

AU122283 L1 SSD10447 Remondis Tomago Notification to DPE 28Apr23

28 April 2023

Department of Planning and Environment

Via Project Portal

Dear Sir/Madam,

Re: Independent Environmental Audit, SSD10447, Remondis Tomago Resource Recovery Facility 21D and 21F School Drive, Tomago NSW 2322

Geosyntec Consultants Pty Ltd (Geosyntec) has been engaged by Remondis Australia Pty Ltd (Remondis) to conduct an operational Independent Environmental Audit project for Tomago Resource Recovery Facility 21D and 21F School Drive, Tomago NSW 2322 ('the site'). The site is listed as Lot 8 and 11 DP 270328 and Part Lot 301 DP 634536 ¹.

The Independent Environmental Audit is conducted to meet Conditions C16 and C17 of SSD 10447 approval (12 October 2021), which state:

- Within one year of the commencement of operation of the development, and every three years after, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (Audit) of the development. Audits must:
- C16
- a. be prepared in accordance with the Independent Audit Post Approval Requirements (Department 2020)
 - b. be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Planning Secretary; and
 - c. be submitted to the satisfaction of the Planning Secretary within three months of commissioning the Audit (or within another timeframe agreed by the Planning Secretary).

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- In accordance with the specific requirements in the Independent Audit Post Approval Requirements (Department 2020), the Applicant must:
- C17
- a. review and respond to each Independent Audit Report prepared under condition C16 of this consent;
 - b. submit the response to the Planning Secretary and any other NSW agency that requests it, together with a timetable for the implementation of the recommendations;
 - c. implement the recommendations to the satisfaction of the Planning Secretary; and
 - d. make each Independent Audit Report and response to it publicly available no later than 60 days after submission to the Planning Secretary and notify the Planning Secretary in writing at least 7 days before this is done.

The Independent Environmental Audit will be conducted in accordance with the NSW Government Independent Audit Post Approval May (June 2020) (IAPAR 2020).

The proposed audit team includes Cheryl Halim as Lead Auditor, Rebeka Hall as alternate Lead Auditor assisted by Fiona Wong and Cissillia Young as Support Auditors. Qualifications are

¹ This Lot and DP is based on the SSD 10447 conditions of consent.

included as Attachment A to this letter and the completed declaration form in accordance with IAPAR 2020 is provided in Attachment B.

The lead environmental auditor and auditor/technical specialists have completed a significant number of environmental site assessments, environmental management, and site audits on similar sites as identified in Attachment A.

Should you have any queries or wish to discuss any points, please do not hesitate to contact the undersigned.

Yours sincerely,



Cheryl Halim
Independent Environmental Auditor/
Exemplar Global AU (ISO 19011:2018)
(No. 11280933-7383767)
Geosyntec Consultants Pty Ltd

Attachments: Attachment A – CVs
Attachment B – Declaration

Attachment A – CVs



PROFESSIONAL SUMMARY

Cheryl has over seventeen years' experience in environmental assessment, remediation and management and has conducted contaminated land site audits in New South Wales, Western Australia, Australian Capital Territory, and South Australia. Cheryl's postgraduate qualification in chemical engineering and waste provide specialist skills in assessing for environmental and waste compliance. Cheryl is a NSW EPA accredited site auditor and an Exemplar Global Auditor and has conducted several independent environmental audits in accordance with NSW Government (2018 & 2020) Independent Environmental Audit Post Approval Requirements.

Cheryl has recently been involved in providing advice for WA Department of Water and Environmental Regulation and NSW Department of Health. Cheryl has conducted health risk assessments for a variety of projects including service stations, colliery, and for the NSW Department of Health.

QUALIFICATIONS

B.E. (Hons), Chemical Engineering, University of New South Wales

PhD, Chemical Engineering, University of New South Wales

Accredited Contaminated Site Auditor, NSW EPA (No. 2201)

Exemplar Global AU & TL (ISO 19011:2018) (Cert. No. 11280933-7383767)

SPECIALTIES

Site Investigations, Remediation and Validation

Project Management

Risk Assessment

Contaminated Land Site Audits

Independent Environmental Audits

Landfill, Waste

Environmental Management Plans

Due Diligence

Specialist Advice

MEMBERSHIPS AND TRAINING

- Asbestos Interest Group Committee, Australasian Land & Groundwater Association (ALGA)
- Principles of Risk Assessment and Management, South Australian Centre for Public Health, 2008
- ALGA A-Z Ground Gas Workshop, 2016
- Occupational Health & Safety (OHS) General Induction, WorkCover NSW, 2006
- 48 Hour OHS Training and 8 Hour Occupational Safety & Health Administration Refresher Training, Coffey Environments, 2007
- Track Safety Induction, Southern Cross Rail, 2006
- Electrical Awareness Training, Southern Cross Rail, 2006
- OHS Consultation, WorkCover NSW, 2005

KEY PROJECT EXPERIENCE

Independent Environmental Audits

Rumba Lara development, Gosford, NSW – Lead Auditor for the construction of Rumba Lara residential development (required as part of SSD 10321).

Roseville College, Roseville – Lead Auditor for the construction phase of the Roseville College (required as part of SSD 9912).

Vopak Site B4A – Auditor for the construction and operational phase of the Vopak Site B4A bulk liquid storage (required as part of SSD 7000).

Holt Land Rehabilitation Centre – Auditor for the operational phase of the landfill operation (voluntary audit).

Brewery Yard, Chippendale – Auditor for the operational phase of the former Brewery Yard building for commercial use (required as part of SSD 9374).

UNSW Cliffbrook Stage 1 Heritage-Listed Building Refurbishment – Lead Auditor for the construction phase of the UNSW Cliffbrook Stage 1 development (required as part of SSD 8126).

UNSW Cliffbrook Stage 1 Heritage-Listed Building Refurbishment – Lead Auditor for the construction phase of the UNSW Cliffbrook Stage 1 development (required as part of SSD 8126).

Western Sydney University, Bankstown, NSW – Auditor for the construction of Western Sydney University (required as part of SSD 9831).

Iglu Redfern 2, Redfern, NSW – Auditor for the construction of Iglu Redfern 2 (required as part of SSD 9275).

Cranbrook School, Bellevue Hill, NSW – Lead Auditor and waste specialist for the construction of Cranbrook School (required as part of SSD 8812).

Sydney Zoo, Bungarribee, NSW – Auditor and waste specialist for the construction and operation of Sydney Zoo (required as part of SSD 7228).

Western Sydney University, Parramatta, NSW - Auditor for the construction of Western Sydney University (required as part of SSD 9670).

Audit

Audit assistant for over 100 statutory and non-statutory audits under the NSW CLM Act 1997 and other states. General scope of work included review of environmental assessment reports, environmental compliance during remediation, waste compliance, preparation of site audit reports.

The Shore School, North Sydney, NSW – Audit assistance on the redevelopment of the Shore School (required as part of SSD).

Ferrovial York Joint Venture Warringah Road Expansion – Audit assistance for the Warringah Road expansion, which is required by state significant infrastructure (SSI) conditions.

Cumberland Council, Pemulwuy – Audit assistance for the proposed commercial/industrial development at Council land at Pemulwuy.

Thirdl Group, 31-41 William Street, Alexandria – Audit assistance for the development of a high density residential building with basement carpark.

Bathla Group, Schofields, NSW – Audit assistance on the proposed low density residential land subdivision at Schofields.

Stockland, Marsden Park, NSW – Audit assistance on the proposed low density residential land subdivision at Marsden Park.

Meriton, Lidcombe, NSW – Audit assistance on the proposed high density residential apartments in staged process.

EG Funds, Summer Hill, NSW – Audit assistance on the proposed high density residential apartments and open space landuses in staged process.

Endeavour Energy, Harris Park, NSW – Audit assistance on the proposed low density residential land.

Meriton Group, 330 Church Street, Parramatta, NSW – Audit assistance on the proposed open space landuse.

Thirdl Group & Milligan Group, 830-838 Elizabeth Street, Waterloo, NSW – Audit Assistance on the proposed high density residential property.

The ACT Government, Capital Metro Project, Canberra, ACT – Audit assistance on the proposed light rail route from Civic to Gungahlin.

Viva Energy Australia, Coles Express Service Station, 194 Pacific Highway – Audit assistance on the site audit of a Coles Express Service Station, where petroleum hydrocarbon impact has migrated offsite to an adjacent residential apartment.

Parklane Group, 63-85 Victoria Street, Beaconsfield, NSW – Audit assistance on the proposed residential development at Beaconsfield.

XR Property Developments, 146-156 Botany Road, Alexandria, NSW – Audit assistance on the proposed residential development at Alexandria. The site has been notified to the EPA due to the offsite migration of petroleum hydrocarbon.

Central Coast Automotive, Gosford, NSW – Audit assistance on a large parcel of land, comprising former service station, former vehicle maintenance, former carwash buildings.

Ceedive, Former Lithgow Pottery Estate, NSW – Audit assistance on a former pottery estate site at Lithgow.

Forbes City Council, Former Forbes Gasworks, NSW – Audit assistance on a former Forbes Gasworks.

Gunnedah Council, Gunnedah Airport, NSW – Audit assistance on a former pesticide spraying facility, Gunnedah Airport, Gunnedah.

Risk Assessment

Dahua, Waterloo, NSW – Review of human health risk assessment report for the proposed high density residential and open space landuse development for impact from offsite dry cleaning facility. The review was conducted as part of a site audit.

PDS Group, Pyrmont, NSW – Review of human health risk assessment report for the proposed high density residential and commercial development for impact from historical Council depot. The review was conducted as part of a site audit.

VIG Group, Pagewood – Review of human health risk assessment reports and development of site-specific screening level for the proposed low density and high density residential, open space and commercial/industrial development. The review was conducted as part of a site audit.

Thirdl Group, Alexandria, NSW – Review of human health risk assessment report for the proposed high density residential and commercial development. The review was conducted as part of a site audit.

Penrith City Council, Penrith, NSW – Review of human health risk assessment report for the proposed park and high density residential development. The review was conducted as part of a site audit.

McNally Management, Alexandria, NSW – Review of human health risk assessment for a high density residential apartment. The review was conducted as part of a site audit.

Various Caltex and Mobil Service Stations – Health risk assessment of potential soil, groundwater and soil vapour impact at former Caltex and Mobil service stations.

Boral Limited, Confidential site – Health risk assessment of the potential risk of water from colliery used by mine workers and nearby village residents.

NSW Department of Health – Onsite health risk assessment of potential risk of groundwater contamination in a slab-on-ground building of a former ambulance station.

Caltex Refinery, Kurnell, NSW – Qualitative risk assessment studies of the processes and the current status of soil and groundwater contamination at Caltex Refinery, Kurnell.

Site Assessment and Remediation

City of Sydney Council, Federal Park, Annandale, NSW – Detailed site investigation, remediation and validation of Federal Park, Annandale. The contamination identified included PAHs and asbestos. Remediation comprised capping of impacted material beneath validated material over the entire site. The site is subject to a long term environmental management plan.

UrbanGrowth NSW, North Eveleigh West and South Eveleigh, NSW – Site investigation at the North Eveleigh West (approximately 3ha) and South Eveleigh (approximately 4.8ha) proposed residential development, which is a major development project in Sydney. Scope of work included project management, review of historical records and investigation reports, preparation of sampling plan for a detailed site investigation, preparation of investigation reports, preparation of remedial action plans (RAPs), liaison with Urban Growth NSW, site auditor, design team and other stakeholders.

NSW Ports, Intermodal Terminal Centre at Enfield, NSW – Validation of the Intermodal Terminal Centre at Enfield (ILC @ Enfield). Various contamination (including asbestos, petroleum hydrocarbon, etc.) was present at the site. The scope of work included review of significant number of available reports and documents provided by NSW Ports and contractors, preparation of validation reports, liaison with contractors and site auditor. I have prepared all the validation reports for the site, which were approved by the site auditor, resulting in site auditor sign off.

PwC's Auditor Training

Certificate of Attainment

awarded to

Cheryl Halim

Becoming a Skilled Lead Auditor

Exemplar Global AU - Auditing Management Systems (ISO 19011:2018)

Exemplar Global TL - Lead Audit Teams (ISO 19011:2018)



Certificate No: 11280933-7383767

Course End Date: 26 Mar 2021

Certificate Issue Date: 27 Mar 2021



Tom Barham

Training Manager



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PROFESSIONAL SUMMARY

Rebeka Hall is a qualified Principal Environmental Scientist with specialisation in geology. Rebeka has over 25 years environmental consulting experience in a range of health, waste and pollution issues particularly the site assessment, remediation and auditing.

Rebeka is an NSW EPA Accredited Site Auditor and Exemplar Global Auditor ((ISO 19011:2018) (Cert. No. 7090818-5136510)). Areas of specialisation include independent peer review, environmental compliance & due diligence auditing, Phase 1 and II soil, water, soil vapour and groundwater investigations, design and implementation of remediation systems, water quality studies, groundwater studies including pumping tests, geological interpretations, land capability studies, environmental management plans and pollution and compliance monitoring.

QUALIFICATIONS

*B.Env.Sc., Geology,
University of Wollongong*

*Accredited Contaminated Site
Auditor, NSW EPA (No. 0802)*

*Exemplar Global AU & TL
(ISO 19011:2018) (Cert. No.
7090818-5136510)*

*CEnvP (Site Contamination
Specialist) (No. SC40913)*

SPECIALTIES

*Environmental Audits -
Statutory/Non-Statutory,
Compliance, Due Diligence*

Specialist Peer Review

*Environmental Management
Plans*

*Contaminated Site
Investigation*

*Site Remediation Feasibility
Design and Implementation*

Site Validation

Works Management

MEMBERSHIPS AND TRAINING

- Member, Australian Land and Groundwater Association (ALGA)
- Member, Environment Institute of Australia and New Zealand (EIANZ)
- Contaminant Transport Modelling ANSTO, University of Science & Technology, Sydney
- Risk Based Corrective Action (RBCA) for Chemical Releases, GS Inc.
- Mergers & Acquisition Auditing, ERM Group
- USEPA 40hr Occupational Health & Safety Training for Contaminated Sites
- WorkCover OHS General Induction for Construction Work in NSW (White Card)
- ALGA Hazardous Ground Gas Assessment and Mitigation
- CSARM Lecturer (at UTS) in Risk Assessment in the Audit Process

KEY PROJECT EXPERIENCE

Audit

Rebeka, as the Lead Auditor, has conducted more than 160 site statutory and non-statutory audits across in NSW and ACT. Audit works were conducted, where applicable, to meet local or state government planning approval conditions. Audits have been conducted in accordance with the requirements outlined by the NSW EPA Site Auditor Guidelines (2017); ACT Environmental Planning Policy (2009) or the NSW Government (June 2018) Independent Audit Post Approval Requirements (IEA). Selected Audit examples which include PFAS comprise the following:

The Beaches Link and Gore Hill Freeway Connection Project – Auditor for the construction of the project.

Western Sydney University, Bankstown, NSW – Auditor for the construction of Western Sydney University (required as part of SSD 9831).

Iglu Redfern 2, Redfern, NSW – Lead Auditor for the construction of Iglu Redfern 2 (SSD 9275).

Cranbrook School, Bellevue Hill, NSW – Lead Auditor for the construction of Cranbrook School (SSD 8812).

Western Sydney University, Parramatta, NSW – Lead Auditor for the construction of Western Sydney University (required as part of SSD 9670).

Vopak Terminals, Port Botany NSW – IEA For Terminal B1-B3 Port Botany (MP06-0089)

The Brewery, Chippendale, NSW – Auditor for the refurbishment of a heritage building (SSD 9374).

Brookvale Health Centre, NSW Health – State Significant Development (SSD). Statutory site audit following the remediation of former commercial/light industrial properties including a former service station. During the course of the audit USTs were removed, and continued groundwater investigation to delineate the extent of impact and risk evaluation.

Former Pharmaceutical site, Kurnell NSW (2017 and ongoing) – State Significant Development (SSD). Statutory audit for a 11ha property to endorse a remedial action plan and validation program to confirm the site is suitable for ongoing commercial use.

St Leonards Medical Centre, Ramsay Healthcare (2016-2018) – State Significant Development (SSD). Statutory site audit to confirm the former Mitsubishi vehicle maintenance facility was rendered suitable for medical commercial uses with basement car parking and open space.

North Shore Health Hub, St Leonards (2018 and ongoing) – SSD State Significant Development (SSD). Statutory site audit to confirm the commercial/industrial site was rendered suitable for proposed hospital expansion.

Alexandria Park Community School (APCS) (2018 and ongoing) – State Significant Development (SSD). Statutory site audit to confirm the site is suitable for proposed educational development (comprising childcare, primary, secondary school and community use).

Fairvale High School, DOE (2018-current) – State Significant Development. Statutory site audit to confirm the site is suitable for primary school use. Evaluating waste disposal, importation, environmental monitoring.

Proposed Catherine Field, East Leppington and Wagga Wagga Primary Schools – Specialist Audit for State Significant Developments.

Alex Avenue Schofields, DOE (2019, 6 months) – State Significant Development. Statutory site audit to confirm the former rural site is suitable for proposed primary school redevelopment.

Sydney University Expansion (Project Regiment) (2017, 18 months) – State Significant Development. Statutory site audit to confirm suitability of site for mixed use accommodation and training facility.

Waitara Public School Redevelopment, DOE (2017, 1 year) – State Significant Development. Statutory site audit for proposed primary school alterations and additions.

Parramatta Square Redevelopment (2015 and ongoing) – Site audit of Phase 3, 4, 5, 6, 7 and 8 of major mixed use precinct redevelopment.

Molonglo Valley 3, ACT Future Urban Release (2013 and ongoing) – multi stage site audit for 1145ha of former rural and forestry land. Historically the northern portion of the site was used for artillery live firing practices during 1914, 1920 and 1921. Molonglo Valley Stage 3 forms part of a major land release for residential expansion within the ACT. Due to the combined rural and historical military use at the site, the assessments completed required a combination of contamination as well as unexploded ordnance expertise. Site audit for site suitability and compliance to CEMP.

Former Bonshaw Naval Receiving Station HMAS Harmon ACT (2012, 18 months) – statutory audit to confirm the suitability of 210ha for broad acre use post demolition of receiving station, support facilities and antennae.

East Lake Redevelopment (Griffith, Kingston and Fyshwick ACT) (2012 - current) – 100ha of former rail and commercial/industrial land proposed for mixed use redevelopment.

Precinct 1-4 Elara residential release for Stockland (2013 – 2016) – multi stage statutory audit confirming the remediation of 200ha of rural residential agricultural and poultry farming land for mixed uses associated with a new residential suburb. Evaluation of waste disposal, importation, environmental controls and monitoring.

Green Square Urban Renewal Mixed Use Residential for Mirvac (2014-2017) – several sites requiring remediation and tank decommissioning works to enable the redevelopment for high rise residential, ground floor commercial and day care use.

Former Royal South Sydney Hospital Site NSW, City of Sydney Council (2012, 18 months) – multi staged audit to confirm site investigation, remediation and validation part of site for affordable housing, and endorsement of RAP for balance of site (proposed for community uses including day care centre).

Residential Release, former Summer Hill Flour Mill (2014-2018) – Four staged audit. Evaluation of site investigation and remediation works to confirm the former industrial manufacturing site has been remediated to a condition suitable for high rise residential with some commercial.



NSW Site Auditor Scheme

RENEWAL OF ACCREDITATION AS SITE AUDITOR UNDER CONTAMINATED LAND MANAGEMENT ACT 1997 (NSW)

Auditor: Ms Rebeka Hall **Accreditation No:** 0802
Accreditation Date: 17 December 2018 **Period of Accreditation:** Three (3) years

The Environment Protection Authority (EPA) advises that **Ms Rebeka Hall** (the auditor) has been granted accreditation under s.51 of the *Contaminated Land Management Act 1997* (the Act) as a site auditor for a period of **three (3) years** subject to the following conditions:

1. The auditor must maintain a good knowledge of NSW legislation relating to contaminated sites and environment protection in general, including the:
 - (a) Act and any regulation made under that Act;
 - (b) other environment protection legislation (as defined by the Protection of the Environment Administration Act 1991) administered by the EPA; and
 - (c) Environmental Planning and Assessment Act 1979, and regulations and relevant environmental planning instruments made under that Act.
2. The auditor must maintain a good understanding of guidelines made or approved by the EPA under s.105 of the Act.
3. The auditor must hold insurance cover which complies with the following requirements:
 - (a) the cover applies to the occupation of site auditor and the activities to be carried out as a site auditor accredited under the Act, and
 - (b) the policy is for not less than \$5,000,000 cover for any 12 month period.
4. Within 14 days of renewing the insurance cover held for the purposes of condition 3, the auditor must forward to the EPA written confirmation from the insurer that the cover is in force and complies with the requirements of condition 3.
5. The auditor must pay an accreditation fee of \$23,676 to the EPA within one month from the date of the tax invoice.

A handwritten signature in black ink, appearing to read 'Anthea White'.

12 December 2018

ANTHEA WHITE
A/Director Contaminated Land Management
Environment Protection Authority

Note

- The auditor must comply with the Act and any regulation made under the Act. This includes a requirement to provide an annual return as specified under s.53D of the Act.
- The auditor's accreditation expires at the end of the accreditation period unless renewed in accordance with the Act and Regulations. The *Contaminated Land Management Regulation 2013* provides that applications for renewal must be made between 30 and 60 days before expiry of the current accreditation period.
- The EPA may suspend or revoke the auditor's accreditation in accordance with s.56 of the Act.



*The Certified Environmental Practitioner Board
hereby attests that*

Rebeka Hall

*having fulfilled all the requirements of the Board
has been registered as a*


Certified Environmental Practitioner

with Registration Number

889

on the date

3rd of May 2017


Chairperson of the Board





*The Certified Environmental Practitioner Board
hereby attests that*

Rebeka Hall

*having fulfilled all the requirements of the Board
has been registered as a*

*Certified Environmental Practitioner
Contaminated Land Specialist*

with Registration Number

913

on the date

3rd of May 2017


Chairperson of the Board



PwC's Auditor Training

Certificate of Attainment

awarded to

Rebeka Hall

Becoming a Skilled Lead Auditor

Exemplar Global AU - Auditing Management Systems (ISO 19011:2018)

Exemplar Global TL - Lead Audit Teams (ISO 19011:2018)



Certificate No: 7090575-5136510

Course End Date: 21 Jun 2019

Certificate Issue Date: 27 Jun 2019



Tom Barham

Training Manager



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PROFESSIONAL SUMMARY

Cissillia has 7 years of experience working as an environmental consultant in Singapore and Australia. She has a Doctorate in Chemical Engineering. During her career as an environmental consultant, she managed budgets, data, contractors, and clients and has had experience in the petroleum sector, as well as site audits. Cissillia has been enriching her business and interpersonal skills by in data acquisition, validation, auditing and reporting. She is currently a member the Geosyntec Audit Team and is involved in site audits to meet Contaminated Land Management Act 1997 and Independent Environmental Audits to meet State Significant Development consent conditions.

QUALIFICATIONS

*Ph.D., Chemical Engineering,
University of New South
Wales, 2005*

*B.Eng., Chemical Engineering
(Hons), University of New
South, 2001*

SPECIALTIES

*Environmental liability
valuation*

*Site investigation and
characterisation*

*Compliance and Audit
Support*

KEY PROJECT EXPERIENCE

Independent Environmental Audits

Rumba Lara development, Gosford, NSW – Support Auditor for the construction of Rumba Lara residential development (required as part of SSD 10321).

Holt Kurnell, NSW – Support Auditor for the operation of a landfill facility at Kurnell.

Western Sydney University, Bankstown, NSW – Support Auditor for the construction of Western Sydney University (required as part of SSD 9831).

Roseville College – Auditor in training for the construction of Roseville College (required as part of SSD 9912).

The Brewery, Chippendale, NSW – Auditor in training for the refurbishment of a heritage building (required as part of SSD 9374).

Audits

Molonglo 132kV Relocation Project, Molonglo, ACT – Audit assistance on review of Contaminant Management Plans (CMPs) for transmission line upgrade works by Zinfra and Woden Contractors Pty Ltd (Wodens).

The Concord Hospital, Concord, NSW – Audit assistance on the redevelopment of the Concord Hospital.

City of Parramatta Square, Parramatta, NSW – Audit assistance on the redevelopment of Parramatta Square Town Hall.

Gamuda Australia, M12, NSW – Audit assistance on the construction of the Westmead Metro Station.

Environmental Assessments

CALTEX – Environmental assessments and project management, proposal and quotation, management and coordination of contractor, client, and government agencies, data analysis and report, permit application, regulatory compliance, and pollution control studies.

SHELL – Environmental assessments and project management, proposal and quotation, management and coordination of contractor, client, and government agencies, data analysis and report, permit application, regulatory compliance, and pollution control studies.

BOC Gases – Environmental assessments and project management, proposal and quotation, management and coordination of contractor, client, and government agencies, data analysis and report, permit application, regulatory compliance, and pollution control studies.

Abacus – Phase 1 Environmental Assessment, Croydon.

Abacus – Phase 1 Environmental Assessment, Leumeah.

Abacus – Phase 1 Environmental Assessment, Kirrawee.

CONFERENCES AND EXHIBITIONS

Hydrogen and Fuel Cell Fair (Hannover Fair), Germany

- Formulated and implemented strategies for good public relations.
- Support tradeshow ambassadors and VIP visitors during the fair.

1st World Hydrogen Technology Convention, Singapore

- Business to business marketing campaign and increased the net profit by 20%.
- Designed and planned exhibition floor (operational management).

PhD

- Design and conduct scientific experiments to understand the degradation of environmental pollutants from drycleaners using advanced oxidation technology (AOT).
- 3 Conferences and 2 scientific journal publications.



PROFESSIONAL SUMMARY

Fiona is an experienced Senior Environmental Engineer. In her 15-year career in the industry she has worked on a broad range of site assessment and remediation projects in Australia and the United Kingdom. Always keen to explore new solutions for clients, she has a flexible and proactive approach to problem solving. Fiona thrives on the challenge and diversity of her role.

Fiona has extensive experience in managing combined geotechnical and contaminated land projects, infrastructure and urban development projects, landfill investigations, remediation assessments and contaminated site audits.

MEMBERSHIPS AND TRAINING

- Member of Institute of Engineers Australia
- Member of Australian Land and Groundwater Association (Committee Member 2014-2015)
- WorkCover OHS General Induction for Construction Work in NSW (White Card)
- Senior First Aid
- ACLCA NSW Short Course on Landfill Gas Investigation (November 2012)
- ALGA A-Z Ground Gas Workshop (March 2017)

QUALIFICATIONS

*B.E. (Hons), Environmental,
University of New South
Wales*

*Master of Environmental
Management, University of
New South Wales*

SPECIALTIES

Project Management

Site Investigation

Remediation and Validation

Contaminated Land Auditing

*Landfill Investigations and
Remediation*

*Hazardous Gas Investigation,
Risk Assessment and
Remediation*

Sediment Assessment

KEY PROJECT EXPERIENCE

Audits

New Breeze Stages 2 and 3 Development, Bardia: Statutory site audit of assessment, remediation and validation works undertaken at the former Ingleburn Defence Site where infantry training camps for World War II were constructed. Other defence related activities including artillery, engineers, transport, signals, medical and ordnance corps also used the IDS during this period. The majority of the activities within the IDS ceased before 2000. Due to the historical military use at the site, the assessments completed required a combination of contamination (including PFAS assessment) as well as unexploded ordnance expertise. The end use for the site following remediation is low density residential development and recreational open space. The scope of audit involved assessment of the adequacy of the Remediation Action Plans (RAP), Unexploded Ordnance Clearance (UXO), Imported Fill Protocol (IFP), Unexpected Finds Clearance Report and Validation reports for each completed earthworks zone. Various stakeholder engagement was required during this Audit, including project manager, environmental consultants, UXO consultants and civil contractors.

Industrial Waste Recycling and Treatment Facility, Western Sydney: Statutory site audit of investigation works at a waste recycling and treatment facility in western Sydney, of which the site has been declared to be a significantly contaminated land under the CLM Act. The site has been operating as a waste treatment facility and solvent recycling operation under an Environment Protection Licence issued by NSW EPA for at least 30 years. Whilst solvent treatment is the main operation at the site, PFAS is also being identified as a contaminant of concern in the underlying groundwater system in parts of the site. The scope of audit involved assessment of adequacy of sampling and analysis plan, investigation and delineation assessment, remedial option assessment and remedial action plan. The audit was required to fulfil the requirement of a voluntary management proposal.

Former Sydney Water Waterloo Depot, Waterloo: Providing audit assistance on a statutory audit of data gap investigation and remediation action plan evaluation for the former Sydney Water Waterloo Depot which is affected by the groundwater contamination originated from the adjacent Lawrence Dry Cleaning facility. The dry cleaning facility, together with the site and other adjoining properties, were declared as a remediation site by the NSW EPA which is managed under a Management Order. The main scope of the audit is to assess the implication of the groundwater contamination for the proposed high density residential development.

North Shore Health Hub, St Leonards: Statutory audit of contamination assessment and remediation works conducted at a former warehouse facility located within the St Leonards industrial area as required under a State Significant Development consent. Preferred remediation approach included a combination of asbestos fill capping and offsite disposal, with the capped area be managed with a long term environmental management plan. The health hub will form part of the North Shore Private Hospital precinct.

Woolworths Tuggeranong Service Station, Canberra: Statutory audit of contamination assessment and remediation works conducted at an operational service station located in Tuggeranong, Canberra ACT. The site has been listed on the ACT Register of Contaminated Sites as a result of the groundwater contamination being identified at the site. The scope of the audit involved assessment of adequacy of data gap investigation, soil validation report for the retanking program, delineation assessment, remediation action plan and groundwater modelling.

Penrith Central Park development, Penrith: Non-statutory audit of contamination assessment and remediation action plan conducted at the proposed Penrith Central Park development. A former dry cleaner was operated within the site where chlorinated hydrocarbon groundwater contamination has been identified.

Proposed primary school developments, Sydney metropolitan area: Non-statutory and statutory audits of contamination assessment conducted at three new or existing school sites in Schofields, Jordan Springs and Waitara. The scope of the audits involved review of contamination reports and waste documentation as required under planning approvals.

Former Ettamogah Army Depot, Ettamogah: Non-statutory audit of contamination assessment and remediation works conducted at the former army depot located at Ettamogah, north of Albury that is proposed for redevelopment. The site covers an area of about 110Ha and has been ammunitions depot from 1940s to 1980s. There is evidence of widespread disposal of explosive ordnance wastes by burial, potentially including UXO. This scope of the audit included the assessment of implications of contamination (both chemical and UXO) for all potential future beneficial uses; including where appropriate outlining the implications of particular contamination issues on site suitability for the range of land uses under consideration.

Eastern Industrial Estate, Fyshwick: Statutory site audit of the former Canberra Abattoir site. The site was broken into sectors for staged development and audit. The audits were required as part of planning approvals for proposed commercial/industrial redevelopment of the site.

Due Diligence Assessment

Former Industrial Property, Newcastle Area: Managed a soil and groundwater assessment for a property currently regulated by the NSW EPA under a Voluntary Investigation Proposal. Currently coordinating a data gap investigation to facilitate the formulation of remedial action plan following the completion of property transaction. Duties included preparation of sampling and analysis plan and contamination assessment.

Multiple Sites, Western Sydney Parklands Trust, Western Sydney: Conducted Preliminary Site Investigations on multiple sites across the Western Sydney area as part of divestment program.

Multiple Sites, TAFE NSW: Conducted Preliminary Site Investigations on multiple sites across NSW as part of pre-acquisition or divestment programs.

Multiple Sites, Roads and Maritime Services, Sydney: Conducted preliminary site investigations for various commercial and industrial properties within the Sydney Metropolitan Areas for due diligence purposes.

Former Pump Manufacturing Facility, Northern Beach Area: Managed a due diligence contamination assessment for a pump manufacturing facility as part of property transaction process.

Various Multinational Petroleum Companies, Multiple Sites, NSW: Undertook environmental site assessments and validation assessments for over 80 petroleum service stations, depots and fuel terminals across NSW as part of site divestment programs.

Attachment B – Declaration

Independent Audit Declaration Form

Project Name	Remondis Tomago Resource Recovery
Consent Number	SSD 10447
Description of Project	Operation of Resource Recovery Facility. Site is to process up to 98,201 tonnes per annum of solid and liquid waste from municipal, commercial, industrial and construction sources for reuse and recycling
Project Address	21D and 21F School Drive, Tomago NSW 2322
Proponent	Remondis Australia Pty Ltd
Title of Audit	Independent Environmental Audit of the Remondis Tomago Resource Recovery
Date	28 April 2023

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- the audit has been undertaken in accordance with relevant condition(s) of consent and the *Independent Audit Post Approval Requirements (Department 2020)*;
- the findings of the audit are reported truthfully, accurately and completely;
- I have exercised due diligence and professional judgement in conducting the audit;
- I have acted professionally, objectively and in an unbiased manner;
- I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child;
- I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both).

Name of Lead Auditor (Alternate) Rebeka Hall



Signature 

- Qualifications
- Exemplar Global AU (ISO 19011:2018) (No. 7090575-5136510)
 - NSW EPA Accredited Site Auditor (under Contaminated Land Management Act) (No. 0802)
 - Certified Environmental Practitioner (General) EIANZ (No. 889)
 - Certified Environmental Practitioner (Site Contamination Specialist) EIANZ (No. SC40913)
 - BEnvSc (Hons) (Geology)

Name of Lead Auditor Cheryl Halim

Signature 

- Qualifications
- Exemplar Global AU (ISO 19011:2018) (No. 11280933-7383767)

	<ul style="list-style-type: none"> • NSW EPA Accredited Site Auditor (under Contaminated Land Management Act) (No. 2201) • BE (Chemical) • PhD (Chemical Engineering)
Name of Support Auditor	Cissillia Young
Signature	
Qualifications	<ul style="list-style-type: none"> • BE (Chemical) • PhD (Chemical Engineering)
Name of Support Auditor	Fiona Wong
Signature	
Qualifications	<ul style="list-style-type: none"> • B.E. (Hons), Environmental, University of New South Wales • Master of Environmental Management, University of New South Wales
Company	Geosyntec Consultants Pty Ltd