

Bullocks Flat Sewage Treatment Plant Pollution Incident Response Management Plan



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PBPL SEMS 3.4 2					
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1.0	Oct 12	RT track changes accepted. Document finalised	TB		RT
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1 Notifications

1.1 Contact Details

Table 9.1 Internal Personnel Contact Details

STP Emergency Procedure Perisher Internal Notifications			
Mountain Office	6459 4403 Channel 1	Phone 2 way radio	Notified by: Time/Date: Signed:
General Manager Operations / Emergency Incident Coordinator – Michael Fearnside	6459 4408	Phone	Notified by: Time/Date: Signed:
General Manager Systems, Compliance and Resort Services – Richard Tuck	6459 4497	Phone	Notified by: Time/Date: Signed:
CEO – Peter Brulisauer	6459 4478	Phone	Notified by: Time/Date: Signed:
Environmental Officer – Mark Feeney	6459 4504	Phone	Notified by: Time/Date: Signed:
Civil and Building Manager – Craig Parker	02 6459 4407 Channel 7	Phone Radio	Notified by: Time/Date: Signed:
Sewage Treatment Plant Operator – Ben D’Helin	02 6459 4571	Phone	Notified by: Time/Date: Signed:
Safety Systems Manager – David Milford	02 6459 4414	Phone	Notified by: Time/Date: Signed:
Skitube Manager – Greg Isele	02 6459 4565	Phone	Notified by: Time/Date: Signed:

Also Refer to [SEMS 3.4.2 Environmental Incident Response and Reporting Procedure, Appendix A](#) for contact details for key individuals responsible for activating this Plan and for managing the response to emergencies and pollution incidents.

1.2 Communicating with Neighbours and the Local Community

The following parties must be promptly notified of any overflow or discharge from the STP that may pose a risk to public health:

- All relevant internal stakeholders, including the relevant Supervisors/Managers See table 9.1. The relevant personnel will then communicate with the appropriate external stakeholders and authorities as listed in table 9.2;

- If guests and/or staff are injured, notify Ski Patrol and/or the Perisher Systems and Compliance Department;
- Call 000 (if the incident presents an immediate threat to human health or property);

Table 9.2 External Stakeholders and Relevant Authorities

EPA Reporting Hotline	13 15 55	Notified by: Time/Date: Signed:
Snowy River Shire Council (SRSC) Duty officer Duty Officer will notify SRSC Environmental Health Officer who in turn will notify affected residents	6451 1195 AH – 0408 484 853	Notified by: Time/Date: Signed:
NSW Health Environmental Health Duty Officer Infectious Disease Outbreak After hours number diverts to Albury Base Hospital =- ask for on call Public Health Officer	02 4824 1842 02 4824 1840 AH - 02 6080 8900	Notified by: Time/Date: Signed:
NSW WorkCover Reporting Hotline	13 10 50	Notified by: Time/Date: Signed:
NSW Fire and Rescue If the situation warranted calling 000 as the first point of notification do not ring again	1300 729 579 6452 1455	Notified by: Time/Date: Signed:
NSW Local Land Services	6452 1455	Notified by: Time/Date: Signed:
NSW Office of Environment and Heritage – Alpine Resorts	6450 5555 AH - 1800 629 104	Notified by: Time/Date: Signed:
Novotel Lake Crackenback Resort General Manager (Anthony Cleary) Maintenance Manager (Brent Hall)	6451 3000	Notified by: Time/Date: Signed:
Snowy Hydro (Safety and Environment Incidents Line)	1800 766 333	Notified by: Time/Date: Signed:
Gaden Trout Hatchery General Manager Assistant Manager	6451 3406 6451 3401	Notified by: Time/Date: Signed:
NSW Office of Water – Bega	02 6491 8200	Notified by: Time/Date: Signed:

Notifications to media will be made in accordance with the Reportable Events Policy ([SEMS 3.4.2](#))

1.3 Incident Information to provide to the EPA

STP Bullocks Flat	
Date	Time
Nature of spill	Duration of spill
Estimated quantity	Concentration of any pollutants
Discharge point	
Cause of the spill and any circumstances	
Action taken or proposed to be taken	
Any resulting pollution or threatened pollution from the action	

1.4 Additional Resources

Contact Southeast Waste Recovery (6456 4657 or Steve Field 0428 409 669) if additional assistance is required for any pumping.

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2 STP Site Maps

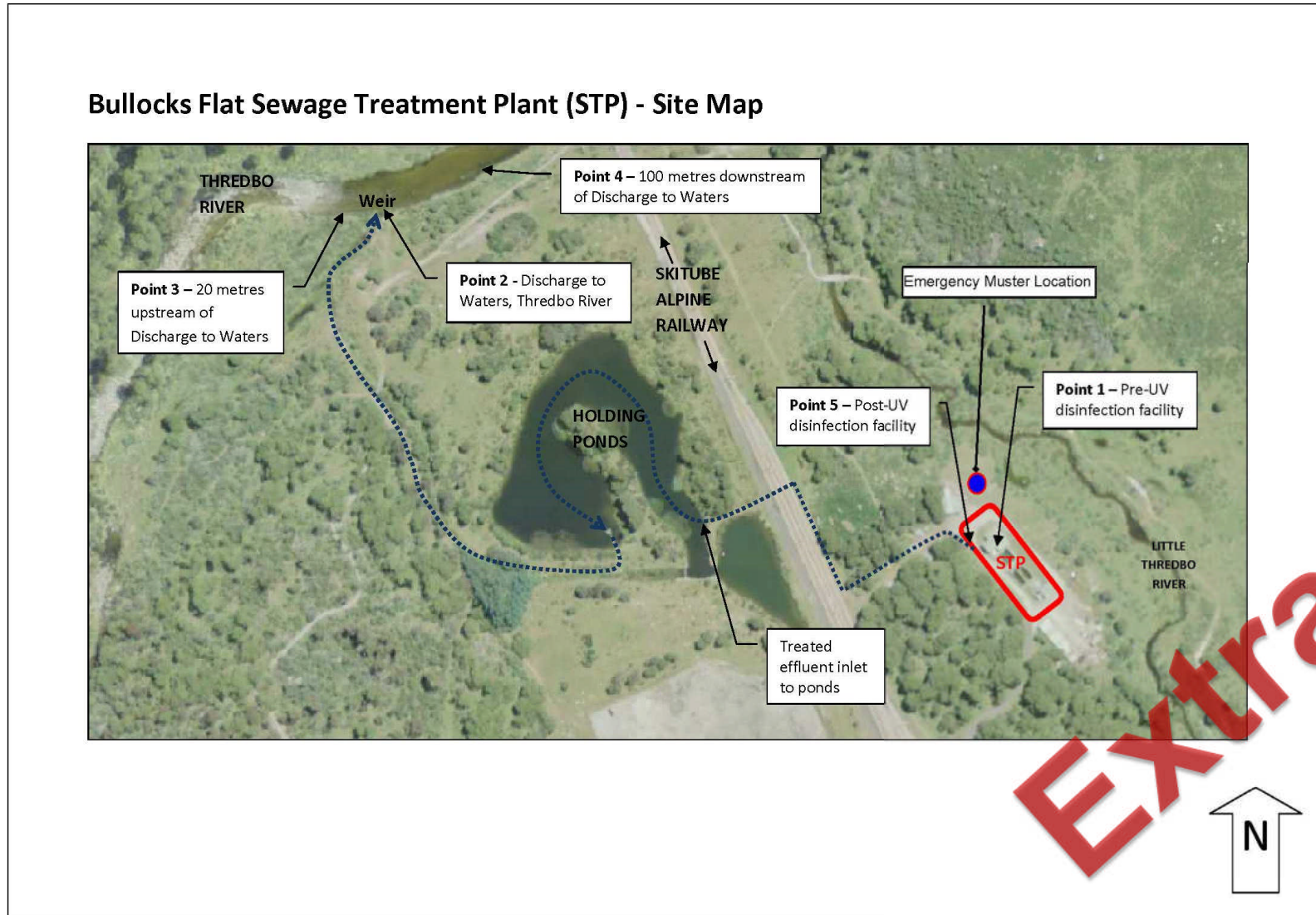


Figure 11.1 Outflow from STP to maturation ponds



Figure 11.2 Sewer line from Terminal building to STP

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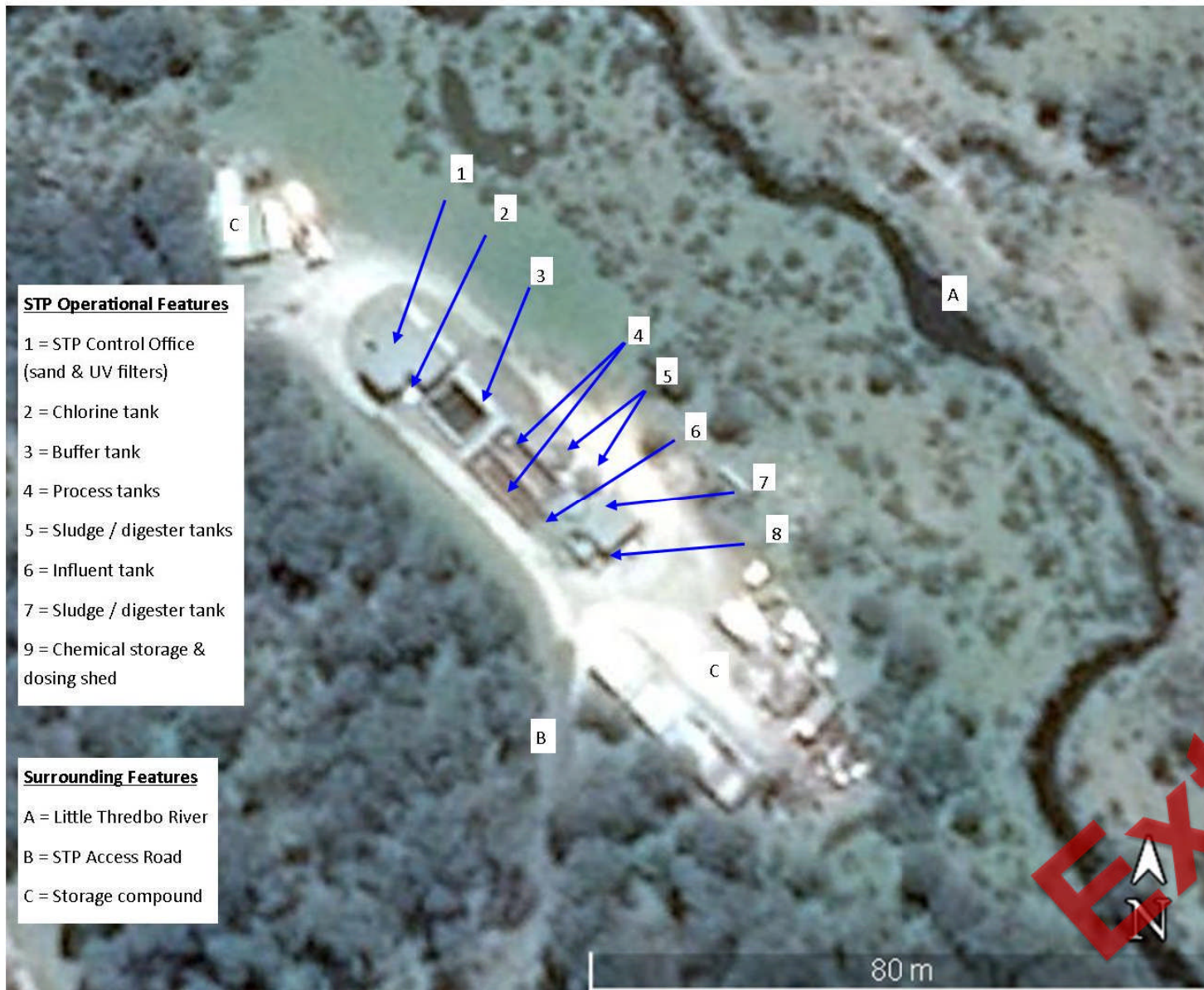


Figure 11.3 STP Operational Features

3 Pollution Incident Action Plan

3.1 Initial Response

- 1) Alarm / Notification - the first person to be aware of the pollution incident must raise the alarm,
 - Ring 000 if there is an immediate threat to human health or property
 - Notify the C&B Manager and the Skitube Manager by phone and/or radio.
 - Notify the C&B Administrator who will contact relevant Perisher staff: A Systems and Compliance staff member will contact external organisations including the EPA
- 2) Assess the situation;
 - Do not put yourself or others at risk, evaluate the danger and act accordingly;
 - Use the correct PPE appropriate for the safe containment of the pollution incident;
 - Make a note of the time the spill was first noticed;
 - Estimate the quantity and type of the substance spilled;
 - Find the source of the spill if it is safe to do so;
 - Establish, if possible, the cause of the spill;
 - If you have time, note any details about the incident on the Incident Reporting Form located at the Control panel.
 - Additional internal / external resources will be responding to the incident upon the alarm being raised.
- 3) Stop the spill at the source
 - Immediately stop the spill at its source (if safe to do so);
 - Control the inflow to the STP if required, i.e. close toilets, wash areas and shut down the water supply to the terminal and/or workshops.
- 4) Contain and control the flow (if it is safe to do so)
 - Prevent the spill from entering stormwater drains or water courses by blocking the drain inlets and passage of flows with onsite spill containment kits and booms;
 - Assess the extent of the spill to waterways and place booms at strategic points to prevent any flow into the Thredbo River or the Little Thredbo River (if possible).
 - Additional company / external resources are available to achieve this outcome.
- 5) Preserve the scene
 - In the case of vandalism, preserve the scene if possible for police and/or other authorities. It is important that evidence is not destroyed;
 - Identify evidence without causing disturbance to the scene (take all necessary photos if the situation allows). Only remove evidence if it will hinder, delay or otherwise adversely affect the response to the incident

3.2 Emergency Incident Coordinator (General Manager Operations or delegate)

- 1) Identify and set up a safe control point at the entrance to the site with barriers and signage.
- 2) Set up additional barriers and signage around the contaminated site.
- 3) Identify a person to manage the control point
- 4) Identify a process for registering persons entering or leaving the site.
- 5) Ensure all staff have appropriate PPE before entering the site.
- 6) Organise jobs for staff attending the incident. Ensure only staff who are vaccinated are involved in clean-up of sewage.
- 7) Ensure all media requests are directed to the Sales and Marketing Manager or in his absence the CEO (refer to the PBPL POL 023 Reportable Events within Perisher Policy and Procedure).
- 8) Identify the extent of the incident and clean up as required (if it is safe to do so)
 - ⇒ Determine if it is possible and safe to recover the spilled substance (e.g. sewage);
 - ⇒ Subject to safety considerations, use the suction trailer and equipment to recover the spillage, and or engage a local approved contractor to assist with the recovery and the clean-up;
- 9) Contact the EPA for advice on managing pollutants which have entered waterways.:
- 10) Carry out water and soil sampling – refer to Appendix C of the [SEMS 3.4.2 Environmental Incident Response and Reporting Procedure](#). Ensure a chain of custody occurs when sampling. Take photos of the samples. Ensure there are a sufficient number of sample containers available for a minimum of 24 hours of testing.

3.3 Sewage Spill - Clean up

3.3.1 PPE to Minimise Risks

To minimise the risks to human health associated with exposure to sewage, personnel are to ensure the appropriate PPE is used in any clean-up, including:

- Ensure vaccinations are up to date for all workers undertaking the clean-up, specifically Tetanus, Diphtheria and Hepatitis A and B.
- Eye protection (goggles are recommended if using a hose and/or any chemicals);
- Face mask;
- Rubber boots;
- Rubber gloves;
- Impervious coveralls;
- Breathing apparatus (only if trained and competent in its use);
- Thorough full body wash immediately after the clean-up is completed; and

The risk of exposure when handling sewage can be reduced significantly by carrying out a safe, effective and immediate clean-up and by taking appropriate personal safety precautions. For more information on risks, refer to Section **Error! Reference source not found.**

3.3.2 Other Safety Considerations

The following safety measures must be observed when handling sewage or contaminated materials:

- Have all unnecessary personnel vacate the area immediately;
- Conduct a risk assessment to determine a safe work procedure. This includes (but is not limited to) an initial site assessment, confined space assessment, monitoring and permits (if required), dealing with electrical hazards, removal of materials, review of SDS (if required), the transfer and disposal of sewage and contaminated materials, site sanitation, and the decontamination of workers;
- Determine whether professional help or other assistance is required;
- Ensure all necessary and appropriate PPE and monitoring equipment are in place prior to commencing the clean-up.

Other safety measures to be relevantly considered include:

- Do not enter confined spaces that have been contaminated with sewage, as toxic, flammable or asphyxiating gases may be present. Implement confined space entry procedures;
- Be aware of electrical hazards when dealing with floodwater;
- Always assume that floodwater is contaminated with sewage;
- Read labels on hazardous goods and other chemicals, observe the appropriate safety precautions and follow the manufacturer's directions (SDS); and
- Contact a doctor immediately if an illness occurs.

3.3.3 Clean-up and disposal

The following safety measures must be observed when cleaning up the contaminated area, and disposing of contaminated objects:

- Assess and manage the hazards that are present;
- Ensure all necessary and appropriate PPE is used;
- Clean all contaminated objects and surfaces immediately to reduce the risk of infection and to prevent further microbial growth. The longer that contaminated water remains unattended the greater is the risk of an infection occurring. Cleaning should be carried out before the sewage dries out to avoid contaminated dust (airborne pathogens) being dispersed into the air;
- Remove any gross contamination and dispose of in the sewage treatment facility and not into storm drains or landfill;
- Clean hard surfaces such as paving, concrete and tarmac with a detergent solution then disinfect. **Use only approved disinfectants**, as failure to do so can have adverse effects on the operation of the STP;
- Do not allow waste water to enter drains or water courses it may be necessary to construct a bund using sandbags or other available material, e.g. embankment of earth, brick, stone or other suitable material to retain liquid;
- Dispose of liquids to a suitable collection pit;
- Allow contaminated soil, sand or lawn to degrade naturally as microbes will be inactivated within several days of exposure to UV radiation from sunlight. Bacterial numbers on grass are generally reduced to background levels within

20 days. Place barriers and signs to restrict access to the area during this time;

- Clean all equipment and PPE used with a detergent then a disinfect (or use a combined product) or discard if possible (eg mop heads);
- Immediately wash and disinfect any wound that comes into contact with sewage; and
- Shower and change out of work clothes before leaving. If the STP shower is not able to be accessed; there are showers at the railway workshop and the Bullocks Flat terminal. Do not keep soiled work clothes with other clothes. Launder work clothes separately or discard.

3.4 Incident Debrief

As soon as possible after the emergency response and not more than 7 days, the C&B Manager should convene a meeting of all relevant personnel to consider:

- The cause and implications of the pollution incident;
- Aspects relative to:
 - The root cause, the contributing factors and any other matters affecting safety;
 - The effectiveness of the notification, coordination and management approach;
 - The effectiveness of the first response and the implementation of pollution control measures; and
 - The effectiveness of the subsequent emergency response and recovery,
 - A review of this Plan.
- The scope and conduct of the investigation, including the writing of a report; and
- The distribution of the investigation report to stakeholders.

3.5 Investigation (Internal)

Systems and Compliance staff will thoroughly investigate the incident, in accordance with Perisher's [SEMS 3.8.1 Incident and Hazard Investigation Management Procedure](#) to first determine and then analyse the facts, identify the root cause and contributing factors and to make recommendations for improvements to safety and the operation of the STP. The investigation report will be forwarded to the General Manager Systems, Compliance and Resort Services, the General Manager Operations and the CEO.

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