

FORENSIC 706 Environmental Forensic Science

[View Online](#)

About the National Environmental Standards for Air Quality | Ministry for the Environment. (n.d.).
<https://environment.govt.nz/acts-and-regulations/regulations/national-environmental-standards-for-air-quality/#what-they-cover>

Agenda 21 (Rio). (n.d.).
<https://sustainabledevelopment.un.org/content/documents/Agenda21.pdf>

Albaigés, J., Kienhuis, P. G. M., & Dahlmann, G. (2014). Oil Spill Identification [Electronic resource]. In M. F. Fingas (Ed.), Handbook of oil spill science and technology (pp. 165–204). John Wiley & Sons. <https://doi.org/10.1002/9781118989982.ch6>

An everyday guide: Getting in on the Act | Ministry for the Environment. (n.d.).
<https://environment.govt.nz/publications/understanding-the-rma-and-how-to-get-involved/>

Assigning a product to a HSNO approval. (n.d.).
<http://www.epa.govt.nz/publications/hsnogen-gs-assigning.pdf>

Auckland Council v Jenners Worldwide Freight Ltd. (2016). Criminal justiceSentencingEnvironment and Natural resourcesPollutionResource managementOffences and penaltiesDischargeContaminants.
[https://anzlaw.thomsonreuters.com/Document/I38b889617ead11e8b22785ae5ff38a3b/View/FullText.html?transitionType=Default&contextData=\(sc.Default\)&VR=3.0&p;RS=cb1t1.0&groupid=aucklandacnz](https://anzlaw.thomsonreuters.com/Document/I38b889617ead11e8b22785ae5ff38a3b/View/FullText.html?transitionType=Default&contextData=(sc.Default)&VR=3.0&p;RS=cb1t1.0&groupid=aucklandacnz)

Auckland Regional Council v Gubbs Motors Ltd, Criminal justiceSentencingInsuranceTypesProfessional indemnityResource managementOffences and penaltiesDischargeContaminants ____ (2016).
[https://anzlaw.thomsonreuters.com/Document/I65b180d37ea711e8b22785ae5ff38a3b/View/FullText.html?transitionType=Default&contextData=\(sc.Default\)&VR=3.0&p;RS=cb1t1.0&groupid=aucklandacnz](https://anzlaw.thomsonreuters.com/Document/I65b180d37ea711e8b22785ae5ff38a3b/View/FullText.html?transitionType=Default&contextData=(sc.Default)&VR=3.0&p;RS=cb1t1.0&groupid=aucklandacnz)

Auckland Regional Plan: Air, Land and Water 2001. (n.d.).
<https://www.aucklandcouncil.govt.nz/plans-projects-policies-reports-bylaws/our-plans-strategies/district-and-regional-plans/regional-plans/regional-plan-air-land-water/Pages/default.aspx>

Auckland Regional Plan: Air, Land and Water - later useful sections. (n.d.).
<https://www.aucklandcouncil.govt.nz/plans-projects-policies-reports-bylaws/our-plans-strategies/district-and-regional-plans/regional-plans/Pages/default.aspx>

Auckland Regional Policy Statement. (n.d.).

<https://www.aucklandcouncil.govt.nz/plans-projects-policies-reports-bylaws/our-plans-strategies/district-and-regional-plans/regional-plans/regional-policy-statement/Pages/regional-policy-statement-text.aspx>

Auckland Regional Policy Statement Ch 17 - Contaminated sites. (n.d.).

<http://www.aucklandcity.govt.nz/council/documents/regionalplans/aucklandcouncilregionalpolicystatement/ACRPS%20Chapter%2017.pdf>

Basic Investigative Skills for Local Government. (n.d.).

<https://www.waikatoregion.govt.nz/assets/PageFiles/35153-basic-investigative-skills/5921-BIS-manual-2018WR.pdf>

Building Act 2004, 2004 No 72.

<http://www.legislation.govt.nz/act/public/2004/0072/latest/whole.html>

Chemical Classification and Information Database (CCID). (n.d.). corporatename = Environment Risk Management Authority New Zealand.

<https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/>

City of Auckland District Plan - 7.7.2 permitted activities. (n.d.).

<http://www.aucklandcity.govt.nz/council/documents/district/Part07b.pdf>

City of Auckland District Plan - Activities in residential areas. (n.d.).

<http://www.aucklandcity.govt.nz/council/documents/district/Part07a.pdf>

City of Auckland District Plan 7.8 Rules: Development controls. (n.d.).

<http://www.aucklandcity.govt.nz/council/documents/district/Part07c.pdf>

City of Auckland District Plan Isthmus section Part 13 - Interpretations and definitions.

(n.d.). <http://www.aucklandcity.govt.nz/council/documents/district/Part13a.pdf>

D Grinlinton. (2013). Environmental law for a sustainable society - Ch 2 p 33: Vol. New Zealand Centre for Environmental Law monograph series (K. Bosselmann, D. P. Grinlinton, & P. Taylor, Eds.; Second edition). New Zealand Centre for Environmental Law.

Daughton, C. G. (2011). Illicit Drugs: Contaminants in the Environment and Utility in Forensic Epidemiology [Electronic resource]. In Reviews of environmental contamination and toxicology: Volume 210 (pp. 59-110). Springer.

https://doi.org/10.1007/978-1-4419-7615-4_3

de Mora, S. K., & Phillips, D. R. (1997). Tributyltin (TBT) pollution in riverine sediments following a spill from a timber treatment facility in Henderson, New Zealand.

Environmental Technology, 18(12), 1187-1193.

<https://doi.org/10.1080/09593331808616639>

Einax, J., Zwanziger, H. W., & Geiss, S. (1997). Chemometrics in environmental analysis - Figure 4-1. VCH Verlagsgesellschaft.

Emissions Trading Scheme: New Zealand climate change information. (n.d.).

<https://www.mfe.govt.nz/ets>

Energy Efficiency and Conservation Act 2000.

<http://www.legislation.govt.nz/act/public/2000/0014/latest/DLM54948.html>

Environment Court Practice Note 2014. (n.d.).

<https://www.nzbar.org.nz/news/new-environment-court-practice-note-2014-effective-1-december-2014>

Environment Guide - District Plans. (n.d.).

<http://www.environmentguide.org.nz/rma/planning-documents-and-processes/district-plans/>

Environmental Forensics - 2. Microbial Techniques for Environmental Forensics - Knovel. (n.d.).

https://app.knovel.com/web/view/pdf/show.v/rcid:kpEF000001/cid:kt007Q8RA8/viewerType:pdf/root_slug:environmental-forensics/url_slug:microbial-techniques?cid=kt007Q8RA8&b-toc-cid=kpEF000001&b-toc-root-slug=environmental-forensics&b-toc-url-slug=microbial-techniques&b-toc-title=Environmental%20Forensics

Environmental Impact study - Tauranga oil spill. (n.d.).

<https://www.boprc.govt.nz/media/509093/mobil-oil-spill-tauranga-harbour-environmental-impact-assessment-to-september-2015.pdf>

Environmental Protection Authority Act 2011. (n.d.).

<http://www.legislation.govt.nz/act/public/2011/0014/latest/DLM3366819.html>

Environmental Protection Authority Bill - first version Explanatory note.

<http://www.legislation.govt.nz/bill/government/2010/0246/11.0/DLM3366801.html>

EPA Voluntary Guidelines for Methamphetamine Laboratory Cleanup. (n.d.).

https://www.epa.gov/sites/production/files/documents/meth_lab_guidelines.pdf

Exide Pollution Action Group Inc v Wellington Regional Council - [2006] NZRMA 293, New Zealand Resource Management Appeals ____ (2006).

<https://advance.lexis.com/api/permalink/e79e6868-00b3-4cbd-9d9c-1fe25bdb7db7/?context=1230042&federationidp=TZRTHJ54655>

Fifield, F. W., & Haines, P. J. (1995). Environmental analytical chemistry section 15.4. Blackie Academic & Professional.

Form for submission on a resource consent application. (n.d.).

<http://www.aucklandcouncil.govt.nz/EN/ratesbuildingproperty/consents/Consent%20documents/submissionform.pdf>

Forret, J. (1998). Scientific Evidence and Environmental Litigation in New Zealand. New Zealand Journal of Environmental Law, 2, 39-62.

http://www.heinonline.org.ezproxy.auckland.ac.nz/HOL/Page?handle=hein.journals/nzjel2&start_page=39&id=49

Great Britain. Ministry of Transport. (1963). Traffic in towns: a study of the long term problems of traffic in urban areas. Reports of the steering group and working group appointed by the Minister of Transport. H.M.S.O.

Harrison, R. M. & Royal Society of Chemistry (Great Britain). (1999). Land contamination and reclamation Chapter [Electronic resource]. In Understanding our environment: an introduction to environmental chemistry and pollution (3rd ed). Royal Society of Chemistry.
http://ap01.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=10253276540002091&institutionId=2091&customerId=2090

Hazardous Substances and New Organisms Act 1996, 1996 No 30.
<http://www.legislation.govt.nz/act/public/1996/0030/latest/DLM381222.html>

Health and Environmental Guidelines for Selected Timber Treatment Chemicals - Chapter 3. (n.d.). <https://www.mfe.govt.nz/sites/default/files/timber-guide-jun97.pdf#page=79>

Hewitt, C. N. (1992). Methods of Environmental Data Analysis [Electronic resource]. Springer Netherlands. https://doi.org/10.1007/978-94-011-2920-6_7

Howard, E., Osborn, F. J., & Mumford, L. (1946). Garden cities of tomorrow. Faber.

IHS Standards Expert - ASTM D5739. (n.d.).
<http://specs4.ihserc.com.ezproxy.auckland.ac.nz/Document/Document/Details?docid=WSAACFAAAAAAAAAA>

Introduction to the HSNO Act. (n.d.).
<https://www.mfe.govt.nz/sites/default/files/intro-to-hsno-act-jul01.pdf>

Introduction to the RMA. (n.d.). <http://www.environmentguide.org.nz/rma/>

Keith, L. H. (1990). Environmental sampling: A summary. Environmental Science & Technology, 24(5), 610-617. <https://doi.org/10.1021/es00075a003>

Machinery Movers Ltd v Auckland Regional Council - [1994] 1 NZLR 492, 1 New Zealand Law Reports ____ (1994).
<https://advance.lexis.com/api/permalink/7ee8aa06-acef-48c1-8ca6-bafc927565db/?context=1230042&federationidp=TZRTHJ54655>

Machinery Movers Ltd v Auckland Regional Council [1994] 1 NZLR 492, 1 New Zealand Law Reports ____ (1994).
<https://advance.lexis.com/api/permalink/7ee8aa06-acef-48c1-8ca6-bafc927565db/?context=1230042&federationidp=TZRTHJ54655>

Major oil spills around New Zealand - Maritime New Zealand. (n.d.).
<http://www.maritimenz.govt.nz/Environmental/Responding-to-spills-and-pollution/Past-spill-responses/Past-spill-responses.asp>

Making decisions in the face of uncertainty. (n.d.).
http://www.pmcsa.org.nz/wp-content/uploads/PMCSA-Risk-Series-Paper-1_final_11May2016.pdf/

Manawatu-Wanganui Regional Council v Ruapehu Alpine Lifts Ltd - [2015] DCR 55, (2015).
<https://advance.lexis.com/api/permalink/4650203b-20ae-482a-be7a-50f03399045c/?context=1230042&federationidp=TZRTHJ54655>

Map of regional, territorial and unitary council boundaries - North Island. (n.d.).

<http://www.lgnz.co.nz/assets/North-Island-PNG.PNG>

Map of regional, territorial and unitary councils in South Island. (n.d.).

<http://www.lgnz.co.nz/assets/South-Island-PNG.PNG>

Maritime NZ Response to an oil spill - showing response stages. (n.d.).

<http://www.maritimenz.govt.nz/Publications-and-forms/Environmental-protection/Responding-to-an-oil-spill.pdf>

Marr v Bay of Plenty Regional Council - [2011] NZRMA 89, New Zealand Resource Management Appeals ____ (2011).

<https://advance.lexis.com/api/permalink/11850afd-6faa-417b-abf4-6e4d35dbc07e/?context=1230042∓federationidp=TZRTHJ54655>

Microbial Source Tracking Guide Document. (n.d.).

<http://nepis.epa.gov/Exe/ZyNET.exe/2000D20V.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2000+Thru+2005&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C00thru05%5CTxt%5C00000009%5C2000D20V.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p%7Cf&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL#>

Ministry of Health Guidelines for Remediation of Clandestine Methamphetamine Laboratories. (n.d.).

[https://www.moh.govt.nz/notebook/nbbooks.nsf/0/97DCB4331641B346CC2577AB000515FC/\\$file/guidelines-remediation-clandestine-meth-lab-sites.pdf](https://www.moh.govt.nz/notebook/nbbooks.nsf/0/97DCB4331641B346CC2577AB000515FC/$file/guidelines-remediation-clandestine-meth-lab-sites.pdf)

National Marine Oil Spill Contingency Plan Chapter 10 - Evidence collection and cost recovery. (n.d.).

<http://www.maritimenz.govt.nz/Publications-and-forms/Environmental-protection/National-plan/National-Plan-Chapter-10.pdf>

National Policy Statement for Freshwater Management 2014 | Ministry for the Environment. (n.d.).

<http://www.mfe.govt.nz/publications/fresh-water/national-policy-statement-freshwater-management-2014>

New Zealand Centre for Environmental Law. (2013). Environmental law for a sustainable society: Vol. New Zealand Centre for Environmental Law monograph series (K. Bosselmann, D. P. Grinlinton, & P. Taylor, Eds.; Second edition). New Zealand Centre for Environmental Law.

New Zealand Institute of Chemistry. (n.d.). Chemistry in New Zealand.

<http://www.nzic.org.nz/CiNZ/CiNZ.html>

Oil Spill Identification | Bonn Agreement. (n.d.).

<http://www.bonnagreement.org/osinet/oil-spill-identification>

P Lab Testing - Forensic and Industrial ScienceForensic and Industrial Science Ltd. (n.d.).
<http://www.forensicscience.co.nz/p-lab-testing/>

Pietras, J. (2014). Bisphenol A: A Critique of the Law's Failure to Protect the Public from Toxic Exposure. *New Zealand Journal of Environmental Law*, 18, 41-68.
http://www.heinonline.org.ezproxy.auckland.ac.nz/HOL/Page?handle=hein.journals/nzjel18&start_page=41&id=47

Pressures on our water environment | Ministry for the Environment. (n.d.).
<https://environment.govt.nz/publications/our-freshwater-2020/>

Proposed Auckland Unitary Plan - Regional Policy Statement sections. (n.d.).
<https://unitaryplan.aucklandcouncil.govt.nz/pages/plan/book.aspx?exhibit=ProposedAucklandUnitaryPlan>

R v Conway - [2005] NZRMA 274, *New Zealand Resource Management Appeals* __ (2005).
<https://advance.lexis.com/api/permalink/c8ba66b3-bea6-4325-84f1-0cd17eaf1921/?context=1230042&federationidp=TZRTHJ54655>

Report from Organochlorines programme on Ambient concentrations of organochlorines in soils. (n.d.).
<https://www.mfe.govt.nz/sites/default/files/organochlorine-concentration-in-soil-dec98.pdf>

Resource consent submission form. (n.d.).
<http://www.aucklandcouncil.govt.nz/en/ratesbuildingproperty/consents/getinvolved/pages/resourceconsentsubmissionform.aspx>

Resource Management Act 1991 section 16 - unreasonable noise. (n.d.).
<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM231995.html>

Resource Management Act 1991, 1991 No 69.
<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM230265.html#DLM231904>
Resource Management Form to apply for resource consent. (n.d.).
<http://www.legislation.govt.nz/regulation/public/2003/0153/latest/DLM195878.html>

Resource Management (Forms, Fees, and Procedure) Regulations 2003. (n.d.).
<http://www.legislation.govt.nz/regulation/public/2003/0153/latest/DLM195860.html>

Resource Management (Marine Pollution) Regulations 1998. (n.d.).
<http://www.legislation.govt.nz/regulation/public/1998/0208/latest/DLM253727.html>

Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011. (n.d.).
<http://www.legislation.govt.nz/regulation/public/2011/0361/latest/DLM4052228.html>

Resource Management (National Environmental Standards for Air Quality) Regulations 2004. <http://www.legislation.govt.nz/regulation/public/2004/0309/latest/DLM286835.html>
Rio Declaration - Rio Declaration on Environment and Development - United Nations Environment Programme (UNEP). (n.d.).
https://www.un.org/en/development/desa/population/migration/generalassembly/docs/globalcompact/A_CONF.151_26_Vol.I_Declaration.pdf

RMA - Section 32 Preliminary evaluation duty. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM232582.html>

RMA Section 2 - definitions. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM230272.html>

RMA section 3 - meaning of 'effect'. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM231795.html>

RMA Section 17 - General baseline obligations. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM231999.html>

RMA section 23 - need to comply with other laws and regulations. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM232532.html>

RMA Section 32 - Preparing evaluation reports. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM232582.html>

RMA Section 45 - National Policy Statements. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM233343.html>

RMA section 77A - Power to make rules to control activities. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM233699.html>

RMA section 87 - Types of resource consents. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM233848.html>

RMA section 104 - considerations of applications for resource consent. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM234355.html>

RMA Sections 43AA to 44 - National Environmental Standards. (n.d.).

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM2412743.html>

RMA sections 74-77D.

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM233671.html>

RMA sections 105-108 relevant matters, refusals, and conditions on resource consents.

(n.d.). <http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM234380.html>

RMA sections 166 and 167 Designations, network utility opener and requiring authority.

<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM236206.html>

Shirley Primary School v Telecom Mobile Communications Ltd - [1999] NZRMA 66, New Zealand Resource Management Appeals ____ (1999).

<https://advance.lexis.com/api/permalink/e16728f8-cba9-46fe-8d2d-3262e1d4c627/?context=1230042&federationidp=TZRTHJ54655>

Simmons, Greg ; Garbutt, Claire ; Hewitt, Joanne ; Greening, Gail. (2007). A New Zealand outbreak of norovirus gastroenteritis linked to the consumption of imported raw Korean oysters. The New Zealand Medical Journal, 120(1264).

<http://search.proquest.com.ezproxy.auckland.ac.nz/docview/1034236739/7B1DE88A7937464BPQ/16?accountid=8424>

Sinclair, D. (2003). Resource Management Act. (2003). Resource Management Act (1991) in Public Health Law, The. New Zealand Journal of Environmental Law, 7, 275-312.
http://www.heinonline.org.ezproxy.auckland.ac.nz/HOL/Page?handle=hein.journals/nzjel7&start_page=275&id=281

Special zones - Tamaki campus in Auckland District Plan. (n.d.).
http://www.aucklandcouncil.govt.nz/EN/AboutCouncil/meetings_agendas/hearings/Documents/AttachmentAconsequentialchanges.pdf

State of NZ Environment - Ch 4 discusses New Zealand's Environmental Legislation. (n.d.).
<http://www.mfe.govt.nz/publications/environmental-reporting/state-new-zealand%E2%80%99s-environment-1997-chapter-four-environment-4>

Stockholm Convention on Persistent Organochlorine Pollutants - overview and text. (n.d.).
<http://chm.pops.int/TheConvention/Overview/tabid/3351/Default.aspx>

Stout, S. A., Uhler, A. D., Naymik, T. G., & McCarthy, K. J. (1998). Environmental Forensics Unraveling Site Liability. Environmental Science & Technology, 32(11), 260A-264A.
<http://pubs.acs.org/doi/pdf/10.1021/es983570w>

The Quick Guide to Hazardous Facility Assessment. (n.d.).
<https://www.mfe.govt.nz/sites/default/files/assessment-guide-for-haz-facilities-02.pdf>

Tracing Killer Spores. (n.d.).
<http://pubs.acs.org/action/showStoryContent?doi=10.1021/on.2008.010.10.108576>

Waste Minimisation Act 2008, 2008 No 89.
<http://www.legislation.govt.nz/act/public/2008/0089/latest/DLM999802.html>

Young-Cooper, A., New Zealand. Ministry for the Environment, & Hill Young Cooper. (1996). The monitoring guide: a practitioner's guide to Section 35 of the Resource Management Act 1991, with a focus on territorial authority monitoring duties. The Ministry.