

FORENSIC 706 Environmental Forensic Science

[View Online](#)

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

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

Albaigés, Joan, et al. 'Oil Spill Identification'. Handbook of Oil Spill Science and Technology, edited by Mervin F. Fingas, electronic resource, John Wiley & Sons, 2014, pp. 165–204, <https://doi.org/10.1002/9781118989982.ch6>.

An Everyday Guide: Getting in on the Act | Ministry for the Environment.
<https://environment.govt.nz/publications/understanding-the-rma-and-how-to-get-involved/>.

Assigning a Product to a HSNO Approval.
<http://www.epa.govt.nz/publications/hsnogen-gs-assigning.pdf>.

'Auckland Council v Jenners Worldwide Freight Ltd'. Criminal justiceSentencingEnvironment and Natural resourcesPollutionResource managementOffences and penaltiesDischargeContaminants, 2016, [https://anzlaw.thomsonreuters.com/Document/I38b889617ead11e8b22785ae5ff38a3b/View/FullText.html?transitionType=Default&contextData=\(sc.Default\)&VR=3.0&p;RS=cblt1.0&groupid=aucklandacnz](https://anzlaw.thomsonreuters.com/Document/I38b889617ead11e8b22785ae5ff38a3b/View/FullText.html?transitionType=Default&contextData=(sc.Default)&VR=3.0&p;RS=cblt1.0&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=cblt1.0&groupid=aucklandacnz](https://anzlaw.thomsonreuters.com/Document/I65b180d37ea711e8b22785ae5ff38a3b/View/FullText.html?transitionType=Default&contextData=(sc.Default)&VR=3.0&p;RS=cblt1.0&groupid=aucklandacnz).

Auckland Regional Plan: Air, Land and Water 2001.
<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.
<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.

<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.

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

Basic Investigative Skills for Local Government.

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

Building Act 2004. Vol. 2004 No 72,

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

Chemical Classification and Information Database (CCID). 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.

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

City of Auckland District Plan - Activities in Residential Areas.

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

City of Auckland District Plan 7.8 Rules: Development Controls.

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

City of Auckland District Plan Isthmus Section Part 13 - Interpretations and Definitions.

<http://www.aucklandcity.govt.nz/council/documents/district/Part13a.pdf>.

D Grinlinton. Environmental Law for a Sustainable Society - Ch 2 p 33. Edited by Klaus Bosselmann et al., Second edition, vol. New Zealand Centre for Environmental Law monograph series, New Zealand Centre for Environmental Law, 2013.

Daughton, Christian G. 'Illicit Drugs: Contaminants in the Environment and Utility in Forensic Epidemiology'. Reviews of Environmental Contamination and Toxicology: Volume 210, electronic resource, Springer, 2011, pp. 59-110,

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

de Mora, S. K., and D. R. Phillips. 'Tributyltin (TBT) Pollution in Riverine Sediments Following a Spill from a Timber Treatment Facility in Henderson, New Zealand'.

Environmental Technology, vol. 18, no. 12, 1997, pp. 1187-93,
<https://doi.org/10.1080/09593331808616639>.

Einax, J., et al. Chemometrics in Environmental Analysis - Figure 4-1. VCH Verlagsgesellschaft, 1997.

Emissions Trading Scheme: New Zealand Climate Change Information.

<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.

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

Environment Guide - District Plans.

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

Environmental Forensics - 2. Microbial Techniques for Environmental Forensics - Knovel.

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.

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

Environmental Protection Authority Act 2011.

<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.

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., and P. J. Haines. Environmental Analytical Chemistry Section 15.4. Blackie Academic & Professional, 1995.

Form for Submission on a Resource Consent Application.

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

Forret, J. 'Scientific Evidence and Environmental Litigation in New Zealand'. New Zealand Journal of Environmental Law, no. 2, 1998, pp. 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. 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., 1963.

Harrison, Roy M. and Royal Society of Chemistry (Great Britain). 'Land Contamination and

Reclamation Chapter'. Understanding Our Environment: An Introduction to Environmental Chemistry and Pollution, 3rd ed, electronic resource, Royal Society of Chemistry, 1999, 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. Vol. 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. <https://www.mfe.govt.nz/sites/default/files/timber-guide-jun97.pdf#page=79>.

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

Howard, Ebenezer, et al. Garden Cities of Tomorrow. Faber, 1946.

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

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

Introduction to the RMA. <http://www.environmentguide.org.nz/rma/>.

Keith, Lawrence H. 'Environmental Sampling: A Summary'. Environmental Science & Technology, vol. 24, no. 5, 1190, pp. 610-17, <https://doi.org/10.1021/es00075a003>.

'Machinery Movers Ltd v Auckland Regional Council - [1994] 1 NZLR 492'. New Zealand Law Reports, vol. 1, 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'. New Zealand Law Reports, vol. 1, 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. <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. http://www.pmcsc.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. <http://www.lgnz.co.nz/assets/North-Island-PNG.PNG>.

Map of Regional, Territorial and Unitary Councils in South Island.

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

Maritime NZ Response to an Oil Spill - Showing Response Stages.

<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.

<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.

[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.

<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

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

New Zealand Centre for Environmental Law. Environmental Law for a Sustainable Society. Edited by Klaus Bosselmann et al., Second edition, vol. New Zealand Centre for Environmental Law monograph series, New Zealand Centre for Environmental Law, 2013.

New Zealand Institute of Chemistry. Chemistry in New Zealand.

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

Oil Spill Identification | Bonn Agreement.

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

P Lab Testing - Forensic and Industrial Science Forensic and Industrial Science Ltd.

<http://www.forensicscience.co.nz/p-lab-testing/>.

Pietras, J. 'Bisphenol A: A Critique of the Law's Failure to Protect the Public from Toxic Exposure'. New Zealand Journal of Environmental Law, no. 18, 2014, pp. 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.
<https://environment.govt.nz/publications/our-freshwater-2020/>.

Proposed Auckland Unitary Plan - Regional Policy Statement Sections.
<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.
<https://www.mfe.govt.nz/sites/default/files/organochlorine-concentration-in-soil-dec98.pdf>.

Resource Consent Submission Form.
<http://www.aucklandcouncil.govt.nz/en/ratesbuildingproperty/consents/getinvolved/pages/resourceconsentsubmissionform.aspx>.

Resource Management Act 1991. Vol. 1991 No 69,
<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM230265.html#DLM231904>.

Resource Management Act 1991 Section 16 - Unreasonable Noise.
<http://www.legislation.govt.nz/act/public/1991/0069/latest/DLM231995.html>.

Resource Management Form to Apply for Resource Consent.
<http://www.legislation.govt.nz/regulation/public/2003/0153/latest/DLM195878.html>.

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

Resource Management (Marine Pollution) Regulations 1998.
<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.
<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).
<https://www.un.org/en/development/desa/population/migration/generalassembly/docs/glob>

alcompact/A_CONF.151_26_Vol.I_Declaration.pdf.

RMA - Section 32 Preliminary Evaluation Duty.

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

RMA Section 2 - Definitions.

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

RMA Section 3 - Meaning of 'Effect'.

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

RMA Section 17 - General Baseline Obligations.

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

RMA Section 23 - Need to Comply with Other Laws and Regulations.

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

RMA Section 32 - Preparing Evaluation Reports.

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

RMA Section 45 - National Policy Statements.

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

RMA Section 77A - Power to Make Rules to Control Activities.

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

RMA Section 87 - Types of Resource Consents.

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

RMA Section 104 - Considerations of Applications for Resource Consent.

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

RMA Sections 43AA to 44 - National Environmental Standards.

<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.

<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. 'A New Zealand Outbreak of Norovirus Gastroenteritis Linked to the Consumption of Imported Raw Korean Oysters'. The New Zealand Medical Journal, vol. 120, no. 1264, 2007,

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

Sinclair, D. (2003). Resource Management Act. 'Resource Management Act (1991) in Public Health Law, The'. New Zealand Journal of Environmental Law, no. 7, 2003, pp. 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.
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.
<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.
<http://chm.pops.int/TheConvention/Overview/tabid/3351/Default.aspx>.

Stout, Scott A., et al. 'Environmental Forensics Unraveling Site Liability'. Environmental Science & Technology, vol. 32, no. 11, 1998, pp. 260A-264A,
<http://pubs.acs.org/doi/pdf/10.1021/es983570w>.

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

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

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

Young-Cooper, Adrienne, et al. 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, 1996.