

Notice is hereby given that a Meeting of the Te Anau Wastewater Discharge Project Committee will be held on:

Date: Friday, 21 April 2017
Time: 10.00am
Meeting Room: Distinction Hotel & Villas Te Anau
Venue: Mackinnon Room
64 Lakefront Dr Te Anau

Te Anau Wastewater Discharge Project Committee Agenda

OPEN

MEMBERSHIP

Chairperson Mayor Gary Tong
Members Alan Bickers
Rachel Cockburn
Shirley Mouat
Don Mowat
Allan Youldon
Councillor Ebel Kremer

IN ATTENDANCE

Chief Executive	Steve Ruru
Group Manager Services and Assets	Ian Marshall
Manager Water and Waste Services	Ian Evans
Committee Advisor	Jenny Labruyere

Contact Telephone: 0800 732 732
Postal Address: PO Box 903, Invercargill 9840
Email: emailsdc@southlanddc.govt.nz
Website: www.southlanddc.govt.nz

Full agendas are available on Council's Website
www.southlanddc.govt.nz

Terms of Reference for Te Anau Wastewater Discharge Project Committee

The Te Anau Wastewater Discharge Project Committee shall assist the Southland District Council to progress implementation of the Te Anau Wastewater Discharge Project in accordance with the project scope approved by Council and the Deed of Agreement that it has entered into with Fiordland Sewerage Options.

The Committee is required to provide guidance and assistance to the Council as it proceeds with meeting its obligations under the Deed and subsequent implementation of its preferred option.

The specific responsibilities of the Project Committee are to:

- a) Provide advice on how the Council might progress implementation of the Deed of Agreement it has with FSO
- b) Provide advice on how it might undertake the investigation of the Smith Block in accordance with the programme and budget approved by Council
- c) Provide advice on how Council might consult with and communicate with the community, affected parties and other stakeholders in an appropriate manner about the project and the disposal of wastewater generated in Te Anau
- d) Monitor the progress that is being made in progressing the evaluation of the Smith Block given the regulatory and timeframe constraints within which Council needs to operate. These include the need to ensure that Council has a consented wastewater discharge option available at all times
- e) Assist with the development of a robust business case for Council consideration in relation to the treatment and disposal systems which should be developed to meet the needs of the Te Anau community into the future
- f) Monitor the progress that is made in delivering on the overall project, and any sub-projects, relative to the approved milestones, budgets and project scope and business cases
- g) Provide guidance and where appropriate recommendations to Council, on how any variations between actual and planned delivery might be best addressed
- h) Ensure that appropriate reporting systems are maintained to provide accurate and timely information to the Committee and Council
- i) Provide advice to Council on the assessment of project risks and appropriate mitigation strategies given the overall scope of the project
- j) Assist with providing information to the Te Anau Community Board and the Manapouri Community Development Area Subcommittee on the project
- k) Recommend to Council any changes to the project objectives, timelines, budget and deliverables that the Committee consider might be required
- l) Ensure that Committee decisions and processes are well documented in accordance with Council policies and its statutory requirements.

The Te Anau Wastewater Discharge Project Committee has delegated authority to provide advice and monitor the progress being made with the project in accordance with the responsibilities outlined above.

The Project Committee does not have delegated authority in relation to the following matters:

- a) The expenditure or committal of Council funds
- b) Approval of project timetable(s) and budget(s) within which the different stages of the project need to be progressed
- c) Negotiation and approval of any Land Access, Acquisition or Disposal Agreements
- d) Approval of the final business case and/or decisions in relation to the type of treatment and disposal systems to be developed
- e) Approval of the procurement strategy and/or methods to be used for services and other works which need to be progressed as part of the project
- f) The approval of any tenders or other expenditure associated with the project
- g) Negotiation, approval or limitation of any other contractual arrangements that Council might have and/or put in place including with its staff.

TABLE OF CONTENTS

ITEM	PAGE
PROCEDURAL	
1 Apologies	5
2 Leave of absence	5
3 Conflict of Interest	5
4 Public Forum	5
5 Extraordinary/Urgent Items	5
6 Confirmation of Minutes	5
REPORTS	
7.1 Te Anau Wastewater Discharge Project Committee - Terms of Reference	7
7.2 Updated Management Report to the Te Anau Wastewater Discharge Project Committee	15
PUBLIC EXCLUDED	
Procedural motion to exclude the public	21
C8.1 Draft Report to Council on Next Steps for the Development of the Te Anau Wastewater Project for Comment	21

1 Apologies

At the close of the agenda no apologies had been received.

2 Leave of absence

At the close of the agenda no requests for leave of absence had been received.

3 Conflict of Interest

Committee Members are reminded of the need to be vigilant to stand aside from decision-making when a conflict arises between their role as a member and any private or other external interest they might have.

4 Public Forum

Notification to speak is required by 5pm at least two days before the meeting. Further information is available on www.southlanddc.govt.nz or phoning 0800 732 732.

5 Extraordinary/Urgent Items

To consider, and if thought fit, to pass a resolution to permit the committee to consider any further items which do not appear on the Agenda of this meeting and/or the meeting to be held with the public excluded.

Such resolution is required to be made pursuant to Section 46A(7) of the Local Government Official Information and Meetings Act 1987, and the Chairperson must advise:

- (i) the reason why the item was not on the Agenda, and
- (ii) the reason why the discussion of this item cannot be delayed until a subsequent meeting.

Section 46A(7A) of the Local Government Official Information and Meetings Act 1987 (as amended) states:

“Where an item is not on the agenda for a meeting, -

- (a) that item may be discussed at that meeting if-
 - (i) that item is a minor matter relating to the general business of the local authority; and
 - (ii) the presiding member explains at the beginning of the meeting, at a time when it is open to the public, that the item will be discussed at the meeting; but
- (b) no resolution, decision or recommendation may be made in respect of that item except to refer that item to a subsequent meeting of the local authority for further discussion.”

6 Confirmation of Minutes

There are no minutes to confirm as this is the first meeting of the Triennium for the 2016/2019 Triennium.

Te Anau Wastewater Discharge Project Committee - Terms of Reference

Record No: R/17/3/6353
Author: Steve Ruru, Chief Executive
Approved by: Steve Ruru, Chief Executive

Decision Recommendation Information

Item 7.1

Purpose

- 1 To brief the Committee on its revised Terms of Reference, which have been approved by Council at its 15 March 2017 meeting.

Executive Summary

- 2 The Council has executed a Deed of Agreement with Fiordland Sewerage Options which requires Council to assess the viability of the Smith Block, as an alternative to the Kepler Block, for wastewater disposal.
- 3 The decision to enter into the Deed of Agreement changed the scope of the project which was previously being pursued. In light of these changes Council asked officers to report back with suggested changes to the terms of reference for the Te Anau Wastewater Project Discharge Committee. This report was presented to Council at its 15 March 2017 meeting.
- 4 Attached for the information of the Committee are the revised terms of reference which were approved by Council. The changes reflect the change in scope and the work that now needs to be completed prior to Council proceeding into the construction phase of the project. It is appropriate that the Committee consider how it wishes to work and whether it has any specific information requirements to enable it to meet the terms of reference that have now been approved by Council.

Recommendation

That the Te Anau Wastewater Discharge Project Committee:

- a) **Receives the report titled “Te Anau Wastewater Discharge Project Committee - Terms of Reference” dated 29 March 2017.**
- b) **Determines that this matter or decision be recognised as not significant in terms of Section 76 of the Local Government Act 2002.**
- c) **Determines that it has complied with the decision-making provisions of the Local Government Act 2002 to the extent necessary in relation to this decision; and in accordance with Section 79 of the Act determines that it does not require further information, further assessment of options or further analysis of costs and benefits or advantages and disadvantages prior to making a decision on this matter.**
- d) **Consider how it wishes to operate to ensure that it fulfils the terms of reference that have been set by Council and provides direction to staff on any specific requirements it has to enable it to perform its functions more effectively.**

Content

Background

- 5 At its meeting on 21 December 2016 the Council approved a Deed of Agreement with Fiordland Sewerage Options (FSO), which provided for:
 - Council agreeing to proceed with investigation of the Smith Block to determine whether it is a viable alternative when compared to the consented Kepler scheme.
 - Council being able to determine at any stage during the investigations not to proceed further with the investigation if it concludes that the Smith block is not a viable alternative to the Kepler.
 - Council deciding at the end of the investigation and consenting programme whether to proceed with either the Kepler or Smith options.
 - FSOI agreeing to withdraw their appeals against the Kepler consents with costs lying where they fall.
- 6 The decision to approve the Deed of Agreement meant that the scope of the work to be progressed changed from being a peer review exercise to consideration of one particular alternate disposal site. As a result Council asked officers to report back with revised Terms of Reference for the Te Anau Wastewater Discharge Project Committee.
- 7 Previously, the Committee had, for example, been charged with completing the peer review process and making recommendations to Council as to how it should proceed with the project given the findings of that review. The Deed of Agreement provides that Council must evaluate, in accordance with the steps outlined in the appendix, the Smith Block to determine whether it is a viable option relative to the Kepler Block. The Council can then make a decision about which option it wishes to pursue.

Issues

- 8 The Committee needs to be aware of the changes which Council has made to its terms of reference and consider how it wishes to work ensure that it meets the role that it has been asked by Council to perform. The Committee could also provide direction to staff as to any specific requirements for information or advice that it may have to enable it to perform its functions more effectively.

Factors to Consider

Legal and Statutory Requirements

- 9 Under the Local Government Act 2002 a local authority is able to establish the committees, sub-committees and other sub-ordinate decision making bodies that it considers appropriate.
- 10 All such committees are subject to the ultimate control of and must comply with any general or specific directions given by the Council. They also represent Council and are able to make decisions that are binding on Council.

Community Views

- 11 In forming the Project Committee in 2015 the Council was conscious of the need to ensure that there was a conduit via which the views of the local communities could be identified and considered as part of Council's decision making process. This position is not changed by the changes to the terms of reference outlined in this paper.

Costs and Funding

- 12 Costs of the Project Committees operations are met from the Governance budgets.

Policy Implications

- 13 The Project Committee is required to operate within the Council governance policies including its code of conduct and standing orders.

Analysis

Options Considered

- 14 The options considered are for the Committee are to Do Nothing or Consider Implications of the new Terms of Reference for the way in which it wishes to work.
- 15 Under the Do Nothing option the Committee would simply receive the report. Staff would then provide the advice and other progress reports that they consider are needed to enable the Committee to perform its role.
- 16 Under the Consider Implications option the Committee would specifically consider and provide direction to staff on any information requirements/expectations it may have to be able to meet its obligations to the Council.

Analysis of Options

Option 1 – Do Nothing

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"> • Committee will be required to operate within terms of reference set by Council. 	<ul style="list-style-type: none"> • Staff will not have clear guidance as to the expectations that Committee members have. • Committee may not receive all of the advice that they need to perform its functions effectively.

Option 2 – Consider Implications

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"> • Enable the Committee to fulfil the role that it has been asked by Council to perform more effectively. • Enable staff to more effectively provide the advice that the Committee needs to perform its role. 	<ul style="list-style-type: none"> • None identified.

Assessment of Significance

- 17 The issue being considered relates to the Committee noting the revised terms of reference which have now been approved by Council that it is required to operate within. As such a decision in accordance with the recommendations is not considered significant.

Recommended Option

- 18 The recommended option is for the Committee to consider the implications of the new Terms of Reference on the way in which it wishes to work.

Next Steps

- 19 Staff will ensure that the information required by the Committee is provided at future meetings.

Attachments

- A Te Anau Wastewater Discharge Project Committee -Terms of Reference revised February 2017 [↓](#)

**SOUTHLAND DISTRICT COUNCIL
TE ANAU WASTEWATER DISCHARGE PROJECT COMMITTEE
TERMS OF REFERENCE**

Authorising Body:	<i>Southland District Council</i>
Title:	<i>Te Anau Wastewater Discharge Project Committee</i>
Approval Date:	15 March 2017
Delegated to:	
Alternative Role:	
Legislation:	

1. PURPOSE

The Te Anau Wastewater Discharge Project Committee shall assist the Southland District Council to progress implementation of the Te Anau Wastewater Discharge Project in accordance with the project scope approved by Council and the Deed of Agreement that it has entered into with Fiordland Sewage Options.

2. ROLE OF THE PROJECT COMMITTEE

The Southland District Council has entered into a Deed of Agreement with Fiordland Sewage Options (FSO). The Deed creates a contractual framework within which Council has agreed to progress the Te Anau Wastewater Discharge Project.

The Committee is required to provide guidance and assistance to the Council as it proceeds with meeting its obligations under the Deed and subsequent implementation of its preferred option.

The specific responsibilities of the Project Committee are to:

- a) Provide advice on how the Council might progress implementation of the Deed of Agreement it has with FSO
- b) Provide advice on how it might undertake the investigation of the Smith Block in accordance with the programme and budget approved by Council
- c) Provide advice on how Council might consult with and communicate with the community, affected parties and other stakeholders in an appropriate manner about the project and the disposal of wastewater generated in Te Anau
- d) Monitor the progress that is being made in progressing the evaluation of the Smith Block given the regulatory and timeframe constraints within which Council needs to operate. These include the need to ensure that Council has a consented wastewater discharge option available at all times
- e) Assist with the development of a robust business case for Council consideration in relation to the treatment and disposal systems which should be developed to meet the needs of the Te Anau community into the future
- f) Monitor the progress that is made in delivering on the overall project, and any sub-projects, relative to the approved milestones, budgets and project scope and business cases

- g) Provide guidance and where appropriate recommendations to Council, on how any variations between actual and planned delivery might be best addressed
- h) Ensure that appropriate reporting systems are maintained to provide accurate and timely information to the Committee and Council
- i) Provide advice to Council on the assessment of project risks and appropriate mitigation strategies given the overall scope of the project
- j) Assist with providing information to the Te Anau Community Board and the Manapouri Community Development Area Subcommittee on the project
- k) Recommend to Council any changes to the project objectives, timelines, budget and deliverables that the Committee consider might be required
- l) Ensure that Committee decisions and processes are well documented in accordance with Council policies and its statutory requirements.

2. DELEGATIONS

The Te Anau Wastewater Discharge Project Committee has delegated authority to provide advice and monitor the progress being made with the project in accordance with the responsibilities outlined above.

The Project Committee does not have delegated authority in relation to the following matters:

- a) The expenditure or committal of Council funds
- b) Approval of project timetable(s) and budget(s) within which the different stages of the project need to be progressed
- c) Negotiation and approval of any Land Access, Acquisition or Disposal Agreements
- d) Approval of the final business case and/or decisions in relation to the type of treatment and disposal systems to be developed
- e) Approval of the procurement strategy and/or methods to be used for services and other works which need to be progressed as part of the project
- f) The approval of any tenders or other expenditure associated with the project
- g) Negotiation, approval or limitation of any other contractual arrangements that Council might have and/or put in place including with its staff.

3. MEMBERSHIP

The membership of the Te Anau Wastewater Discharge Project Committee shall be:

- a) His Worship the Mayor, who will be the Committee Chair.
- b) Don Mowat, as a representative from Te Ao Mārama Incorporated.
- c) Allan Youldon
- d) Shirley Mouat
- e) Rachel Cockburn
- f) Cr Ebel Kremer
- g) Alan Bickers.

4. CHAIRPERSON

The Chairperson is responsible for:

- a) The efficient functioning of the Project Committee; and
- b) Setting the agenda for Project Committee meetings; and
- c) Ensuring that all members of the Project Committee receive sufficient timely information to enable them to be effective Project Committee members.

5. QUORUM

The quorum at any meeting of the Project Committee shall be not less than five members of the Project Committee including the Mayor and/or Councillor.

6. FREQUENCY OF MEETINGS

The Project Committee shall meet as often is necessary to make decisions in a timely manner so that the project stays on time.

7. RELATIONSHIPS WITH OTHER PARTIES

The primary relationship of the Project Committee will be with the Project Management Team through the Project Manager. The Project Committee will report via progress reports and meeting minutes to the Southland District Council.

8. CONTACTS WITH MEDIA AND OUTSIDE AGENCIES

The Project Committee Chairperson is the authorised spokesperson for the Project Committee, in all matters where the Project Committee has authority or a particular interest.

The Communications Manager will manage the formal communications between the Committee and its constituents and for the Committee in the exercise of its business.

Correspondence with central government, other local government agencies or other official agencies will only take place through Council staff and will be undertaken under the name of the Southland District Council.

9. CONDUCT OF AFFAIRS

The Committee shall conduct its affairs in accordance with the *Local Government Act 2002*, the *Local Government Official Information and Meetings Act 1987*, the *Local Authorities (Members' Interests) Act 1968*, Council's Standing Orders and Code of Conduct.

10. PUBLIC ACCESS AND REPORTING

Notification of meetings to the public and public access to meetings and information shall comply with Standing Orders, but it should be noted that:

- Any meetings of the Project Committee are subject to Standing Orders.
- Workshops meetings solely for information and discussions and at which there no resolutions or decisions are not subject to Standing Orders.
- Extraordinary meetings of the Project Committee may be held in accordance with Standing Orders.
- The public may be excluded from the whole or part of the proceedings of the meeting and information withheld on one or more of the grounds specified in the Local Government Official Information and Meetings Act 1987 Section 48.

The Project Committee shall record minutes of all its proceedings and after adoption at its next meeting will present the minutes to the next available Council meeting.

11. REMUNERATION

Remuneration will be in accordance with Elected Members' Remuneration Policy or as otherwise approved by Council.

12. FUNDING AND BUDGETS

Funding for the Te Anau Wastewater Discharge Project Committee will align with Council's Revenue and Financing Policy.

The Te Anau Wastewater Discharge Project Committee shall have no authority to expend or commit Council to the expenditure of funds.

Remuneration and expenses will be funded from the allocated budget within the Council's governance budget.

13. RELEVANT DOCUMENTS

Te Anau Wastewater Discharge Deed of Agreement.

Updated Management Report to the Te Anau Wastewater Discharge Project Committee

Record No: R/17/4/7600
Author: Ian Evans, Strategic Manager Water and Waste
Approved by: Steve Ruru, Chief Executive

Decision Recommendation Information

Purpose

- 1 The purpose of this report is to keep Committee members updated on the progress of works being undertaken within the Te Anau and Manapouri areas that are not necessarily related to the larger discharge consent project.
- 2 The report will be updated and presented at all upcoming Committee meetings. This information is up to date as of the week commencing 3 April 2017.

Status Report on Ongoing Work

3 Discharge Consent Application

- Consent was granted 15 January 2015.
- Three appeals were subsequently lodged with the Environment Court (EC).
- Both Council and appellants agreed to participate in court appointed mediation.
- Response to EC was lodged by Environment Southland (ES) on 29 May 2015 indicating the position of all parties to the appeal.
- Further hold until 18 December, with the expectation this will be extended pending the outcome of the peer review.
- Council's legal advisors reviewed the Pattle Delamore Partners (PDP) report and provided legal advice on implications of the peer review outcomes. They also prepared a response to the EC.
- Court appointed mediation occurred on 20 and 21 June 2016. An update of the outcome of the mediation process is included in an additional report on the agenda for 6 July meeting.
- Appeal settled December 2016 with execution of Deed of Agreement.

4 Designation 80 Process

- Council approved Commissioners' recommendation to grant designation on 8 April 2015.
- One appeal was received but rejected by the EC.
- Council planning maps will be updated to show the designation.
- No further work required around this item at present.

5 Short Term Discharge Consent Application

- Application lodged with ES on March 2014.

- Additional information provided as requested.
- Affected parties identified and written approvals provided to ES.
- Draft conditions have been accepted by Council.
- Draft conditions have been discussed with ES on 17 August.
- Further information in support of the application has been supplied to ES. Draft conditions have been agreed and awaiting further feedback.
- Short term consent was granted November 2015.
- No appeals received within statutory period hence this item deemed complete.

6 35 Year Discharge to Air Consent Application (for oxidation ponds)

- ES requested that discharge to air element of oxidation pond be separated.
- Consent for 35 years was applied for.
- An Odour Management Plan has been drafted and will be submitted as part of the application.
- Meeting with ES has been scheduled for 17 August 2015 to agree processing times, draft conditions etc.
- The consent is likely to be processed on a non-notified basis subject to affected party approvals being sought.
- Unable to secure all identified written approval so the consent was processed on a limited notified basis to the one party who would not provide written approval. One submission was received opposing the application as it stands citing issues relating to duration and operational issues around when the screens were installed and desludging was undertaken.
- A pre-hearing meeting was held on 23 March 2016 and while agreement was not reached, staff will undertake further work to help overcome concerns held by the submitter. If agreement cannot be reached the application is likely to proceed to a hearing.
- A further meeting was held with Mr Slee on 24 May 2016 where he provided written approval to the consent application.
- Twenty-five year consent was granted on 2 June 2016.

7 Pond Desludging

- This work was required irrespective of the outcome of either appeal process.
- Hydra-Care established on the site and completed the initial sludge survey and sampling of the three ponds.
- They constructed the dewatering bund.
- The bund has been constructed and fully lined.
- The desludging itself was carried out mid/late August which is slightly delayed from the previous report.
- Further delays to the desludging of the Winton pond delayed the start date in Te Anau until early September.

- Hydra-Care have completed work on the large pond and disestablished from site. They will return in the new year to complete the remaining two smaller ponds. Council staff currently in discussion with Hydra-Care around potential reinstallation.
- Hydra-Care re-established to site on 19 May 2016 to complete desludging of ponds two and three. Work is now substantially complete.

8 Inlet Screen Upgrade

- Work required irrespective of the outcome of either appeal process.
- Te Anau Earthworks is undertaking the installation of the inlet screen.
- Earthworks commenced week commencing 18 May 2015.
- Installation is now fully complete with electrical and telemetry connections and some pipework modifications now the only items of outstanding work.
- Final installation and commissioning have been undertaken and screen is now fully operational.
- No further action required to date and project is complete.

9 Caswell Road Stormwater Upgrade

- This project is in no way connected to the sewerage works, it is purely a stormwater upgrade.
- Works are all but complete except for the installation of the final sump and reinstatement of the works.
- The excess gravel that is not required by Fiordland College will be stockpiled at the ponds for use in future works.
- It is expected that all works will be complete and the Contractor disestablished within a fortnight (weather dependent).
- If ground conditions are unsuitable, final grass sowing could take place in the spring.
- No further progress on this at present.

10 Upukerora Flood Defence Work

- ES is proposing flood defence work both upstream and downstream of the Upukerora Bridge.
- ES claims that work is necessary to protect both the bridge and Council's oxidation ponds should the river deviate from its current course.
- ES indicates that any significant deviation could cause oxidation ponds to be inundated in the event of a significant flood.
- Any flood event will also increase the risk of the Upukerora Road downstream of the ponds being washed out.
- Risk of inundation also arises from not managing gravel levels in the river bed.
- Currently there is little demand for gravel and as a consequence, levels have increased over those previously measured.
- Meeting on 26 May 2015 discussed proposed works.
- As an outcome of the meeting, ES will investigate feasibility and costs of a proposed alternative.

- The alternative proposal has been assessed and a draft with costs provided to Council on 24 July 2015.
- Meeting with senior Council and ES staff agreed to delay the decision until the outcome of the peer review is known and understood as this may have implications for the degree of protection work required.
- Stakeholder meeting held at ES in December 2016 where expert parties for ES and the River Committee agreed to review proposed options and confirm viability.

11 Contact Tanks at Te Anau and Manapouri Water Treatment Plants

- Full assessment of the condition and serviceability of the contact tanks at both Te Anau and Manapouri water treatment plants will be undertaken in the upcoming financial year.
- Design work to be undertaken in 2017/18 financial year.

12 Finance and Risk

- Financial estimates and risk registers have been developed and will be presented to the Committee at future meetings once they have been aligned to Council's Risk Management Policy.

13 Recent Odour Issues

- Odour issues were initially identified on-site on Tuesday, 21 February 2017. Council responded to this issue by its incumbent Water and Waste Contractor, Downer NZ, monitoring. This testing confirmed the pond's overall primary oxidation pond performance was declining as average results were stable between the following counts as outlined below:

DO 1.0-2.0 g/m³ (around the inlet) with a pH of 7.4-7.6.

- 14 Although primary pond dissolved oxygen levels were lower than what was expected, effluent DO has consistently remained stable between 9.0-10.0 g/m³ during this period of time, as did pH and temperature, which is consistent with what you would expect. This indicated that treatment was being provided by the system and there was no risk of untreated wastewater being discharged.
- 15 A sulphurous odour however was noted at site particularly around the primary oxidation pond, as was a change from a typical clarity of green to a misty brown appearance. Reports of odour were also received beyond the site boundary.
- 16 It was also during this time that septic tank imports were halted. Downer operators identified, during its routine inspection, a large fluorescent blue discolouration was present around the primary pond inlet at the times in which they were discharging which it is suspected is a contributory factor. Odour was noticeable particularly to adjacent neighbours of the pond site when a wind direction was travelling in a direction of North East.
- 17 In response to the situation, Council and Downer staff undertook a number of remedial steps to help the pond recover, these being:
- Daily testing of dissolved oxygen across the pond as an indicator of pond health.
 - Introduction of additional aeration, initially by hiring of pumps which were later supplemented with additional aerators brought in from outside the district.
 - Stabilisation of pH in the pond by the bulk dosing of lime.
 - Dosing of the influent with a nutrient rich food source (trade name Ensol 5000) to promote algal regrowth.

- Pumping across from ponds 2 and 3 into pond 1 to accelerate algal regrowth.
- 18 These measures were introduced in a step by step manner with the impact monitored prior to taking the next step.
- 19 By the end of the third week, since odour was first reported, monitoring results indicated that the ponds were improving with a marked improvement noted by the end of the following week. This is typical with any biological system that it will require a period of time to recover.
- 20 As further precaution, Council staff also sought the advice from independent experts who agreed that the step by step approach was appropriate and that effectively staff had followed a logical consistent path that they believed appropriate.
- 21 Water and Waste staff have also liaised closely with ES staff including meeting out at Te Anau on 3 March 2017. ES have indicated that they are satisfied with Council's response to the issue and acknowledged that a full recovery may take some time and that Council's response should be consistent with that.
- 22 As of 30 March 2017 staff are reporting that the pond system is again performing to the level expected for this type of system.

Recommendation

That the Te Anau Wastewater Discharge Project Committee:

- a) **Receives the report titled "Updated Management Report to the Te Anau Wastewater Discharge Project Committee" dated 11 April 2017.**

Attachments

There are no attachments for this report.

Exclusion of the Public: Local Government Official Information and Meetings Act 1987

Recommendation

That the public be excluded from the following part(s) of the proceedings of this meeting.

C8.1 Draft Report to Council on Next Steps for the Development of the Te Anau Wastewater Project for Comment

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
Draft Report to Council on Next Steps for the Development of the Te Anau Wastewater Project for Comment	s7(2)(a) - The withholding of the information is necessary to protect the privacy of natural persons, including that of a deceased person. s7(2)(i) - The withholding of the information is necessary to enable the local authority to carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations).	That the public conduct of the whole or the relevant part of the proceedings of the meeting would be likely to result in the disclosure of information for which good reason for withholding exists.