							0.20
Daily Rainfall (mm) Morning 9am							0
Evening 3pm							0

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

EMAILED 18/1/11

15 Feb 2011 2:18PM COOLMUNDA.DAM.. [redacted] p.6

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 14/1/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m						314.112	
Tail Water Level (m)						0.85	
Daily Rainfall (mm) Morning 9am						0	
Evening 3pm						0	

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	—	—	
Cracks, concrete deterioration	—	—	
Embankments	W/D	W/D	
Cracks, subsidence in pavement	✓	✓	
Upstream Face (Use binoculars)	W/D	W/D	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	W/D	W/D	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	D	D	
Seepage from any location apart from seepage point	✓	✓	
Seepage	W/D	W/D	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manage[redacted]
		Principal Engineer (Dam Safety) [redacted]

EMAILED 15/1/11

15 Feb 2011 2:19PM COOLMUNDA.DAM.. [redacted] p.7

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 13-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.067		
Tail Water Level (m)					0.87		
Daily Rainfall (mm) Morning 9am					0		
Evening 3pm					0		

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	–	–	–
Cracks, concrete deterioration	–	–	–
Embankments	W/D	W/D	W/D
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	W/D	W/D	W/D
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	W/D	W/D	W/D
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D	D	D
Seepage from any location apart from seepage point	✓	✓	✓
Seepage	W/D	W/D	W/D
Seepage water Clear or Turbid (Tick for clear)	✓	✓	✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		
		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

Emailed 14-1-11

15 Feb 2011 2:19PM COOLMUNDA.DAM.. [redacted] p.8

COOLMUNDA DAM EAP

Flood Operation

Visual inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 12-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314.151			
Tail Water Level (m)				1.65			
Daily Rainfall (mm) Morning 9am				0			
Evening 3pm				0			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs) 12:00	Third Inspection (+12 hrs) 17:00
(Walk OR Drive at 10 km/hour, Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	—	—	—
Cracks, concrete deterioration	—	—	—
Embankments	W/D	W/D	W/D
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	W/D	W/D	W/D
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	W/D	W/D	W/D
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D	D	D
Seepage from any location apart from seepage point	✓	✓	✓
Seepage	W/D	W/D	W/D
Seepage water Clear or Turbid (Tick for clear)	✓	✓	✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		
		Asset Engineering Manager / Service Delivery Manager [redacted]
	•	Principal Engineer (Dam Safety) [redacted]

EMAILED 13-1-11

15 Feb 2011 2:20PM COOLMUNDA.DAM.. [redacted] p.9

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 11-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.223				
Tail Water Level (m)			1.03				
Daily Rainfall (mm) Morning 9am			13.00				
Evening 3pm			7.0				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

EMAILED 12/1/11

15 Feb 2011 2:20PM COOLMUNDA.DAM.. [redacted] p.10

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 10-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m		314.251					
Tail Water Level (m)		0.88					
Daily Rainfall (mm) Morning 9am		1.0					
Evening 3pm		3.0					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

EMAILED 11-1-11

15 Feb 2011 2:22PM COOLMUNDA.DAM.. [redacted] P.1

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 9/1/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314.223						
Tail Water Level (m)	0.75						
Daily Rainfall (mm) Morning 9am	6.0						
Evening 3pm	0						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 7:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/O		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/O		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/O		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	O		
Seepage from any location apart from seepage point	✓		
Seepage	W/O		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

EMAILED 10-1-10

15 Feb 2011 2:22PM COOLMUNDA.DAM.. [redacted] p.2

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 8-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m							314.258
Tail Water Level (m)							0.95
Daily Rainfall (mm) Morning 9am							0
Evening 3pm							0

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manage[redacted]

Principal Engineer (Dam Safety) [redacted]

9/1/11
Email to EEC

15 Feb 2011 2:22PM COOLMUNDA.DAM.. [redacted] P.3

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 7-1-11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m						314.320	
Tail Water Level (m)						1.88	
Daily Rainfall (mm) Morning 9am						1.0	
Evening 3pm						0	

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

8/1/11
Email To DEL

15 Feb 2011 2:23PM COOLMUNDA.DAM.. [redacted] p.4

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 06/01/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.211		
Tail Water Level (m)					0.74		
Daily Rainfall (mm) Morning 9am					21.0		
Evening 3pm					4.0		

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	–		
Cracks, concrete deterioration	–		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

7/1/11
EMAIL TO ERC.

15 Feb 2011 2:23PM COOLMUNDA.DAM.. [redacted] p.5

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 05/01/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314.200			
Tail Water Level (m)				0.16			
Daily Rainfall (mm) Morning 9am				0			
Evening 3pm				35			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick If Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	✓		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manage[redacted]
		Principal Engineer (Dam Safety) [redacted]

6/1/11

EMAIL TO ZZC

15 Feb 2011 2:23PM COOLMUNDA.DAM.. [redacted] p.6

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 04/01/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.203				
Tail Water Level (m)			0.23				
Daily Rainfall (mm) Morning 9am			6.0				
Evening 3pm			0				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes, New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

5/1/11

EMAIL TO EEC

15 Feb 2011 2:24PM COOLMUNDA.DAM.. [redacted] p.7

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 03/01/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m		314·188					
Tail Water Level (m)		0·01					
Daily Rainfall (mm) Morning 9am		0					
Evening 3pm		0					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

4/1/11

Email To EAC

15 Feb 2011 2:24PM COOLMUNDA.DAM.. [redacted] p.8

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 2/01/11

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314.195						
Tail Water Level (m)	0.03						
Daily Rainfall (mm) Morning 9am	2.4						
Evening 3pm	1.0						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m	
	Morning	(Tick if Gates are Closed)		
	Evening	(Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection @7:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

3/1/11
EMAIL TO ETC.

15 Feb 2011 2:24PM COOLMUNDA.DAM.. [redacted] P.9

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 31-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**						314.202	
Tail Water Level (m)						0.27	
Daily Rainfall (mm) Morning 9am						0	
Evening 3pm						0	

NORMAL FLOOD OPERATION EL 314.0 m and rising	**STAGE 1 EL 314.07 - EL 314.17 m**	**STAGE 2 EL 314.17-EL 314.38 m**	**STAGE 3 EL 314.38 -EL 315.44m**	
	Morning	(Tick if Gates are Closed)		
	Evening	(Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

2/01/11

Email to REC.

15 Feb 2011 2:25PM COOLMUNDA.DAM.. [redacted] P.10

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 30-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.207		
Tail Water Level (m)					0.40		
Daily Rainfall (mm) Morning 9am					0		
Evening 3pm					0		

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
	✓	Principal Engineer (Dam Safety) [redacted]

31/12/10

EMAIL TO EEC.

15 Feb 2011 2:25PM COOLMUNDA.DAM.. [redacted] p.11

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 29-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314·223			
Tail Water Level (m)				0·80			
Daily Rainfall (mm) Morning 9am				0			
Evening 3pm				0			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

[redacted]

Inspecting Officer's initials [redacted]

Fax to (tick if faxed) — Asset Engineering Manager / Service Delivery Manager [redacted] — Principal Engineer (Dam Safety) [redacted]

Emailed 30-12-10

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date 28-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.290				
Tail Water Level (m)			1.70				
Daily Rainfall (mm) Morning 9am			0				
Evening 3pm			0				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

29/12/10
EMAIL TO EEC.

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 27-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m		314.154					
Tail Water Level (m)		0					
Daily Rainfall (mm) Morning 9am		6.4					
Evening 3pm		6.4					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
	Morning ✓ (Tick if Gates are Closed)		
	Evening ✓ (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

[redacted]

Inspecting Officer's initials [redacted]

Fax to (tick if faxed)
- Asset Engineering Manager / Service Delivery Manager [redacted]
- ✓ Principal Engineer (Dam Safety) [redacted]

[redacted]

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 26-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314.150						
Tail Water Level (m)	0						
Daily Rainfall (mm) Morning 9am	1						
Evening 3pm	10.4						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m	
	Morning ✓	(Tick if Gates are Closed)		
	Evening ✓	(Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted] Principal Engineer (Dam Safety) [redacted]

[redacted]

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 25-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m							314-162
Tail Water Level (m)							0
Daily Rainfall (mm) Morning 9am							0-4
Evening 3pm							1

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning ✓ (Tick if Gates are Closed)		
	Evening ✓ (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W+D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's Initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

[redacted]

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 24/12/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m						314.176	
Tail Water Level (m)						0	
Daily Rainfall (mm) Morning 9am						0	
Evening 3pm						0.2	

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's Initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager (07) 3884 5312
		Principal Engineer (Dam Safety) (07) 3120 0255

Emailed to [redacted]

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 23-12-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.182		
Tail Water Level (m)					0		
Daily Rainfall (mm) Morning 9am					0		
Evening 3pm					4.0		

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

24-12-10
EMAIL TO EEC

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 4/11/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m							
Tail Water Level (m)					314.074		
Daily Rainfall (mm) Morning 9am					0.180		
Evening 3pm					0		
NORMAL FLOOD OPERATION EL 314.0 m and rising					12.0		

	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	✓		
Irrigation Control Structure			
Cracks, concrete deterioration	—		
Embankments			
Cracks, subsidence in pavement	W/D ✓		
Upstream Face			
(Use binoculars) Settlement	W/D ✓		
Displacement of riprap material	✓		
Downstream face			
Subsidence, slides, erosion	W/D ✓		
Sign of seepage	✓		
Area Downstream of Dam			
Seepage from any location apart from seepage point	✓		
Seepage			
Seepage water Clear or Turbid (Tick for clear)	W/D ✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (Tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

5/11/10
EMAIL TO EEL.

15 Feb 2011 11:47AM COOLMUNDA.DAM.. [redacted] p.1

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording Instructions **

Date: 3/11/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314-081			
Tail Water Level (m)				0.638			
Daily Rainfall (mm) Morning 9am				0			
Evening 3pm				0			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W ✓		
Irrigation Control Structure			
Cracks, concrete deterioration	—		
Embankments			
Cracks, subsidence in pavement	W/D ✓		
Upstream Face			
(Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face			
Subsidence, slides, erosion	W/D ✓		
Sign of seepage	✓		
Area Downstream of Dam			
Seepage from any location apart from seepage point	D ✓		
Seepage			
Seepage water Clear or Turbid (Tick for clear)	W/D ✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]

Principal Engineer (Dam Safety) [redacted]

4/11/10

EMAILED TO SEC

15 Feb 2011 11:47AM COOLMUNDA.DAM.. [redacted] p.2

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 2-11-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.112				
Tail Water Level (m)			0.693				
Daily Rainfall (mm) Morning 9am			2				
Evening 3pm			0				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
Morning	✓ (Tick if Gates are Closed)		
Evening	✓ (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W ✓		
Irrigation Control Structure			
Cracks, concrete deterioration	—		
Embankments			
Cracks, subsidence in pavement	W/D ✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face			
Subsidence, slides, erosion	W/D		
Sign of seepage	✓		
Area Downstream of Dam			
Seepage from any location apart from seepage point	D ✓		
Seepage			
Seepage water Clear or Turbid (Tick for clear)	W/D ✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

3/11/10
EMAILED TO EEC

15 Feb 2011 11:47AM COOLMUNDA.DAM.. [redacted] P.3

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 1/11/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m		314.121					
Tail Water Level (m)		0.632					
Daily Rainfall (mm) Morning 9am		0					
Evening 3pm		3.0					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W ✓		
Irrigation Control Structure			
Cracks, concrete deterioration	—		
Embankments			
Cracks, subsidence in pavement	W/D ✓		
Upstream Face			
(Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face			
Subsidence, slides, erosion	W/D		
Sign of seepage	✓		
Area Downstream of Dam			
Seepage from any location apart from seepage point	W/D ✓		
Seepage			
Seepage water Clear or Turbid (Tick for clear)	W/D ✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (Tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

15 Feb 2011 11:47AM COOLMUNDA.DAM.. [redacted] p.4

COOLMUNDA DAM EAP

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Flood Operation

Date: 31/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314.142						
Tail Water Level (m)	0.628						
Daily Rainfall (mm) Morning 9am	0						
Evening 3pm	0						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
Morning	✓	(Tick if Gates are Closed)	
Evening	✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W ✓		
Irrigation Control Structure			
Cracks, concrete deterioration	—		
Embankments			
Cracks, subsidence in pavement	W/D ✓		
Upstream Face			
(Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face			
Subsidence, slides, erosion	W/D ✓		
Sign of seepage	✓		
Area Downstream of Dam			
Seepage from any location apart from seepage point	W/D ✓		
Seepage			
Seepage water Clear or Turbid (Tick for clear)	W/D ✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]

Principal Engineer (Dam Safety) [redacted]

1/11/10

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15 Feb 2011 11:48AM COOLMUNDA.DAM.. [redacted] p.5

COOLMUNDA DAM EAP

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Flood Operation

Date: 30/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m							314.162
Tail Water Level (m)							0.618
Daily Rainfall (mm) Morning 9am							0
Evening 3pm							0

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
	Morning ✓ (Tick if Gates are Closed)		
	Evening ✓ (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	W/D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		
		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

31/10/10
EMAILED TO EEC

15 Feb 2011 11:48AM COOLMUNDA.DAM.. [redacted] p.6

COOLMUNDA DAM EAP

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

DATE 29/10/10

	SUN	MON	TUE	WE	THU	FRI	SAT
Stored Water Level FSL 314.07m						314.180	
Tail Water Level (m)						0.608	
Daily Rainfall (mm) Morning 9am						0	
Evening 3pm						0	

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	E
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	S Inspection (+0	Th Inspe (+12
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	W/D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)	Asset Engineering Manager
	Manager [redacted]
	Principal Engineer (Dam Sa
	[redacted]

30/10/10
EMAILED TO E&L.

Section 6

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 28-10-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.191		
Tail Water Level (m)					0.652		
Daily Rainfall (mm) Morning 9am					0		
Evening 3pm					0		

? NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's Initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

29/10/10
EMAILED TO CRC.

15 Feb 2011 11:49AM COOLMUNDA.DAM.. [redacted] p.8

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 27/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314.195			
Tail Water Level (m)				0.752			
Daily Rainfall (mm) Morning 9am				0			
Evening 3pm				0			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

15 Feb 2011 11:49AM COOLMUNDA.DAM.. [redacted] p.9

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 26/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.195				
Tail Water Level (m)			1.111				
Daily Rainfall (mm) Morning 9am			0				
Evening 3pm			0				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION (Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
Spillway Channel			
Erosion, damage to concrete structure	W ✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments			
Cracks, subsidence in pavement	W/D ✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face			
Subsidence, slides, erosion	W/D ✓		
Sign of seepage	✓		
Area Downstream of Dam			
Seepage from any location apart from seepage point	W/D ✓		
Seepage			
Seepage water Clear or Turbid (Tick for clear)	W/D ✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

15 Feb 2011 11:49AM COOLMUNDA.DAM.. [redacted] p.10

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 25/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m		314.223					
Tail Water Level (m)		1.830					
Daily Rainfall (mm) Morning 9am		6 mm					
Evening 3pm		0					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 -EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	—	—	
Cracks, concrete deterioration	—	—	
Embankments	W/D	W/D	
Cracks, subsidence in pavement	✓	✓	
Upstream Face (Use binoculars)	W/D	W/D	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	W/D	W D	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	W/D	D	
Seepage from any location apart from seepage point	✓	✓	
Seepage	W/D	W/D	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		
		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

15 Feb 2011 11:50AM COOLMUNDA.DAM.. [redacted] p.11

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording Instructions **

Date: 24/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314.147						
Tail Water Level (m)	0.699						
Daily Rainfall (mm) Morning 9am	0						
Evening 3pm	0						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening ✓	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	W/D		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	W/D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

25/10/10

EMAILED TO EEC.

15 Feb 2011 11:50AM COOLMUNDA.DAM.. [redacted] p.12

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 3/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314.186						
Tail Water Level (m)	0.725						
Daily Rainfall (mm) Morning 9am	—						
Evening 3pm	—						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m	
	Morning	(Tick if Gates are Closed)		
	Evening	(Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W		
Irrigation Control Structure	✓		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	D/W		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	W/D		
Seepage from any location apart from seepage point	✓		
Seepage	W/D		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

4/10/10

FAXED AT 09:05

15 Feb 2011 11:52AM COOLMUNDA.DAM.. [redacted] p.1

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 2/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m							314.186
Tail Water Level (m)							0.748
Daily Rainfall (mm) Morning 9am							—
Evening 3pm							

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	—		
Cracks, concrete deterioration	—		
Embankments	W/D		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	W/D		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	D/W		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D/W		
Seepage from any location apart from seepage point	✓		
Seepage	D/W		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed) ☐

Asset Engineering Manager / Service Delivery Manage[redacted]

Principal Engineer (Dam Safety) [redacted]

3/10/10

FAXED AT 08:30HRS.

15 Feb 2011 11:52AM COOLMUNDA.DAM.. [redacted] p.2

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 1/10/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m						314.192	
Tail Water Level (m)						0.993	
Daily Rainfall (mm) Morning 9am						—	
Evening 3pm						—	

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection 13:00	Third Inspection
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	—	—	
Cracks, concrete deterioration	—	—	
Embankments	W/D	W/D	
Cracks, subsidence in pavement	✓	✓	
Upstream Face (Use binoculars)	W/D	W/D	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	W/D	W/D	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	D	D/W	
Seepage from any location apart from seepage point	✓	✓	
Seepage	W/D	W/D	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

02/10/10
FAXED AT 08:25

15 Feb 2011 11:52AM COOLMUNDA.DAM.. [redacted] p.3

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 30-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.191		
Tail Water Level (m)					1.346		
Daily Rainfall (mm) Morning 9am					—		
Evening 3pm					—		

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection 15:[illegible]
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		W
Erosion, damage to concrete structure	✓		✓
Irrigation Control Structure	—		—
Cracks, concrete deterioration	—		—
Embankments	W/D		W/D
Cracks, subsidence in pavement	✓		✓
Upstream Face (Use binoculars)	W/D		W/D
Settlement	✓		✓
Displacement of riprap material	✓		✓
Downstream face	W/D		W/D
Subsidence, slides, erosion	✓		✓
Sign of seepage	✓		✓
Area Downstream of Dam	D		D
Seepage from any location apart from seepage point	✓		✓
Seepage	W/D		W/D
Seepage water Clear or Turbid (Tick for clear)	✓		✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	[redacted]
Fax to (tick if faxed)	✓	Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

01/10/10
FAXED 08:45

15 Feb 2011 11:52AM COOLMUNDA.DAM.. [redacted] p.4

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 29-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314.199			
Tail Water Level (m)				1.746			
Daily Rainfall (mm) Morning 9am				0.2			
Evening 3pm				—			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 --EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07.00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		W
Erosion, damage to concrete structure	✓		✓
Irrigation Control Structure	—		—
Cracks, concrete deterioration	—		—
Embankments	W/D		W/D
Cracks, subsidence in pavement	✓		✓
Upstream Face (Use binoculars)	W/D		W/D
Settlement	✓		✓
Displacement of riprap material	✓		✓
Downstream face	W/D		W/D
Subsidence, slides, erosion	✓		✓
Sign of seepage	✓		✓
Area Downstream of Dam	D		D
Seepage from any location apart from seepage point	✓		✓
Seepage	W/D		W/D
Seepage water Clear or Turbid (Tick for clear)	✓		✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 30-9-10 @ 8-30

15 Feb 2011 11:53AM COOLMUNDA.DAM.. [redacted] p.5

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 28/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**			314.204				
Tail Water Level (m)			1.780				
Daily Rainfall (mm) Morning 9am			5				
Evening 3pm			—				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection ~~17:00~~
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		W
Erosion, damage to concrete structure	✓		✓
Irrigation Control Structure	—		—
Cracks, concrete deterioration	—		—
Embankments	W/D		W/D
Cracks, subsidence in pavement	✓		✓
Upstream Face (Use binoculars)	W/D		W/D
Settlement	✓		✓
Displacement of riprap material	✓		✓
Downstream face	W/D		W/D
Subsidence, slides, erosion	✓		✓
Sign of seepage	✓		✓
Area Downstream of Dam	W/D		D
Seepage from any location apart from seepage point	✓		✓
Seepage	W/D		W/D
Seepage water Clear or Turbid (Tick for clear)	✓		✓

Details of significant changes. New occurrences and issues warranting further attention

Inspecting Officer's initials	[redacted]	[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted] ✓
		Principal Engineer (Dam Safety) [redacted]

E/MAILED
29-9-10 08:30

15 Feb 2011 11:53AM COOLMUNDA.DAM.. [redacted] p.6

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 27-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**		314.236					
Tail Water Level (m)		1.901					
Daily Rainfall (mm) Morning 9am		—					
Evening 3pm		—					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection 18~~00hrs~~
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		W
Erosion, damage to concrete structure	✓		✓
Irrigation Control Structure	—		—
Cracks, concrete deterioration	—		—
Embankments	W/D		W/D
Cracks, subsidence in pavement	✓		✓
Upstream Face (Use binoculars)	W/D		W/D
Settlement	✓		✓
Displacement of riprap material	✓		✓
Downstream face	W/D		W/D
Subsidence, slides, erosion	✓		✓
Sign of seepage	✓		✓
Area Downstream of Dam	D		D
Seepage from any location apart from seepage point	✓		✓
Seepage	W/D		W/D
Seepage water Clear or Turbid (Tick for clear)	✓		✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	
Fax to (tick if faxed)	✓	Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 7.50
28-9-10

15 Feb 2011 11:53AM COOLMUNDA.DAM.. [redacted] p.7

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date 26-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**	314.294						
Tail Water Level (m)	2.540						
Daily Rainfall (mm) Morning 9am	—						
Evening 3pm	—						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection 1800 (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		W
Erosion, damage to concrete structure	✓		✓
Irrigation Control Structure	—		—
Cracks, concrete deterioration	—		—
Embankments	W/D		W/D
Cracks, subsidence in pavement	✓		✓
Upstream Face (Use binoculars)	W/D		W/D
Settlement	✓		✓
Displacement of riprap material	✓		✓
Downstream face	W/D		W/D
Subsidence, slides, erosion	✓		✓
Sign of seepage	✓		✓
Area Downstream of Dam	D		D
Seepage from any location apart from seepage point	✓		✓
Seepage	W/D		W/D
Seepage water Clear or Turbid (Tick for clear)	✓		✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 27-9-10 @ 6.30

15 Feb 2011 11:54AM COOLMUNDA.DAM.. [redacted] p.8

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 25/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**							314.249
Tail Water Level (m)							2.056m
Daily Rainfall (mm) Morning 9am							14.0mm
Evening 3pm							7.0mm

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection ~~(+6 hrs)~~ 13:00	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	—	—	
Cracks, concrete deterioration	—	—	
Embankments	W/D	W/D	
Cracks, subsidence in pavement	✓	✓	
Upstream Face (Use binoculars)	D	W/D	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	D	W/D	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	D	W/D	
Seepage from any location apart from seepage point	✓	✓	
Seepage	W/D	W/D	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed) ☐ Asset Engineering Manager / Service Delivery Manager [redacted]
Principal Engineer (Dam Safety) [redacted]

FAXED 26-9-10 @ 7.30

[redacted]

15 Feb 2011 11:54AM COOLMUNDA.DAM.. p.9

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 24/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m						314.192	
Tail Water Level (m)						1.020	
Daily Rainfall (mm) Morning 9am						—	
Evening 3pm						10	

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First inspection 0700	Second Inspection (~~48 hrs~~)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	N/A.	N/A.	
Cracks, concrete deterioration			
Embankments	W/D	W/D	
Cracks, subsidence in pavement			
Upstream Face (Use binoculars)	W/D	W/D	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	W/D	W/D	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	W/D	D	
Seepage from any location apart from seepage point	✓	✓	
Seepage	W/D	W/D	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's Initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 25-9-10

15 Feb 2011 11:54AM COOLMUNDA.DAM.. [redacted] p.10

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 23/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.192		
Tail Water Level (m)					1.316		
Daily Rainfall (mm) Morning 9am					—		
Evening 3pm					2		

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 0700	Second Inspection ~~(6 hrs)~~	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	N/A	N/A	
Cracks, concrete deterioration			
Embankments	D/W	D/W	
Cracks, subsidence in pavement	✓	✓	
Upstream Face (Use binoculars)	D/W	D/W	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	D/W	D/W	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	D/W	D/W	
Seepage from any location apart from seepage point	✓	✓	
Seepage	D/W	D/W	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

[redacted]

Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]

Principal Engineer (Dam Safety) [redacted]

FAXED 24-9-10

15 Feb 2011 11:55AM COOLMUNDA.DAM.. [redacted] p.11

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 22/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314.194			
Tail Water Level (m)				1.500			
Daily Rainfall (mm) Morning 9am				—			
Evening 3pm				—			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection 12:00	Third Inspection 18:00
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	N/A	N/A.	N/A.
Cracks, concrete deterioration			
Embankments	W/D	W/D	W/D
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	W/D	W/D	W/D
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	W/D	W/D	W/D
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D	D	D
Seepage from any location apart from seepage point	✓	✓	✓
Seepage	W/D	W/D	W/D
Seepage water Clear or Turbid (Tick for clear)	✓	✓	✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 23-9-10 @ 7.20

15 Feb 2011 11:55AM COOLMUNDA.DAM.. [redacted] p.12

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 21/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.203				
Tail Water Level (m)			1.766				
Daily Rainfall (mm) Morning 9am			7				
Evening 3pm			—				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 0700	Second Inspection [redacted]	Third Inspection [redacted]
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	N/A	N/A	N/A
Cracks, concrete deterioration	—	—	—
Embankments	D/W	D/W	D/W
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	D/W	D/W	D/W
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	D/W	D/W	D/W
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D	D	D
Seepage from any location apart from seepage point	✓	✓	✓
Seepage	D/W	D/W	D/W
Seepage water Clear or Turbid (Tick for clear)	✓	✓	✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 22-9-10 @ 0730

15 Feb 2011 11:56AM COOLMUNDA.DAM.. [redacted] p.13

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 20-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**		314.192					
Tail Water Level (m)		.725					
Daily Rainfall (mm) Morning 9am		19					
Evening 3pm		5					

NORMAL FLOOD OPERATION EL 314.0 m and rising	**STAGE 1 EL 314.07 - EL 314.17 m**	**STAGE 2 EL 314.17-EL 314.38 m**	**STAGE 3 EL 314.38 –EL 315.44m**
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION	First Inspection 07:00	Second Inspection ~~12:00hrs~~	Third Inspection ~~18:12hrs~~
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	N/A	N/A	–
Cracks, concrete deterioration	N/A	N/A	–
Embankments	D/W	D/W	D/W
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	D/W	W/D	D/W
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	D/W	W/D	D/W
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D/W	D	D
Seepage from any location apart from seepage point	✓	✓	✓
Seepage	D/W	D/W	D/W
Seepage water Clear or Turbid (Tick for clear)	✓	T	T

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 21-9-10 @ 7.50

15 Feb 2011 11:56AM COOLMUNDA.DAM.. [redacted] p.14

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 19/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314.179						
Tail Water Level (m)	0.663						
Daily Rainfall (mm) Morning 9am	—						
Evening 3pm							

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning ✓	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W		
Irrigation Control Structure	✓		
Cracks, concrete deterioration	N/A		
Embankments	N/A		
Cracks, subsidence in pavement	D/W		
Upstream Face	✓		
(Use binoculars)	D/W		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	D/W		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D/W		
Seepage from any location apart from seepage point	✓		
Seepage	D/W		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's Initials [redacted]

Fax to (tick if faxed)		
		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

20/9/10

FAXED AT 08:30

15 Feb 2011 11:56AM COOLMUNDA.DAM.. [redacted] p.15

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 18/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m							
Tail Water Level (m)							314.186
Daily Rainfall (mm) Morning 9am							0.673
Evening 3pm							—
NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m		STAGE 2 EL 314.17-EL 314.38 m		STAGE 3 EL 314.38 –EL 315.44m		—
	Morning			(Tick if Gates are Closed)			
	Evening			(Tick if Gates are Closed)			

VISUAL INSPECTION	First Inspection 07:00	Second Inspection (+6 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W		
Erosion, damage to concrete structure	✓		
Irrigation Control Structure	N/A		
Cracks, concrete deterioration	N/A		
Embankments	D/W		
Cracks, subsidence in pavement	✓		
Upstream Face (Use binoculars)	D/W		
Settlement	✓		
Displacement of riprap material	✓		
Downstream face	D/W		
Subsidence, slides, erosion	✓		
Sign of seepage	✓		
Area Downstream of Dam	D/W		
Seepage from any location apart from seepage point	✓		
Seepage	D/W		
Seepage water Clear or Turbid (Tick for clear)	✓		

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]

Principal Engineer (Dam Safety) [redacted]

19/9/10

FAXED 08:57

15 Feb 2011 11:57AM COOLMUNDA.DAM.. [redacted] p.16

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 17/9/10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m						314.190	
Tail Water Level (m)						0.773	
Daily Rainfall (mm) Morning 9am						—	
Evening 3pm						—	

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION (Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)	First Inspection 07:00 Hrs	Second Inspection (+6 hrs) 14:00 Hrs	Third Inspection (+12 hrs)
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	N/A	N/A	
Cracks, concrete deterioration	N/A	N/A	
Embankments	D/W	D/W	
Cracks, subsidence in pavement	✓	✓	
Upstream Face (Use binoculars)	D/W	D/W	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	D/W	D/W	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	D	D	
Seepage from any location apart from seepage point	✓	✓	
Seepage	D/W	D/W	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

18/9/10
FAXED 09:45 Hrs

15 Feb 2011 12:01PM COOLMUNDA.DAM.. [redacted] p.1

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date 16-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m					314.191		
Tail Water Level (m)					0.917		
Daily Rainfall (mm) Morning 9am					—		
Evening 3pm					—		

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning (Tick if Gates are Closed)		
	Evening (Tick if Gates are Closed)		

VISUAL INSPECTION (Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)	First Inspection 07:00	Second Inspection (+6 hrs) 13:00	Third Inspection (+12 hrs)
Spillway Channel	W	W	
Erosion, damage to concrete structure	✓	✓	
Irrigation Control Structure	N/A	N/A	
Cracks, concrete deterioration	✓		
Embankments	D/W	D/W	
Cracks, subsidence in pavement	✓	✓	
Upstream Face (Use binoculars)	D/W	D/W	
Settlement	✓	✓	
Displacement of riprap material	✓	✓	
Downstream face	D/W	W/D	
Subsidence, slides, erosion	✓	✓	
Sign of seepage	✓	✓	
Area Downstream of Dam	D	D	
Seepage from any location apart from seepage point	✓	✓	
Seepage	D/W	W/D	
Seepage water Clear or Turbid (Tick for clear)	✓	✓	

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)

Asset Engineering Manager / Service Delivery Manager [redacted]

Principal Engineer (Dam Safety) [redacted]

17/9/10
FAXED AT 08:55HRS

15 Feb 2011 12:01PM COOLMUNDA.DAM.. [redacted] P.2

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 15-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m				314.193			
Tail Water Level (m)				1.260			
Daily Rainfall (mm) Morning 9am				—			
Evening 3pm				—			

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 0700	Second Inspection (+6 hrs)	Third Inspection ~~(+12 hrs)~~
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel			
Erosion, damage to concrete structure	W ✓		W ✓
Irrigation Control Structure			
Cracks, concrete deterioration	N/A		N/A ✓
Embankments			
Cracks, subsidence in pavement	D/W ✓		D/W ✓
Upstream Face (Use binoculars)			
Settlement	D/W ✓		D/W ✓
Displacement of riprap material	✓		✓
Downstream face			
Subsidence, slides, erosion	D/W ✓		D/W ✓
Sign of seepage	✓		✓
Area Downstream of Dam			
Seepage from any location apart from seepage point	D ✓		D ✓
Seepage			
Seepage water Clear or Turbid (Tick for clear)	D/W ✓		D/W ✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials	[redacted]	[redacted]
Fax to (tick if faxed)	✓	Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safely) [redacted]

FAXED 16-9-10 ✓

15 Feb 2011 12:01PM COOLMUNDA.DAM.. [redacted] p.3

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 14-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m			314.199				
Tail Water Level (m)			1.181				
Daily Rainfall (mm) Morning 9am			0.8				
Evening 3pm			7				

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning	(Tick if Gates are Closed)	
	Evening	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 6	Second Inspection (+8 hrs)	Third Inspection (+12 hrs)
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	N/A	N/A	N/A
Cracks, concrete deterioration			
Embankments	W/D	W/D	W/D
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	W/D	W/D	W/D
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	W/D	W/D	W/D
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D	D	D
Seepage from any location apart from seepage point	✓	✓	✓
Seepage	D/W	W/D	W/D
Seepage water Clear or Turbid (Tick for clear)	✓	✓	✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials		[redacted]
Fax to (tick if faxed)		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 15-9-10
07.45

15 Feb 2011 12:01PM COOLMUNDA.DAM.. [redacted] P.4

COOLMUNDA DAM EAP — Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 13 – 9 – 10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level **FSL 314.07m**		314.185					
Tail Water Level (m)		0.271					
Daily Rainfall (mm) Morning 9am		—					
Evening 3pm		—					

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 – EL 315.44m
	Morning ✓	314.185 ✓ (Tick if Gates are Closed)	
	Evening	314 (Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 6 am	Second Inspection (+6 hrs) 1200	Third Inspection (+12 hrs) 1800
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	N/A	N/A.	N/A
Cracks, concrete deterioration	N/A.	N/A.	N/A
Embankments	D/W	D/W	D/W
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	D/W	D/W	D/W
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	D/W	D/W	D/W
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D	D	D
Seepage from any location apart from seepage point	✓	✓	✓
Seepage	D/W	D/W	D/W
Seepage water Clear or Turbid (Tick for clear)	✓	✓	✓

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		
		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 14-9-10 @ 8:05

15 Feb 2011 12:02PM COOLMUNDA.DAM.. [redacted] p.5

COOLMUNDA DAM EAP

Flood Operation

Visual Inspection and Storage Report
Note: Refer to Page 2 for recording instructions **

Date: 12-9-10

	SUN	MON	TUE	WED	THU	FRI	SAT
Stored Water Level FSL 314.07m	314·094						
Tail Water Level (m)	0·260						
Daily Rainfall (mm) Morning 9am	—						
Evening 3pm	—						

NORMAL FLOOD OPERATION EL 314.0 m and rising	STAGE 1 EL 314.07 - EL 314.17 m	STAGE 2 EL 314.17-EL 314.38 m	STAGE 3 EL 314.38 –EL 315.44m
	Morning ✓ 314·065	(Tick if Gates are Closed)	
	Evening ✓ 314·143	(Tick if Gates are Closed)	

VISUAL INSPECTION	First Inspection 6am	Second Inspection (+6 hrs) 12pm	Third Inspection (+12 hrs) 6pm
(Walk OR Drive at 10 km/hour. Write 'W' for walk and 'D' for Drive)			
Spillway Channel	W	W	W
Erosion, damage to concrete structure	✓	✓	✓
Irrigation Control Structure	N/A.	N/A	N/A
Cracks, concrete deterioration			
Embankments	D+W	D+W	D+W
Cracks, subsidence in pavement	✓	✓	✓
Upstream Face (Use binoculars)	D/W	D+W	D+W
Settlement	✓	✓	✓
Displacement of riprap material	✓	✓	✓
Downstream face	D/W	D/W	D/W
Subsidence, slides, erosion	✓	✓	✓
Sign of seepage	✓	✓	✓
Area Downstream of Dam	D	D	D
Seepage from any location apart from seepage point			
Seepage	✓	✓	✓
Seepage water Clear or Turbid (Tick for clear)			

Details of significant changes. New occurrences and issues warranting further attention

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Inspecting Officer's initials [redacted]

Fax to (tick if faxed)		
		Asset Engineering Manager / Service Delivery Manager [redacted]
		Principal Engineer (Dam Safety) [redacted]

FAXED 13-9-10@11·30

15 Feb 2011 12:02PM COOLMUNDA.DAM.. [redacted] p.6

Coolmunda Dam Event Report

Emergency Event Recording Sheets

- Record of Communication sheet

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
6/1/11	23:30	Inglewood Police	OUT	FLOOD ADVICE (PEAK PASSED)	[redacted]
7/1/11	7:00	NRW	IN	DAM STATUS.	
7/1/11	9:00	Key Contacts	OUT	DAM STATUS & FLOOD REPORT.	
11/1/11	8:30am	Mark H.	IN	COOLMUNDA CONT TO MANUAL OPERATION 3 SHIFTS (TRASH IN INTAKES)	
11/1/11	9:39	QLD contacted Disaster Management	out	Pre Warning releases & catchment rainfall	
11/1/11	13:00	Doug Rabbit	IN	FL 314.224 INFLOW 42574 OUT 58937 TW 34.4	
11/1/11	16:00	Key Contacts	OUT	DAM STATUS	
11/1/11	20:30	Rick Woodward	IN	DAM STATUS FL 314.208 OUT 56583 TW 4.00	
12/1/11	8:00	Doug Rabbit	IN	RECORD OF DAM STATUS	
12/1/11	9:30	Key Contacts	OUT	DAM STATUS.	
12/1/11	9:00pm	New Cole	out	Manual operation, pipes blocked, difficult manual operation	[redacted]

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
27/12/10	14:00	NEW Cook	out	Request for Dam Status	[redacted]
27/12/10	1430	Disaster Man Group	out	Advise of Imminent Release	[redacted]
27/12/10	15.00	Ron Kroua	out	Discuss of Flood Report	[redacted]
27/12/10	20:30	Ron Kroua	in	Advise Flood Peak at 12mm	[redacted]
27/12/10	21 30	Irrigators	out	Advise Flood Peak	[redacted]
5/1/11	15:00	Doug Rabbitt	out	Discuss gate Heights	[redacted]
6/1/11	17 30	Doug	in	Dam Settings	[redacted]
6/1/11	17.30	Elec Contacts	out	Dam Status	[redacted]
6/1/11	21.00	Doug	in	Dam Flood + Peak	[redacted]
6/1/11	21.30	Inglewood Police	out	Advise Flood Peak	[redacted]
6/1	22.00	NEW	in	Dam Status	[redacted]
6/1	22.30	Inglewood Police	out	Flood Status	[redacted]
6/1	2300	NEW	in	Dam Status	[redacted]

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
28/9/10	16-00	Ron Newman	IN	NW lock NO NIGHT SHIFT TONIGHT	[redacted]
29/9/10	15-00	Ron Newman	OUT	MR Harwood RTRON	[redacted]

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
26-9-10	6.00	G. HARGRAVES	IN	KARRAN QUARTERMAINE	[redacted]
26-9-10	10.00	G. HARGRAVES	OUT	NEW COLE DAM FAILING LOG WATER COME 2	[redacted]
26-9-10	12.00	G. HARGRAVES	OUT	NEW COLE DAM FAILING	[redacted]
26-9-10	16.00	G. HARGRAVES	OUT	NEW COLE NO RAIN [illegible]	[redacted]
26/9/10	19.45	P. FITZGERALD	OUT	DOUG RABBITT. SLIGHT INCREASE IN DISCHARGE EL: 314.25 & STEADY.	[redacted]
27/9/10	7.40	P. FITZGERALD	OUT	NEW COLE - DISCHARGE 6500 ML 2 GATES OPEN. EL: 314.234	[redacted]
27/9/10	12.30	R. NEWMAN	OUT.	NEW COLE - EL 314.224 LEVEL DECREASING	[redacted]
27/9/10	15.00	R. NEWMAN	OUT	NEW COLE EL 314.227 LEVEL DECREASING	[redacted]
27/9/10	15.00	R. NEWMAN	OUT	MAL HALWARD REPORT.	[redacted]
27/9/10	21.00	R. NEWMAN	OUT	D. RABBITT EL 314.213 LEVEL FALLING	[redacted]
27/9/10	21.00	R. NEWMAN	OUT	MAL HALWARD REPORT	[redacted]
28/9/10	7.30	R. NEWMAN	OUT	NEW COLE EL 314.203 LEVEL DECREASING	[redacted]
28/9/10	7.30	R. NEWMAN	OUT	MAL HALWARD REPORT.	[redacted]

COOLMUNDA DAM - EMERGENCY ACTION PLAN
LOG OF EVENTS / ACTIONS

DATE	TIME	EVENT / ACTION DESCRIPTION	RECORDED BY (INITIALS)
26-9-10	1400	LOG REMOVED FROM GATE 2, CREST SEAL DAMAGED OUT OF SEAT	[redacted]
"	18:00	FAX FIGURES TO GUNDY + T'WBA (HOURLY)	
5-10-10	08:00	GATE 4 OPENED 2 TO CLEAR DEBRIS	

15 Feb 2011 11:04AM COOLMUNDA.DAM.. [redacted] P.1

COOLMUNDA DAM - EMERGENCY ACTION PLAN
LOG OF EVENTS / ACTIONS

DATE	TIME	EVENT / ACTION DESCRIPTION	RECORDED BY (INITIALS)
19/9/10	0930	REACTIVATE GATE ALARM	[redacted]
20/9/10	07:00	GATE NO. 4 OPEN 80mm	
"	19:00	" " " " 460mm	
"	19:00	DECK LIGHTS NOT WORKING. (VALVE HOUSE DECK LIGHT SWITCH TRIPPED)	
21/9/10	01:00	H/W LOGGER + T/W LOGGER NOT RESPONDING	
"	01:00	EL TAKEN FROM LOGGER KEY PAD 314.206m.	
"	01:50	H/W + T/W LOGGERS BACK ON LINE	
24/9/10	14:45	BARKER CRK ALARM RANG 1.3m	
"	20.00	GATE 3, 4, 5 OPENED	
25/9/10	18:00	" 3, 4 + 5 OPEN (RISING) EL 314.284 = 72629 = 105.2%	
"	21:00	" 3, 4, 5 & 7 OPEN EL 314.316 = 73175ML = 106%	
"	22:00	ALL 7 GATES OPEN EL 314.326m = 73,347ML = 106.2%	
26/9/10	07.00	HOG UNDER GATE 2, WILL MONITOR	

[redacted]

COOLMUNDA DAM EMERGENCY ACTION PLAN
LOG OF EVENTS/ACTIONS

Date	Time	Event description / Action carried out	Record entered by
13-9-10	11:20	WATER OVER ROAD D/S CULVERT, ADVISED COUNCIL REPRESENTIVE (KEN BIGGS TO ACTION)	[redacted]
"	20:00	STORAGE EL. HOLDING 314.200m = 71,212ML = 103.1% (GATE NO4 OPEN 150mm)	
"	23:00	H/W LOGGER NOT RESPONDING	
"	24:00	EL. TAKEN FROM LOGGER KEY PAD, 314.200m	
14/9/10	02:00	" " " " " " 314.200m.	
"	05:00	" " " " " " 314.200m	
"	13:00	HW GAUGE MEASURED + LOGGER RESTARTED + ADJUSTED 314.192	
15/9/10	0900	GATE RAISED TO 0.200 TO CLEAR DEBRIS & RETURNED TO AUTO	
16/9/10	14:00	750 + 300 VALVES BOTH OPENED FULLY	
17/9/10	07:00	EMBANKMENT + TOEDRAINS INSPECTION OK.	
"	14:00	" " " " FUSE PLUG.	
18/9/10	07:00	" " " FUSE PLUG. OK	
19/9/10	07:00	" " " " "	

15 Feb 2011 11:04AM COOLMUNDA.DAM..
P.3

COOLMUNDA DAM EMERGENCY ACTION PLAN
LOG OF EVENTS / ACTIONS

Date	Time	Event description / Action carried out	Record entered by
12/9/10	0930	FINE TRASH SCREENS REMOVED/INTAKES	[redacted]
12/9/10	1330	WATER DISCHARGING FROM R/PIER ORIFICE, GATE 4 (CONT MONITORING)	
"	18:00	WATER DISCHARGEING FROM L + R/PIER ORIFICE, GATE NO 4 (CONT. MONITOR)	
"	19:00	SMALL INCREASE DISCHARGE ORIFICE, GATE NO. 4 (CONT. MONITORING)	
"	20:00	" " " " " "	
"	21:00	SMALL DISCHARGE (ORIFICE) NO. 3, 4 + 5	
"	22:00	" " "	
"	24:00	INCREASE DISCHARGE (ORIFICE) NO. 3, 4 + 5	
13/9/10	01:00	SMALL INCREASE (ORIFICE) NO. 3, 4 + 5	
"	02:00	GATE NO. 4 CONTROL WEIR W/LEVEL = STORAGE EL. 314.169m	
"	03:00	INCREASE DISCHARGE (ORIFICE) GATE NO. 3, 4, + 5.	
"	05:00	" " " " " "	
"	06:00	" " " " " "	

15 Feb 2011 11:04AM COOLMUNDA.DAM..
P.4

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
15/10/10	13.23	EEC K QUARTERMAIN	OUT	EL RISING 314.074 +	[redacted]
15/10/10	13.38	S HARGRAVES	IN	EL UPDATE	[redacted]
16/10/10	16.11	EEC KARAN	OUT	ADVISE EL 314.171 (STAGE 2) WILL CONTINUE MONITORING.	[redacted]
"	16.20	S HARGRAVES	OUT	" " " "	[redacted]
"	18.19	EEC KARAN	OUT	ADVISE GATE 4 OPENED	[redacted]
"	19.11	S HARGRAVES	OUT.	" " " "	[redacted]
25/10/10	07.20	EEC KARAN	OUT	" " " "	[redacted]
"	07.42	S HARGRAVES	OUT	" " " "	[redacted]
"	07.44	TOM DONALD	OUT	" " " "	[redacted]

15 Feb 2011 11:07AM COOLMUNDA.DAM.. P.1

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
26-9-10	12.35	C MANN	OUT	FLOOD SHIFTS CONTINUEING.	[redacted]
26-9-10	12.18	G HARGREAVES	IN	UPDATE EL'S + DISCHARGES	[redacted]
"	19:52	PAT FITZGERALD	IN	" " " (EEC)	[redacted]
27-9-10	07.44	"	"	" R NEWMAN (EEC)	[redacted]
27-9-10	08.35	D RABBITT	OUT	NOTIFIED FOR NIGHT SHIFT	[redacted]
"	08.35	C MANN	OUT	" " " "	[redacted]
"	15.50	P CRISP (EEC)		RIVER HEIGHTS & FLOWS & EAP	[redacted]
"	19:20	RON NEWMAN (EEC)		UPDATE ON HEIGHTS + FLOWS FAX SENT (HOURLY)	[redacted]
28/9/10	07.05	G HARGREAVES	IN	UPDATE ON EL + FLOWS, CALLOFF NIGHT SHIFTS	[redacted]
"	07.14	D RABBITT	OUT	RE SHIFTS	[redacted]
"	07.15	C MANN	OUT	"	[redacted]
"	07.48	R NEWMAN	IN	UPDATE ELS + FLOWS	[redacted]
					[redacted]

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
25-9-10	08:07	KARAN Q	OUT	RE INFLOWS & RECORDING.	[redacted]
"	13:34	C MANN	OUT	CHECK ON AVAILABILITY FOR 12 HR SHIFTS	
"	16:00	KARAN Q	OUT	RE INFLOWS & FAX FIGURES	
"	10:36	" "	OUT	UP DATE ALL 7 GATE OPEN (FAXED SHEETS) HOURLY	
26/9/10	12:12	INL. POLICE (TIM) 0419736172	IN	INQUIRY GAUGE HT. ETC.	
"	12:31	KARAN Q 46718121	IN	UP DATE IEL'S ETC.	
"	04:00	INL. POLICE (TIM)	IN	UP DATE, WATER LEVELS	
"	05:30	KARAN Q	IN	UPDATE, WATER LEVELS FAX SHEET, GUNDY + T'WBA.	
"		"	IN	"	
"	08-13	K BIGGS	IN	ROAD CONDITIONS TO GUNDY	
"	06:35	P BILLSBOROUGH	OUT	RECOMMENCE SHIFTS	
"	06:40	"	IN	"	
"	09:15	G HARGRAVES	OUT	"	

15 Feb 2011 11:07AM COOLMUNDA.DAM.. p.3

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
20/9/10	08:53	46718121 K. QUARTERMAINE	IN	UP DATE WATER LEVELS POSSIBLE 12 HRS SHIFTS. (TO CONFIRM)	[redacted]
"	09:24	"	IN	START 12HR SHIFTS, DOUG LEFT 10:00AM., HOURLY MONITORING.	
"	11:02	TWBA OFFICE PAT FITZGERALD	IN	RE FISHING ON DAM	
"	12:39	KARAN Q	IN	RE FAX FIGURES TO GUNDI	
"	16:10	"	IN	" " " " " CALL ON MOBILE TO CONTACT	
21-9-10	7:37	"	IN	FAX FIGURES TO GUNDI ADVISED LIGHTS NOT WORKING (BRIDGE DR	
22-9-10	0926	"	IN	FINISH 12HR SHIFTS, CONTINUE MONITORING DAILY	
24-9-10	13:15	"	OUT	ADVISED OF HEAVY SPILLWAY ON DAM 10AM	
"	14:45	BARKER CK AKAM	IN	AKAM RING 1.3m	
"	15:51	KARAN Q	OUT	RE EL + INFLOWS — MONITOR O/NIGHT	
"	20:48	"	OUT	RE INCREASED INFLOWS	
25-9-10		"	"	"	
"	07:25	P BILLSBROUGH	IN	"	

15 Feb 2011 11:07AM COOLMUNDA.DAM.. P.4

COOLMUNDA DAM EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

Date	Time	Phone No.	Contact Person	Massage sent / received	Call sent / received by
13/9/0	21:45	0408718652	G.HARGREAVES	INQUIRY DAM LEVELS ETC.	IN
14/9/10	07.00		A DOONAN	"	IN
"	07.05		K QUARTERMAIN	" & DISCHARGES.	IN
"	07.10	31200085	BRISBANE	ENQUIRY ON WATER LEVELS ON TEXAS YELARBON ROAD	IN
"	07.40		G HARGREAVES	DAM CONDITIONS & EL LOGGER COMMUNICATION FAULT	OUT
"	10.00 TO 14.00		IRRIGATOR LIST	UPDATED ON DAM DISCHARGES	OUT.
"	4.04		G HARGREAVES	CHECK ON CONDITIONS ETC.	IN
15/9/10	7.15		"	"	IN
15/9/10	17.25		"	"	IN
17/9/10	11:25	06420150	"	" " " "	IN
"	14:40	0408987151	K. QUARTERMAINE	UPDATE, DAM LEVELS ETC. (EEC)	OUT
18/9/10	09:4	"	"	GUNDY PAX BUSY - RE FIGURES - EMBANKMENT INSP.	OUT
19/9/10	08.29	46718121	"	UPDATE, DAM LEVELS ETC. (EEC)	IN

15 Feb 2011 11:07AM COOLMUNDA.DAM..
P.5

COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
13-9-10	07.03	B Swan	IN	INQUIRY ELG CONDITIONS	[redacted]
"	07.45	J EATON	IN	RE TRACTOR FROM LESLIE	
"	08.25	A DOONAN	IN	RE DAM O/FLOW ETC	
"	08.20	RALPHIE	OUT	RE TRACTOR PICK/UP	
"	10.10	ANITA	IN	RE DAILY LOG FIGURES	
"	11.20	SUNDY COUNCIL BARRY/KEN BIGGS STUART.	OUT	ADVISED WATER OVER ROAD AT CULVERT	
	10.45	S HARGRAVES	IN	CALL COUNCIL RE ROAD SIGNS	
	11.57	IAN DAWSON	IN	INQUIRY RE DAM HEIGHT	
	12.29	FLOOD ROOM	IN	DISCHARGE VOLUMES.	
	3.05	"	IN	" "	
	3.16	"	OUT	" "	
	4.14	46521964	IN	INQUIRY RE DAM HEIGHTS	
	5.01	S HARGREAVES	IN	STAFF SHIFTS.	

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COOLMUNDA DAM - EMERGENCY ACTION PLAN
RECORD OF COMMUNICATION

DATE	TIME	CONTACT PERSON / TELEPHONE NO.	CALL IN / OUT	MESSAGE	RECORDED BY (INITIALS)
11-9-10	18.30	G HARGRAVES	IN ~~OUT~~	CONTINUE MONITORING TOWARDS GATE OPENING	[redacted]
"	18.49	D RABBITT	OUT	ADVISED OF CONTINUED MONITORING & WILL CALL IF REQUIRED	
12-9-10	01.49	G HARGRAVES	IN	ENQUIRY ON EL'S RELATION TO FSL & EAP ACTIONS DISCUSSION	
12-9-10	07.02	G HARGRAVES	OUT	ADVISED FSL REACHED, ACTION 3 - STAGE 1	
12-9-10	08.25	B SWAN	IN	ENQUIRY DAM LEVELS	
12-9-10	08.30	DAWSON	IN	"	
12-9-10	09.04	G HARGRAVES	IN	FAX IRRIGATORS CONTACT LIST	
"	09.43	C BURTON	IN	ENQUIRY DAM LEVEL	
"	13.11	G HARGRAVES	IN	" & CONDITIONS	
"	16.48	"	IN	" "	
"	20:18	"	IN	" "	
13/9/10	01:18	"	IN	" "	
13/9/10	06.29	"	IN	& RETURN TRACTOR FROM " " LESLIE	

Coolmunda Dam Event Report

Emergency Event Recording Sheets

- General comments & other issues

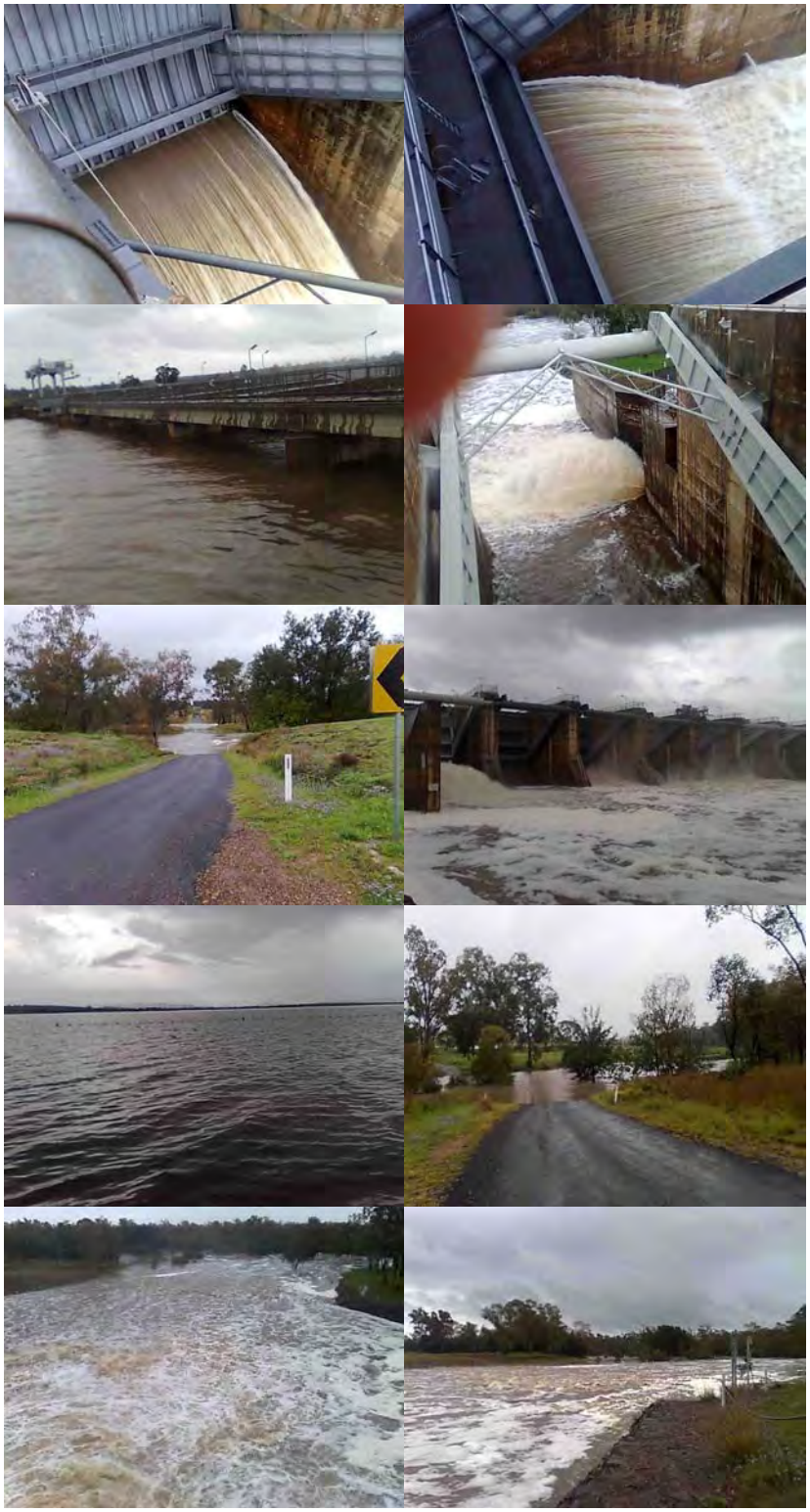
At Coolmunda Dam we operated this event using the current EAP and found it adequate and relevant.
Main issue was operating the gates in manual mode as float chambers were blocked with debris.
We have now put measures inplace to mitigate against this happening again.
Also the collection of data will now be done in a spreadsheet for traceability and report purposes

Cheers

Coolmunda Dam Event Report

Emergency Event Recording Sheets

- Photos during & after event



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