

**X.X. Marine Safety Matters**

<p>X</p>	<p><u>The Consent Holder shall ensure that the design and construction of the Integrated Mining Vessel (“IMV”) complies with ‘best practice’ international marine standards and, as a minimum, shall include:</u></p> <ul style="list-style-type: none"> <li>a. <u>A thruster assisted mooring system that meets the requirements of America Bureau of Shipping (“ABS”) <del>✗</del>TAM-R notation with the system built, installed and commissioned to the satisfaction of ABS Survey;</u></li> <li>b. <u>A thruster system, including power, distribution, control and position reference systems that meet the redundancy requirement of ABS DPS-2 with the system built, installed and commissioned to the satisfaction of ABS Survey. Additionally, a Failure Modes, Effects, and Criticality Analysis (“FMECA”) of the system shall be completed as an extension of the FMEA process required by class for achieving many of the special or optional Classification notations ACC, ACCU and DPS-2. (Ref: ABS GUIDANCE NOTES ON FAILURE MODE AND EFFECTS ANALYSIS (FMEA) FOR CLASSIFICATION. 2015);</u></li> <li>c. <u>Compliance with the ABS notation for Station Keeping Performance (“SKP”) for the specified limiting environmental conditions in the South Taranaki Bight;</u></li> <li>d. <u>A mooring system that complies with the design requirements for a permanent mooring system as specified in API 2SK, and that clearly defines the system’s mode of operation, including its normal operating condition limits and performance in severe environmental conditions (including its proposed return period); and</u></li> <li>e. <u>Incorporation of an operational vessel motion monitoring and forecasting software system.</u></li> </ul>
<p>X</p>	<p><u>Prior to the IMV being used in the iron sand extraction operations, the IMV’s mooring design shall be independently reviewed, in a technical capacity, by a suitably qualified and internationally recognised person or body. The review shall confirm that the IMV mooring is fit for purpose and complies with ‘best practice’ international marine standards and the standards specified in Condition X above. The review shall also:</u></p> <ul style="list-style-type: none"> <li>a. <u>Confirm that approval from ABS for the IMV mooring concept has been provided;</u></li> <li>b. <u>Consider the final mooring and thruster design assessment and confirm it is appropriate for the intended operational purposes (including in relation to proximity to the first de-ored sediment mound);</u></li> <li>c. <u>Confirm that the thruster capacity is adequate to maintain the IMV position/heading in the event of a mooring failure;</u></li> <li>d. <u>Confirm that the operational (limit) environmental conditions specified for the IMV are appropriate for / consistent with the mooring system design.</u></li> <li>e. <u>Confirm that the location and design of the fairleads on the IMV are capable of accommodating the large changes expected in departure angle without the mooring rope clashing with deck structures or the articulation limits of the fairleads; and</u></li> <li>f. <u>Confirm the operation of the TAM system and the segregation of thruster power supply, control and distribution from that required for mining operations is fit for purpose.</u></li> </ul> <p><u>The recommendations of the review shall be incorporated into the final design of the IMV mooring system.</u></p> <p><u><i>Advice Note: The independent reviewer shall be mutually agreed between the Consent Holder and the Operator of the Kupe Petroleum Mining License #38146 (“Kupe Operator”). In the event that the Consent Holder and the Kupe Operator cannot reach agreement, each party shall recommend one a suitably qualified independent reviewer to the Chief Executive of the EPA</i></u></p>

	<u>who will decide on the reviewer to be appointed from the two recommendations. The costs of the review will be met by the Consent Holder.</u>
X	<p><u>Annually, on the anniversary of the commencement of the iron sand extraction operations, or where notice is received from the Kupe Operator providing confirmation of a commitment to deploy a 'Jack-up Drill Rig' within the Project Area identified in Schedule 4, the Consent Holder shall prepare a Geotechnical Report for the previous twelve (12) months iron sand extraction activities for the identified location (where confirmation of a commitment to deploy has been received in accordance with this condition).</u></p> <p><u>Each Geotechnical Report shall report on the geotechnical properties of the backfilled mining lanes and include, as a minimum, the following information:</u></p> <ol style="list-style-type: none"> <li>a. <u>A detailed explanation of the geotechnical investigations undertaken, including the location of the investigations and the methodology undertaken, for the previous 12 month period;</u></li> <li>b. <u>All of the data / results from the geotechnical investigations including but not limited to:</u> <ol style="list-style-type: none"> <li>i. <u>Particle / grain size distribution;</u></li> <li>ii. <u>In-situ bulk density; and</u></li> <li>iii. <u>Cone penetrometer or shear strength value.</u></li> </ol> </li> <li>c. <u>A summary of the findings from the geotechnical investigations and the properties of the seabed investigated.</u></li> </ol> <p><u>The Consent Holder shall provide each Geotechnical Report to the EPA and the Kupe Operator within ninety (90) working days of the completion of the annual geotechnical investigations or within one hundred and eighty (180) working days of the receipt by the Consent Holder of notice from the Kupe Operator providing the confirmation above.</u></p>
X	<p><u>Annually, and within twenty (20) working days after each anniversary of the commencement of the iron sand extraction operations, the Consent Holder shall undertake an assessment of the impact of de-ored sediment discharges on the cathodic protection systems associated with the Integrated Mining Vessel's safety critical systems.</u></p> <p><u>TTR will provide a copy of its assessment report to the Kupe Operator within twenty (20) working days of the completion of the assessment outlined above and will make the report available to the EPA upon request.</u></p>
X	<p><u>Following the completion of the baseline monitoring required by Condition 14, the Consent Holder shall commission an assessment of the visibility limits at the Kupe Platform and at the inshore border of the Project Area identified in Schedule 4.</u></p> <p><u>The results of this assessment shall be provided to the Kupe Operator within twenty (20) working days of its completion.</u></p>
X	<p><u>The Consent Holder shall install and have operational, a Barge Management System for all of its vessels operating within the area of Petroleum Mining Licence #38146.</u></p> <p><u>A display from the Barge Management System shall be made available to the Kupe Operator's control room for the Kupe assets at all times.</u></p>
X	<u>The Consent Holder shall ensure that no iron ore transhipments take place when any aspect of the thruster or mooring system of the Integrated Mining Vessel or the Floating Storage and Off-loading vessel is inoperative due to maintenance or failure.</u>
X	<p><u>The Consent Holder shall ensure that activities within the 'Kupe Platform Safety Zone' do not occur without prior approval in accordance with the requirements of the SIMOPP.</u></p> <p><u>Approval under this condition is not required during an emergency situation.</u></p> <p><u>The Consent Holder shall keep records of any related correspondence with the Kupe Operator and these records shall be made available to the EPA upon request.</u></p>
X	<u>The Consent Holder shall undertake bathymetric surveys annually around the boundaries of the</u>

	<p><u>Kupe Operator's exclusion zones (existing or future), and representative points around the Kupe Well Head Platform and along the pipeline and umbilical route, to determine any migration of the mound and pit bathymetry. Access by TTR to representative points around the Kupe Well Head Platform and pipeline and umbilical route will be agreed with the Kupe Operator in advance in accordance with the SIMOPP.</u></p> <p><u>The Consent Holder shall supply results of these surveys to the Kupe Operator within twenty (20) days of their completion.</u></p>
X	<p><u>The Consent Holder shall ensure that the Kupe Operator retains all rights to explore and develop assets within the Petroleum Mining Licence area #38146 to the extent provided for in that permit where it overlaps with the Project Area identified in Schedule 4.</u></p>
X	<p><u>The Consent Holder shall ensure that all operations proposed by the Kupe Operator in the PML #38416 license area have precedence over the Consent Holder's operations provided that the Kupe Operator gives at least twelve (12) months' notice its intentions to undertake such operations and provides specific details not less than six (6) months prior to the scheduled commencement of such operations.</u></p>
X	<p><u>For the duration of this consent, the Consent Holder shall maintain a 500 m protection zone around all wellheads (except Kupe South 4 wellhead where the size of the protection zone will be sufficient to ensure that the Consent Holder's activities do not result in the well-casing being exposed at any time), and a 1.5 km protection zone around the Kupe Well Head Platform.</u></p> <p><u><i>Advice note: The Kupe South 4 wellhead refers to the abandoned wellhead located within the Consent Holder's Mineral Mining Permit area.</i></u></p>
X	<p><u>Notwithstanding any of the requirements of the conditions above, the Consent Holder shall manage all activities associated with the iron sand extraction operations, including the project vessels and their operation, to ensure that the activities authorised by this consent do not result in any adverse effects on the Kupe assets.</u></p>

### 2.2.1 Operational Standards and Controls

8.	<p>The Consent Holder shall ensure that the Integrated Mining Vessel ("IMV") is anchored to the seabed at all times when the Crawler is operating.</p> <p><u>Upon each resetting of any anchor, the Consent Holder shall undertake a 'proof-load test' for the anchor and keep a record of each test. In addition to recording the proof-loading tests, each test should be witnessed by the relevant Class society or Marine Warranty Surveyor. The record of all tests undertaken shall be made available to the EPA upon request following a review by a suitably qualified expert.</u></p> <p><u>In situations where the mooring or thruster assistance of the IMV is in a degraded capability situation and is deemed unsafe by the Captain of the IMV, all FSO transshipment operations will be ceased immediately and the IMV will be removed to a safe location until the capability situation is, in the opinion of the Captain of the IMV, deemed operationally safe.</u></p> <p><u><i>Advice note: In this condition, "safe location" is defined as "safe for the Consent Holder's personnel and assets, the Kupe assets, and shipping.</i></u></p>
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### 2.2.2. Pre-commencement Environmental Monitoring

22.	<p>Prior to the commencement of any iron sand extraction activities, the Consent Holder shall ensure that a minimum of two (2) years of environmental monitoring has been undertaken and shall, as a minimum, include monitoring of:</p> <ul style="list-style-type: none"> <li>• Suspended sediment concentrations;</li> <li>• Sediment quality;</li> <li>• Subtidal and intertidal biology;</li> <li>• Optical water quality;</li> </ul>
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- Physio-chemical parameters;
- Heavy metals;
- Seafood resources;
- Marine mammals;
- Underwater noise;
- Seabirds;
- Commercial fishing;
- Beach profiles; and
- Recreational fishing.

The Consent Holder shall prepare, and undertake pre-commencement environmental monitoring, in accordance with the procedures and methods, at the locations (including representative points around the Kupe Well Head Platform and along the pipeline and umbilical route), and for the duration and frequency detailed in the approved Pre-commencement Environmental Monitoring Plan ("PCEMP") the purpose of which is to:

- a. Establish a set of environmental data that identifies natural background levels while taking into account spatial and temporal variation;
- b. Confirm the current understanding of the seasonality and natural variability of environmental parameters that will be monitored during iron sand extraction activities;
- c. Provide data to validate the background data used in the Operational Sediment Plume Model, which predicts the sediment transportation processes in the South Taranaki Bight; and
- d. Ensure compliance with all regulatory requirements and guidelines.

The PCEMP shall also include:

- i. The roles and responsibilities of parties who are to undertake the pre-commencement environmental monitoring;
- ii. Objectives for the pre-commencement environmental monitoring associated with these consents;
- iii. Identification of the parameters being monitored, including sampling design, methodology, frequency, duration and monitoring locations;
- iv. Details of data analysis and processing for all parameters being monitored; and
- v. Report methods for all parameters being monitored.

The PCEMP shall be prepared by a suitably qualified and experienced person(s) in general accordance with the draft PCEMP dated YYYY. The PCEMP shall then be independently peer reviewed and then reviewed by the Technical Review Group ("TRG") (Condition 0) with regard to the appropriateness of the intended monitoring to meet the purposes of the PCEMP as set out in this condition.

The PCEMP together with comments and recommendations of the TRG including, where necessary, an explanation as to why a TRG recommendation has not been accepted shall be submitted to the EPA for approval in a technical certification capacity that the PCEMP meets the requirements of this condition.

The pre-commencement monitoring required by these consents shall be undertaken in accordance with the approved PCEMP.

If within thirty (30) working days the EPA has not approved the PCEMP, or advised the Consent Holder that it has not yet been approved, the PCEMP will be deemed to have been so approved.

## 2.2.6. Technical Review Group Evaluation

34.	<p>At least six (6) months prior to the commencement of the PCEMP required by Condition <b>Error! Reference source not found.</b>, the Consent Holder shall provide for the formation of a TRG, the role of which is to provide technical oversight, and advice to the Consent Holder, including but not limited to the following:</p> <ol style="list-style-type: none"><li>Prior to its lodgement with the EPA, review and advise on the appropriateness of the monitoring provided for in the PCEMP (Condition <b>Error! Reference source not found.</b>), any review of the PCEMP (Condition <b>Error! Reference source not found.</b>) and review and advise on the EMMP (Condition <b>Error! Reference source not found.</b>);</li><li>Compare the monitoring data against the pre-commencement data in order to assist in determining if any activities authorised by these consents have resulted in adverse effects on the marine environment that were not anticipated at the time of the granting;</li><li>Consider and make recommendations on the need for any new parameter to be monitored in accordance with Condition <b>Error! Reference source not found.</b>;</li><li>Community knowledge and “matauranga maori” issues when reviewing the monitoring data;</li><li>The environmental management component of the iron sand extraction activities by an annual data review whereby each year’s monitoring results will be tabulated, reviewed, and compared against the previous monitoring data collected; and</li><li>Make recommendations to the Consent Holder that a review of the consent conditions be undertaken for the purpose of avoiding, remedying or mitigating adverse effects on the environment which may arise from the exercise of these consents and which it is appropriate to deal with at a later stage.</li></ol> <p>The Consent Holder shall invite the following parties to nominate one suitably qualified and experienced representative to be involved in the TRG:</p> <ul style="list-style-type: none"><li>The Consent Holder;</li><li>Taranaki Regional Council;</li><li>Fisheries Inshore New Zealand;</li><li>The Kaitiakitanga Reference Group (Condition 0);</li><li>Te Tai Hauauru Regional Fishing Forum;</li><li>DOC; and</li><li>The <u>Kupe</u> Operator.</li></ul> <p>Each representative shall have specialist expertise in one or more of the key environmental, ecosystem, matauranga maori and engineering components being monitored.</p> <p>In the event that a Kaitiakitanga Reference Group, as specified in Condition 0, is not formed the Consent Holder is not required to extend an invitation to any alternative party.</p> <p>In the event that Fisheries Inshore New Zealand do not accept the invitation to nominate a representative, the Consent Holder shall invite Sanford Limited to do so.</p> <p>At any time during the term of these consents, any party who appoints a representative to the TRG may change that representative on the basis that any new representative also has the relevant qualifications and experience.</p> <p>At any time during the term of these consents, including if any party is not able, for whatever reason, to provide a representative to the TRG, the TRG may recommend to the Consent Holder that other suitably qualified and experienced specialists be seconded, or technical studies be commissioned for the proper exercise of the TRG functions. The decision on whether to act on such a recommendation will rest with the Consent Holder after consultation with the EPA.</p>
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## 2.2.7 Management Plans

42.	<p>The Consent Holder shall develop the Collision (Loss of Position) Contingency Management Plan (“CCMP”) following consultation with MNZ and the <u>Kupe</u> Operator.</p> <p>The purpose of the CCMP is to demonstrate how the objectives set out below will be achieved and to outline the specific operating procedures to be implemented during the iron sand extraction operations. The CCMP shall, as a minimum, identify the following:</p> <ol style="list-style-type: none"><li>a. How compliance with Condition <b>Error! Reference source not found.</b> will be achieved;</li><li>b. The processes, methods, procedures and responses to be implemented after any unplanned / emergency event that potentially results in mooring failure or loss of position;</li><li>c. The measures which will be taken to avoid, remedy or mitigate any adverse environmental effects or effects on existing interests such as the infrastructure and operations of the licensee of Petroleum Mining License #38146;</li><li>d. How the IMV will be operated to ‘sit out’ severe environmental conditions such that the risk of collision between the Consent Holder’s assets and the Kupe assets is as low as reasonably practicable;</li><li>e. The emergency procedures to be implemented in the event of a mooring failure / loss of station-keeping by the IMV;</li><li>f. The protective measures / procedures proposed should any aspect of the thruster system, and its associated systems, be rendered out of service by accident or planned maintenance, such that they are immediately available in the event of a mooring leg failure;</li><li>g. The procedure for ensuring that, when the IMV is operating in any position where a station keeping failure may result in a potential collision of the IMV or its dragged mooring system with the Kupe assets, the thruster system be fully operational and active to enable immediate control of the IMV in the event of an incident. This shall include having such power generation capacity on line at these times;</li><li>h. The procedures for the recovery and setting of the IMV anchors such that the required anchor holding capacity is achieved including an operability assessment assessing the likelihood that an anchor handling operation cannot be completed due to a fast rising storm;</li><li>i. The measures to address the reduced station keeping integrity of the mooring whilst recovering, running and re-setting anchors;</li><li>j. The planned inspection regime for the safety critical TAM systems including the discard criteria for the mooring wires;</li><li>k. The detailed emergency response procedure (including communication requirements and notification periods) addressing incidents such as mooring leg failure, loss of heading control, thruster drive off, and disablement of thruster system. The response must address the risk of collision between the Consent Holder’s assets and the Kupe assets to ensure the risk is ‘As Low As Reasonably Practicable’;</li><li>l. The procedure for recovering and resetting of the mooring line and anchor buffer zone with regard to the requirements for the Anchor Handling Tug to recover and set anchors; and</li><li>m. The joint operating procedures for the trans-shipment of ore between the IMV and the Floating Storage and Off-loading Vessel.</li></ol> <p>All operational procedures must be developed to reflect the safe operating requirements outlined in the final version of the CCMP with clear descriptions on when each procedure is applicable (i.e. normal operations, or under emergency trigger conditions).</p> <p>The CCMP shall be prepared by a suitably qualified and experienced person(s) and submitted to the EPA for approval in a technical certification capacity that the requirements of this condition have been met.</p> <p>Prior to being finalised, the CCMP shall be independently reviewed by a suitably qualified and internationally recognised person or body. The review shall confirm that the CCMP is fit for</p>
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	<p>purpose and demonstrates how the objectives above will be achieved, including sufficient detail as to the operating procedures required to achieve them. The recommendations of the review shall be incorporated into the final version of the CCMP.</p> <p>The CCMP may be amended at any time during the term of these consents following consultation with MNZ and the <u>Kupe Operator</u>. At the <u>Kupe Operator's</u> request, proposed amendments to the CCMP shall be subject to a further independent peer review. <u>The Consent Holder shall consult with MNZ on the recommendations of that review prior to them being incorporated into the final amendments to the CCMP.</u></p> <p>The most up to date copy of the CCMP is to be held on all operational vessels and at the Consent Holder's head office and shall be provided to the EPA and the <u>Kupe Operator</u> upon request.</p> <p><i>Advice note: The reviewer shall be mutually agreed between the Consent Holder and the <u>Kupe Operator</u>. In the event that the Consent Holder and the <u>Kupe Operator</u> cannot reach agreement, each party shall recommend one suitably qualified independent reviewer to the Chief Executive of the EPA who will decide on the reviewer to be appointed from the two recommendations. The costs of the review will be met by the Consent Holder.</i></p>
43.	<p>The Consent Holder shall prepare a Simultaneous Operations Plan ("<b>SIMOPP</b>") in accordance with the requirements of IMCA M 203 Guidance on Simultaneous Operations (SIMOPS) following consultation with the <u>Kupe Operator</u>.</p> <p>The purpose of the SIMOPP is to:</p> <ul style="list-style-type: none"> <li>• Define the procedures to be followed when two or more vessels are operating in the same general area and in close proximity to each other;</li> <li>• Outline the consultation framework under which the <u>Kupe Operator</u> may provide input into the Consent Holder's design and execution of the mining operations;</li> <li>• Identify how the Consent Holder will operate within the guidelines as specified in IMCA M 203, Guidelines on Simultaneous Operations; and</li> <li>• Identify how the operations of both the Consent Holder and the <u>Kupe Operator</u> within <u>the area of</u> Petroleum Mining Licence #38146 area will be conducted for the duration of the iron sand extraction operations.</li> </ul> <p>The SIMOPP shall, as a minimum, identify:</p> <ol style="list-style-type: none"> <li>a. How mining operations will be managed in the event that a 'Jack-up Drill Rig' is being moved into position or temporarily moored adjacent to the Kupe platform prior to spudding in or jacking down of a rig;</li> <li>b. How the Consent Holder shall confer with the <u>Kupe Operator</u> regarding the sequence of blocks <u>of areas to be mined</u> to ensure that any proposed pipeline corridor or location for a 'Jack-up Drill Rig' has time to consolidate, based on the geotechnical data relevant to that block.</li> <li>c. How the Consent Holder shall confer with the <u>Kupe Operator</u> with regards to the planning of maintenance activities undertaken by the <u>Kupe Operator</u> on <u>the Kupe</u> assets.</li> </ol> <p>Prior to being finalised, the SIMOPP shall be independently reviewed by a suitably qualified and internationally recognised person or body. The review shall confirm that the SIMOPP is fit for purpose, and identifies how the Consent Holder will operate within the guidelines as specified in IMCA M 203, Guidelines on Simultaneous Operations. The recommendations of that review shall be incorporated into the SIMOPP.</p> <p>The SIMOPP must be finalised and provided to the EPA and the <u>Kupe Operator</u> at least three months prior to the commencement of any iron sand extraction activities authorised by these consents.</p> <p>The SIMOPP may be amended at any time during the term of these consents following consultation with the <u>Kupe Operator</u>. At the <u>Kupe Operator's</u> request, proposed amendments to the SIMOPP shall be subject to a further independent peer review. The recommendations of that review shall be incorporated into the final amendments to the SIMOPP.</p>

	<p>The Consent Holder shall ensure that the EPA has a copy of the most update version of the SIMOPP at all times, and shall provide a copy to the <u>Kupe</u> Operator upon request.</p> <p><i>Advice note: The reviewer shall be mutually agreed between the Consent Holder and the <u>Kupe</u> Operator. In the event that the Consent Holder and the <u>Kupe</u> Operator cannot reach agreement, each party shall recommend one a suitably qualified independent reviewer to the Chief Executive of the EPA who will decide on the reviewer to be appointed from the two recommendations.</i></p>
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### 2.5.1. Operational Assessment Report

58.	<p>No less than three (3) months prior to the commencement of any iron sand extraction activities as authorised by these consents, and every twelve (12) months thereafter the Consent Holder shall prepare, and provide to the EPA, an Operational Assessment Report which shall include but not be limited to:</p> <ol style="list-style-type: none"> <li>a. An outline of the area where removal of seabed material, targeting the extractable resource of titanomagnetite iron sand, will take place during the next twelve (12) month period, and the timing thereof;</li> <li>b. Bathymetry of the seabed in the area where removal of seabed material is planned;</li> <li>c. Bathymetry of the pits and mounds created during the extraction and deposition of sediments;</li> <li>d. Extraction plan schedules;</li> <li>e. Identification of the occurrence of fine sediments (&lt;8 µm) in the area subject to extraction via grade control drilling conducted in accordance with the requirements for a 'measured' resource by "The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 or subsequent editions (the "JORC" standard) (see 1.1 Definitions). The Operational Assessment Report is to demonstrate how compliance with Condition <b>Error! Reference source not found.</b> has been achieved; and</li> <li>f. Procedures for avoiding identified fine sediments to the extent necessary to meet the requirements of Condition <b>Error! Reference source not found.</b></li> </ol> <p>Where extraction activities within the following 12 month period will occur within the <u>area of Petroleum Mining Licence area #38146</u>, the Consent Holder shall also provide the <u>Kupe</u> Operator with a copy of the Operational Assessment Report at the same time the report is provided to the EPA.</p>
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### 2.7.1. Quarterly Operational Report

80.	<p>The Consent Holder shall prepare a Quarterly Operational Report summarising the iron sand extraction activities undertaken for the previous quarter (three (3) months). The Quarterly Operational Report shall include, as a minimum, the following operational information:</p> <ol style="list-style-type: none"> <li>a. GPS positions of anchor placements on the seabed and coordinates illustrated on a map with the iron sand extraction area clearly marked;</li> <li>b. GPS positions of the Crawler placement and tracks during iron sand extraction activities and coordinates illustrated on a map with the extraction area clearly marked;</li> <li>c. Any bathymetry measurements of the seabed measured in the reporting period for the area where removal of seabed material has taken place. (Note: Bathymetry will be assessed on a six (6) monthly basis);</li> <li>d. Quantity and rate of removed and deposited seabed material;</li> </ol>
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	<ul style="list-style-type: none"> <li>e. Maximum and average depth of seabed removed by the Crawler throughout each mining lane (from bathymetry);</li> <li>f. Average and maximum depth, and GPS position of any unfilled pits remaining after completion of a mining lane (from bathymetry);</li> <li>g. Average and maximum height, and GPS position of any mounds created during the deposition of seabed material (from bathymetry);</li> <li>h. Location and height above the seabed of discharge pipe whilst discharging seabed material;</li> <li>i. Details of any complaints received, including the Complaints Log; and</li> <li>j. Details of any investigations, including recommendations, undertaken by the Consent Holder, the TRG or the Kaitiakitanga Reference Group including a summary of any commentary or recommendations from the TRG and, where necessary, an explanation as to why any TRG recommendation has not been accepted;</li> <li>k. A record of pre-start observations as required by Condition <b>Error! Reference source not found.</b>; and</li> <li>l. Any other components required by the conditions of these consents.</li> </ul> <p>The Consent Holder shall provide the Quarterly Operational Report to the EPA and the <u>Kupe</u> Operator within forty (40) working days of each quarter ending (being 31 March, 30 June, 30 September and 31 December) during the iron sand extraction activities authorised by these consents.</p>
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## 2.7.2. Annual Report

81.	<p>Notwithstanding the requirements of Condition 0, or the reporting requirements outlined in the EMMP provided in accordance with Condition <b>Error! Reference source not found.</b>, the Consent Holder shall prepare an Annual Report for the previous twelve (12) month period from the commencement of iron sand extraction activities authorised under these consents. Subsequently, an Annual Report shall be prepared for each twelve (12) month period following the anniversary of commencement of the iron sand extraction activities.</p> <p>Each Annual Report shall include, as a minimum, the following information:</p> <ul style="list-style-type: none"> <li>a. An Extraction Schedule detailing: <ul style="list-style-type: none"> <li>i. The areas in which extraction and deposition is proposed to occur over the next twelve (12) month period;</li> <li>ii. The timing of proposed extraction and deposition activities in areas identified in Condition 0(a);</li> <li>iii. The volume and mass of materials extracted and deposited during the previous twelve (12) month period;</li> <li>iv. GPS locations or chart references detailing the location of extraction and deposition in the previous twelve (12) month period;</li> <li>v. Depths of extraction that are scheduled to occur; and</li> <li>vi. All updates of the extraction schedule that were notified to the EPA.</li> </ul> </li> <li>b. A summary report on all monitoring undertaken in the previous twelve (12) months in accordance with the EMMP required under Condition <b>Error! Reference source not found.</b>;</li> <li>c. Details of monitoring proposed for the next twelve (12) months in accordance with the EMMP required under Condition <b>Error! Reference source not found.</b>;</li> </ul>
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	<p>d. Details of any exceedances of the limits as identified in Conditions <b>Error! Reference source not found.</b> or <b>Error! Reference source not found.</b> as well as any management / mitigation action(s) implemented in response to any exceedance including details of any investigations;</p> <p>e. A record of all fuel used, and the sulphur content of the fuel, for each TTR project related vessel as required under Condition <b>Error! Reference source not found.</b>;</p> <p>f. A record of pre-start observations as required by Condition <b>Error! Reference source not found.</b>;</p> <p>g. Details of the TRG review of the annual monitoring data and the EMMP, along with recommendations for any actions or changes to the EMMP or the iron sand extraction activities, and how these were provided for as well as any reasoning as to why recommendations were not accepted; and</p> <p>h. Any other component required by the conditions of these consents.</p> <p>The Consent Holder shall provide the Annual Report to the EPA and the <u>Kupe</u> Operator within sixty (60) working days of the completion of each twelve (12) month monitoring period and at any other times upon request, the Consent Holder shall provide a copy of any previously issued Annual Report.</p>
82.	<p>The Consent Holder shall inform the EPA of any modified operational extraction and deposition areas or periods which differ from those identified in the “the next twelve (12) month” period of any Annual Report required by Condition 0.</p> <p>Where any such changes are in the area of Petroleum Mining Licence #38146, or the project area immediately adjacent to the <u>Kupe</u> assets or <u>Infrastructure</u>, the Consent Holder shall also inform the <u>Kupe</u> Operator of any modified operational extraction and deposition areas or periods which differ from those identified.</p> <p>The EPA, and where necessary the <u>Kupe</u> Operator, shall be informed of any such changes no later than thirty (30) working days prior to commencement of works in the modified area or as otherwise agreed in the SIMOPP.</p>

## 2.9 Risk Management

84.	<p><del>The Consent Holder will maintain insurances in accordance with the New Zealand Maritime Transport Act 1994, and any amendments, for liability arising from the operations during the exercising of the consents granted. Such insurance will be for a minimum of NZ\$500,000,000 (2020 dollar value).</del></p> <p><u>The Consent Holder shall, while giving effect to these consents, maintain public liability insurance for a sum not less than NZ\$500,000,000 (2016 dollar value) for any one claim or series of claims arising from giving effect to these consents to cover costs of environmental restoration and damage to the assets of existing interests (including any environmental restoration as a result of damage to those assets), required as a result of an unplanned event occurring during the exercise of these consents.</u></p>
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