

# Taranaki Regional Council Inland & Estuarine Contingency Response Plan for Unauthorised Discharges

Standard Operating Procedures

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## Part I

### 1. Introduction

This document, the *Inland and Estuarine Contingency Response Plan for Unauthorised discharges* (the Plan) sets out the Taranaki Regional Council's (the Council) planned response to unauthorised discharges to fresh and estuarine waters or to air, within the Taranaki region.

#### 1.1 Purpose

The Plan has been prepared in order to guide Council officers in their response to an unauthorised discharge within the inland area of the region, implementing the Council's policies and goals for unauthorised discharges outlined in the Council's Annual Plan.

The *Regional Policy Statement for Taranaki* (2010) supports the preparation of contingency plans to reduce the risk of a spill and establish measures to be undertaken in response to a spill to reduce environmental effects.

The Plan is a complementary resource management tool and sits in tandem with the *Taranaki Regional Marine Oil Spill Response Plan* so that the region is prepared for unauthorised discharges into a range of possible environments.

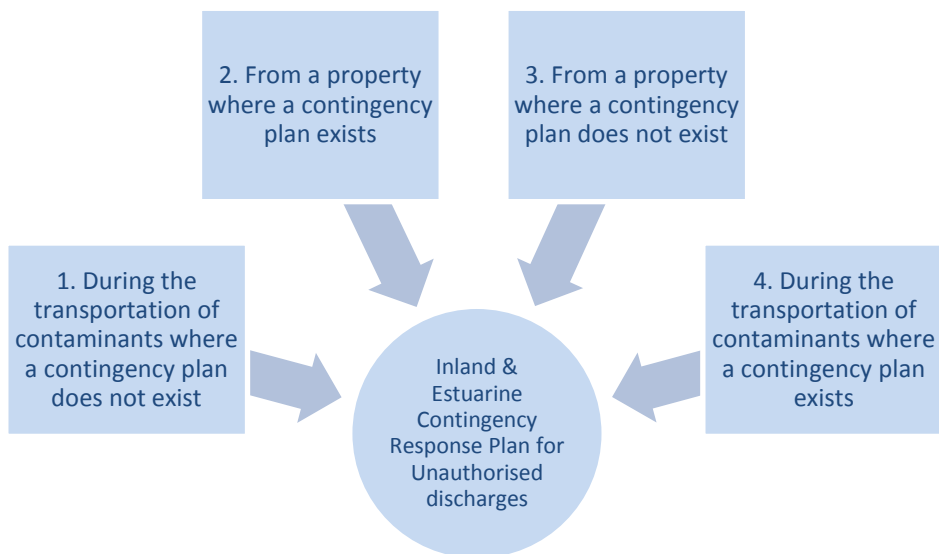
#### 1.2 Short title

The Plan may be cited as the *Taranaki Regional Council Inland and Estuarine Contingency Response Plan for Unauthorised Discharges*. The Plan has been updated eight times since 1991; past review dates are included in Appendix I.

#### 1.3 Scope

The Plan is primarily concerned with controlling and limiting adverse environmental effects associated with a spill of hazardous chemicals and/or other substances to fresh and estuarine waters or to air.

The standard operating procedures included in this Plan can be applied at all spill incidents, regardless of whether a spill contingency plan applies. Spill events can be broadly classified into four categories, as shown in the diagram below:



The Plan outlines the steps which will be taken in order to manage a spill incident that poses an environmental threat but not a threat to human life. If a spill poses a threat to human life, this plan will be followed once the threat to human life has been addressed.

Sensitive environmental areas are too numerous to list in this document, however, contingency plans generally list sensitive environments that are known to the Council's response personnel.

Particular emphasis will be placed on spills in urban water supply catchments.

### 1.4 Objectives

The following objectives have been adopted to ensure that the Council is able to address requirements under the Resource Management Act 1991 (RMA):

1. To encourage site specific contingency plans as special conditions of resource consents.
2. To investigate and report on all complaints, notifications or detection of spill incidents.
3. To ensure measures are taken to clean-up and restore the environmental quality of water, air and land in the event of a spill.
4. To ensure through contingency planning, education and monitoring, that all practicable measures are taken to minimise the likelihood of spill events occurring.
5. To recover the cost of the spill response where possible.
6. To use the provisions available under the RMA according to the Councils *Enforcement Provisions and Procedures* document.

### 1.5 Format

The Plan is divided into two parts:

- Part I includes the scope of the Plan and addresses the statutory functions and responsibilities of the Council and other organisations.

- Part II contains the operational section of the Plan which outlines the steps which will be taken by the Council in order to respond to various levels of contingency events.



*Booms deployed to contain a hydrocarbon sheen in the Mangaone Stream*



*Spill of urea from a vehicle accident on State Highway 3*

## **2. Statutory context and responsibilities**

### **2.1 Functions and duties of government agencies**

#### **2.1.1 Taranaki Regional Council**

Section 30 of the RMA sets out the functions of regional councils, these include under section 30(1)(f) the control of discharges of contaminants into or onto land, air or water and discharges of water into water.

Section 38 of the RMA allows the Council to authorise any of its officers to carry out the functions of the RMA. Outlined below are the sections of the RMA that provide officers a means to require people to do something<sup>1</sup>:

1. Direct a person pursuant to section 22 of the RMA to give an enforcement officer the name, address and date of birth of any person who has breached the obligations under Part 3 of the RMA.
2. Serve an abatement notice on any person pursuant to section 322 of the RMA subject to such conditions as the officer thinks fit.
3. Serve an infringement notice pursuant to section 343C of the RMA where the officer observes a person committing an infringement offence, or has reasonable cause to believe such an offence is being or has been committed by that person.
4. Pursuant to section 322 of the RMA an enforcement officer may at all reasonable times go on, into, under, or over any place or structure, except a dwellinghouse, for the purpose of

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<sup>1</sup>The methodology for undertaking investigations into an event is contained in the Council's *Enforcement Provisions and Procedures* document.

inspection to determine whether or not; the RMA, any regulations, a rule in a plan, a rule in a proposed plan, a resource consent, an abatement notice or sections 10, 10A or 20A is being complied with.

5. When undertaking an inspection under section 322, the officer may take samples of water, air, soil, or organic matter and may also take a sample of any substance that the officer has reasonable cause to suspect is a contaminant of any waste, air, soil or organic matter.
6. When undertaking an inspection under section 322, the officer may use such assistance as is reasonably necessary.

Section 15(1) prohibits the discharge of contaminants unless there is some express authority for it. Included below is section 15(1) of the RMA.

*(1) No person may discharge any -*

*(a) Contaminant or water into water; or*

*(b) Contaminant onto or into land in circumstances which may result in that contaminant (or any other contaminant emanating as a result of natural processes from that contaminant) entering water; or*

*(c) Contaminant from any industrial or trade premises into air; or*

*(d) Contaminant from any industrial or trade premises onto or into land -*

*unless the discharge is expressly allowed by a rule in a regional plan and in any relevant proposed relevant plan, a resource consent or regulations.*

### **2.1.2 Environment Protection Authority**

The Environmental Protection Authority (EPA) administers the Hazardous Substances and New Organisms Act 1996 (HSNO) and regulations that provide the statutory framework for all hazardous substances (except radioactive materials and infectious substances) throughout their lifecycle. Through this legislation the EPA is responsible for approving the importation and manufacture of hazardous substances and developing the controls regulating the transport, storage, use and disposal of those hazardous substances.

Responsibility for implementing and monitoring HSNO controls in the workplace rests with Work Place New Zealand.

### **2.1.3 New Zealand Transport Agency**

The New Zealand Transport Agency (NZTA) administers the Land Transport Act 1998 (LTA), regulations and land transport rules which provide for license endorsement, documentation, segregation and labeling of vehicles and loads. Land Transport Rule: Dangerous Goods 2005 (Rule 45001/1) sets out responsibilities for consignors, loaders and drivers/operators, and requirements for packaging (except packaging approvals), identification, documentation, segregation, transport procedures and training.

The Dangerous Goods Rule 2005, which is enforced by the Police on NZTA's behalf, applies to anyone transporting dangerous goods on land (and includes items for personal or recreational use).



#### **2.1.4 Involvement of other agencies**

In some spills there will be situations where the police or fire services act as incident commanders. These are identified as follows:

- Police – where injury or death has occurred
- Fire service – where injury or damage to property is liable to occur.

In both cases when the particular situations cease to exist, command for clean-up will formally revert to the Council.

## **2.2 Responsibilities of individuals and non government organisations**

### **2.2.1 Responsibilities of the spillover**

The person(s) in charge of the activity or facility from which an unauthorised discharge occurs (hereafter called the 'spillover'), is responsible for the containment and the associated clean-up of any unauthorised discharge.

Assumption of responsibility by an insurance carrier will not be allowed to defer or impede containment or clean-up operations, i.e. the spillover will not delay responding to an unauthorised discharge to allow an insurance carrier to undertake their own assessment.

The Council has overall responsibility of ensuring that satisfactory containment and clean-up operations are undertaken.

When adequate containment and clean-up operations are not being undertaken by the spillover, whether under a site specific contingency plan or not, the Council may assume control, direct operations and request assistance from other organisations as required, at the expense of the spillover.

### **2.2.2 Involvement of the Public**

Every person or company has a duty under section 17 of the RMA to avoid, remedy or mitigate any adverse effect on the environment carried on by that person. This includes contacting the Taranaki Regional Council when a spill occurs.

Section 17(1) also provides the Council with the necessary enforcement powers to require a person to cease, or prohibit a person from commencing something or require a person to do something that that would likely result in an adverse environmental effect.

Included below is Section 17(1) of the RMA.

*(1) Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on by or on behalf of the person, whether or not the activity is carried on in accordance with—*

*(a) any of sections 10, 10A, 10B, and 20A; or*

*(b) a national environmental standard, a rule, a resource consent, or a designation.*

### **2.2.3 Iwi Liaison**

As tangata whenua, iwi of the region have an interest in environmental incidents and associated spill response. Iwi contact details are provided both in Appendix II as well as on the Council's website ([www.trc.govt.nz](http://www.trc.govt.nz)), and are updated annually.

Iwi whose area (rohe) has been or is likely to be affected should be contacted as soon as practicable after a major spill is known to the Council. Liaison with an iwi representative can assist spill response. Iwi representatives can provide advice on sensitive environmental areas (e.g. kaimoana gathering areas), assist response planning and enforcement activities.

The Council has an Iwi Communication Officer who will also be able to assist the Compliance Manager or duty officer in responding to a spill incident and liaising with tangata whenua.

### **2.2.4 Other organisations to be informed of events**

The Council has a duty to inform other organisations in the event of a significant spill of contaminants to fresh and estuarine water. These organisations are outlined in Appendix VI under 'Possible affected parties'.

It may also be appropriate to contact individuals and/or organisations downstream of an unauthorised discharge.

The Taranaki Hazardous Substances Liaison Committee (organised by NZ Fire Service, New Plymouth) has been established to provide a forum for hazardous substance management discussions, including technical information for controlling, neutralising and disposing of hazardous substances and decontaminating affected sites.

## **3. Safety considerations**

### **3.1 General safety**

During any response to an unauthorised discharge, safety is the first consideration. Appropriate safety clothing and equipment must be utilised at all times.

The presence of hazardous substances must be ascertained, identified, contained and the area declared 'safe' prior to entry by clean-up personnel. It is recognised that the Fire Service and Police will likely be the first to respond to hazardous substance incidents and security of the site and safety would rest in that chain of command. The Fire Service notification system, callout and response progression is listed in Appendix III.

In the event of a hydrocarbon spill, all sources of ignition should be shut down and the area checked for flammable vapours before deploying staff or machinery in the area.

Personnel involved in the clean-up will be issued with protective clothing and should avoid coming into contact with the spilled product.

Where the use of a boat is required life jackets must be worn and the boat must be skippered by a qualified day skipper. All boats used in a spill response under the direction of the Council must have a Safe Ship Management Certificate.

Daily hours of work shall be limited to 10 hours with regular meal breaks. Washing facilities and food will be supplied.

The Council is responsible for the health and safety of Council officers and other personnel while they are undertaking work for the Council. Council officers have been trained in the requirements of the Health and Safety in Employment Act 1992 (HSEA), to ensure that they undertake their duties without risk to themselves or to others, including landholders whose property they may be working.

### **3.2 Statutory safety codes in industry**

Many industrial operations are subject to their own statutory safety codes under the HSEA. The Council is aware of these and recognises that higher priorities (other than immediate clean-up of a discharge) may arise in individual cases.

## **4. Taranaki Regional Council oil spill response kit and response team**

### **4.1 Personnel**

The Council has trained personnel in the Inspectorate Section (at least 10 individuals) to respond and recover a spill of medium size in inland waters and estuaries.

There is also a wide range of technical expertise available from the Council's Technical Services personnel for hazardous substance spill events including the Council's laboratory at Cloten Road, Stratford.

### **4.2 Equipment**

The Council has available spill containment equipment to respond to a spill of a medium size.

The equipment available to the Council to respond to a medium sized spill is included in Appendix IV.

In the event of a spill where the person(s) responsible have insufficient equipment, are unknown, or a response is not immediate and satisfactory, the Council's containment and recovery unit will be mobilised for use in containment, recovery and clean-up. The officer in charge may use outside contractors if necessary.



*Taranaki spill response trailer*

### **4.3 Training and maintenance**

The Council personnel in the Inspectorate Section, including communication staff involved with contingency events, are trained in communication procedures and in the use of the Council spill containment equipment.

Maintaining the spill containment equipment in good response condition is a top priority. Annual inspections of equipment will be undertaken and any necessary replacement or repairs carried out immediately.

At least one field training session will be held each year by the Inspectorate Section to maintain Council staff capability. This could include other industry representatives attending.



*Taranaki Regional Council spill response staff participating in training exercise*

## **5. Preventative measures**

### **5.1 Monitoring**

Monitoring of major industries through regular site inspections occurs in an effort to ensure compliance with consent conditions and prevent spills. Annual monitoring reports are presented to the Council's Consents and Regulatory Committee on the performance of the parties involved. Annual inspections of all agricultural waste discharges and minor industrial sites are undertaken to

ensure consent compliance, including the maintenance of treatment systems in good working order to prevent unauthorised discharges.

## **5.2 Site specific contingency plans**

Site specific contingency plans have been required as a special condition on resource consents (storm water) and are regularly reviewed. A list of current site specific contingency plans and review dates is included in Appendix V. Copies of up-to-date plans are held in the Inspectorate Section of the Council and in the Councils document management system.

Contingency plans list contaminants stored on site that if spilled, could contaminate the environment. Response methods for a spill are also set out.

## **5.3 Transporting hazardous substances**

Users will comply with the requirements of the Transport Act 1987 and Transport Law Reform Act 1991 and traffic regulations or the appropriate legislation of the time, when transporting hazardous substances by road. The freight operator and driver must consider and take actions to ensure:

- all freight is correctly restrained
- hazardous substances are segregated correctly
- the driver's license has the appropriate endorsements
- safety equipment required, which is provided by the carrier, is used
- the freight operator is responsible for ensuring that their drivers meet these requirements.

The provisions of the Hazardous Substances and New Organisms Act 1996 also applies. A vehicle transporting hazardous substances must carry a manifest and information about the particular hazardous substance and how any spillage/disposal is to be managed. Emergency services are often first on scene for vehicle accidents and locate the manifest in the cab of the vehicle, and are able to provide this to other responding organisations, such as the Taranaki Regional Council.

General requirements for the transport of hazardous substances are:

- vehicle decks shall be such that hazardous substances cannot spill during transport
- vehicle decks shall be cleaned so that no contamination or chemical reaction of hazardous substances carried can occur. Any truck wash down shall occur at locations where there is no runoff into a waterway or a stormwater system.
- all loads of hazardous substances shall be securely covered to prevent dust blowing from the truck and to prevent moisture uptake by the product
- when unloading hazardous substances the driver should ensure that the vehicle deck is cleared of all hazardous substances
- recorded in a vehicle manifest available to those responding to an accident.

## **Part II**

### **6. Council procedure in responding to notification of a unauthorised discharge**

#### **6.1 Initial response to an unauthorised discharge**

The first action of any person observing a spill is to report the spill to the Council, by telephoning (06) 765 7127 or 0800 736 222. These telephone numbers will be answered at all times. If a Council officer discovers a spill they must contact the Inspectorate Section immediately.

#### **6.2 Receptionist response**

During normal working hours, once an unauthorised discharge has been established, the telephonist shall take the name and number of the caller and then direct the caller, in order of preference, to:

1. Compliance Manager;
2. Administration Officer Inspectorate.

#### **6.3 Inspectorate response**

The Compliance Manager (or his deputy) shall:

- obtain as much relevant information from the caller as possible
- endeavour to determine the appropriate initial response (e.g. Level 1 or Level 2)
- appoint an Investigating Officer to go to the scene, investigate and confirm the level of response
- initiate the appropriate response including accessing site safety, stopping the spill and carrying out site clean-up
- appoint an Investigations Administration Assistant (if required)
- advise other affected authorities
- ensure a diary of events is kept
- enter the event into the Incident Database and Unauthorised Incident Register.

#### **6.4 Investigating officer**

The Investigating Officer shall:

- go to the scene and assume the role of the on-site officer
- advise the Compliance Manager of the magnitude of the event
- obtain all available information relating to the contaminant, source of the contaminant or, if no information is available, trace the pollutant to its source while having regard to personal safety
- determine the level of response necessary based on guidelines in section 7 of the Plan
- follow the guidelines for the appropriate level of response.

## 7. Guidelines for determining the response level

Outlined below are four levels of response to an unauthorised discharge. The levels classify the seriousness of the discharge based on the actual or potential effects on the environment. The appropriate response to an unauthorised discharge relates to these levels and should be determined according to the following guidelines. Two key roles are defined below.

On-site officer - The Investigating Officer who is first to respond to a spill following notification.

On-site person in charge - The person responsible for the control and management of a Level 2 (see below) or higher spill clean-up.

### 7.1 The five levels of response

The four levels of response are as summarised below:

#### Level 1

The discharge is minor, reported to the Council by the occupier or spillor and has been controlled and cleaned up under a contingency plan approved by the Council or under a special condition of a resource consent, and has not affected water quality to any extent.

#### Level 2

The unauthorised discharge can be controlled by the spillor to the satisfaction of the Council's Investigating Officer without any additional resources.

#### Level 3

The unauthorised discharge is not being controlled and/or cleaned up effectively, but the Council has the resources to control the clean-up without involving other organisations.

#### Level 4

The unauthorised discharge is not being controlled and/or cleaned up effectively and multi-organisational assistance is required to achieve satisfactory control and clean-up.

Outlined below in Figure 2 is a simple flow diagram to guide Council officers in determining the appropriate response to an unauthorised discharge (spill).

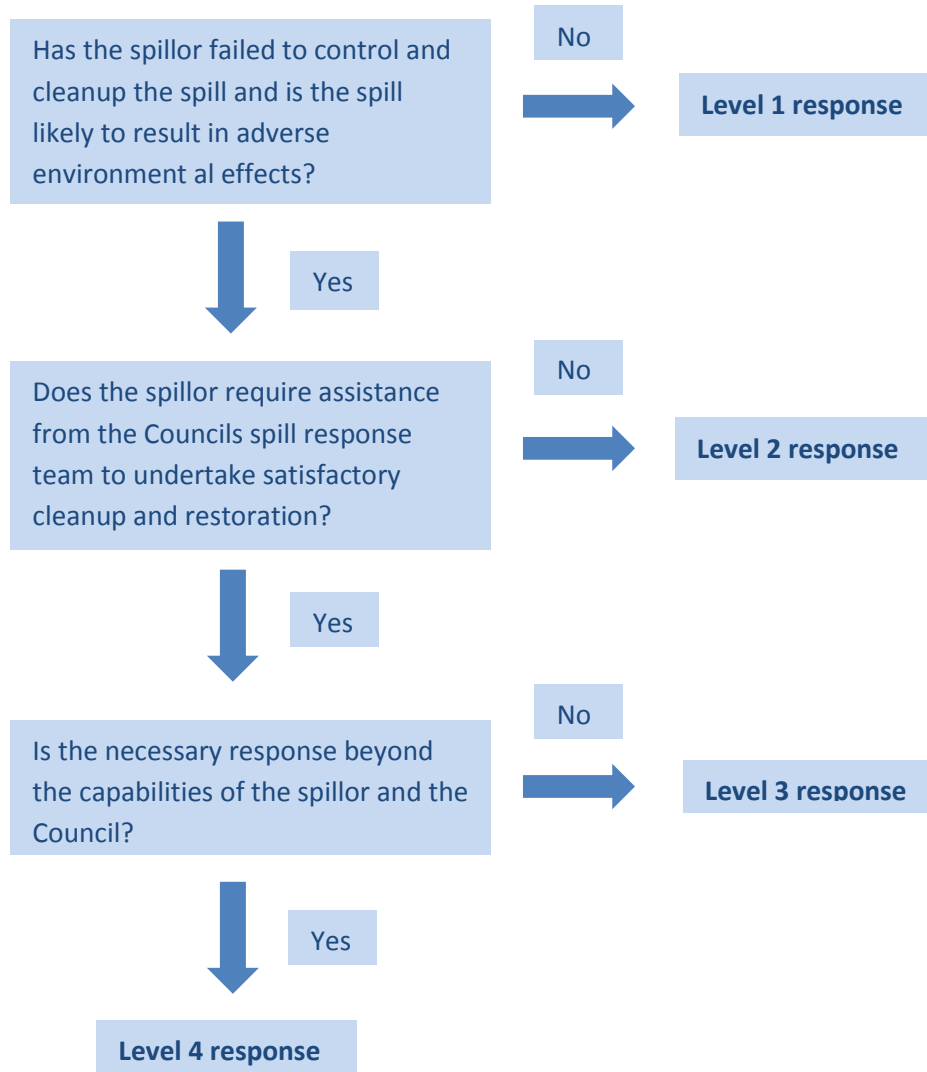


Figure 2: Spill response levels

The above four levels are set out below in more detail.

#### 7.1.1 Level 1 Response

A Level 1 response does not generally require attendance by a Council representative. This response will only be followed in minor incidents where the responsible person(s) has notified the Council and the appropriate response has been taken according to an approved contingency plan and clean-up has been completed.

All Level 1 incidents must be followed up with a written account provided to the Council by the spillor within a specified time frame.



The Council will take into consideration the 'Memorandum of Understanding' with the Fire Service that 10 litres of petrol can be safely washed from hard surfaces to stormwater systems where there is no other viable response option and all efforts are made to avoid adverse environmental effects (Appendix III).

#### **7.1.2 Level 2 Response**

A Level 2 response applies where the spillover has its own response team carrying out sufficient clean up procedures. A contingency plan may or may not guide the clean up.

An Investigating Officer will attend the event and adopt the role of 'On-Site Officer'. He/she shall consider the following:

- that a on-site person in charge has been established
- that an approved contingency plan is being followed or in the absence of a approved contingency plan that, in the on-site officers opinion, clean up is satisfactory
- that sufficient equipment and personnel are at the scene to contain, control and clean-up the discharge to the On-Site Officer's reasonable satisfaction.

The On-Site Officer shall:

- maintain contact with the Compliance Manager or deputy and confirm that the level of response is appropriate
- ensure that personnel are following all statutory safety procedures
- take into consideration the 'Memorandum of Understanding' with Fire Service that 10 litres of petrol can be safely washed from hard surfaces to stormwater systems
- offer assistance and maintain supervision until satisfactory clean-up and restoration has been achieved
- advise other relevant parties as appropriate
- advise the Compliance Manager of cost recoveries by issuing an inspection report
- advise on the necessity for the deployment of Council technical staff
- if the role of On-site person in charge has not been established, after conferring with the Compliance Manager, they should assume this role and supervise control and clean-up until satisfactory restoration has been achieved.

In accordance with the Council's *Enforcement Provisions and Procedures* document the on-site officer will:

- take samples above the discharge, below the discharge and of the discharge
- take relevant photographs
- assess if there is any effect to downstream users and take action if necessary, including calling out the Council's technical staff if appropriate
- complete a report with recommendations to the Compliance Manager.

### **7.1.3 Level 3 response**

A level three response requires the use of Council equipment and resources to complete clean-up and restoration. The procedures outlined in Levels 2 will be followed.

In addition the On-Site Officer will:

- confirm the availability of cleanup equipment
- advise the Compliance Manager that the Council spill equipment will be necessary and assume On-site person in charge status until further notice.

The Compliance Manager (or his deputy) will:

- arrange transport of spill equipment to the site of the unauthorised discharge
- appoint an Investigations Administrator.
- go to the spill site and assume the role of On-site person in charge
- advise other relevant parties (including iwi)
- seek the expertise from the Technical Services Section of Council to assist in identification, best practicable options and disposal of wastes
- maintain control until satisfactory restoration has been achieved.

### **7.1.4 Level 4 response**

This response is for serious spills which are beyond the resources of the spillor and the Council's response equipment and requires a multi-organisation approach to undertake clean-up and restoration. Once the seriousness of the spill has been established and the Council's response is elevated to Level 4, the following will occur:

A Council Spill Committee will be formed. It will include, but is not limited to, the following staff:

- Director-Resource Management
- Compliance Manager
- Technical Services Manager
- Iwi Communications Officer
- Inspectorate Administration Officer.

The Spill Committee's role will be:

- to confirm the On-site person in charge
- to co-ordinate the Council's response and ensure that the On-site person in charge has the necessary resources to control the situation at the site of the discharge
- to prepare and implement an action plan (this could be drafted inline with the Co-ordinated Incident Management System structure outlined in the *Tier II Marine Oil Spill Response Plan*)
- to co-ordinate the response of other parties including the:
  - New Zealand Fire Service
  - Hazardous Substances Committee for Taranaki

- New Zealand Police
- Emergency Management
- Fish and Game New Zealand (Taranaki Region)
- Department of Conservation
- the company or organisation principally involved and
- other organisations involved, in the spill
- to appoint a Media Liaison Officer (MLO), if required
- to appoint a Historian, if required.

If appointed the MLO will:

- draft media releases and gain approval for their release from the Director Resource Management or in his/her absence the Compliance Manager
- manage incoming media calls
- manage interview requests and brief participants
- promote and manage press conferences
- manage site visits by media, dignitaries or special interest groups
- monitor media (checking for misinformation or information/concerns gleaned from the public)
- distribute safety warnings or any other information as required by the On-site person in charge
- liaise with media staff from other agencies
- ensure internal staff are kept informed of the response.

The Historian will:

- keep a chronological record of events and furnish a report on completion of clean-up and restoration
- assist the On-site person in charge as required
- notify the responsible person(s) or organisation (if known)
- obtain copies of relevant permits, company contingency plans and a list of downstream water users
- notify downstream water users (if requested).

Additional duties include:

- direction of staff resources including the Council's Technical Services Section
- utilisation of the Council's laboratory
- co-ordinating a monitoring and evaluation programme and determining other measures necessary to complete an environmental impact statement
- ensuring that the Council's On-site person in charge has resources made available to him within the limits of delegated financial authority
- reference to the relevant legal documents (permits and appropriate Acts)

- determining the legally responsible party
- ensuring that provision is made to clearly identify all incident related costs for later cost recovery purposes
- keeping the Chief Executive Officer (if he is not a member of the Committee) and members of Council informed of the Council's response
- confirming that clean-up and restoration has been completed to the satisfaction of the On-site person in charge.

## **8. Supporting information**

### **8.1 After hours considerations**

#### **8.1.1 Duty officers**

A 24 hours telephone response system is in operation throughout the Council area, which involves the Inspectorate Section. An officer will be on duty at all times outside office hours.

Call outs outside normal working hours require a response as soon as possible but within four hours, by an officer who is on duty. If the incident involves water body contamination within the context of hazardous substances then the response should be immediate.

#### **8.1.2 Information**

Information held at the Council outside working hours is available by contacting a Council office through the central calling system, to make available the following information:

- records of consent holders to identify downstream users (Consent Section)
- contingency plans for various industries and operators (Inspectorate Section)
- oceanographic data (Technical Services Section)
- marine ecological data (Technical Services Section)
- freshwater water quality and biological data (Technical Services Section)
- hydrological data (Hydrology Section).

#### **8.1.3 Expertise**

The following expertise is available at the Council, to assist response and collate and supply technical information.

- Secretarial staff.
- Technical staff:
  - scientists
  - hydrologists
  - marine ecologist
  - freshwater biologists
  - engineers
  - chemists
  - field officers
  - civil defence officers.

## **8.2 Cost recovery**

Cost tracking must be rigorously applied throughout the response. High priority must be given to the gathering of sufficient and accurate information to enable the recovery of costs from the spiller. In many instances the spiller will be known, therefore they (via the insurers) will agree to meet costs. In other instances, either the spiller will not be known or they may not agree to pay costs. In these latter instances, costs can be recovered in three ways, via a successful prosecution, a civil action in Court or an enforcement order under the RMA.

## **8.3 Incident Register**

A register of all incidents will be kept by the Inspectorate Section. A report will be entered in the Incident Database with recommendations on all unauthorised discharges. The events are allotted an Incident Register number and a job number for timesheets. Reports on the incidents will be regularly presented to the Council through the Consents and Regulatory Committee meetings.

### **8.3.1 Identification of an unauthorised discharge and its impact**

For the purpose of the Incident Register any unauthorised discharge will be identified by type as follows: complaint, spill, non-compliance, discovery, self-notification.

In the event of a fish kill observed because of a spill, the Council's Fresh Water Biologist/Marine Biologist will be commissioned to determine the extent of adverse environment effects and produce a report.

## **8.4 Monitoring and restoration**

It is important that monitoring be continued after the spill event for a duration long enough to establish any long term effects, and the return of the resource to its pre-spill condition.

Restoration of the natural ecosystem will be determined through the Council's monitoring and possible clean-up function. If this is undertaken by another organisation, the restoration may be subject to resource consent application. The Council's Technical Services Section will determine that suitable pre-spill ecosystem levels have been achieved.

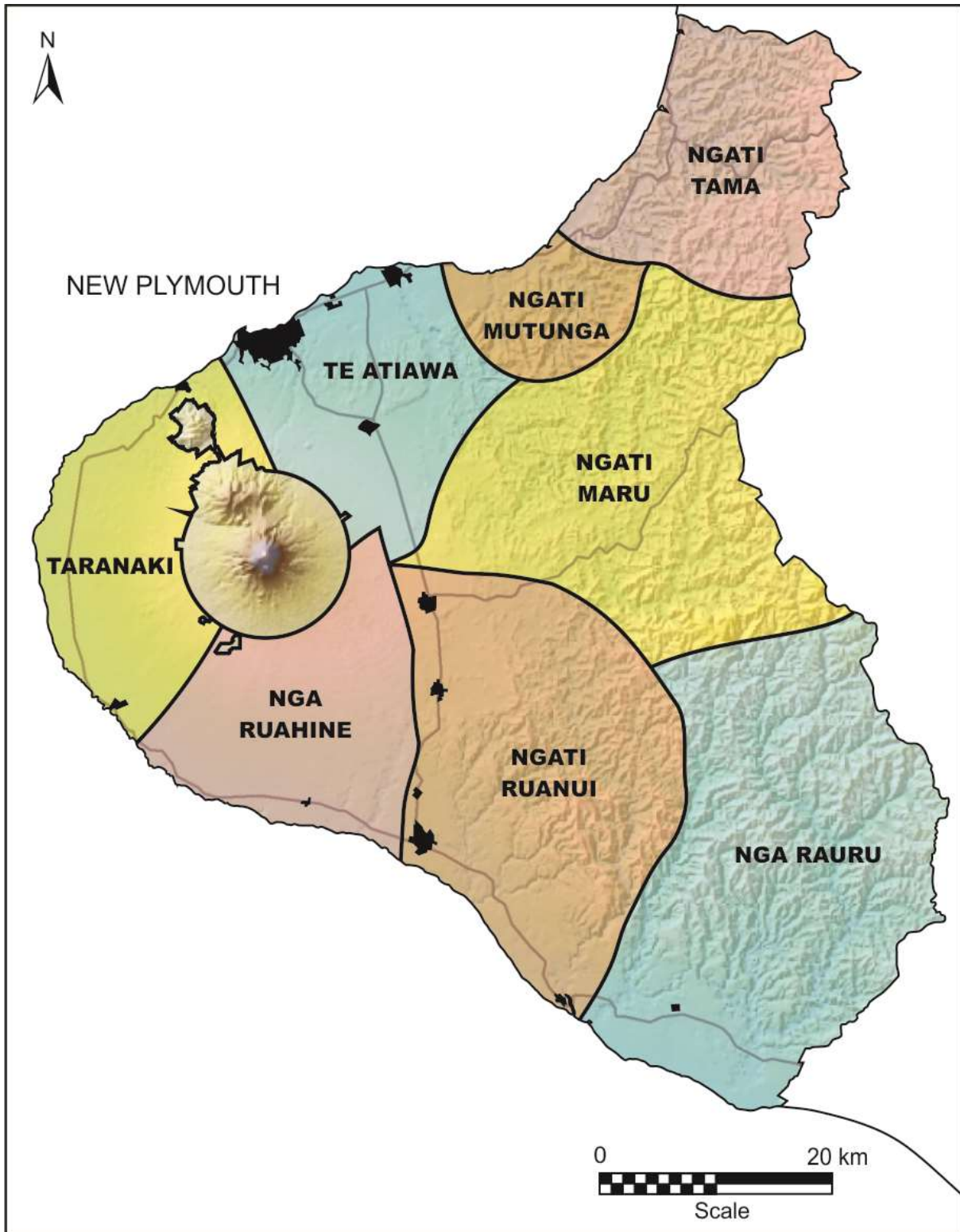
## **8.5 Debriefing**

At the conclusion of a major clean-up following an unauthorised discharge, there should be a debrief meeting of representatives from all the organisations involved. The debrief will assess the effectiveness of the response and review any contingency plans, with the aim of preventing a re-occurrence or improving response procedures and outcomes.

**Appendix I: Taranaki Regional Council Inland and Estuarine Contingency  
Response Plan for Unauthorised Discharges review dates**

<b>Review date</b>	<b>Sections reviewed</b>
December 1989	Complete review following submissions.
April 1991	Complete review
April 1993	Update
October 1996	Update
December 1998	Update
September 1999	Update
March 2000	Review
January 2001	Contractor update
January 2013	Review

## Appendix II: Iwi areas (rohe) and contact details



The above map is indicative of iwi boundaries only, as some boundaries overlap. Maps showing individual iwi boundaries can be found at [www.tkm.govt.nz/iwi](http://www.tkm.govt.nz/iwi)

## Iwi

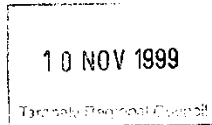
Organisation	Contact	Telephone/Fax
Ngati Tama	Mr Stephen White Paul Silich	06 7523565 06 7550240
Ngati Mutunga	Rodney Baker Paul Cummings	06 7523247 06 7523247 027 7554000
Te Atiawa	Ms Wikitoria Keenan	06 7589777 - 027 2906027
Ngati Maru	Maioha Tokotaua	06 7646695 022 1563252
Taranaki	Mr Toka Kevin Walden	06 7514285
Nga Ruahine	John Hooker	06 2748047 – 027 2402470
Ngati Ruanui	Debbie Packer	06 2780148 – 027 2667858
Nga Rauru Kiihahi	Te Pahunga MW Davis	06 3484894 - 027 5009131



**Appendix III: New Zealand Fire Service method of notification and understanding with the Council**

RFS 3/1

A10-06-01



9 November, 1999



Brian Calkin  
Taranaki Regional Council  
Private Bag 713  
STRATFORD

Dear Brian,

**Re: Hazardous Substances Technical Liaison Committee Notification.**

As agreed at our Meeting, I am circulating for approval, the new method we will use to advise you of Hazardous Substances Incidents.

The advantage of this is that you will receive advice of any incident that involves your department.

Our notifications for you will be –

- 1<sup>st</sup> Alarm: All spillages, except less than 10 litres of petrol. Response is at your discretion.
- 2<sup>nd</sup> Alarm: Peter Gallagher or Kevin Hill will gather data on the spill and contact you to discuss action. Response is at your discretion.
- 3<sup>rd</sup> Alarm: Normal notification for response to incident.

If you are happy with this or want some changes, please get back to me.

Yours faithfully

pp Allen E. Pidwell  
Chief Fire Officer  
NEW PLYMOUTH

P O Box 747, New Plymouth, Telephone 06-757 5505, Facsimile 06-757 8180

NEW PLYMOUTH FIRE DISTRICT

## Appendix IV: Equipment lists and mobilisation instructions

In order for Taranaki to respond to a spill, Maritime NZ has located specific equipment in the region. This equipment is effectively on loan to the region and is subject to conditions for storage, maintenance and use.

The equipment is stored at a Port Taranaki Limited storage building (the old Toops building), adjacent to the Port on the corner of Breakwater Road and Ngamotu Road, New Plymouth, and is only used for oil spill response. Should any organisation approach the Council with a view of using the equipment for a purpose other than oil spill response, this will first need the agreement of Maritime NZ and be subject to commercial hire rates.

The list below sets out equipment owned by Maritime NZ, but located in the region. After hours access to equipment will need to be arranged by contacting Port Taranaki Limited staff at Port Taranaki which is manned on a 24 hour basis. The contact number is 06 751 0200, or by contacting personnel at the Taranaki Regional Council on 06 765 7127 (Glen Candy, Bruce Pope or Flo Blyde).

Transport of equipment stored at Port Taranaki can be arranged through Port Taranaki or Hookers Pacific, New Plymouth (06-7559990 or After hours 0274 424 900).

The following is a comprehensive list of equipment, with contact details, that can be called on from various organisations in an incident.

Port Taranaki Limited	
Based at:	Port Taranaki
Address:	Breakwater Road, New Plymouth
Contact Person:	Capt John Ireland
	Ph 06-7510200
<b>Dispersant and spray equipment (MNZ)</b>	
<b>Gamlen OSD LT Type 2</b>	<b>4,000 litres</b>
Dispersant spray set	1
Helo Nozzles TK 10	50
Helo tips only TK 10	50
Back pack spray – Swissmex 15 litres	1
<b>Dispersant and spray equipment (Port)</b>	
Gamlen OSR LT – 200 litres	8
Set vessel dispersant spray booms/associated pump	1
<b>Boats/vessels (Port)</b>	
Mack 420	1
Mack 360 and trailer	1
Maui 1 – Tug	1
Kupe – Tug	1
Tuakana – Tug	1
Pilot Launch Westgate	1
<b>Note:</b> All three Tug units are equipped to lay a blanket of foam	

<b>Booms (MNZ)</b>	
Ro-Boom (and ancillary equipment, power packs etc)	3 (200m lengths, 600m total)
Fence boom 750mm	6 (100m length, 600m total)
Land/Sea boom	6 (80m length, 480m total)
Land/Sea boom	1 (75m length)
Rapid Deployment boom	2 (99m length, 198m total)
<b>Absorbent material (MNZ)</b>	
Oil snares	60
Sorbant Pads	1600
Sorbant pillows	60
Sorbant Boom	48
<b>Skimmers and pumps (MNZ)</b>	
Rope Mop (to be used with Roper Mop skimmer) – 20 metres	1
Rope Mop Skimmer/associated pump	1
Komara 12K skimmer (Oleophilic)	1
Pedco aluminium weir skimmer	1
Minimax weir skimmer	1
Terminator weir skimmer	1
Spate Pump GS 30 tonne/hr (ancillary equipment)	2
<b>Temporary Storage (MNZ)</b>	
Frame tank 25 tonne	2
Frame tank 15 tonne	1
<b>Misc (MNZ)</b>	
Blowers (inflators)	1
Hand pumps	1
Hand wringers	1
Wildlife equipment (blue box, contents at the back of this annex)	1
Plastic containers, 20 litres for dispersant	8
Dolav storage bin 700 litre	1
<b>Foam (Port)</b>	
Alcohol compatible AFFF	

<b>Chemfreight (storage of MNZ dispersant)</b>	
Based at:	JHD Storage
Address:	40-44 Waitara Road, Brixton, Waitara
Contact Person:	Ph 06-7549222 or Fax 06-7549160 or email <a href="mailto:despatchakl@chemfreight.co.nz">despatchakl@chemfreight.co.nz</a> att: Nicole Reader
<b>Dispersant and spray equipment (MNZ)</b>	
Corexit 9527 Type 2/3 (200 litre drums)	3,200 litres

**Taranaki Regional Council**

Based at:	Taranaki Regional Council
Address:	47 Cloton Road, Stratford
Contact Person:	Bruce Pope
	Ph 06-7657127 or 027 442 7492

**Spill Trailer (in shed at TRC)**

	Size	Quantity
Back Pak Sprayer		1
Warratahs		12
Broom		1
Brushcutter		1
Throw line		1
Coil Rope		2
Sledge Hammer		1
Square mouth shovels		4
Bins PPE gear (see below*)		2
Trailer Lock		1
20 lt Dispersant		1
5 lt Petrol container		1
Chemical spill absorbents	Box	1
5000lt collapsible dam		1
Decanting hose		1
Hose for pump	10mtr	1
Hose for pump	5mtr	2
Weir skimmer		1
Pump		1
Generator		1
Portable lights+cable		2
Reducer fitting 25mm-50mm		1
Mini Air booms		2
Pump for air boom		1
Life jackets		4
Chest Waders		2
Hydrocarbon sorbent booms		10
Hydrocarbon sorbent pads		4
Peat Absorbents	28ltr	1
Claw Hammer		1
Pliers		1
Crescents		2
Small Hammers		2
Hacksaw		1
Pinchbar		1
Screwdriver set		1
Gear in PPE bins*		
Overalls	Pair	2
Coveralls	Pair	2
Safety Glasses	Pair	2
Gumboots	Pair	2
Rubber Gauntlets	Pair	2
Headlamps		2
Safety Helmets		2
Barrier (warning) tape	Roll	1

**Dispersant sprayers**

Spray unit 2,000 kpa (suitable for boat)	1
Knapsack sprayers	3
<b>Absorbent material</b>	
Sorbant pads	1 bale
<b>Boats</b>	
Delia S – 5.5 Extreme Sport Fisher Aluminium	1
Twin 40hp Mercury	1
Life jackets	4
Inflatable life jackets (Hutch Wilco)	2
<b>Pumps</b>	
Motorised Robin self priming 3" pump and hoses	1
<b>Communications</b>	
Handheld Radio Telephones – at Taranaki Regional Council	
Mobile phones (held by many staff)	
<b>Vehicles</b>	
4x4 vehicles	3
2x4 utility vehicles	3
Tandem trailer	1
Single trailer	1
ATV bikes	2
4x4 Utility Vehicle (Teryx) with own transport trailer	1
Various other 4x4 and 2x4 utility vehicles in Council fleet	
<b>Personal Protective Equipment</b>	
Hardhats	7
Safety glasses	6
Overalls	6
Gumboots	6 prs
Ear plugs	Heaps
Gloves (chemical suitable)	
PVC trousers (old yellow)	3
PVC jackets (old yellow)	3
Life jackets (see Boats)	
<b>ICC equipment (in Inspectorate section of TRC)</b>	
Portable phone/PABX in case (has extra phones)	1
Portable fax	1
ICC Kit (contains plans, maps, information books, name plates and various stationery)	In locked wooden box, key in Inspectorate
Computers (Internet and TRC network)	12 PCs
Computers throughout the TRC offices	Various
Laptops	11 (Only one with internet access)
Laptops (IT department)	2 (if not already booked in use)
<b>Spill Kits (In TRC vehicles)</b>	

Plastic overall	1
Dike leak	1
Absorbent sausage	1
Sorbent pads	4
Rubber gauntlets (gloves)	1 pr
Grate cover	1
Black plastic bags	10
Polypropelene overalls	1 pr
Latex gloves	1 pr
Leather gloves	1 pr

### Taranaki Emergency Management Office

Based at:	45 Robe Street, New Plymouth
Address:	Private Bag 713, Stratford
Contact Person:	Mike Langford
	Ph 06 758 1110 or 027 303 2177

### Communications

Handheld Radio Telephones (CDEM & TRC Channels – 1w)	08
Handheld Radio Telephones (CDEM,TRC and selected marine channels – 5w)	10
Handheld PRS Radio (0.5 w)	6
Mains powered marine radio	1
Mobile VHF Radio for vehicle (CDEM & TRC channels)	1
Mobile VHF Radio for base station	1
Portable hi-gain aerial	1
Portable plain paper fax machine	1

### ICC equipment

Independent LAN	8 PC with connectivity for 22 more, B&W printer, Colour printer.
Data projector	2
Marine VHF radio	1
TRC/CDEM radio	6
Aeronautical Radio (requires licenced operator)	1
GIS	1 laptop
Whiteboard display system	
Computer/s (with access to TRC network)	6

### Misc

Whiteboards	4
Tarpaulin	60
Sandbags	loads
Shovels	7
Long handles shovels	1
Portable petrol generators (4 kVa)	2
Portable lights	4

### New Zealand Oil Services Ltd

Based at:	Shell Todd Oil Services site, Corner Ngamotu and Centennial Drive, New Plymouth
Address:	PO Box 180, New Plymouth
Contact Person:	Alastair Codd

Ph 06 751 5030			
<b>Gel Spill Trailer: Hookers Yard, Waiwhakaio, New Plymouth</b>			
Bag cotton rags	1	Stainless steel bucket (with earth strap)	1
Shovel	1	API 2-4" Kamlock fitting	1
Yard broom	1	API 2-8" Kamlock fittings	2
Bolt Cutter	1	9kg dry powder fire extinguisher	1
2" stand pipe	1	"Accident" signs	2
Lengths 2" flexible hose & joiners	2	Stainless steel bucket (with earth strap)	1
Pump: air operated	1	5 litre CRC	1
Bale oil absorbent cloth squares	1	0.57kg leak sealant	1
Pack MRKP spill containment	1	14 piece ring spanner set	1
13 piece screwdriver set	1	Pairs gloves	4
500gm hand cleaner	1	Empty 20 litre metal pail	1
Hard Hat	2	Marker cones	4
Fire blanket	1	Bundle of wire	1
High visibility vests	2	Box C batteries (spare)	1
Box dust masks	1	Aerosol cans (blaze paint)	2
Pair ear muffs	1	Pairs cotton overalls	2
Roll yellow 'Caution' tape	1	Pairs safety glasses	2
Rubber Hammer	1	Pairs safety gumboots	2
Pairs cotton overalls	2	Large Toolbox containing:	1
Pairs safety glasses	2	• 40 piece socket set	
Pairs safety gumboots	2	• Hex wrench set	
Stakes	8	• Ball hammer	
30m earth wire	1	• Hacksaw	
Rope	1	• Short crowbar	
Small Toolbox containing:	1	• 8" pliers	
• Airdrill		• 300mm crescent	
• 2 x 50mm Holesaws		• 200mm crescent	
• Can of cutting oil		• 300mm adjustable pliers	
• Air fitting adaptor		• 18" pipe wrench	
• Chuck Key		• 10" pipe wrench	
12V fluorescent work light with battery, cigarette lighter fittings, plugs			1
Flash orange beacon (with cigarette lighter plug)			1
Sets wet weather gear i.e. 2 of raincoats, 2 of leggings			2
Torches (1 x 2AA batteries, 2 x 2C batteries)			3
<b>Spill Equipment taken to Pipeline &amp; Truck bunkers: NZOSL workshop, Centennial Dr, New Plymouth</b>			
Absorbent pads (40 x 50cm)	40	Pillows	2
Socks (7.6cm x 3.6m)	4	Pr Gloves	2
Socks (7.6cm x 1.2m)	2	Spill berm (10cm x 5.7cm x 3m)	1
Disposable bags	4	Drain seal (121cm x 121cm)	1

<b>Shell Todd Oil Service Ltd</b>	
Based at:	EIL (Omata) Tank Farm
Address:	Centennial Drive, New Plymouth
Contact Person:	Tank Farm Staff
	Ph 06 7511881 (day)
	Response Co-ordinator Ph 027 422723 (a/h)
	Pager 026 256 0347 or 026 107755

<b>Oil Spill Containment &amp; Recovery (OSCAR) Unit</b>	
<b>Booms</b>	
River booms with connectors 15m	6
Sorbant boom 3m	6
Boom stiffeners	4
<b>Oil skimmers</b>	
Pedco aluminium skimmer	1
Fibreglass Skimpak skimmer 2000 series	1
<b>Hoses</b>	
Oil resistant suction hose 50mm x 20m	1
Oil resistant suction hose 1 ½" x 2m	4
Oil resistant suction hose 2" x 2m	6
Oil resistant lay flat discharge hose – 1 ½" x 10m	1
Oil resistant lay flat discharge hose – 2" x 10m	1
<b>Spares</b>	
Male-female camlock 1 ½" set	1 set
Male-female camlock fittings	1
Reducer with camlock fittings	1
Assorted 2" x 1 ½" hose clips	
Assorted shackles	
<b>Pumps</b>	
Robin self priming 2" pump, spark arrester and male camlock fitting	1
Robin self priming 1 ½" pump, spark arrester and male camlock fitting	1
<b>Fuel for pumps</b>	
Fuel cans with plastic funnel – 10 litres	3
30-40 oil – 4 litres	1
<b>Ropes</b>	
110m length on reel	1
55m length on reel	1
<b>Tools and safety equipment</b>	
Various	
<b>Also available from this Company</b>	
<b>Boats/Vessels</b>	
Rig support vessel 'Pacific Chieftan'	1
<b>Dispersant</b>	
Tergo R40 Type 3	2,000 litres



100 tonne Lancer Barge and storage units	1

### Shell Todd Oil Services Ltd

Based at:	New Plymouth
Address:	Devon Street East, New Plymouth
Contact Person:	Response Co-ordinator
	Ph 027 422723
	Pager 026 256 0347 or 026 107755

### Dispersant and spray equipment

TERGO R40 Type 3	2,000 litres	
Assorted dispersant spray booms		Paritutu Store complex

### Pumps

Pumps high pressure well kill	2	Stores/Kapuni
Assorted pumps and tanks		Kapuni
Wilden pumps	3	Oaonui
Spray pump		Maui

### Skimmer

Vikoma Oil skimmer	1	Paritutu Store Complex
100 tonne capacity Lancer oil recovery barge	1	Paritutu Store complex

### Booms

400m containment boom	1	Paritutu Store complex
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### Storage portable

Drums and various bulk containers		Stores and sites
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### Loader

Hough Loader	1	New Plymouth
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### Methanex NZ Ltd Mutual Aid Equipment

Based at:	Motunui Plant
Address:	Main Road North, Motunui
Contact Person:	Murray Fisher
	Ph 06 7549836
	Ph 021 471 877

### Foam

AFFFF Foam	10,000 litres
<b>Gas detection units</b>	
Gas detectors le/O2	2
<b>Pumps</b>	
Portable diesel pump	1
<b>Personal protective clothing</b>	
Total encapsulation suit	2
Encapsulating suit (2 piece)	2
Chemical splash suit	2
<b>Vehicles, cranes</b>	
20 tonne crane	1
P & H Crane Rough Terrain 40T	1
JLG Man lift self propelled	1
<b>Hoses</b>	
70mm rubber hoses	6
45mm rubber hoses	6
Hose ramps	3 prs
<b>Monitors</b>	
1,000 GPM mobile monitor	1
500 GPM mobile monitor	1
JS10 Foam Branch	1
125 Akron & Elkhart Branches	4
<b>Breathing apparatus</b>	
BA Sets Draeger PP	4
BA Set Line 150ft Hose	1
Longline backpack and masks	2 sets
Cylinder Air 1,200 litres	6 sets

<b>Origin Energy</b>	
Based at:	New Plymouth
Address:	32 Molesworth Street, New Plymouth
Contact Person:	Amanda Lambert
	Ph 06 769 9861
	Ph 021 1574374
<b>5 x Relocatable pallet spill kits (1100lt wheeled, forkliftable bin):</b>	One at Waihapa Production Station, Two at Kupe Production Station One at Rimu Production Station One is moved around as needed for project sites
55Lt Enviropeat	5
Sorbent Boom (130mm x 3m) or PBFO3.6 Poly Booms (100mm x	20

3.6mtr)	
MBP Oil Sorbent Pads (45cm x 45cm x 10mm)	400
SKLH Label	1
MBR 409 Sorbent Rolls (40m x 90cm)	1
Disposable Plastic Bags	20
Yellow H/D PVC Parkas (XL)	2
Yellow H/D PVC Bib Over trousers (XL)	2
45CM PVC Gloves	2
Black Safety Gumboots (Size 10)	2
<b>Multiple 100L spill kits placed around sites.</b>	
Particulate Spill Sorb (28L)	1
Oil absorbent Pads (40 x 50cm)	10
Oil absorbent Socks (7.5cm x 2.5cm)	3
Soil absorbent Pillows (45 x 45cm)	2
PVC Overalls	1
Pair PVC Gloves	1
Pair Chemical Safety Goggles	1
Plastic Disposal Bags	4
Instructions	1

<b>OMV New Zealand Ltd</b>			
Contact Person:	Emergency Co-ordinator		
	Ph 027-4368000		
<b>Oil Spill Kit Contents on FPSO Raroa</b>			
Shovel (Non Sparking)	6	Emulsifier for cleaning deck	200L
Scoops (Non Sparking)	6	Oil Spill Dispersant	500L
Demucking buckets	6	OSD spraying device	2
Squeegees	6	Liquid detergent (Mama Lemon)	24L
Oil sorbent pads	200	Wilden pump	2
Saw dust (Bags)	50	Anti skid rubber boots	6
Empty 200L drums (For oil spill use only)	4	Rubber gloves	6
OPA Kit (LOA>400 Ft)	12	Spare scupper plugs	4
<b>Oil Spill Kits on WHP</b>			
<i>#1 Large Fibreglass Orange bin by Crane</i>			
Large bunding tubes (bags)	2	Absorbent Pads	4
Response Kit	1	Portable containment bunds	4
<i>#2 Small Fibreglass Orange Bin at Alternate Muster Point</i>			
Large bunding tubes	2	Absorbent Pads	3
Response kit	1	Portable containment bund Kits	2
Rubber gloves (pair in response kit)	2		
<i>#3 240L Yellow Wheelie-Bin on Walkway</i>			
Absorbent Pads		Chemical resistant coveralls	2
Small bunding tubes	12	Gloves	2
Absorbant Pillows	1	Safety goggles	2
Plastic rubbish bag	2	Bag of rags	1
<i>#4 120L Yellow Wheelie-Bin at N/E Main Deck</i>			
Bunding tube	1	Plastic rubbish bag	1
Bag of rags	1	Rubber gloves	1
Absorbent pads (pkts)	2		

<b>#5 240L Yellow Wheelie-Bin in Well bay – Chemical</b>			
Bunding Tubes	2	Portable Containment Bund Kit	1
Bag of rags	1	Pair Gloves	1
Response kit (Blue chemical absorbent pads)	1		
<b>#6 240L Yellow Wheelie-Bin in Well-bay – Oil</b>			
Small bunding tubes	10	Plastic Rubber bag	1
Disposable overalls	2	Rubber gloves	2
Portable Containment Bund Kit	1	Absorbent pillow	2
Absorbent pads (pkts)	3		
<b>#7 240L Yellow Wheelie-Bin</b>			
Absorbent Pads		Plastic rubbish bag	1
Rubber Gloves	1		
<b>#8 240L Yellow Wheelie-Bin</b>			
Absorbent Pads		Plastic rubbish bag	1
Rubber Gloves	1		
<b>Portable Oil Spill Kit (Six available)</b>			
Disposable waste Bags	10	Sorbent pillow	5
Sorbent pads – oil only	50	Glove – Nitrile dipped	2
Sorbent sock (1.2m)	4	Disposable Overalls	1
Sorbent boom (3m)	3	Safety Goggles	1
Mineral sponge (20 Kg)	2	Brush & Pan	1

<b>New Zealand Fire Service</b>	
Based at:	New Plymouth
Address:	Liardet Street, New Plymouth
Contact Person:	Pat Fitzell or Peter Gallagher
	Ph 06 757 3860
<b>Foam</b>	
Foam	
<b>Lighting units</b>	
Flood lights	5

<b>A J Cowley Ltd</b>	
Based at:	New Plymouth
Address:	2 Manadon Street, New Plymouth
Contact Person:	Mark Wilson
	Ph 06 751 1410 (wk)
	Ph 06 753 6250 (a/h)
	Ph 027 4963 249
<b>Trucks, front end loaders and general earthmoving equipment</b>	

**Burgess & Crowley Ltd**

Based at:	Kaponga
Address:	Manaia Road, Kaponga
Contact Person:	Owen Burgess
	Ph 06 769 5793
	Ph 027 4432353

**Trucks, front end loaders and general earthmoving equipment****New Plymouth Airport**

Based at:	New Plymouth
Address:	Airport Drive, New Plymouth
Contact:	Ph 06-7550500

**Various small aircraft****Hawera Airport**

Based at:	Hawera
Address:	State Highway 3, Hawera
Contact:	Ph 278 6301

**Various small aircraft****Beck Helicopters Ltd**

Based at:	Eltham
Address:	Mountain Road, Eltham
Contact:	Ph 06 764 7073

**Helicopters/dispersant applicators**

Bell 204 Iroquois	1
Bell 206B Jet Ranger fitted with simplex	1

**Helicopters (NZ Ltd)**

Based at:	Nelson
Address:	Private Bag 9, Nelson
Contact:	Ph 03 547 5255

**Helicopters**

AW139 (12 passengers each)	2
Bell 412 (10 passengers)	1

<b>Precision Helicopters Ltd</b>	
Based at:	New Plymouth (Urenui)
Address:	450 Kaipikari Road Upper, Urenui
Contact:	Ph 0800 246359
<b>Helicopters/dispersant applicators</b>	
AS 350B	2
MD 500E	1
MD 500D	1
R22 Beta II	1
R44 Raven II	2
Jet Ranger 206	1
R22	1
Multiple Sets of spray equipment for AS 350B and MD 500E/D	

<b>New Plymouth Underwater Ltd</b>	
Based at:	New Plymouth
Address:	1547 Surf Highway 45, RD 4, New Plymouth
Contact:	Mike Sharp
	Ph 06 752 1220
	Ph 027 4470161
<b>Boats</b>	
15m Blade Runner – twin engine (licensed for night use)	1
Various other equipment that may be useful in a response	

<b>Wanganui Aero Work Ltd / Ravensdown</b>	
Based at:	Wanganui
Address:	PO Box 509, Wanganui
Contact:	Ph 06 3453994
<b>Helicopters/dispersant applicators</b>	
Fletcher 40 Aircraft	2
Fletcher Cresco	2

<b>Transpacific Industrial Solutions Ltd (formerly Onyx)</b>	
Based at:	New Plymouth
Address:	28 Hudson Road, Bell Block
	Ph 06 755 9150 (24 hrs)
<b>Suction Trucks</b>	
ERF Suction Tanker 11,000 litres	1
ISIS 4x4 Suction Tanker 6,000 litres	1
ISUZU Suction Tanker 5,000 litres	1
ISUZU Suction Tanker 7,000 litres	1

Nissan Suction Tanker 7,000 litres	1
ISUZU Semi Water Tanker 9,000 litres	1
ISUZU Semi Water Tanker 15,000 litres	1
ISUZU FTS 4x4 Suction Tanker 6,000 litres	1
Half B trailer unit 12,000 litres	1
Half B unit 14,000 litres	1

<b>NZ Safety</b>	
Based at:	New Plymouth
Address:	145A Courtney Street, New Plymouth
	Ph 06 7585829
<b>To purchase Personal Protective Equipment</b>	

<b>Tasman Workwear &amp; Safety Ltd</b>	
Based at:	New Plymouth
Address:	50 Molesworth Street, New Plymouth
	Ph 06 7598429
<b>To purchase Personal Protective Equipment</b>	

## Appendix V: Site Specific Contingency Plans

Plan holder	Consent number
Anzco Foods Waitara Limited (ELTHAM)	4061-2
Austral Pacific Energy [NZ] Limited (WELLINGTON)	5767-1, 6602-1, 7207-1
BLM Feeds Limited	7707-1
Bridge Petroleum Limited	6478-1, 6627-1, 6640-1, 6666-1
Cheal Petroleum Limited	9342-1, 9343-1, 9344-1, 9345-1, 9346-1, 9347-1, 9348-1, 9349-1, 9350-1, 9351-1, 9352-1, 9353-1, 9354-1, 9355-1
Cheswood Estate New Zealand Limited	6463-1
Chevron New Zealand	7152-1
Contact Energy Limited (WELLINGTON)	3681-2, 4210-2, 4211-2, 4222-2, 4459-1, 5848-1, 6509-1
Contract Resources (New Zealand) Limited	9295-1
Conveyorquip Engineering Services Limited	5964-1
DM & DL Bourke	5001-1, 5001-2
Downer EDI Works Limited	6964-1
Downer EDI Works Limited (NEW PLYMOUTH)	3917-2
Downer New Zealand Limited	4674-2
Egmont Tanneries Limited	1816-3
Energy Infrastructure Limited (c/- Shell NZ Projects)	6703-1, 6704-1
Fitzroy Yachts Limited	6195-1, 6196-1
Fonterra Co-operative Group Limited, Kapuni (KAPUNI)	0924-3, 4235-2, 4604-2, 6423-1
GEL Exploration Inc	5489-1
Halliburton New Zealand	2337-3
Hey Trust	7123-1
Hickman JD 1997 Family Trust	1281-3
Hurlstone Earthmoving Limited	4638-2, 4834-1
Inglewood Holdings Limited	1150-4
Jane T R Family Trust	6862-1
Kea Petroleum Limited	7580-1, 7588-1, 9240-1
L & M Energy	7739-1, 9360-1
Liquigas Limited (Head Office)	4524-2
Methanex Motunui Limited	0811-2, 0822-1, 0822-2, 3399-2, 3400-2
Methanex New Zealand Limited (NEW PLYMOUTH)	6449-1
Mobil Oil New Zealand Limited (WELLINGTON)	5204-1
Murray Phillips Bulldozing Limited	6783-1
Natural Gas Corporation of New Zealand Limited (HAWERA)	4087-2
Natural Gas Corporation of New Zealand Limited (NEW PLYMOUTH)	6265-1, 6267-1, 6268-1



New Plymouth District Council	1389-3, 2046-3, 2339-3, 4602-1
New Zealand Decorative Concrete Limited	7450-1
New Zealand Railways Corporation	1735-3, 3528-2
Opunake Artificial Reef Trust	6377-1, 6378-1
Origin Energy Resources (Kupe) Limited	6531-1, 6532-1, 6536-1, 6537-1, 6542-1, 6543-1, 6547-1, 6548-1, 6629-1, 6773-1, 6775-1, 6845-1, 7368-1
Origin Energy Resources NZ (Rimu) Limited	5322-1, 5323-1, 5324-1, 5503-1, 5625-1, 5730-1, 5731-1, 5734-1, 5744-1, 5748-1, 5921-1, 5928-1, 5951-1, 6123-1, 6124-1, 6125-1, 6130-1, 6141-1, 6300-1, 6306-1, 6312-1, 6318-1, 6324-1, 6330-1, 6336-1, 6342-1, 6346-2, 6347-1, 6749-1
Origin Energy Resources NZ (SPV2) Limited	5314-1
Origin Energy Resources NZ [Tawn] Limited	3457-2, 3679-2, 3680-2, 3683-2, 3684-2, 3685-2, 3686-2, 3687-2, 4093-2, 4162-2, 4201-2, 4470-2, 4474-2, 5046-1, 5273-1, 5317-1, 5409-1, 6203-1, 6206-1, 6562-1, 6849-1, 6855-1, 7846-1
Pacific Natural Gut String Co. Limited	0934-2
Prestidge Trust. Number One	7427-1
Ravensdown Fertiliser Co-operative Limited (NEW PLYMOUTH)	3140-2, 3865-3
Riverlands Eltham Limited (ELTHAM)	1968-3, 1968-4
Shaycar Trust	3913-2
Shell Exploration NZ Limited	5993-1, 5997-1, 6000-1, 6269-1
Shell Todd Oil Services Ltd (NEW PLYMOUTH HEAD OFFICE)	0170-2, 0245-3, 0633-2, 0633-3, 1105-2, 1105-3, 1316-3, 1944-3, 2365-2, 2365-3, 3265-2, 3265-3, 3266-2, 3266-3, 3267-2, 3267-3, 3268-2, 3268-3, 5166-1, 5542-1, 5871-1, 5881-1, 6080-1, 6199-1, 6200-1
Silver Fern Farms Limited (Waitotara)	2260-2, 5027-2
South Road Quarries Limited	4617-1
South Taranaki District Council	0145-2, 0236-6, 0427-3, 0526-3, 3387-3, 3459-3, 3928-2, 3952-2, 3953-3, 4636-2, 5831-1, 7520-1, Pump, WWTP2, WWTP3
Taranaki Abattoirs Co [1992] Limited	4055-3
Taranaki Bulk Storage Limited	5689-1, 6217-1
Taranaki Civil Construction Limited (Inglewood)	7888-1
Taranaki Trucking Company Limited	2184-3
Taranaki Ventures Limited	7761-1, 9229-1, 9330-1, 9377-1, 9423-1
Tasman Oil Tools Limited	4812-2
Todd Taranaki Limited	9429-1, 9430-1, 9431-1, 9432-1, 9433-1, 9434-1, 9435-1, 9436-1, 9437-1, 9438-1, 9439-1, 9440-1, 9441-1, 9442-1, 9443-1, 9444-1, 9445-1, 9446-1, 9447-1, 9448-1, 9449-1, 9453-1
Transit New Zealand (WANGANUI)	4226-1
Transpower New Zealand Limited (WELLINGTON)	1165-3
TrustPower Limited (HEAD OFFICE)	5084-1, 5088-1
Vector Gas Limited & Maui Development Limited	7928-1
Vector Gas Limited (NEW PLYMOUTH)	6613-1, 7955-1
Vector Limited (Hawera)	1123-2, 1225-2, 7755-1
Vickers Quarries Limited	3564-2, 3564-3, 4905-3, 4905-3, 5218-2, 5218-2

Viterra (NZ) Limited	4548-2
Wai-iti Motor Camp Limited	1971-3

## Appendix VI: Personnel Details and Mobilisation Instructions

### Council Spill Committee Personnel Contact Details

Council Spill Committee				
Position	Name	Tel	A/h	Mobile
Manager	Bruce Pope	027-442 7492	027-4427492	027-4427492
Operations	Tim Payne	06-7657127	027-2485044	027-2485044
Operations	Clinton Carre	06-765 7127	06-7588432	027-2112363
Planning	Gary Bedford	06-7657127	06-7513113	027-4839257
Logistics	Flo Blyde	06-7657127	06-7536322	027-2703643
Iwi Communications Officer	Sam Tamarapa	06-7657127	027-4749211	027-4749211

Operations Personnel				
Position	Name	Phone	Mobile	After hours
Operations Manager	Tim Payne	06-7657127	027-2485044	06-7656181
On Shore Coordinator	Glen Candy	06-7657127	027-4555746	027-4555746
Air Operations Coordinator	Alan Beck	06-7647073	027-4425939	06-7647063
Wildlife Coordinator	Dean Caskey	06-7657127	027-5001966	06-7658282
Port Coordinator	Rob Wilson	06-7510200	027-2484075	
Marine Biologist	Emily Roberts	06-7657127	027-8978951	
Soil Conservation officer	Darren Scown	06-7657127	0274656338	

Planning Personnel				
Position	Name	Phone	Mobile	After hours
Planning Manager	Gary Bedford	06-7657127	027-4839257	06-7589115
Legal Advisor	Gray Severinsen	06-7657127		06-7585031
Technical Services Advisor	As appointed from Council staff			
Wildlife Co-ordinator	Chris Spurdle	06-7657127	027-7736826	06-2784988
Port Advisor	John Ireland	06-7510200	027-4437505	

Logistics Personnel				
Position	Name	Phone	Mobile	After hours
Logistics Manager	Flo Blyde	06-7657127	027-2703643	06-7655323
Information/Media	Rusty Ritchie	06-7657127	027-2663315	06-7537143
	Peter Ledingham	06-7657127		06-7547005
Community Liaison	Rusty Ritchie	06-7657127	027-2663315	06-7537143
	Peter Ledingham	06-7657127		06-7547005
Finance Officer	as appointed from Council staff	06-7657127		
Administration Officer	as appointed from Council staff	06-7657127		
Historian	as appointed from Council staff	06-7657127		

## Other Contacts

Contractors with trained personnel		
Organisation	Contact	Telephone/Fax
Transpacific (formerly Onyx) Sucker trucks	Bev Brewer Rostered	06-7559150 0800 652424 (24hrs)
A J Cowley Ltd (Earth Moving/Cart)	Neil Cowley	06-7511410 027-4962881
G Harris Ltd Earthmoving/cartage/grader	Lloyd Marr	06-7581931 027-4962881
Hookers Transport Ltd Carriers	Les McGrath	06-7587799 (24hrs)
Telecomm communications	Various	06-7577608
Port Taranaki Experienced tradesmen	Rob Wilson	06-7510200
Helicopters/aircraft	Various	See Appendix IV

Operations – Air Operations Coordinator			
Name	Tel	A/h	Mobile
Air Operations Co-ord - Alan Beck	06-7647073	06-7647063	027-4425939

Mobilisation of MNZ Equipment			
Name	Tel	A/h	Mobile
Rob Wilson	06-7510200		027-2484075
Bill Edie	06-7510200	06-7575779	027-4427483
Glen Candy	06-7657127	06-7658595	027-4555746

Wildlife Responders				
Name	Organisation	Tel	A/h	Mobile
Bryan Williams	Department of Conservation	06 7590350	06-7589640	027 4458268
Anne Scott	Ngamotu Marine Reserve Soc.	06-7590350	06-7532172	027 2065842
Callum Lilley	Department of Conservation		06-7582813	
Carolyn Brough	Forest and Bird	06 7522706		027 2833344

Dawn Mills	New Plymouth District Veterinary Group	06-7584066	06-7583252	027-783838
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Emergency Services		
Organisation	Contact	Telephone/Fax
Fire Service New Plymouth (hazardous substances liaison committee contact)	Pat Fitzell Peter Gallagher Kevin Hill	06-7573860
Police New Plymouth	Duty Officer	06-7595500

Environmental organisations		
Organisation	Contact	Telephone/Fax
Department of Conservation, New Plymouth	Bryan Williams	06 7590350
AgriQuality New Zealand	Murray Tower	03-3581830
Massey University (MNZ Wildlife Response Team)	Maritime New Zealand Duty Phone	09-834 3908 or 027 246 2267
Cawthron Institute	Various	03-5482319
NIWA	Various	03-5481715 03-5481716 (fax)

Other Councils		
Organisation	Contact	Telephone/Fax
New Plymouth District Council		06-7596060
Stratford District Council		06-7656099
South Taranaki District Council		06-2780555
Horizons Regional Council	Ian Lowe - ROSC	06-9522800 021-2277102
Waikato Regional Council	Adam Munroe - ROSC	07-8590984
Wellington Regional Council	Mike Pryce – ROSC and Harbourmaster	04-4726411 04-4711373 (fax) 04-4770362 027-4452978

<b>Medical/Health</b>		
<b>Organisation</b>	<b>Contact</b>	<b>Telephone/Fax</b>
Red Cross	Karen Lawson	06-7699551 – Home 06 7594697 – Work/Fax 0274 745318 – Mobile

If first aid responders are required during a response, the central contact is the Red Cross. The Red Cross have a team of five high level trained first aid responders and two pre-hospital emergency care kits.

In the case of a medical emergency call '111'.

<b>Petroleum Industry</b>		
<b>Organisation</b>	<b>Contact</b>	<b>Telephone/Fax</b>
Shell Todd Oil Services Ltd	Emergency Response Coordinator	027 422723
Origin Energy Ltd	Amanda Lambert	06-7699861 or 021-1574374
OMV	Emergency Co-ordinator	027-4368000
Todd Taranaki Limited	Bill Armstrong	027-4506183
Greymouth Petroleum Ltd	HSSE Manager –Shane Butler	021-321692
PEPANZ	John Pfahlert	021-1509763

<b>Maritime New Zealand</b>		
<b>Organisation</b>	<b>Contact</b>	<b>Telephone/Fax</b>
Rescue Co-ordination Centre of New Zealand	Rostered	0508-472269 (24 hrs) or 04-577 8939 04-577 8041 (fax)
OSDO	Rostered	04-473 6369
NOSC (Auckland)	Various	09-834 3908 ph 09-834 3907 fax

<b>Possible affected parties</b>		
<b>Organisation</b>	<b>Contact</b>	<b>Telephone/Fax</b>
Port Taranaki Ltd		06-7510200
Coast Guard		
Iwi/Hapu Groups	See appendix II	
Department of Conservation New Plymouth		06-7590350
Department of Conservation Wanganui		06-3492100
Commercial fishermen	Port Taranaki Watch House	(Will relay messages via radio channels)

Recreational boat users	New Plymouth Sport Fishing & Underwater Club New Plymouth Yacht Club Ltd	06-7583901 06-7510582
District Councils	In a table above	In a table above
Coast Guard	Nigel Hayton	06-758336 (Coast guard office – 06753359)



## Appendix VII: List of contractors

Oxidation pond pumping services	Contact details
Transpacific	PO Box 7076 New Plymouth
Kalin Paul Contracting Limited	159 Kearin Road R D 11 Hawera
Hinton D F & KJ	5 Kelly Street R D 24 Stratford
Noetzi BAE & LA	1 Burgeon Road R D 11 Hawera
Moretti KG	16 Richmond Street Inglewood
Gernhoefer Lloyd Contractor Ltd	PO Box 31 Eltham
Fleming D R & C G	21 King Street Opunake

Septic Tank pumping services	Contact details
Mahony Hire Ltd	Fitzgerald Lane Hawera
Transpacific	PO Box 7076 New Plymouth
Hawera Septic Tank Services	93-97 Camberwell Road Hawera

Drainage & Dam Construction Contractors	Contact details
Burgess & Crowley Partnership OW & TH	PO Box 150 Inglewood 06-7567031
Fulton Hogan Limited	PO Box 65 Wanganui 06-3444600
Works Infrastructure Ltd	PO Box 272 New Plymouth 06-7573900
Graham Harris Ltd	380 Junction Road RD1 New Plymouth 06-7581931
Inframax Construction Ltd	PO Box 242 Te Kuiti 07-8788725
Bailey Contractors	29 Saxton Road New Plymouth 06-7535281
Darcy Keene Earthmovers	18 De Havilland Drive New Plymouth 06-7546157
AA Contracting	68 Henwood Road RD2 New Plymouth 06-7552110

M J Purvis Earthmoving	PO Box 87 Stratford 025 425 165
Mark Vickers Contracting	5 Tawake Place Waitara 06-7546648
Brett Vickers Contracting	20 Tuiti St Waitara 025 764 544
G M Symons	57 Surray Hill RD4 New Plymouth 06-7527270
Jock Johnston	Mountain Road Inglewood 06-7567266
Inglewood Metal Company Ltd	PO Box 44 Inglewood 06-7567916
Mini Earthmovers	245 Henwood Road New Plymouth 06-7553398
Alex Field Limited	45 Cutfield St Inglewood 06-7657982
K J Benton	90 Broadway Waitara 06-7548570
Earthworks Earthmovers	3 Ranfurly Street New Plymouth 06-7534044
Beta Roding Services	75 Gladstone Street Hawera 06-2728799
Holdom Plant Hire Ltd	5234 Surf Highway Rahotu 06-7638519
MacDonald Excavating	RD28 Manaia 025-462 150
Mike Webber Contracting	5 Barry Street New Plymouth 025-437096
Pierce Colin R	41 Mountain Road RD3 New Plymouth 06-7520120
Whitaker Civil Engineering Ltd	Barrett Road RD4 New Plymouth 06-7572160
Crawford N D	PO Box 72 Urenui 06-7523300
Dick Sybrandy Farm Services	Auroa Road RD28 Auroa 06-2745715

**Appendix VIII: Common contaminants transported in Taranaki and associated considerations when responding to an unauthorised discharge**

	Environmental effects	Appropriate environmental response	Past incidents	Health considerations	Special considerations	Safety considerations
Fertilizer	In high concentrations fertilizer can result in eutrophication, acidification and heavy metal accumulation in soil and aquatic environments.	Granular fertilizer should be removed using appropriate machinery. If liquid, action should be taken to limit any runoff to aquatic environments.	Spill of urea from vehicle accident on State Highway 3 - Tongaporutu. Incident No.21829	Can be harmful if the contaminant comes in contact with skin.	The appropriate response will vary dependent on the whether spill is of a liquid or granular nature (See appropriate environmental response).	Fertilizer can be flammable.
Molasses	Possible fish kill	Any potential pathways for the molasses to flow into a water body should be bunded immediately.	Spill on Mt Messenger – State Highway 3. Incident No.22077	None	The location of rivers and streams in close proximity to the spill, particularly those water bodies of significance to regionally significant fish species.	
Hydrocarbon exploration waste	In addition to containing contaminants such as heavy metals and hazardous substances, discharges of sediment rich drilling mud to water will result in sedimentation.	If waste is spilt to land, material should be removed using appropriate machinery. If the contaminant enters water equipment should be used to restrict the spill flowing down stream.	Discharge from wellsite – Ngaere. Incident No.22664	Can be harmful if the contaminant comes in contact with skin.	It is important to establish the type of waste that has been spilled, i.e identify the presence of produced water or whether mud is freshwater or synthetic based	
Petroleum	Petroleum products can directly poison birds, fish and other organisms and prevent oxygen and sunlight from entering aquatic environments. Heavy metals and other contaminants can accumulate within aquatic plants and animals slowing/stopping their growth or killing them over time.	Petrol, kerosene and diesel will spread quickly over the surface of the water and usually evaporate quickly. Heavier fuels will not evaporate easily. These types of oils will have to be treated with dispersants or collected in booms and skimmed into containers.	Discharge from vehicle at Service Station – Stratford. Incident No.20187	Some of the lighter grades of fuels (such as diesel) have vapours that are toxic and are also potentially flammable.	When petroleum is spilled it is subject to weathering and the prevailing environmental conditions. Petroleum could evaporate or disperse naturally within hours or persist in the environment for much longer.	
Milk	Possible fish kill	Any potential pathways for the milk to flow into a water body should be bunded immediately.	Spill from milk train – Hawera. Incident No.23417	None	The location of rivers and streams in close proximity to the spill, particularly those water bodies of significance to regionally significant fish species.	
Formaldehyde	Formaldehyde in high concentrations can poison aquatic organisms	Any potential pathways for the formaldehyde to flow into a water body should be bunded immediately.	Spill from vehicle along road from Bell Block to Mt Messenger. Incident No.23676	Can be harmful if the contaminant comes in contact with skin.	The location of rivers and streams in close proximity to the spill, particularly those water bodies of significance to regionally significant fish species	