Snowy 2.0 External Agency Incident Notification Form

Sediment Basin Overtopping (SBOT) Event Summary - SHL-ENV-INC-005	
Date of Incident	26/07/2024
Date of This Report	06/08/2024
Time of Incident	Refer to SBOT Form
Site	Marica, Sediment Basins - MC01 & MC03
Proponent Contact	Jordan Chenery +61 409 991 478
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Incident Classification			
Regulator	**Description**	**Notification Details**	**Date Notified**
☑ NSW EPA	EPL 21266 - Pollution of waters L1.1 *"Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997."*	Condition R2.2 EPA Hotline # REF-NO-31683	29/07/2024
☑ NSW NPWS	Conditions of Approval - CSSI 9687 Sch. 3 Cond. 29 Sch. 3 Cond. 30(m)	CoA: Sch. 4, Cond. 7 *"Within 7 days of becoming aware of any non-compliance with the conditions of this approval, the Proponent must notify the Department via the Major Projects portal of the non-compliance."*	29/07/2024
☑ NSW DPHI	Conditions of Approval - CSSI 9687 Sch. 3 Cond. 29 Sch. 3 Cond. 30(m)	CoA: Sch. 4, Cond. 7 *"Within 7 days of becoming aware of any non-compliance with the conditions of this approval, the Proponent must notify the Department via the Major Projects portal of the non-compliance."*	29/07/2024
☐ Australian DCCEEW	For information.	For information.	29/07/2024

Summary & Cause of Incident	

As per S2-FGJV-ENV-INC-116056:

1. **Date/time the first employee became aware of the incident**

Date: 26/07/2024
Time: 13:00 pm

2. **Date/time of cessation of incident**

Date: 27/07/2024
Time: Visual inspection on the morning of 27/07/2024 indicated that the overtopping had ceased.

3. **Duration of incident**

According to S2-FGJV-ENV-INC-116056: 23:00 hours.

4. **Describe the nature of the incident, including estimated size of impacted area**

Sediment basin overtopping - estimated size of impact area not provided in S2-FGJV-ENV-INC-116056.

5. **Cause or suspected cause of incident**

Cumulative rainfall exceeding basin design capacity and additional snow-melt runoff.

6. **Has the incident impacted the environment? If yes, describe the type of environment impacted and any observable impacts (visual, odour, etc) on waterways, soils, flora, fauna, etc.**

Negligible impact to the nearest major receiving waterway (Eucumbene River). In situ water sampling results attached.

7. **Number of similar incidents from this location (within 200m or same EPL point or basin) in previous 2 years (provide REF number/s)**

Document No	Revision	Title	Revision Date	Date Modified	Review Source
S2-FGJV-ENV-INC-0890	A	Marica - ENV - Sediment laden water entering Eucumbene river	29/08/2021	03/07/2024	WF-038062
S2-FGJV-ENV-INC-2175	A	Marica - ENV - Sediment basin overtopping	02/12/2022	03/07/2024	WF-038062
S2-FGJV-ENV-INC-3100	B	Marica - ENV - Sediment laden water leaving site into nearby waterway near MT05	19/08/2023	03/07/2024	WF-038062
S2-FGJV-ENV-INC-3265	B	Tantangara-Lobs Hole-Marica - Overtopping basins as a result of rainfall	05/10/2023	04/11/2023	WF-026690
S2-FGJV-ENV-INC-4277	A	Marica - ENV- Overtopping sediment basin during rainfall event	31/05/2024	05/07/2024	WF-037203

Discharge or Basin Overflow

1. **Basin ID or relevant EPL Points**

Sediment Basin MC01 and MC03

2. **Type of water discharged**

Water captured in the sediment basin

3. **For basin overflows, design capacity and remaining capacity**

MC01 capacity: 736.4 m3

MC03 capacity: 838 m3

FGJV does not include any details in SBOT forms or Incident reports on remaining capacity.

4. **Actual total volume discharged (kL), include estimation method**

Total volume discharged (kL) and estimation method not provided in FGJV SBOT form or FGJV incident reports.

5. **Volume captured prior to discharge (kL) (if any)**

Volume captured prior to discharge (kL) not provided in FGJV SBOT form or FGJV incident yeah reports.

6. **Estimated volume discharged to the waterways (kL) – specify which waterway/s were impacted and the distance travelled to receiving waterway**

Details regarding volume discharged to waterways (kL) and distances travelled to receiving waterway not provided in FGJV SBOT form or FGJV incident reports.

7. **Length of mixing zone/plume (if relevant)**

Mixing zone / plume details not provided in FGJV SBOT form or FGJV incident reports.

Actions Taken	

As per S2-FGJV-ENV-INC-116056:

1. **Provide further detail on actions taken prior to the incident (including pre-incident checklists)**

- Dewatering of the sediment basins have been ongoing for the past 2 weeks prior to the incident due to regular rain and snow falls.
- FGJV Pre-rainfall inspection conducted on 23/07/2024 - this confirmed capacity in the relevant sediment basins.
- Approximately 50.00 mm of rain / snow was received in the 4 days prior to inspection

2. **Provide further detail on actions taken to contain/mitigate/stop the incident (including details of response plans/procedures implemented)**

- Regular pre / post-rainfall inspections;
- Continuous dewatering of sediment basins;
- As per “Part G: Corrective Actions - install second pump and sprinkler on MC01 to trial the effectiveness of this in preventing overtopping during snow-melt conditions”.

3. **Provide further detail on actions taken to clean-up incidents**

No further detail provided by FGJV in relation to the clean-up of this incident.

4. **Provide further detail on actions taken to protect/notify any sensitive receptors nearby or downstream**

- As per “Part G: Corrective Actions - install second pump and sprinkler on MC01 to trial the effectiveness of this in preventing overtopping during snow-melt conditions”.

5. **Provide proposed post incident actions to prevent or mitigate recurrence**

- As per “Part G: Corrective Actions - install second pump and sprinkler on MC01 to trial the effectiveness of this in preventing overtopping during snow-melt conditions”;
- Continuous dewatering of sediment basins.

6. **Sampling locations and results, if not yet available provide time frame and send to EPA when available (quoting EPA REF number)**

In-situ and laboratory water samples of sediment basins and downstream waterways enclosed - ***Attachment 1***.

Photographs / Map of Incident
Refer to SBOT form.