Remediation Standard Regulations Revisions 22a-133k-1 to 22a-133k-3, inclusive Table of Contents

	Page	
22a-133k-1	eReg	R/B
22a-133k-1(a) Definitions	(1)	(1)
22a-133k-1(b) Applicability	(9)	(12)
22a-133k-1(c) Time frames for Issuance of Approvals by the Commissioner	(10)	(13)
22a-133k-1(d) Public Participation	(10)	(14)
22a-133k-1(e) Environmental Use Restrictions	(12)	(17)
22a-133k-1(f) Financial Assurance	(14)	(19)
22a-133k-1(g) Use of Form Prescribed by the Commissioner	(15)	(21)
22a-133k-1(h) General Requirements for Analytical Data	(16)	(21)
22a-133k-1(i) Applicability of Remediation to Volatilization Criteria	(18)	(25)
22a-133k-2 Remediation Standards for Soil		
22a-133k-2(a) Soil Criteria	(20)	(27)
22a-133k-2(b) Direct Exposure Criteria	(20)	(28)
(b)(1) Residential Direct Exposure Criteria	(20)	(28)
(b)(2) Use of Industrial/Commercial Direct Exposure Criteria	(20)	(28)
(b)(3) Conditional Exemptions for Inaccessible Soil	(21)	(29)
(b)(4) Conditional Exemption for Inaccessible Soil Polluted with PCBs	(21)	(29)
(b)(5) Conditional Exemption for Incidental Sources	(22)	(30)
(b)(6) Conditional Exemption for Soil Polluted with Pesticides	(22)	(31)
(b)(7) Direct Exposure Criteria for Additional Polluting Substances	(23)	(31)
22a-133k-2(c) Pollutant Mobility Criteria	(25)	(34)
(c)(1) Pollutant Mobility Criteria	(25)	(34)
(c)(2) Optional Criteria for Polluted Soils in GA	(26)	(35)
(c)(3) Optional Criteria for Polluted Soils in a GB Area	(28)	(38)
(c)(4) Determining the Presence of NAPL in Soil	(30)	(41)
(c)(5) Conditional Exemptions to Pollutant Mobility Criteria	(31)	(42)
(c)(5)(A) Environmentally Isolated Soil	(31)	(42)
(c)(5)(B) Polluted Material	(32)	(43)
(c)(5)(C) Soil Subject to Infiltration	(32)	(43)
(c)(5)(D) Conditional Exemption for Incidental Sources	(33)	(44)
(c)(5)(E) Conditional Exemption for Soil Polluted with Pesticides	(33)	(44)
(c)(6) Pollutant Mobility Criteria for Additional Polluting Substances	(33)	(45)
22a-133k-2(d) Alt. Soil Criteria and Alt. Dilution or Dilution Attenuation Factor	(34)	(45)
(d)(1) Information Required in a Requests for Approval of Alt. Soil Criteria	(34)	(45)
(d)(2) Commissioner Approval of Alt. Release-specific DEC	(34)	(46)
(d)(3) Commissioner Approval of Alt. Release-specific PMC	(35)	(47)
(d)(4) LEP Calculation and Use of Alt. Release—Specific PMC	(36)	(48) (50)
22a-133k-2(e) Determining Compliance with the Soil Criteria	(37)	(50)
(e)(1) Direct Exposure Criteria	(37)	(50)
(e)(2) Pollutant Mobility Criteria	(37)	(50) (51)
(e)(3) Background Concentrations	(38)	(51)
	ı	

	ı	
22a-133k-2(f) Soil Criteria Variances	(38)	(52)
(f)(1) Widespread Polluted Fill	(38)	(52)
(f)(2) Engineered Control Variance	(40)	(54)
(f)(3) Public Roadways Variance	(44)	(60)
22a-133k-2(g) Non-Aqueous Phase Liquids	(45)	(61)
22a-133k-2(h) Use of Polluted Soil and Reuse of Treated Soil	(46)	(62)
22a-133k-2(i) Additional Remediation of Polluted Soil	(48)	(65)
22a-133k-3 Remediation Standards for Groundwater		
22a-133k-3(a) Groundwater Criteria	(48)	(66)
(a)(1) Groundwater in a GA Area	(48)	(66)
(a)(2) Groundwater in a GB Area	(49)	(66)
(a)(3) Groundwater Plume Discharging to a Low-Dilution Surface Water Body	(49)	(67)
22a-133k-3(b) Alternative Surface Water Protection Criteria	(49)	(67)
(b)(1) Groundwater Plume Discharge to a Watercourse	(50)	(67)
(b)(2) Aquifer Dilution	(51)	(70)
(b)(3) Commissioner Approval	(51)	(70)
22a-133k-3(c) Volatilization Criteria	(52) (53)	(70) (71)
(c)(1) Volatilization Criteria for Groundwater	(53)	(71)
(c)(2) Alt. Demonstration of Compliance with Groundwater Vol. Criteria	(53)	(71)
(c)(3) Exemption from Vol. Criteria for Groundwater through Vapor Mitigation	(54)	(72)
, , , , , , , , , , , , , , , , , , , ,	` /	
(c)(4) Alt. Release-Specific Vol. Criteria and Alt. Method of Demonstrating	(55)	(74)
Compliance with Vol. Criteria (a)(5) Example from Volatilization Criteria through a No Build Restriction	(56)	(75)
(c)(5) Exemption from Volatilization Criteria through a No Build Restriction	(56)	(75)
(c)(6) Exemption from Volatilization Criteria through Indoor Air Monitoring	(56)	(76)
22a-133k-3(d) Groundwater Protection Criteria	(57)	(77)
(d)(1) Exemption from Attaining Background Concentration in a GA Area	(57)	(77)
(d)(2) Alternative Groundwater Protection Criteria	(58)	(78)
22a-133k-3(e) Technical Impracticability Variance	(60)	(80)
22a-133k-3(f) Conditional Exemption for Incidental Sources	(63)	(84)
22a-133k-3(g) Conditional Exemption for Groundwater Polluted with Pesticides	(63)	(85)
22a-133k-3(h) Applying the Groundwater Criteria	(63)	(85)
(h)(1) Groundwater Monitoring	(63)	(86)
(h)(2) Pre-requisites for Determining Compliance with Groundwater Criteria	(64)	(86)
(h)(3) Determining Compliance with Groundwater Criteria	(65)	(87)
(h)(4) Upgradient Groundwater Plume	(66)	(89)
22a-133k-3(i) Additional Polluting Substances	(67)	(91)
22a-133k-3(i) Additional Remediation of Groundwater	(70)	(94)
	(= 0)	(O.F.)
22a-133k-Appendix A Direct Exposure Criteria for Soil	(70)	(95)
22a-133k-Appendix B Pollutant Mobility Criteria for Soil	(73)	(103)
22a-133k-Appendix C Groundwater Protection Criteria	(76)	(111)
22a-133k-Appendix D SWPC for Substances in Groundwater	(78)	(118)
22a-133k-Appendix E Volatilization Criteria for Substances for Groundwater	(80)	(123)
22a-133k-Appendix F Volatilization Criteria for Soil Vapor	(81)	(125)
22a-133k-Appendix G Equations, Terms, and Values for Release-Specific Criteria	(82)	(128)
22a-133k-Appendix H Equations, Terms, and Values for Release-Specific Alt. PMC	` /	(144)
22a-133k-Appendix I Potential Alternative Groundwater Protection Map	(98)	(149)