Foundation Specialists / Environmental Contracting

CONTRACT LANDSCAPES LTD

AND SUBSIDIARY CONTRACT ENVIRONMENTAL LTD
14 Wookey Lane, PO Box 577, Kumeu, Auckland
Ph: 09/412-7048 Fax: 09/412-7410
Mob: 0275/990-227 (Terry Donnelly) Mob: 021/311-532 (John O'Grady)

South Taranaki District Council
Private Bag 902
105-111 Albion Street
Hawera

30 April 2008

Attention: Mr Graham Young

Subject: **Demolition of Patea Freezing Works**

Dear Mr Young,

Thank you for arranging for us to meet Noel McColl at the Patea Freezing Works Site on Thursday morning. My business partner Terry Donnelly and I spent about two hours there assessing the work involved in demolishing the entire freezing works and leaving a clean site for future use. We are therefore able to give you a budget price for carrying out this work. This budget price would depend on us having the right to retain the revenue from recycling all the steel on the site.

The **methodology** we would use is briefly described below as follows (we can supply more details as appropriate):

1. This preliminary stage would involve agreeing on methodology, obtaining any necessary consents, liaising with all interested parties and preparing and agreeing on all necessary plans (operational, health and safety, environmental, traffic management, etc. It may also be necessary to obtain a structural engineering report on the safety of the buildings.)
2. We would then mobilise on site and set up a security-fenced contaminated area with entrance and exit through a decontamination zone with clean/dirty showers and changing areas.

3. Then we would spend 8-10 weeks removing all asbestos roofing and cladding and all visible loose asbestos materials, using teams of asbestos removal specialists fitted with full face respirators, disposable coveralls and other necessary personal protective equipment (PPE). The asbestos materials would be bagged in plastic asbestos bags or wrapped in plastic for removal from site, and all the sealed asbestos materials would be taken to the nearest suitable secure landfill that would accept the large quantities that would be involved. All this work would be done with careful attention to dust control, using water for wetting down and PVA spraying as appropriate.
4. During the Stage 3 work, a separate crew would establish a negative air environment around the location of the friable asbestos in the old boiler complex and all this friable asbestos would be removed as a separate specialist exercise using standard OSH specified techniques for restricted asbestos work. The removed friable asbestos would be bagged and taken to the nearest suitable secure landfill. This work would take about 3 weeks in parallel with the above Stage 3 work.
5. Once all the loose asbestos has been removed, all steel would be cut up with shears, grapples, gas cutting, etc using a mixture of techniques as appropriate. Any remaining asbestos would be removed from the steel in situ before cutting or the steel would be brought to staging areas for removal of any remaining asbestos. The steel would then be trucked off site for recycling. It is estimated that this stage of the work would take an additional 8-10 weeks and full PPE would be worn by all staff throughout this whole stage of work.
6. All dust and rubble contaminated with asbestos fibres would then be collected using a combination of front-end loaders, waterblasting, industrial vacuum cleaners and other techniques as appropriate. This material would also be removed off site in covered and lined trucks to the nearest suitable secure landfill for disposal as “asbestos contaminated material”. This stage would take an estimated 6-8 weeks and again full PPE would be worn by all staff throughout this whole stage of work.
7. In parallel with the Stage 6 work above, any other contaminated materials would be removed from site. It is understood that this material is not large in volume or significantly contaminated and mainly consists of the old ash from the burning of coal in the boiler complex.
8. Steps 2-6 will ensure that the site is completely free of asbestos. This would be verified by an on-site asbestos laboratory that would be established with air and bulk sampling carried out on a grid and suspected hot-spot basis to the client’s instructions. This verification phase is expected to take an additional 3-4 weeks and could be supervised by an external third party to maintain independence.
9. The next stage of the work would then be demolition of all concrete structures, filling in all holes and grading and leveling the site. This is a straightforward task as no asbestos would be involved. The broken concrete could be used for filling on-site holes, taken off site for clean fill

or taken to the nearest suitable landfill. It is anticipated that this stage of the work would take 6-8 weeks.

10. We would then demobilise from site once all the client's needs have been met and the site would be left completely clean of asbestos.
11. Very close attention would be paid to all health and safety issues with a special focus on asbestos, but also on demolition safety, working from heights, noise protection, chemical safety, machinery safety etc. Regular task analyses would be carried out and regular toolbox meetings held and a process of thorough incident and accident reporting would be set up.

It is anticipated that the entire project from mobilization on site to demobilizing from a clean site would take **30-40 weeks** in total.

We estimate that the total cost would be about **$1.6 million plus GST**, excluding the cost of obtaining any consents necessary, although it is not anticipated that consents would be a problem. This estimated cost is also based on the assumption that any other contamination apart from asbestos would be quite minor.

We consider that the above estimate of time and cost would be reasonably accurate and we would be very pleased to supply further details and to discuss the matter further with you.

Our company is Contract Landscapes Ltd (CLL), which is a large Auckland civil engineering contractor employing over 100 people and an additional 20-30 regular sub-contractors. Typically we would have 70-80 jobs running at any one time. Work undertaken by CLL includes foundations and footings, retaining walls, slip stabilisation work, concrete slabs, cliff stabilisation and general site preparation and development. Details of CLL can be found on www.contractlandscapes.co.nz

Contract Environmental Ltd (CEL) is a subsidiary of Contract Landscapes and undertakes environmental contracting and consulting work, including contaminated site remediation, contaminated site clearance and demolition, asbestos removal, hazardous waste management and hazardous substances management. Details of CEL can be found on www.cenv.co.nz. CEL uses CLL staff for site clean-up work and also regularly uses the services of its associate Morecroft Contracting Ltd. CEL/Morecroft has been undertaking asbestos projects in New Zealand for over 18 years and in the Philippines for over 8 years. A list of typical projects is attached.

In addition CLL/CEL is currently undertaking asbestos removal work locally for Kaefer Integrated Services at the New Plymouth Power Station and the Methanex Plant. The work is expected to continue for at least another year and is also expected to involve the cleaning of asbestos from the Power Station stack.

CLL/CEL is well used to undertaking major projects and has just completed at the end of last year the six months long project to demolish the old Auckland International Airport quarantine incinerator and carry out an extensive cleanup of major contaminants including dioxin, furans, PAHs and heavy metals. This work was done on time and within budget and met all health and safety and environmental criteria. Referees can be supplied for this project.

CLL takes pride in its health and safety record and on request, can provide details of:

1. Contract Landscapes detailed Health and Safety Plan, including the Contract Environmental Asbestos Health and Safety Plan
2. ACC Certificate
3. Site Safe Membership Certificate
4. Public Liability Insurance Certificate
5. Commercial Motor Vehicle Insurance Certificate
6. Environmental Management Policy Statement
7. Record of Accident Hours Lost 2005 – Feb 2008

Company financial management reports can also be supplied on request.

Please note that CLL met the highest ACC Tertiary Level requirements for the ACC Workplace Safety Management Practices.

We would be pleased to supply any further information you may require and we will look forward to hearing from you.

Yours sincerely,

Terry Donnelly
Managing Director
Contract Landscapes Ltd

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Typical asbestos projects undertaken in New Zealand and the Philippines are set out below:

Schedule of Typical Asbestos Work Undertaken in New Zealand.

1989– Auckland City Council Building, 24 floors brown friable Amosite—8 months
Greenlane Hospital Pipework, Calcium Silicate/ Amosite—3 weeks
Smith & Nephew, sprayed blue crocidolite to ceiling—6 weeks
Westpac Bank 3 floors friable Amosite to Steelwork—2 months
1990_ Massey university, Amosite pipework—2 weeks
Kelston School for the blind, Amosite Pipework—3 weeks
Auckland Art Gallery, Amosite sprayed on steelwork—2months
Auckland Labourers Union, Amosite to steel—1 month
Caltex House, Auckland, Crocidolite to ceiling—2 months
Auckland University, Amosite lagging—3 weeks
Auckland Airport, Domestic, Amosite to ceiling—6 weeks
1991—Auckland Employers Assoc, Amosite to steel—3 weeks
Bond & Bond electrical, Amosite to steel—3 weeks
Fishermans Wharf Fletchers, Amosite to steel—2 weeks
Kerepehi Dairy factory, Amosite to Boilers, pipework—4 months
Waikato Hospital, Amosite lagging—3 weeks
1991-2—A&G Price Trains, sprayed crocidolite—7 months
1992—Rialto Theatre Newmarket, Amosite to steel—3 weeks
AEPB Otara, Amosite to steel—3 weeks
Whangarei Girls High, Amosite to boiler & pipes—1 month
Hocking wing Waikato Hospital, Amosite, Demo—2 weeks
Ports of Whangarei 24" pipework, Amosite—2 weeks
Ravensthorpe Hospital Amosite Demo—2 months
1993—Ruherford High School Amosite boiler & Pipes—3 weeks
Waikato Hospital Amosite in ductwork—1 month
Whangarei Hospital, Amosite vacuum loading floor pan—6 weeks
Claude Schwitzer Home Kaitia, Amosite pipework—2 weeks
NSCC Bus depot, Amosite to steel—6 weeks
Miccrosoft Building, Crocidolite to steel & Ceiling—6 weeks
1994—Waikato Hospital, Amosite pipework—6 weeks

Northland College, Kaikohi, Amosite boiler & pipe—6 weeks
Mangatoroto Dairy factory, Amosite pipework—2 weeks
AuDargaville Dairy Factory, Amosite pipework—2 weeks

1995—Ruawai School, Amosite Boiler & Pipework, 4 weeks
Wangarei Bakery, Amosite pipework—2 weeks
Win Jacob Demo, sprayed Amosite—2 weeks
Auckland Airport, Amosite to ceiling, 4 weeks
Ports of Whangarei, Amosite boiler & pipe on ship—3 weeks
Auckland University, Amosite insulation—4 weeks
Ports of Whangarei, Amosite boiler & pipe on ship—3 weeks

1996—Winstones block making plant, Amosite Boiler
Bank of NZ, approx 15 branches across NI inc amosite—over 3 months
Waikato Hospital, Waiora Waikato Bldg, Amosite pipe—3 weeks
Tokanui Hospital, Amosite boiler & pipes—2 months
Tauranga Hospital, Amosite boiler & pipes—3 weeks

1997—Whenuapai Airbase, Amosite pipework—6 weeks
Hobsonville Airbase, Amosite boiler & pipework—3 weeks
Piopio College, Amosite pipework, 4 weeks
Taumaranui High, Amosite pipework—3 weeks
Otorahanga High school, boiler & pipework—4 weeks
Sherwood school, Hamilton, Amosite boiler & pipework—3 weeks
Metropolis building, Amosite boiler & pipework—6 weeks
Waitakere stream cleanup, Amosite debris—3 weeks.

1998—Hort research, cutting AC pipework + Amosite—2 weeks
Marion School, Hamilton, Amosite boiler & pipework—3 weeks
CEPI development, PLDT plant room Amosite to ceiling—2 months
Dioscean School for girls, Amosite boiler & pipework—3 weeks
Papakura Shopping Ctr, Amosite to steel—4 weeks

1999—Thames Hospital, Amosite boiler & pipework—6 weeks
Ngatea Primary School, Amosite boiler & pipework—4 weeks
Baptist Church, Papakura, Crocidolite to Ceiling—4 weeks
CEPI, plant room 1 week
Thames school, Amosite boiler & pipework—3 weeks

2000—Consulting & Management for Opus Consultants
Hamilton Boys High, Amosite boiler & pipework—2 months
Whakatane High School, Amosite pipework—3 weeks
Thames Hospital, Amosite Debris cleanup—3 weeks
Coromandel Police station, Amosite pipework—1 week
Nga Iwi Primary school, Mangere, Amosite Pipework—3 weeks
Thames High School, Amosite Boiler & pipework—3 weeks

2001—Tokoroa High School, Amosite boiler & pipework—4 weeks
Taumarqanui High School, Amosite Boiler & pipework—8 weeks
Halensteins, Queen St, Amosite to steel—6 weeks
Waikato Hospital, Amosite pipework—Various jobs
Simms Pacific Metals, Amosite Boiler—3 weeks
Weymouth School, Amosite pipework—2 weeks
Six projects to clean up asbestos contaminated sites in Manakau City over a twelve month period, including excavation of buried friable asbestos debris – 4 months.

2002—Meremere Power Station Amosite cleanup—3 months
Hamilton Boys High, Amosite pipework—4 weeks

Babcock engineering, Amosite ships engine room—2 weeks
Matamata High school, Amosite pipework—2 weeks
Kelston Girls High, Amosite Boiler & pipework—6 weeks
Hyatt Hotel, Crocidolite insulation to ceilimg—3 weeks
Auckland Medical School,Amosite insulation—6 weeks
Henderson High school, Amosite debris cleanup—3 weeks
2003—Glen Henderson Demo Queen St, Crocidolite insulation—6 weeks
Takaninni School, Amosite pipework—2 weeks
Auckland Hospital, Amosite debris from 6 floors—5 months
Simms Pacific metals, Amosite boiler—2 weeks
2004—Middlemore Hospital, Amosite Debris—2 months
Thames Hospital, Amosite debris to floor pan + Ducts—2 months
Takapuna Intermediate, Amosite boiler—2 weeks
2005—Thames hospital Amosite in ducts—2 months
Placemaker Kaitia, consultancy Amosite cleanup—2 weeks
Taumaranui Hospital, Consultancy & survey—2 weeks
Haydyn & Rollett Amosite cleanup, management—6 weeks
Lotus properties, Amosite insulation—3 weeks
Simms Pacific Metal, Amosite boiler—2 weeks
Glendowie College, Amosite debris from groundpan—3 weeks
2006—Glenbrook steel mill, survey and management—2 weeks.
Haydyn & Rollett, Amosite cleanup consultancy—2 weeks
DOC Waiheke, Amosite cleanup—2weeks
Landco, Crushed fibro cleanup—2 weeks
Siemens,Otahuhu power station amosite cleanup—1 week
Huntly power station, consultancy & Management of boiler decom—2 weeks
Department of Conservation, Waiheke Island Stoney Batter Gun Emplacements asbestos removal – 3 weeks.
2007—Middlemore Hospital amosite contamination of tunnels
James Hardy plant Penrose, removal of contaminated silt – 4 weeks
Thames Hospital friable asbestos pipe lagging removal – 4 months
Auckland Regional Council, House demolition and removal from ARC Park land – 3 weeks.

Schedule of Typical Asbestos Work Undertaken in the Philippines.

1999	
PLDT RCB Bldg Ceiling and Walls Asbestos Remediation	Makati City
2001	
Philips Electrical Lamps, Inc. Asbestos Roofing Disposal	Paranaque City
2002	
Colgate-Palmolive Phil. Asbestos Dismantling and Disposal	Makati City
2003	
Central Bank of the Philippines Asbestos Dismantling & Disposal	Manila
Pilipinas Shell Refinery Asbestos Dismantling & Disposal	Tabangao

Mirant Philippines Boiler/Pipe Insulations Removal	Toledo City
Coats Manila Bay Asbestos Removal and Disposal	Marikina City
Philippine National Bank (PNB) Asbestos Bulk Sampling & Air Monitoring	Makati City
2004	
Mandarin Oriental Manila Bulk Sampling & Analysis	Makati City
Holcim Philippines Asbestos Audit & Inspection	Luzon/Mindanao
2005	
Petron Oil Depot Asbestos Dismantling & Disposal	Pandacan, Manila
Holcim Cement Corp. Asbestos Dismantling and Disposal	Mindanao
Dusit Hotel Nikko thru Phil. Sundt Construction	Makati City
2006	
Pilipinas Shell Legaspi Asbestos Dismantling & Disposal	Legaspi City
Texas Instruments Asbestos Remediation	Baguio City
2007	
Forest Management Bureau Asbestos Dismantling & Disposal	Quezon City
Petron Oil Depot Asbestos Dismantling & Disposal	Pandacan, Manila
Unilever Philippines Asbestos Dismantling & Disposal	UN Avenue, Manila
Pneumatic Equipment Corp. Asbestos Dismantling & Disposal	Paranaque City
Purefoods Corp. Industrial Asbestos Pipes Dismantling & Disposal	Marakina City
First Balfour Philippines Asbestos Dismantling & Disposal	Manila
2008	
Central Bank of the Philippines Asbestos Dismantling & Disposal	Manila