

ANNEX 1

Equipment Lists and Resources

Emergency Operations Centre

The Emergency Operations Centre (EOC) location is dependent on the location and magnitude of the spill.

The EOC could be established:

- close by the spill site;
- within Taranaki Regional Council's office at 47 Cloten Road, Stratford; or
- at the Taranaki Emergency Management Office (TEMO), Robe Street, New Plymouth. TEMO can be activated through Taranaki Regional Council Emergency Management Officers: 06-765 7127 or 0800 736 222

The Taranaki Regional Council's office and the Emergency Management Office have the following equipment for spill response:

- Telephone systems, including fax and cordless phones

TRC Office	Ph	06-765 7127
	Fax	
TEMO	Ph	
	Fax	
- Radio telephone systems
- Computers and computer systems.

For smaller spills the EOC may be set up at an alternative location at the discretion of the ROSC. In significant spills the most probable site would be the **Taranaki Emergency Management Office**. A floor plan for the EOC set up in the building is on the next page.

In selecting a suitable alternative site, availability of the following should be considered:

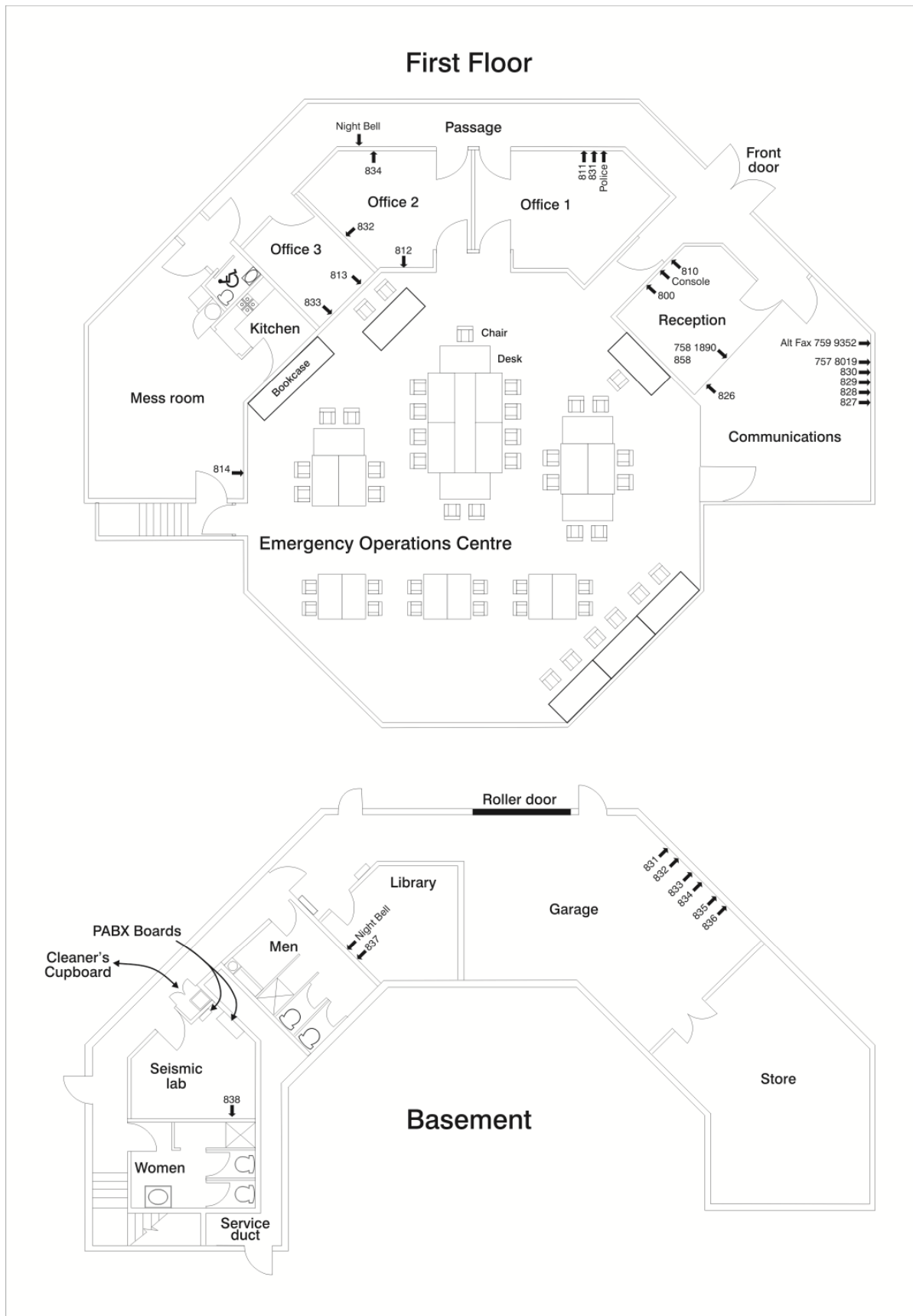
- radio communications and operators to cover the communications plan;
- telephone and fax communications to allow communication with the Council's Chief Executive; supporting organisations; adjacent regional authorities (if appropriate); regional suppliers and contractors; advisory groups; affected parties; media; etc;
- suitable facilities and resources (e.g. display boards) to display incident information; and
- access to relief EOC and field staff.

The Council has a digital wireless key telephone system held in the Inspectorate Offices that can be set up almost anywhere.

It should be noted that in some areas in the region cell-phone coverage is not available.

The EOC need not be adjacent to the spill site, although this may give the developers of the Action Plan a first hand appreciation of the situation and enhance communication with operators at the spill site.

Floor plan of the Emergency Management Office incorporating the Incident Command Centre set-up in a response



Equipment Lists and Mobilisation Instructions

The ROSC may mobilise material and personnel in support of an oil spill response operation. This Annex deals with the equipment located in the district and where it is stored. Personnel are dealt with in Annex 2.

In order for Taranaki to respond to a spill, Maritime New Zealand (MNZ) has located specific equipment in the region for this purpose. This equipment is effectively on loan to the region and is subject to conditions for storage, maintenance and use. A copy of the loan agreement can be found at the end of this Annex.

The equipment is stored at a Port Taranaki Limited storage building (in the old Power Station site), within the Port boundaries, at the end of Breakwater 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 MNZ and be subject to commercial hire rates.

The list below sets out equipment owned by MNZ, 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 (06-755 9990 or After hours 027 442 4900).

Additionally, the ROSC may request that some/all of the national resources of MNZ be mobilised to support a Tier II operation. These requests should be directed to the Oil Spill Duty Officer, MNZ. Details of the MNZ equipment are listed in the sheet at the end of this annex. In addition there is a significant amount of equipment available at various private organisations and companies in the region available in the event of a spill.

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

Port Taranaki Limited	
Based at:	Port Taranaki
Address:	Breakwater Road, New Plymouth
Contact Person:	
	Ph
Dispersant and spray equipment (MNZ)	
Gamlen OSD	6,200 litres
Corexit 9500	6,400 litres
Corexit 9527	6,400 litres
Dispersant spray set	1
Delta Head (vacuum head attachment)	1
AFEDO Dispersant application kits	2
AFEDO support crate	1
Helo Nozzles TK 10	50
Helo tips only TK 10	50
Back pack spray – Swissmex 15 litres	1
Dispersant and spray equipment (Port)	
Gamlen OSR LT – 200 litres	8
Set vessel dispersant spray booms/associated pump	2
Boats/vessels (Port)	
Mack 420 - workboat	
Mikotahi - Launch	
Rawinia - Launch	
Westgate - Launch	
Rupe -Tug	
Kupe – Tug	
Tuakana - Tug	
Kaiterimoana - Survey	
Note: Rupe and Tuakana have firefighting capabilities	
Booms (MNZ)	
Ro-Boom (and ancillary equipment, power packs etc)	3 (200m lengths, 600m total)
Fence boom 750mm	5 (100m length, 500m total)
Land/Sea boom	6 (80m length, 480m total)
Land/Sea boom	1 (75m length)
Rapid Deployment boom	2 (99m length, 198m total)
Absorbent material (MNZ)	
Oil snares	60
Sorbant Pads	1600
Sorbant pillows	60
Sorbant Boom	48

Port Taranaki Limited	
Skimmers and pumps (MNZ)	
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 , slick bar + cassette attachment & hoses	1
Spate Pump GS 30 tonne/hr (ancillary equipment)	2
Temporary Storage (MNZ)	
Frame tank 25 tonne	2
Frame tank 15 tonne	1
Misc (MNZ)	
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
Foam (Port)	
Alcohol compatible AFFF	

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)	
Backpack sprayer	1
Warratahs	10
Broom	1
Brushcutter	1
Throw line	1
Coil rope	2
Sledge hammer	1
Square mouth shovel	4
Bins of PPE gear (see below*)	2
Trailer lock	1
20ltr dispersant	1
5ltr petrol container	1
Chemical spill absorbents	1box
5000ltr collapsible dam	1
Decanting hose	1
Hose for pump	1 (10mtr)
Hose for pump	1 (5mtr)
Weir skimmer	1
Pump	1

Taranaki Regional Council	
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
Bolt cutters	1
Hex keys	1
Hacksaw	1
Pinchbar	1
Screwdriver set	1
Gear in PPE bins*	
Overalls	2 pair
Coveralls	2 pair
Safety glasses	2 pair
Gumboots	2 pair
Rubber gauntlets	2 pair
Headlamps	2
Safety helmets	2
Barrier (warning) tape	1 roll
Road cones	2
Signs	4
Dispersant sprayers	
Spray unit 2,000 kpa (suitable for boat)	1
Knapsack sprayers	3
Absorbent material	
Sorbant pads	1 bale
Boats	
Delia S twin 40 HP motor	1
3.5 Marine Manual outboard motor	1
Life jackets	4
Pumps	
Motorised Robin self priming 3" pump and hoses	1
Communications	
Handheld Radio Telephones – at Taranaki Regional Council	
Mobile phones (held by many staff)	

Taranaki Regional Council	
Vehicles	
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	
Personal Protective Equipment	
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)	
EOC equipment (in Inspectorate section of TRC)	
Portable phone/PABX in case (has extra phones)	1
EOC 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)
Spill Kits (In TRC vehicles)	
Plastic overall	1
Dike leak	1
Absorbent sausage	1
Sorbent pads	4
Rubber gauntlets (gloves)	1 pr
Grate cover	1
Black plastic bags	10
Polypropylene 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:	Duty CDEM Officer

Taranaki Emergency Management Office	
Communications	
YAESU Handheld Radio Telephones (CDEM & TRC Channels – 1w)	8
ICOM Handheld Radio Telephones (CDEM & TRC channels – 1w)	12 (9 boxed)
Mobile Radio Telephones/Base Stations (CDEM, TRC and selected channels - 5w)	0 – but check on the day as there may be some waiting to taken to site to replace old ones
Mains powered marine radio	1
ESB164 (ES Liaison) Repeater	1
Portable fax machine	1 plain paper, 1 thermal paper
Iridium Satellite phone	1
BGAN Explorer 700 satellite internet terminal	1
EOC equipment	
Independent LAN	10 PC with connectivity 1 laptop 2 Colour printer (incl photocopier). 54 spare data/phone ports
Data projector (fixed into EOC)	2
Marine VHF radio	1
TRC/CDEM radio	8 but assigned to monitor different radios networks
Aeronautical Radio (requires licenced operator)	1
GIS	1 laptop + NPDC's GPS
Mobile whiteboard display system	1
Computer/s (with access to TRC network)	5
Skype TV/Camera	1
Avaya digital phones	30
Misc	
Portable whiteboards	1
Tarpaulin	47 (8 at TEMO, 29 at TRC, 10 at NZFS)
Sandbags	5,750 (1,500 at TEMO, 4,250 at TRC)
Shovels	7
Portable petrol generators (4.4 kVa)	2
Portable petrol inverters (2 kVa, can connect to make 3.8 kVa)	2
Portable light sets (2 lights each)	4
Battery powered portable loud hailer/bull horn	1
Portable projector	1

New Zealand Oil Services Ltd			
Based at:	PFH Yard		
Location:	Waiwhakaiho, New Plymouth		
Contact Person:			
Spill trailer Reg:R8029			
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

New Zealand Oil Services Ltd			
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			2
Torches (1 x 2AA batteries, 2 x 2C batteries)			3
Spill Equipment available for Pipeline & Truck bunkers: NZOSL workshop, Centennial Dr, New Plymouth			
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

Shell Todd Oil Service Ltd	
Based at:	Paritutu Stores
Address:	Centennial Drive, New Plymouth
Contact Person:	STOS Response Coordinator
Oil Spill Containment & Recovery (OSCAR) Unit	
Gumboots	20
Waders	4
Safety goggles	18pr
Cotton overalls	12pr
Orange high visibility vest	20
Pack of 100 disposable nitrile gloves	2
PVC gloves	40 (4 packs of 10)
Tivex disposable suits	80 (10M, 42L, 28XL)
Intrinsically safe headlamps and batteries	5
Headlamps	8

Shell Todd Oil Service Ltd	
Dolphin torches	3
6V batteries for torches	6
Toolbox containing various tools	
Paper towels	15 packs
Plastic cups	100
500ml bottle sunscreen	1
First aid kit	1
Global peat ground absorbent (28ltr)	2
Absorbent roll (248L capacity)	6
Disposal bag HD polyethylene 100per roll	3
Oil spill bag 1000L (reusable)	1
20 ltr water container	1
Danger tape 'caution spill area'	1
Danger tape 'caution'	2
Pigtail standards	20
Dispersant sprayer	1
Global green quick break detergent 20L (in DG Shed)	1
Bag of rags	1
Oil and fuel poly mops/snares	20
Handle for poly mops/snares	5
Green safety shovel non spark	5
Spades	2
Shovels	9
Rakes	10
Pitchforks	3
Sledgehammer	1
120L wheelie bin	1
Travabon barrier cream	1
Solopol handcleaner	1
Whiteboard and pens	
Petrol generator	1
Empty petrol container	1

Shell Todd Oil Services Ltd		
Based at: New Plymouth		
Address: Devon Street East, New Plymouth		
Contact Person: Response Co-ordinator		
Ph		
Pager		
Dispersant and spray equipment		
Assorted dispersant spray booms		
		Paritutu Store complex
Skimmer		
Fibreglass Skimpak skimmer 2000 series, various hoses and Robin 1.5' pump	1	Kapuni Production station
Pedco aluminium skimmer, various hoses and 2" pump	1	Paritutu Store complex
Booms		
400m containment boom (various)	1	Paritutu Store

Shell Todd Oil Services Ltd		
		complex
River booms with connectors (15m)	6	Paritutu store complex
Storage portable		
Drums and various bulk containers		Stores and sites
Ropes		
110m length on reel	1	
55m length on reel	1	

Shell Todd Oil Services	
STOS has four spill trailers designed for response to minor hydrocarbon spills on or offsite located at Kapuni, Maui, and Pohokura production stations and the EIL tank farm. The trailers should be fully stocked and ready to deploy	
Mini air boom w/reel (15m x 250mm)	1
Envirosorb polybooms (2.4m x 100mm)	10
Marine snap hook booms (3.0m x 125mm)	12
Envirosorb pillows (58cm x 37cm)	10
Envirosorb pads (45cm x 45cm)	5
Global peat (28L)	4
Floorsorb (30L)	2
Envirosorb heavy duty (40m x 0.9m)	3
Envirosorb roll standard (40m x 0.9m)	2
PVC gloves – pair (450mm)	2
Disposal bag for contaminated waste (1.4m x 0.5m)	20
Cable ties	20
Caution tape (50m x 75mm)	1
Drum seal (500gm)	1
Broom w/ext handle	1
Non sparking shovel	1
Safety goggles	2
Squeegee	1
Poly rope (6mm x 20m)	2
Poly over pack Salvage drum (361L)	1
Urethane drain protector (910mm x 910mm)	2
Urethane drain protector bag	2
Waratahs standard (Y 1.65m)	2
Waratah standard driver	1
Waratah standard protective cap	2
Disposable overalls white (2XL, 2L)	4

Methanex NZ Ltd Mutual Aid Equipment	
Based at:	Motunui Plant
Address:	Main Road North, Motunui
Contact Person:	
	Ph
	Ph
Foam	
AFFF Foam	10,000 litres

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

Origin Energy	
Based at:	New Plymouth
Address:	32 Molesworth Street, New Plymouth
Contact Person:	
	Ph
	Ph
3 x Relocatable pallet spill kits (2000lt wheeled, forkliftable bin)	Two at Kupe Production station One at Rimu Production Station Able to be moved around as needed for project sites
Mineral sponge (20kg bags)	4
FS 3kg Floorsorbs	8
PBFO 3.6 polly booms (100mm x 3.6m)	20

Origin Energy	
MBP Oil Sorbent pads (45cm x 45cm)	400
MRR 409 Sorbent rolls (40m x 90cm)	2
Disposable plastic bags	20
PVC Parkers	2
PVC bib overalls	2
PVC gloves	2
Safety gumboots	2
Multiple 240L spill kits placed around sites	
Sorbent pads	80
Sorbent sock (3.6m)	3
Sorbent sock (1.2m)	3
Sorbent pillow	3
Protective coveralls	1
Protective gloves	1pr
Safety goggles	1
Waste disposal bags	4
Instructions	1

OMV New Zealand Ltd			
Contact Person:	Emergency Co-ordinator		
	Ph		
FPSO Raroa - All located in the FPSO storeroom			
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
Oil absorbent granules	50 bags	Yellow Plastic wheelie bin 1110 litres	1
There are also 6 oil spill response kits located on the FPSO as follows:			
Spill Kit #1 Includes the following contents - Located Main deck, St'bd, Under M2			
Plastic wheeled containers	1	Zeolite mineral sponge (20kg bags)	1
Light Weight Plastic sacks (packets of 16)	4	Absorbent pads (packets of 40)	3
Absorbent pillows (packets of 10)	2	Absorbent rolls (45cm x 3m)	1
Oil Sorbent pillows or sausages (Packet of 8)	1	Squeegees	1
Rubber gloves	2pr	Buckets	1
Shovel	1	Tyvek Coverall with hood	2
Spill Kit #2 Includes the following contents – Located Level 1, St'bd, by sea water pumps			
Plastic wheeled containers	1	Zeolite mineral sponge (20kg bags)	1
Light weight plastic sacks (packet of 16)	4	Absorbent pads (packet of 40)	3
Absorbent pillows (packet of 10)	2	Absorbent roll (45cm x 3m)	1
Oil sorbent pillows or sausages (packet of 8)	1	Squeegees	1
Rubber Gloves	2	Buckets	1
Shovel	1	Tyvek coverall with hood	2
Spill kit #3 Includes the following contents – Located Main deck, St'bd, Offtake Deluge			
Plastic wheeled containers	1	Zeolite mineral sponge (20kg bags)	1

OMV New Zealand Ltd			
Light weight plastic sacks (packets of 16)	4	Absorbent pads (packets of 40)	3
Absorbent pillows (packets of 10)	2	Absorbent rolls (45cm x 3m)	1
Oil sorbent pillows or sausages (packet of 8)	1	Squeegees	1
Rubber gloves	2	Buckets	1
Shovel	1	Tyvek coverall with hood	2
Spill kit #4 Includes the following contents – Located 1st Level, Centre M1 Process Skid			
Plastic wheeled containers	1	Zeolite mineral sponge (20kg bags)	1
Light weight plastic sacks (packets of 16)	4	Absorbent pads (packets of 40)	3
Absorbent pillows (packets of 10)	2	Absorbent rolls (45cm x 3m)	1
Oil sorbent pillows or sausages (packet of 8)	1	Squeegees	1
Rubber gloves	2	Buckets	1
Shovel	1	Tyvek coverall with hood	2
Spill kit #5 Includes the following contents – Located Main Deck, Port, near 5C Cargo tank			
Plastic wheeled containers	1	Zeolite mineral sponge (20kg bags)	1
Light weight plastic sacks (packets of 16)	4	Absorbent pads (packets of 40)	3
Absorbent pillows (packets of 10)	2	Absorbent rolls (45cm x 3m)	1
Oil sorbent pillows or sausages (packet of 8)	1	Squeegees	1
Rubber gloves	2	Buckets	1
Shovel	1	Tyvek coverall with hood	2
Spill Kit #6 Includes the following contents – Engine room, by chemical locker			
Plastic wheeled containers	1	Zeolite mineral sponge (20kg bags)	1
Light weight plastic sacks (packets of 16)	4	Absorbent pads (packets of 40)	3
Absorbent pillows (packets of 10)	2	Absorbent rolls (45cm x 3m)	1
Oil sorbent pillows or sausages (packet of 8)	1	Squeegees	1
Rubber gloves	2	Buckets	1
Shovel	1	Tyvek coverall with hood	2
There are also 10 portable oil spill kits on the FPSO which contain the following		Located - STARBOARD: Offtake area, Metering Skid, Crane, Lab, Under chemical injection Skid. Port: Separator skid, Under boiler, Paint locker, Under E-house, Gas bottle store	
Disposable waste bags	10	Sorbent pads – oil only	50
Sorbent sock 1.2m	4	Sorbent boom 3m	3
Mineral sponge 20kg	2	Sorbent pillow	5
Glove – nitrile dipped	2pr	Disposable overalls	1
Safety goggles	1	Brush and pan	1
WHP TiroTiroMoana			
Spill Kit #1 - Large Fibreglass Orange bin by Mech W/shop			
3m Bunding tubes	5	Small bunding tubes	4
Response kit - yellow bag	1	Portable containment bunds	2
Absorbent pads	50	Safety goggles	1
Gloves	2pr	Overalls	1pr
Rubbish bags	10	The green stuff, brush and pan	1
Spill kit #2 - Small Fibreglass Orange Bin at Alternate Muster Point			
3m Bunding tubes	2	Small bunding tubes	4
Response kit - yellow bag	1	Portable containment bunds	2
Absorbent pads	50	Safety goggles	1
Gloves	2pr	Overalls	1pr
Rubbish bags	10	The green stuff, brush and pan	1
Spill kit #3 - 240L Yellow Wheelie-Bin on Walkway			

OMV New Zealand Ltd			
3m bunding tubes	1	Small bunding tubes	4
Absorbent pillows	4	Absorbent pads	50
Safety goggles	1	Gloves	2
Overalls	1	Bag of rags	1
Rubbish Bags	5		
Spill Kit #4a - 120L Yellow Wheelie-Bin at N/E Main Deck			
3m bunding tubes	1	Bag of rags	1
Absorbent pads	25	Plastic rubbish bags	1
Rubber gloves	1		
Spill Kit #4b – 120L Yellow wheelie bins at N/E Main Deck			
3m bunding tubes	1	Bag of rags	1
Absorbent pads	25	Plastic rubbish bags	1
Rubber gloves	1		
Spill kit #5 - 240L Yellow Wheelie-Bin in Well bay – Chemical & Oil			
3m Bunding Tubes	1	Small bunding tubes	5
Response Kit	1	Portable containment bund kit	1
Absorbent pillows	2	Absorbent pads	50
Safety goggles	1	Overalls	1
The green stuff, Brush & Pan	1	Rubbish bags	5
Bag of rags	1		
Spill kit #6 240L Yellow Wheelie-Bin top of Cellar stairs			
3m bunding tubes	1	Small bunding tubes	5
Portable containment bund kit	1	Absorbent pads	2
Safety goggles	1	Plastic rubbish bag	5
Gloves	2	Overalls	1
Absorbent pillow	2	The green stuff, Brush & pan	1
Bag of rags	1		
Spill kit #7 240L Yellow Wheelie-Bin Top of Cellar stairs			
Absorbent Pads	200	Plastic rubbish bag	1
Rubber Gloves	1		
Spill kit #8 120L Yellow Wheelie-Bin Life boat station			
Absorbent Pads	100	Plastic rubbish bag	1
Rubber Gloves	1	The green stuff, brush & pan	1
Spill kit #9 240L Yellow wheelie-bin Below Crane in bunded area			
Absorbent pads	200	Rubber gloves	1
Plastic rubbish bag	1	The green stuff, brush & pan	1

Todd Energy	
Based at:	McKee/Mangahewa Production Station (MMPS)
Address:	1334 Otaraoa Road, Waitara
Contact Person:	
	McKee Control Room (Normal operations): Todd Emergency Pager: (ERT duty roster personnel) McKee Control Room (EMERGENCY LINE):

Todd Energy	
Spill Trailer (stored at MMPS) – Response equipment container located on trailer that can be connected to a 4WD vehicle for rapid transport contains the following	
PVC Inflatable ballast chain river booms (1 x 15m, 2 x 7.5m)	3
Absorbent squares	1 box
Pedco skimmer	1
Anchor ropes & chains (2 x 20m)	2
Scrapers	2
Boom reel	1
Shovels	3
Foot pumps	2
Waders	2pr
Overalls	2 packs
Gloves	2 packs
Sledge hammer	1
Piping/pipe floatation pads (4 x 1m)	4
2" suction hose	2
Temporary storage containers (1000L IBC)	2
Floodlights on stand	2
Sacks	25
Wheelie bin Spill kit (with contents)	1
Slasher	1
Diesel generator	1
Petrol 2" trash pump	1
Note: On drilling(or manned production) wellsites, Todd contracts Response trailers from Spill Control NZ	

AWE Limited	
Based at:	FPSO Umuroa
Contact Person:	
	Ph
Squeegee mops with sturdy wooden construction handles	10
Heavy duty woven polypropylene bags for collecting waste	200 x 25kg
Plastic shovels	10
Plastic bailers	10
Trolleys with box sides and lid and solid rubber wheels	2
Bags of cotton rags	10 x 20kg
Bags of proprietary oil absorbent material	50 x 25 kg
200L drums for storage of dirty oil	
Oil absorbent pads	200
Oil absorbent booms	10 x 3m lengths
Air driven Wilden pumps with suction, discharge and air hoses	2
11 Spill kits are located in various locations on the FPSO. Eight on the main deck, one on the turret manifold, and two in the MARPOL store	

MV Pacific Runner support vessel carries standard brooms/buckets/mops and absorbent materials. It is also equipped with **1000 litres of Corexit 9527** dispersant, dispersant manifold and spray booms and Lamor skimmer equipment

1000 litres of Corexit 9527 is also located at **Beck Helicopters** along with spray tank and boom with nozzles, portable pump for dispersant transfer and mobile helicopter refuelling tanks and pumps

Greymouth Petroleum	
Based at:	Various locations Taranaki
Contact Persons:	
	Kaimiro Production Station or Turangi Production Station
The following equipment is located at Kaimiro Production Station, Turangi A Well site and Kowhai Production Station	
Large scraper	1
Medium scraper	1
Garden rakes	2
Spades	2
Square mouth shovels	2
Size 9 mouth shovels	2
Tarpaulins (230cm x 300 cm)	2
20 litre buckets	3
Sandbags	11
Polythene sheet	1 roll
Sorbent cloth	1 roll
Sack of sorbent material	1
Sand	1m ³
200L spill kits (oil only) are located at Kaimiro Production Station (2x) , Turangi Production Station (2x) , Kowhai Production Station (2x) , Ngatoro-A (1x) , Ngatoro-B (1x) , RNP 4 (1x) , and Surrey (1x)	
Sorbent pads	100
Sorbent socks (3m)	5
Sorbent socks (1.2m)	5
Mineral Sponges (10Kg)	2
Sorbent pillows (Oil Only)	6
Protective gloves	2pr
Protective overalls	1 set
Safety goggles	1pr
Brush and pan set	1
Waste bags and ties	8
Instruction card	1
GPL Spill Response Trailer located at Bell Block – contact pipeline manager if this is required	
Sorbent pad (Oil Only) Heavy weight	300
Sorbent sock (Oil Only) (75mm x 1.2m)	20
Sorbent sock (Oil Only) (75mm x 3.0m)	8
Sorbent boom (Oil Only) (130mm x 3.0m)	12
Sorbent roll (Oil Only) (500mm x 40m)	1
Sorbent pad – aggressive heavy weight	200

Greymouth Petroleum	
Sorbent sock –aggressive (75mm x 1.2m)	20
Sorbent sock – aggressive (75mm x 3.0m)	8
Mineral sponge absorbent - 10Kg bag	8
Enviropeat absorbent – mini bale	10
Waste disposal bags	50
Drum plug putty – 1kg	2
Drain protector – polyurethane (600mm x 600mm)	2
Brush and pan set	1
Hazard tape – 100m roll	4
Disposable respirators c/w filter	10
Chemical resistant coveralls	4
Chemical resistant gloves	10pr
Safety toe gumboot	2pr
Heavy duty torch –c/w spare battery	1
Plastic shovel	1
Stiff bristle broom	1
Laminated response plan and instructions	1
Poly overpack salvage drum - 200L	1
Mobile spill kit – aggressive liquids – 100L	1
The following equipment is located at 15-17 De Havilland Drive West, Bell Block 4312	
Truck transport	
Vacuum (sucker) trucks and oil tanker trucks for oil recovery and transport	
Water blasters and steam cleaners	
Pumps and generators	
Bulkie bins (IBC's) and tanks	
Experienced labour	

New Zealand Fire Service	
Based at:	New Plymouth
Address:	Liardet Street, New Plymouth
Contact Person:	Central Communication Centre or Duty Senior Station Officer or Area Commander
	Communication Centre Ph New Plymouth Station Ph Area Commander
	Ph
Foam	
Foam	
Lighting units	
Flood lights	

Burgess Crowley Civil	
Based at:	Kaponga and Inglewood

Contact Person:	
	Ph
	Ph
Trucks, front end loaders and general earthmoving equipment	

New Plymouth Airport	
Based at:	New Plymouth
Address:	Airport Drive, New Plymouth
Contact:	
Various small aircraft	

Hawera Aeroclub	
Based at:	Hawera
Address:	State Highway 3, Hawera
Contact:	
Various small aircraft	

Beck Helicopters Ltd	
Based at:	Eltham
Address:	Mountain Road, Eltham
Contact:	Ph
Helicopters/dispersant applicators	
Bell 204 Iroquois	2
Bell 206B Jet Ranger fitted with simplex (4 passenger + pilot)	1

HNZ Ltd	
Based at:	New Plymouth
Address:	
Contact:	Ph Senior Pilot
Helicopters	
AW139 (12 passengers each)	2

Precision Helicopters Ltd	
Based at:	New Plymouth (Urenui)
Address:	450 Kaipikari Road Upper, Urenui
Contact:	Ph
Helicopters/dispersant applicators (New Plymouth based)	
AS 350B	1

MD 500E	1
R22 Beta II	1
Jet Ranger 206	1
Spray equipment for AS 350B and MD 500E/D	
MD 500D – also available but based at PioPio	

New Plymouth Underwater Ltd	
Based at:	New Plymouth
Address:	1547 Surf Highway 45, RD 4, New Plymouth
Contact:	
	Ph
	Ph
Boats	
Christa Maria	
15m Blade Runner – twin engine (licensed for night use)	
Reef Spirit	
22m GBB twin engine work boat suitable for 24hr duration	
Sea Worm III	
7.6m flat bottom boat suitable for harbour river lake survey to carry 2.5T	
Truck	
Scania crane truck 12T lifting cap	
Sea Pelican 1200hp Utility tug	
Various other equipment that may be useful in a response	

Ravensdown/Aero Work Ltd	
Based at:	Wanganui
Address:	PO Box 509, Wanganui
Contact:	Ph
Helicopters/dispersant applicators	
Fletcher Cresco (1 available within an hour, 1 within 24 hours)	2
Pumps, dispersant etc supplied by MNZ	

Intergroup (Formerly Transpacific Industrial Solutions Ltd)	
Based at:	New Plymouth
Address:	28 Hudson Road, Bell Block
	Ph
Suction Trucks	
Bulk tanker unit 24000Litres	1
FUSO suction tanker 6000litres	1
Izuzu suction tanker 5000Litres	1
Izuzu suction tanker 7000Litres	1
Nissan suction tanker 7000litres	1
Bulk tanker unit 14000litres	1
Izuzu semi water tanker 15000litres	1
Izuzu FTS 4x4 Suction tanker 6000litres	1
Half B trailer unit 12000litres	2

Half B unit 14,000litres	2
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NZ Safety	
Based at:	New Plymouth
Address:	145A Courtney Street, New Plymouth
	Ph
To purchase Personal Protective Equipment	

Cleanline Tasman	
Based at:	New Plymouth
Address:	115 Molesworth Street, New Plymouth
	Ph
To purchase Personal Protective Equipment	

Inventory of NZ Marine Oil Pollution Equipment and Locations

Data that is routinely updated by Maritime New Zealand (MNZ) can be found in the National Marine Oil Spill Contingency Plan at the end of Annex 1, or on WEBEOC.

Storage, maintenance and hire of Maritime New Zealand equipment

Excerpts from the contract between MNZ and the Taranaki Regional Council are shown below:

Responsibilities of Maritime New Zealand

Maritime New Zealand will:

- Refund the Council the actual and reasonable costs of storing and maintaining the equipment positioned in the Taranaki region
- Bear the cost of delivery and return of the equipment
- Loan the equipment for an indefinite period from 14 October 1993.

Responsibilities of the Taranaki Regional Council

The Council will:

- Take delivery of the designated equipment at a mutually agreed place. At the end of the period of loan will return it to MNZ at the same place.
- Prepare a Health and Safety Plan for the use of this equipment. In particular this plan will identify:
 - Any training or supervision required before personnel may use the equipment;
 - Any hazards the equipment may present, and steps to eliminate, isolate and minimise those hazards; and
 - Any personal protective equipment (e.g. hearing and eye protection) that must be worn when the equipment is in operation.
- Make the equipment immediately available for use or re-deployment by MNZ in an emergency or otherwise anywhere in New Zealand or overseas, at the request of MNZ.

- Assist, if requested by MNZ, in the emergency re-deployment of the equipment anywhere in New Zealand by advising and/or procuring transport arrangements at the MNZ's expense.
- Except when deployed for actual or simulated oil spills, store the equipment at all times in a secure, clean and dry storage area enclosed from the weather and free of vermin.
- Recover from the polluter the cost for the equipment's use in a marine clean-up response. The rates to be charged of the polluter are those established by the MNZ for the hire of the equipment.
- Obtain the prior permission of MNZ for the use of the equipment for purposes other than marine clean-up response or for the training purposes of the Taranaki region. If approval of MNZ is given then the Council shall ensure that a Hire Agreement supplied by MNZ is signed and complied with by the equipment's user, and that monies accrued from such hire is credited to MNZ. Additionally, the Taranaki Regional Council is to ensure that the equipment is returned in the same condition as it was hired out, that remedial repairs are made at the expense of the user, and shall inform the owner of any damage or deterioration incurred.
- Keep MNZ informed of the equipment's serviceability, location and how it may be immediately obtained.
- Keep the equipment, during the period of the loan, in good and substantial repair and condition (fair wear and tear excepted) in accordance with the maintenance schedules provided by MNZ. In doing this, the Council is to ensure that repairs retain the structural identity and performance of the equipment; are undertaken by a contractor approved by MNZ; and that MNZ be consulted before repairs exceeding \$500.00 are undertaken.
- Indemnify and keep indemnified MNZ from and against all actions, claims, proceedings, demands, losses, expenses and costs of every kind whatsoever which may be brought against or upon MNZ or which it may incur, sustain or be put to by reason of or arising out of or in any way attributable directly or indirectly to the loan of the equipment and its use by the Council, or any third party.
- Operate the equipment only under the supervision of person(s) trained in its use by MNZ, in accordance with the operating procedures forwarded with the equipment, and in accordance with any supplementary instructions given by MNZ. The Council will ensure that any third party operates the equipment in accordance with procedures forwarded with the equipment and any supplementary instructions given by MNZ.

Insurance

The equipment is insured by MNZ except when hired by a third party who shall take out insurance as part of the Hire Agreement. The Council will not be liable for damage to the equipment except where such damages were caused by wilful misconduct or gross negligence on the part of the Council, or where such damages results from a breach of this Agreement by the Council.

Breach of Agreement

If the Council breaches this Agreement, and as a result of such a breach the equipment is damaged or lost, the Council may be liable to MNZ for the damage or loss. Such liability may include the total cost of repairing or replacing the equipment to MNZ's specification.

There shall be no assignment under this Agreement without the consent of MNZ.

Termination

The Agreement for the loan of MNZ equipment to the Council may be terminated by either party during the period of the loan by giving not less than one week's notice in writing to the other. Whenever this agreement is so terminated the Council will allow MNZ to retrieve the equipment from the place where delivery was taken, or at some mutually agreed place.

Wildlife equipment and resources

One container of specialist equipment (blue box) is held with the MNZ marine oil spill response equipment in the old Power Station site, within the Port boundaries, at the end of Breakwater Road, New Plymouth and can only be used in a response. The contents of this container are designed to cater for the first 24–48 hours of a wildlife response including the capture of up to 50 oiled birds. A contents list for this container can be found at the back of this annex. Access to the building can be obtained by going to the Port Taranaki Ltd Security Gate at the Port, or by contacting personnel at the Taranaki Regional Council on 06 765 7127 (Glen Candy, Bruce Pope or Flo Blyde).

A trailer of additional wildlife equipment is also available from Massey University, Palmerston North and can be accessed via the Oiled Wildlife Response Emergency Duty Phone: 027 246 2267. A contents list for this trailer can be found at the back of this annex.

Emergency treatment and rehabilitation centres

Sites for appropriate emergency treatment and rehabilitation centres for wildlife affected by oil spills have been identified as:

- New Plymouth District Council (Hobson Street) Works Depot on Hobson Street, New Plymouth; or
- Hawera A & P Showgrounds, Burnside Ave, Hawera; or
- Ballance Fertiliser Store, Main Road, Opunake, Taranaki.

Further information and contacts for these sites can be found at the back of this annex.

Letters of consent have been obtained from the New Plymouth District Council and Hawera A&P Association; however contact will still need to be made to use the sites. No letter of consent has been obtained from Ballance, however there should be no difficulty using the site if appropriate contact is made prior to use.

Other suitable sites may be identified on a case by case basis.

Equipment

The following equipment is available in the Taranaki region:

Personnel equipment

- Overalls, wet weather gear, rubber gloves, waders, goggles, safety glasses. From: TRC, contact the Maintenance Officer, 06-765 7127; or NZ Safety Ltd.
- Wildlife container – A list of the contents is at the back of this annex.

Wildlife capture equipment

- Wax lined cardboard boxes for bird transport are in the wildlife container held at the Port Taranaki Storage Building.

Other equipment

- 2 dog traps (ideal for large birds or seals), Stratford District Council
- 2 cat size nets: SPCA – New Plymouth
- 1 cat size net: SPCA – South Taranaki/Hawera
- 3 (more can be obtained) cat traps (ideal for small birds) – Taranaki Regional Council Environment Services Section.

Bird hazing equipment

- bird scarers: Taranaki Fish and Game Council
- Other 'items' that could be used: flash tape, balloons, shooting clubs, farmers in vicinity (Environment Services section of Taranaki Regional Council could also be of assistance).

Hot water supplies

- Fonterra Co-operative Group Ltd Whareroa, unlimited very clean hot water at approx 60-65^o C, tankers may be available for transport outside milking season.
- Transpacific Industrial Solution (formerly Onyx) can provide tankers for transport of hot water

Miscellaneous items that could be obtained from around the region

- Boats, rubber matting, plastic lining for wastes oil sinks, plumbing supplies, cage building supplies, suitable supply of wildlife foodstuffs (particularly fish).

Disposal of Waste Oil

The waste oil from cleaning the oiled wildlife will be collected into containers or covered pits to be dug as needed, subject to TRC's Technical Services advice/input, and lined with plastic. This waste oil will be collected and disposed of by a combination of the following:

- Intergroup (formerly Transpacific Industrial Solutions);
- Origin Energy Ltd – Waihapa Production Station;
- Greymouth Petroleum – Kaimiro Production Station;
- Port Taranaki de-ballast facility (currently closed but could be recommissioned).

The responsibility for disposal of oily wastes rests with the Operations team. Information is available from the Planning team at the ICC.

MNZ has an arrangement with Envirowaste to provide nationwide waste management services during either a Tier 2 or Tier 3 oil spill response. 24 hour contact details for Envirowaste are:

Temporary Storage

Potential sites for temporary waste storage are at the Port Taranaki yard areas and the old oil company installations on Centennial Drive, Ngamotu Road, and Breakwater Road in New Plymouth.

Potential containers for temporary waste storage are the MNZ flexi dam, drums, various Port Taranaki containers and sucker trucks.

Disposal Options

The only licensed landfill in Taranaki which is able to receive oily wastes is the Colson Road Landfill in New Plymouth, which is operated by New Plymouth District Council.

Oily waste material includes:

Sand, shingle, dead wildlife or other natural material contaminated with oils (hydrocarbons) and which cannot be reused or recycled.

Under guidance from the Taranaki Regional Council, the Colson Road landfill can accept oily waste provided that:

- The waste has pre-approval for disposal (i.e. it has been assessed by the council solid waste officer at NPDC).
- A waste declaration form is completed and lodged with the landfill manager prior to delivery.
- There are no free running liquids.
- The volume is acceptable. The landfill can accept a maximum of 250 m³ of contaminated material per month. This is determined by the available area for airing sand and shingle, and the volume of suitable incoming other material to use as co-disposal.
- All soils must have been weathered so that light oils etc. have been volatilised or have been degraded.
- Large concentrations of oil cannot be accepted due to leachate treatment requirements.
- In an emergency large volumes are acceptable if the waste has been pre-treated in accordance with the landfill management plan (see below);

Reference: *Regional Landfill Management Plan; Section 2.5.2 Controlled Wastes*

Controlled wastes are as outlined in Appendix E (of that document) and as defined in the Centre for Advanced Engineering document, "Landfill Guidelines", dated April, 2000, Section 4, Waste Classification for Landfill Disposal, (Section B) Wastes possibly suitable for municipal landfill disposal – Solids and Sludge's.

Will be accepted at the landfill subject to the following:

- They can be placed in the Stage 3 area of the landfill;
- They have been approved for disposal by the Taranaki Regional Council;
- They have been approved by the Planning and Environmental Manager of the New Plymouth District Council;
- They are within the limits stated by Tables 4.11, 4.14 and 4.2 of the Ministry for the Environment's '*Guidelines for assessing and managing petroleum hydrocarbon contamination sites in NZ*' (1999).

How?

- The soils are not placed directly onto any protective clay liner synthetic liner or, onto any gravel forming a part of any drainage system;
- The contaminated soils are placed on top of previously deposited municipal refuse;
- Any contaminated soil is covered before rain falls.

If the waste does not meet the above requirements (excessive volume, odorous, or too much liquid), offsite pre-treatment of the waste to the satisfaction of the landfill manager may be undertaken. This would then enable the material to be buried at the

landfill upon delivery without further treatment (assuming sufficient co-disposal material is available).

Method for pre-treatment and disposal of oily waste material.

1. Lay out oily waste on part of the finished landfill with intermediate cover.
2. Sprinkle with clay, and mix on surface (50/50). Add lime if dead wildlife included in waste.
3. Leave to air for several days so material (including greasy, but non-running, oils) weathers off.
4. Bury, possibly with co-disposal material (e.g. Taranaki Ash).

Sucker trucks

Various sucker trucks can be obtained from Intergroup (see information earlier in this annex).

Oiled Equipment

Port Taranaki have yard areas, separators and steam cleaning equipment suitable for cleaning oiled equipment.

The old oil company installations on Centennial Drive, Ngamotu Road, and Breakwater Road in New Plymouth, have containment areas and separators which also could be suitable.

Other sites that could be considered for cleaning oiled equipment include production station sites in the region such as Oaonui, Pohokura or Kupe.

A number of hire companies in Taranaki have steam cleaning equipment which could be utilised to clean oiled equipment.

Recovery and disposal of oily wastes

The Technical Services advisor will identify suitable land sites when required by ROSC for the reception and disposal of oiled debris and liaise with the appropriate authorities to obtain their approval. These sites may be temporary or permanent sites.

Hazardous material

Other hazardous material will be treated on a case by case basis and the avenues for disposal known to the Technical Services advisor will be used. Safety in relation to the use of breathing apparatus and appropriate clothing will be considered at all times. Guidance from the Taranaki Hazardous Substances Technical Liaison Committee can be sought by calling the New Plymouth Police Station.

Regional Wildlife Response Equipment Contents

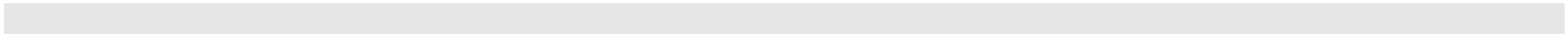
Blue Box

These contents are intended to cater for 50 birds and 20 field personnel

	Item	Use	Number	Supplier	On shopping list?	Check ?
<i>Capture</i>	Transport boxes	Transportation of birds	50	Contact NZWHC		
	Matasorb (sorbent mats)	Lining bottom of transport boxes	100	Process lubricants		
	Pillow cases	Holding birds before placing in transport boxes	50	Manchester retailer		
	Wildlife Collection tags	Labelling boxes (live) & Bags (dead)	75	Contact NZWHC		
	Long handled dip nets	Net capture of birds	10	Fishing store or similar		
	Tyvex suits - size M	PPE	3	Safety store		
	Tyvex suits - size L	PPE	12	Safety store		
	Tyvex suits - size XL	PPE	12	Safety store		
	Tyvex suits - size XXL	PPE	3	Safety store		
	Nitrile gloves (disposable) - size S	PPE	2 boxes	Safety store		
	Nitrile gloves (disposable) - size M	PPE	2 boxes	Safety store		
	Nitrile gloves (disposable) - size L	PPE	3 boxes	Safety store		
	Safety sunglasses	PPE	20 pairs	Safety store		
	PVC gloves	PPE	20 pairs	Safety store		
	High visibility Safety Vests	PPE	20	Safety store		
	Whistles	Attracting attention in the field	20	Tramping store		
	Hibitane/Hibiclens disinfectant - 500ml	Hand cleaning	1	Order through local veterinarian		
	Paper towels	Hand cleaning	10 rolls			

		Item	Use	Number	Supplier	On shopping list?	Check ?
					supermarket	Y	
		Alcohol hand gel (small bottles)	Hand cleaning	20	supermarket	Y	
		Field note books (plastic paper)	Field notes	10	www.geosystems.co.nz		
		Pencils	Field notes	20	Local bookshop		
		Field Guide to Birds of NZ	Species Identification	1	Local bookshop	Y	
		Infectious waste bags	Containing oiled PPE etc	20	Contact NZWHC		
		Plastic leg bands for bird ID	Bird ID	50	Contact NZWHC		
		Sharpie pens	Labelling	10	Local bookshop		
<i>Stabilisation</i>		50ml syringes, without catheter	Oral fluid administration	20	Order through local veterinarian		
		20ml syringes, without catheter	Oral fluid administration	15	Order through local veterinarian		
		10ml syringes, without catheter	Oral fluid administration	15	Order through local veterinarian		
		Roll of silicone tubing	Oral fluid administration	20 m	Rubbermark		
		Cotton buds	Cleaning oil from eyes and mouth	5 pkts	Pharmacy		
		0.9% NaCl (500ml bottle)	Cleaning oil from eyes and mouth	2	Get at local veterinarians	Y	
		Squeeze bottles	Cleaning oil from eyes and mouth	3	Plastic box		
		Digital thermometer	Cloacal temperature taking	1	Local chemist/pharmacy		
		Electrolytes, powder	Oral fluid administration		Pharmacy, supermarket, vet clinic	Y	
<i>Dead bird collection</i>		Plastic bags	Holding dead birds	100	Plastic box		
		Cable ties, 200mm	Sealing bags	100	Hardware store		
		Cable ties, 100mm	Sealing bags	100	Hardware store		
<i>Administration etc</i>		Clipboards		5	Bookshop		
		Writing Pads		5	Bookshop		
		Nylon rope - 4mm 30m		2	Hardware store		

		Item	Use	Number	Supplier	On shopping list?	Check ?
		Animal admission logs in folder	Complete for each animal	60	Photocopied forms		
		Register of equipment (in and out)		1	Contact NZWHC		
		Stock rotation schedule		1	Contact NZWHC		
		Audit checklist		1	Contact NZWHC		
		Non-tamper plastic sealing tag		1	Contact NZWHC/MNZ		
		Bird scare tape	Hazing	5 rolls	Farm supplier		
		Sports horn	Hazing	1	NZ Safety		
		Rotatable stock:					
		Nitrile gloves – check expiry dates during audit and replace as necessary					



Regional Oiled Wildlife Response Trailers

These contents are intended to cater for 50 birds, 20 field personnel and 12 wash personnel

Permanent Trailer Items

Equipment	Bin	Category	Use	Number	Supplier	Checked
Waders (various sizes)	1	Search & capture/PPE	Field work	5	Massey	
First aid kit	2	Search & capture/PPE	Rehab centre + staging site	1	NZ Safety	
waterproof notebooks	2	Search & Capture	Recording	10 (1 per field team)	Science supplier	
Pencils	2	Search & Capture	Recording	50 (2 per recorder)	Stationery retailer	
Bird bands	2	Search & Capture	Identification of individuals	150 minimum	Massey	
Wildlife collection tags	2	Search & Capture	Identification of individuals	75	Massey	
Dead bird bags	2	Search & Capture	Collecting dead birds	100	Packaging retailer	
Cable ties (100 mm)	2	Search & Capture	Collecting dead birds	100	Packaging retailer	
Field guide to birds of NZ	2	Search & Capture	species ID	1	Stationery retailer	
'Danger' Tape (300 m)	2	Search & Capture	constructing areas of exclusion	1	NZ Safety	
Bird Scare Tape	2	Search & Capture	hazing	6	Farmlands	
Sports horn	2	Search & Capture	hazing	5	Safety shop	
Pillow cases	2	Search & Capture	Collecting live birds	50	Manchester shore	
Hand nets	-	Search & Capture	Capture	10	Fishing store	
Matasorb' Sorbent mats	-	Search & Capture	Bottom of transport boxes	100	Process lubricants	
Transport boxes - Large	-	Search & Capture	Transport	20	Massey	
Transport Boxes - Small	-	Search & Capture	Transport	30	Massey	
Tarpaulins (4 x 6 m)	-	Staging	Shelter	4	Hardware store	
Warratah stakes & caps	-	Staging	Shelter	6	Farmlands	
Wind break (50 m rolls)	-	Staging	Shelter	2	Hardware store	
Trestle Table	-	Staging	Field stabilisation platform	1	Hardware store	
Rope	3	Tools	Shelter	4	Hardware store	
Masking tape	3	Tools	general	5	Hardware store	
Long-handled pruners	3	Tools	general	1	Hardware store	

Equipment	Bin	Category	Use	Number	Supplier	Checked
Saw	3	Tools	general	1	Hardware store	
Stanley Knife	3	Tools	general	1	Hardware store	
Tape Measure	3	Tools	general	1	Hardware store	
Bottle Jack, 4000kg	3	Tools	general	1	Hardware store	
Staple Gun	3	Tools	Constructing shelter	1	Hardware store	
Staples (box of)	3	Tools	Constructing shelter	1	Hardware store	
WD-40	3	Tools	general	1	Hardware store	
Wheel Brace	3	Tools	general	1	Hardware store	
Duct Tape	3	Tools	general	1	Hardware store	
Cloth Tape	3	Tools	General	1	Hardware store	
Torches, dolphin	3	Tools	general	5	Hardware store	
Cable ties 200 mm	3	Tools	general	20	Hardware store	
Extension Cords (30 m)	3	Tools	general	2	Hardware store	
Tergo bird wash (20 L)	-	Wash	Detergent	2	Massey stockpile	
Large wash tubs	-	Wash	Wash	6	Hardware store	
Fire extinguisher	4	Wash/PPE	Stabilisation, wash	1	NZ Safety	
Plastic aprons	4	Wash/PPE	Wash	12	NZ Safety	
Water pik	4	Wash	Cleaning head	1	Dental supplier	
Tooth brushes	4	Wash	Cleaning head	20	Supermarket	
Small plastic tubs	4	Wash	Holding wash equipment	10	Hardware store	
small measuring jugs	4	Wash	Detergent	4	Supermarket	
Squeeze bottles	4	Wash	Cleaning head	5	Pharmacy	
Towels	4	Wash	wrapping	20	Department store	
Cotton tips (pkt of 100)	4	Wash	Clean oil from delicate tissues	5	Pharmacy	
Silicon tube; sm x 20m	5	Stabilisation	Rehydration	1	Massey	
Silicon tube: lg x 4 m	5	Stabilisation	Rehydration	1	Massey	
50 ml syringe	5	Stabilisation	Rehydration	20	Massey	
20 ml syringe	5	Stabilisation	Rehydration	15	Massey	
10 ml syringe	5	Stabilisation	Rehydration	15	Massey	
Cotton tips (pkt of 100)	5	Stabilisation	Clean oil from delicate tissues	10	Pharmacy	

Equipment	Bin	Category	Use	Number	Supplier	Checked
Fire extinguisher	5	Stabilisation/PPE	Stabilisation, wash	1	NZ Safety	
Heat lamps	6	Stabilisation	temperature modification	10	Hardware store	
bulbs for heat lamps	6	Stabilisation	temperature modification	10	Hardware store	
Enclosure thermometers	6	Stabilisation	Temperature monitoring	3	Electronics store	
Scalpel Blades, Size 22	7	Postmortem	Avian necropsy	100	Medical supplier	
Scalpel Handles	7	Postmortem	Avian necropsy	1	Medical supplier	
Scissors, sharp	7	Postmortem	Avian necropsy	1	Medical supplier	
Scissors, blunt	7	Postmortem	Avian necropsy	1	Medical supplier	
Forceps	7	Postmortem	Avian necropsy	1	Medical supplier	
Bone-cutting forceps	7	Postmortem	Avian necropsy	1	Medical supplier	
Specimen Pottles Pink	7	Postmortem	Sample collection	100	Medical supplier	
Bags, Biohazard	7	Postmortem	Waste collection	10	Medical supplier	
Small sharps container	7	Postmortem	Used scalpel collection	1	Medical supplier	
Tissue cassettes/sponges	7	Postmortem	Fixing tissue in formalin	20	Medical supplier	
Whirlpak bags	7	Postmortem	Storing tissues once fixed	100	Medical supplier	
Waterproof labels	7	Postmortem	To go in formalin with tissues	1 notebook	Science supplier	
Syringes - 1ml	8	Veterinary	Blood collection	100	Medical supplier	
Needles, 25g, 3/4 inch	8	Veterinary	Blood collection	100	Medical supplier	
Capillary Tubes	8	Veterinary	Blood collection for PCV/TPP	400	Medical supplier	
Cristaseal (Sealant)	8	Veterinary	Blood collection for PCV/TPP	2	Medical supplier	
Refractometer	8	Veterinary	Reading TPP	1	Medical supplier	
PCV chart	8	Veterinary	Assess PCV	1	Medical supplier	
Calculator	8	Veterinary	Fluid calculations etc	1	Stationery retailer	
Field centrifuge	-	Veterinary	Spin capillary tubes	1	Medical supplier	
Cotton Balls (pkt of)	8	Veterinary	Swab for venipuncture site	1	Pharmacy	
Micropore tape	8	Veterinary	For venipuncture site	1	Medical supplier	
Coverslips (pkt of)	8	Veterinary	parasitology	2	Medical supplier	
Microscope Slides (pkt of)	8	Veterinary	parasitology	1	Medical supplier	
Small sharps container	8	Veterinary	Used needles etc	1	Medical supplier	
Slide holder	8	Veterinary	Fixing slides	1	Medical supplier	

Equipment	Bin	Category	Use	Number	Supplier	Checked
Stethoscope	8	Veterinary	Auscultation	1	Medical supplier	
Thermometer - digital	8	Veterinary	Cloacal temperature	1	Medical supplier	
Multisorb swabs – box sm	8	Veterinary	Wound dressings	1	Medical supplier	
Multisorb swabs – box lrg	8	Veterinary	Wound dressings	1	Medical supplier	
Vet wrap	8	Veterinary	Bandaging	5	Medical supplier	
Soffban	8	Veterinary	Bandaging	5	Medical supplier	
Melolin	8	Veterinary	Bandaging	20	Medical supplier	
First aid kit	8	Veterinary/PPE	Rehab centre + staging site	1	NZ Safety	
Zeolite	-	Cleaning & hygiene	Cleaning up spills	1	Engineer supplier	

Trailer Shopping List

Equipment	Category	Use	Number	Supplier	On Shopping list
Tyvex suits	PPE	All stages	1/person/day for 3 days	NZ Safety	Y
Nitrile gloves size S (box of 100)	PPE	All stages	10 pairs/person/day for 3 days	NZ Safety	Y
Nitrile gloves size M (box of 100)	PPE	All stages	10 pairs/person/day for 3 days	NZ Safety	Y
Nitrile gloves size L (box of 100)	PPE	All stages	10 pairs/person/day for 3 days	NZ Safety	Y
Protective sunglasses	PPE	Field work	1 per field personnel	NZ Safety	Y
Rubber gumboots	PPE	Wash, stabilisation	1 per field personnel - sizes variable	NZ Safety	Y
Sunblock	PPE	Field work	1 per field team	Supermarket	Y
Sunhats	PPE	Field work	1 per field personnel	NZ Safety	Y
First aid kit - small	PPE	Field work	one per field team	NZ Safety	Y
Waterproof jackets + pants	PPE	Field work	1 pair per field personnel	NZ Safety	Y
Ear plugs	PPE	Wash	1 packet per wash personnel	NZ Safety	Y
Safety goggles	PPE	Stabilisation, wash	1 pair per wash personnel	NZ Safety	Y
Overalls, cotton	PPE	All stages	3 pairs per personnel	NZ Safety	Y
Long gloves	PPE	Wash	1 per wash personnel	NZ Safety	Y
Face visors	PPE	Wash	1 per wash personnel	NZ Safety	Y

Equipment	Category	Use	Number	Supplier	On Shopping list
Boot covers	PPE	Wash	1 per wash personnel	NZ Safety	Y
Whistles	PPE	Field work	1 per field personnel	Tramping store	Y
PVC gloves	PPE	Field work	1 pair per field personnel	NZ Safety	Y
Alcohol hand gel (small bottles)	PPE	Field work	1 per field personnel	Supermarket / Pharmacy	Y
Batteries for torches	Tools	general	5	Hardware store	Y
Toothbrushes	Wash	Cleaning head	10	Supermarket	Y
Funnels	Wash	Pouring bird wash	2	Supermarket	Y
Electrolytes (Animal brands e.g. "Revive" for calves, are preferable. Human brands are ok)	Stabilisation	Rehydration	to make 10 litres	Massey / Veterinarian / Rural Supplier / Pharmacy	Y
Saline (500 ml bottle)	Stabilisation	Removal of oil from eyes/nares	10	Massey / Veterinarian / Pharmacy	Y
Formalin (small bottle)	Postmortem	Fixing tissues	1	Massey / Veterinarian / Rural supplier	Y
A4 Lined Pads	Stationary	general	25	Stationery retailer	Y
Clipboards	Stationary	general	25	Stationery retailer	Y
Pencil Sharpener	Stationary	general	25	Stationery retailer	Y
Duct tape	Stationary	general	3	Hardware store	Y
Sharpie Permanent Marker Black	Stationary	general	25	Stationery retailer	Y
Food blender	Feeding	Rehabilitation - food prep	1	Department store	Y
Electronic Scales	Feeding	Rehabilitation - food prep	1	Department store	Y
Batteries for electronic kitchen scales	Feeding	Rehabilitation - food prep	as necessary	Hardware store	Y
Set of kitchen knives	Feeding	Rehabilitation - food prep	2	Department store	Y
Broom	Cleaning & hygiene	Cleaning	2	Supermarket	Y
Buckets	Cleaning & hygiene	Cleaning	5	Supermarket	Y
Chux Regular Cloths	Cleaning & hygiene	Cleaning	8	Supermarket	Y
Dustpan & Brush	Cleaning & hygiene	Cleaning	2	Supermarket	Y
Garbage Bags (roll of 10)	Cleaning & hygiene	Cleaning	3	Supermarket	Y
Paper Hand Towels (roll)	Cleaning & hygiene	Stabilisation/Cleaning	12	Supermarket	Y
Paper Kitchen Towels (roll)	Cleaning & hygiene	Cleaning	4	Supermarket	Y

Equipment	Category	Use	Number	Supplier	On Shopping list
Mop	Cleaning & hygiene	Cleaning	1	Supermarket	Y
Dish cleaning brushes	Cleaning & hygiene	Cleaning	2	Supermarket	Y
Scrubbing Brush	Cleaning & hygiene	Cleaning	3	Supermarket	Y
Hibiclens, 500ml	Cleaning & hygiene	Bacteriocidal cleaning	2	Medical supplier	Y
Simple Green All Purpose Cleaner	Cleaning & hygiene	General surface cleaner	1	Hardware store	Y
Dishwashing liquid	Cleaning & hygiene	Rehabilitation	1	Supermarket	Y
Tube Simple Green Hand Cleaner Gel	Cleaning & hygiene	Hand cleaning	2	Hardware store	Y
Trigene (Animal Trigene Advance, 1 Litre bottle)	Cleaning & hygiene	General purpose disinfectant	2	Medical supplier	Y

Oiled Wildlife Recovery Site Survey

DWYERtech
services ltd

Quality outcomes every time!

Region: Taranaki

Date: 12 February 2009

Site Address: New Plymouth District Council (Hobson Street) Works Depot
65 Hobson Street
New Plymouth

Contact: Customer Response Officer – Parks, New Plymouth District Council

Sewer connection: Connected to town sewer scheme

Water main size: Connected to town mains supply, uncertain as to pipe size (see photo)

Power supply: Three phase power available on site

Water flow: Mains very large – good supply and pressure

Hot water system: Only in personnel amenities, e.g. kitchen, bathroom

Amenities: Large kitchen/dining area, toilets, showers, drying room

Who owns the site: New Plymouth District Council

Who controls the site: New Plymouth District Council

Parking: Plenty within depot compound – both garage and open air

Truck access: Very good access for large vehicles – turning space inside depot compound

Security: Excellent – high cyclone fencing all around. Patrolled by guards 4x per night

Difficulties: No serious difficulties perceived.

Perhaps some workshop noise from time to time.

Garages for stabilization only have large roller doors – smaller access points would need to be established.

Irrigation sprinklers at 4m intervals through graveled rehab area – will rehab pools fit within these areas?

Clean land for marque: No grassed area, but plenty of flat sealed space, some graveled area that could be used for setting up rehab pools

Toilets: 2 female and 4 male toilets, 2 female and 4 male showers

Area for managing site: Portacom could be positioned by entrance

Induction process area: Portacom, spare office space, or tea room could be suitable

Rest area for staff: Large modern tea room / kitchen area

Food suppliers: Plenty of caterers based in New Plymouth

Existing cleaning area: Yes – the plant supply shed close to entrance would be ideal. Rinse container could be set up on flat sealed space adjacent

Outside lighting: Limited – some security spotlights

Distance to town: 5 min to New Plymouth CBD

Nearest airport: 15 – 20 minutes to New Plymouth Airport

Comments: Very helpful staff – would need to continue some works from the site, but would alter their routine as much as possible to assist OWR. This is a large enough site to cope with this.

Site also designated at pandemic emergency base, but it would be unlikely pandemic and oil spill to occur simultaneously

Drying room with existing heating system may be useful for thermoregulation of oiled birds

Water hardness: N = 2, Result = 60 mg/LCaCO₃ (Very Soft)

Oiled Wildlife Recovery Site Survey

DWYERtech
services ltd

Quality outcomes every time!

Region: Taranaki

Date: 12 February 2009

Site Address: Balance Fertilizer Store, Main Road Opunake, Taranaki

Contact: xx
xx

Sewer connection: Septic tank

Water main size: 3 – 4 inch from town supply

Power supply: Three phase power available on site

Water flow: Good flow and water pressure.

Hot water system: No

Amenities: Limited indoor space available to OWR, plenty of sealed outdoor space and neighboring paddock. A very basic and quite run-down facility. Fully equipped gym available.

Who owns the site: Balance Fertilizer Company

Who controls the site: Balance Fertilizer Company

Parking: Plenty sealed parking space

Truck access: Yes, very good access – trucks routinely use this for fertilizer loading

Security: Reasonable boundary fence, all buildings lockable. Site would benefit from added security during OWR

Difficulties:	<u>Existing buildings very basic, and limited accessibility due to current leases</u> <u>Dust and truck activity associated with fertilizer business would need to continue, we could have access to much of the back part of the site which is large enough to bring in marquees, portacoms etc</u> <u>2 – 4 weeks during May/June the yard is used by Regional Council for plants</u> <u>Engineering workshop would need to be emptied of 4 – 5 cars for OWR</u> <u>Opunake is small town with limited accommodation/dining opportunities</u>
Clean land for marque:	<u>Plenty – both sealed and grassed</u>
Toilets:	<u>Only one existing – would need to bring in portaloos</u>
Area for managing site:	<u>Would need to bring in portacom</u>
Induction process area:	<u>Would need to bring in portacom</u>
Rest area for staff:	<u>The gym is potentially usable as a rest area</u>
Food suppliers:	<u>Opunake - limited</u>
Existing cleaning area:	<u>Basic engineering workshop</u>
Outside lighting:	<u>Limited – one existing. Portable lights available</u>
Distance to town:	<u>2 min to Opunake</u>
Nearest airport:	<u>New Plymouth – approx 1 hour</u>
Comments:	<u>Gantry available for lifting.</u> <u>Outdoor covered area may be useful for rehab. Site manager is very helpful and willing to work in with OWR needs.</u> <u>Accommodation in Opunake is limited to 3 motels and various rental homes</u> <u>Water hardness: N= 2, Result = 60 mg/LCaCO₃ (Very Soft)</u>

Oiled Wildlife Recovery Site Survey

DWYERtech
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Quality outcomes every time!

Region: Taranaki

Date: 12 February 2009

Site Address: Hawera A&P Showgrounds, Burnside Ave, Hawera

Site Contact: _____

Sewer connection: Fairly certain property is connected to town sewer scheme

Water main size: Town water supply – uncertain of pipe diameter

Power supply: Three phase available on site

Water flow: Good water pressure and flow

Hot water system: To limited areas only. i.e. kitchens and bathrooms

Amenities: Many, spread amongst different areas – showers, toilets, patrons room, kitchen, tea room

Who owns the site: Egmont A&P Association

Who controls the site: Egmont A&P Association

Parking: Plenty – mostly grassed

Truck access: Good – sealed roadways within complex, Good turning space.

Security: Not secure, but could be improved during a response as necessary

Difficulties: Site is used frequently by other groups, especially for equestrian events (60% of all weekends)

The annual A&P show is a major event that would take precedence – this is held on the 2nd or 3rd weekend in November

Security may be an issue with other users and neighboring properties backing directly onto the showgrounds.

Clean land for marque: Yes – plenty

Toilets: Plenty spread over various areas of the showgrounds. In large ablution block close to proposed treatment site there are 3 toilets and 3 showers for women, and 1 toilet, 1 urinal and a communal shower area for men

Area for managing site: Portacom may be the easiest to ensure a space close to the main access gate

Induction process area: Patrons room or portacom

Rest area for staff: Patrons room would be ideal, as it has adjoining kitchen

Food suppliers: Catering opportunities in Hawera

Existing cleaning area: Yes – large space under grand stand (two halves: 15m long & 25m long)

Outside lighting: Limited

Distance to town: 5 minutes to Hawera

Nearest airport: Small airport at Hawera, main airport is New Plymouth c. 1 hour away

Comments: Various spaces may be available depending on other users – under grandstand, the trade hall, the rifle club space (this group has plans for a new building in the medium term).

This site would be quite versatile depending on other upcoming events

Water Hardness: N = 1, Result = 20 mg/LCaCO₃ (Very Soft)