 DEEP USE ONLY (Date Stamp)

 **Department of Energy & Environmental Protection**

 **Bureau of Water Protection and Land Reuse**

 **Remediation Division**

**79 Elm Street, Hartford, CT 06106-5127
(860) 424-3705** [**www.ct.gov/deep/remediation**](http://www.ct.gov/deep/remediation)

**Request for Approval of CRITERIA FOR additional polluting substanceS And CERTAIN alternative criteria**

In accordance with Sections 22a-133k-1 through k-3 of the Regulations of Connecticut State Agencies

This form is prescribed by the Commissioner and must be completed when requesting the Commissioner’s approval to use site-specific cleanup criteria for Additional Polluting Substances and certain Alternative Criteria. For use of the criteria listed below for the site identified in this form, the Commissioner’s approval is required pursuant to the Remediation Standard Regulations, Sections 22a-133k-1 through 22a-133k-3 (RSRs) of the Regulations of Connecticut State Agencies (RCSA).

If this request is for an anticipated Property Transfer Act Form I, II, or IV filing, the approval will be conditional on the submittal of such filing within one year of the date of this approval. After such time, if such filing was not submitted, this approval automatically expires.

In all other cases, the approval expires eight years from the date approved unless otherwise extended by the Commissioner in writing, or unless a Verification, Interim Verification, or Final Remedial Action Report (in the case of DEEP-lead or Voluntary Remediation under CGS Section 22a-133y only) is submitted within said timeframe.

All sections of this form must be completed, as applicable.

Check the box to indicate the program for which this form is being submitted:

[ ]  Connecticut General Statutes (CGS) section 22a-134a(a)-(e), Property Transfer Program

[ ]  CGS section 22a-133x, Voluntary Remediation Program

[ ]  CGS section 22a-133y, Voluntary Remediation Program

[ ]  Other (specify)

|  |
| --- |
| **Site Identification RemID#**      Name of Site:      Street Address:      City/Town:       State:    Zip Code:      -    Groundwater Classification:       |

|  |
| --- |
| **Contact Information**Certifying Party (if Property Transfer):       [ ]  N/APerson submitting Request:       Title:      Business Name:       E-mail Address:      Mailing Address:      City/Town:       State:    Zip Code:      -    Business Phone:    -   -     Ext.       Fax:    -   -     |

[ ]  Request to use the [2003 Draft Volatilization and Soil Vapor Criteria Tables C2 and C3](http://www.ct.gov/deep/lib/deep/site_clean_up/remediation_regulations/2003volatilization_appendix_c2c3.pdf), as revised in 2015.

“I hereby request approval, in accordance with Sections 22a-133k-2(b)(5), 22a-133k-2(c)(6), 22a-133k-3(h), 22a-133k-3(b)(3)(B), and/or 22a-133k-3(c)(4)(B) of the RCSA, to use the criteria selected in the table below for Additional Polluting Substances at the site identified above.”

Check the box indicating the criteria for which approval is requested. Selection of criteria must correspond to the groundwater classification of the site. The criteria below are not valid and effective for any release or property until and unless DEEP issues a written approval for use at a specific property. DEEP may update these criteria at any time, so no one should rely on them until receipt from DEEP of a property-specific approval. These criteria are optional and any person may elect to apply for a different criterion for any additional polluting substance provided that adequate documentation to support such request is submitted to DEEP.

| **Substance** | Res DEC (mg/kg) | I/C DEC (mg/kg) | GA PMC (mg/kg) | GB PMC (mg/kg) | RSVVC (ppmv)1 | I/CSVVC (ppmv)1 | RSVVC (mg/m3)1 | I/CSVVC(mg/m3)1 | GWPC (µg/L) | SWPC (µg/L)1 | RGWVC (µg/L)1 | I/CGWVC(µg/L)1 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Acenaphthene | 1,000[ ]  | 2,500[ ]  | 8.4[ ]  | 84[ ]  | 13[ ]  | 110[ ]  | 83[ ]  | 690[ ]  | 420[ ]  | 150[ ]  | 30,500[ ]  | 50,000[ ]  |
| Acetone |  |  |  |  |  |  |  |  |  | 10,000[ ]  |  |  |
| Acetonitrile | 340[ ]  | 1,000[ ]  | 0.70[ ]  | 7.0[ ]  | 14[ ]  | 140[ ]  | 24[ ]  | 240[ ]  | 35[ ]  | 10,000[ ]  | 37,100[ ]  | 50,000[ ]  |
| Acrolein | 34[ ]  | 1,000[ ]  | 0.20[ ]  | 2.0[ ]  | 0.003[ ]  | 0.035[ ]  | 0.008[ ]  | 0.081[ ]  | 10[ ]  | 30[ ]  | 4.0[ ]  | 50[ ]  |
| Alachor |  |  |  |  |  |  |  |  |  | 450[ ]  |  |  |
| Aldicarb |  |  |  |  |  |  |  |  |  | 9.4[ ]  |  |  |
| Aldrin | 0.04[ ]  | 0.34[ ]  | 0.002[ ]  | 0.01[ ]  |  |  |  |  | 0.05[ ]  | 0.05[ ]  |  |  |
| Aniline | 110[ ]  | 1,000[ ]  | 0.20[ ]  | 1.2[ ]  |  |  |  |  | 6.1[ ]  | 41[ ]  |  |  |
| Atrazine |  |  |  |  |  |  |  |  |  | 16[ ]  |  |  |
| Benzidine | 0.20[ ]  | 0.20[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 5.0[ ]  |  |  |
| Benzo(g,h,i)perylene | 8.4[ ]  | 78[ ]  | 1[ ]  | 1[ ]  |  |  |  |  | 0.48[ ]  | 150[ ]  |  |  |
| Benzoic acid | 1,000[ ]  | 2,500[ ]  | 20[ ]  | 200[ ]  |  |  |  |  | 1,000[ ]  | 9,000[ ]  |  |  |
| Bis(2-chloroethoxy)methane | 200[ ]  | 2,500[ ]  | 0.42[ ]  | 4.2[ ]  |  |  |  |  | 21[ ]  | 10,000[ ]  |  |  |
| Bromodichloromethane | 18[ ]  | 170[ ]  | 0.02[ ]  | 0.21[ ]  | 0.002[ ]  | 0.046[ ]  | 0.012[ ]  | 0.31[ ]  | 1.0[ ]  | 510[ ]  | 1.1[ ]  | 35[ ]  |
| Bromomethane | 34[ ]  | 1,000[ ]  | 0.07[ ]  | 0.70[ ]  | 0.51[ ]  | 5.2[ ]  | 2[ ]  | 20[ ]  | 3.5[ ]  | 160[ ]  | 83[ ]  | 1,100[ ]  |
| 2-Butanone (MEK) |  |  |  |  |  |  |  |  |  | 10,000[ ]  |  |  |
| Butylbenzene, n- | 500[ ]  | 1,000[ ]  | 7.0[ ]  | 70[ ]  | 13[ ]  | 130[ ]  | 69[ ]  | 690[ ]  | 350[ ]  | 10,000[ ]  | 1,600[ ]  | 21,800[ ]  |
| Butylbenzene, sec- | 500[ ]  | 1,000[ ]  | 7.0[ ]  | 70[ ]  | 13[ ]  | 130[ ]  | 69[ ]  | 690[ ]  | 350[ ]  | 10,000[ ]  | 1,500[ ]  | 20,100[ ]  |
| Butylbenzene, tert- | 500[ ]  | 1,000[ ]  | 7.0[ ]  | 70[ ]  | 13[ ]  | 130[ ]  | 69[ ]  | 690[ ]  | 350[ ]  | 10,000[ ]  | 1,900[ ]  | 25,300[ ]  |
| Butylbenzyl phthlate |  |  |  |  |  |  |  |  |  | 230[ ]  |  |  |
| Carbazole | 31[ ]  | 290[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 53[ ]  |  |  |
| Carbon disulfide | 500[ ]  | 1,000[ ]  | 0.80[ ]  | 8.0[ ]  | 27[ ]  | 48[ ]  | 83[ ]  | 150[ ]  | 40[ ]  | 150[ ]  | 2,100[ ]  | 5,200[ ]  |
| Chlorodane, (total)2 | 0.49[ ]  | 2.2[ ]  | 0.066[ ]  | 0.066[ ]  |  |  |  |  | 0.30[ ]  | 0.3[ ]  |  |  |
| Chloroaniline, 4- | 3.1[ ]  | 29[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 9.9[ ]  |  |  |
| Chloroethane | 130[ ]  | 1,000[ ]  | 0.15[ ]  | 1.5[ ]  | 0.27[ ]  | 3.3[ ]  | 0.71[ ]  | 8.7[ ]  | 7.4[ ]  | 10,000[ ]  | 22[ ]  | 360[ ]  |
| Chloromethane | 180[ ]  | 1,000[ ]  | 0.36[ ]  | 3.6[ ]  | 1.70[ ]  | 18[ ]  | 3.6[ ]  | 36[ ]  | 18[ ]  | 10,000[ ]  | 130[ ]  | 1,800[ ]  |
| Chloronaphthalene, 2- | 500[ ]  | 1,000[ ]  | 11[ ]  | 110[ ]  | 17[ ]  | 100[ ]  | 110[ ]  | 690[ ]  | 560[ ]  | 10,000[ ]  | 27,300[ ]  | 50,000[ ]  |
| Chlorophenol, 3-methyl-4 | 1,000[ ]  | 2,500[ ]  | 14[ ]  | 140[ ]  |  |  |  |  | 700[ ]  | 73[ ]  |  |  |
| Chlorophenol, 2- |  |  |  |  |  |  |  |  |  | 420[ ]  |  |  |
| Chlorotoluene, 2- | 500[ ]  | 1,000[ ]  | 2.8[ ]  | 28[ ]  | 6.1[ ]  | 62[ ]  | 32[ ]  | 320[ ]  | 140[ ]  | 10,000[ ]  | 2,100[ ]  | 28,300[ ]  |
| Chlorotoluene, 4- | 500[ ]  | 1,000[ ]  | 2.8[ ]  | 28[ ]  | 6.1[ ]  | 62[ ]  | 32[ ]  | 320[ ]  | 140[ ]  | 10,000[ ]  | 1,900[ ]  | 25,200[ ]  |
| Chrysene | 84[ ]  | 780[ ]  | 1[ ]  | 1[ ]  |  |  |  |  | 4.8[ ]  | 0.54[ ]  |  |  |
| Cyclohexane | 500[ ]  | 1,000[ ]  | 20[ ]  | 200[ ]  | 110[ ]  | 200[ ]  | 380[ ]  | 690[ ]  | 1,000[ ]  | 2,800[ ]  | 1,100[ ]  | 2,800[ ]  |
| D, 2,4- |  |  |  |  |  |  |  |  |  | 1,700[ ]  |  |  |
| Dibenzo(a,h)anthracene | 1.0[ ]  | 1[ ]  | 1[ ]  | 1[ ]  |  |  |  |  | 0.10[ ]  | 0.30[ ]  |  |  |
| Dibenzofuran | 68[ ]  | 1,000[ ]  | 0.20[ ]  | 1.4[ ]  | 0.20[ ]  | 2.1[ ]  | 1.4[ ]  | 14[ ]  | 7.0[ ]  | 40[ ]  | 460[ ]  | 5,800[ ]  |
| Dibromo-3-chloropropane, 1.2- | 0.09[ ]  | 0.82[ ]  | 0.005[ ]  | 0.04[ ]  |  |  |  |  | 0.20[ ]  | 1.1[ ]  |  |  |
| Dicamba | 500[ ]  | 1,000[ ]  | 4.2[ ]  | 42[ ]  |  |  |  |  | 210[ ]  | 2,200[ ]  |  |  |
| Dichlorobenzidine, 3,3’- | 1.4[ ]  | 13[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 5.0[ ]  |  |  |
| Dichlorobutene, 1,4- |  |  |  |  | 0.0005[ ]  | 0.0005[ ]  | 0.0026[ ]  | 0.0027[ ]  |  |  | 0.5[ ]  | 0.5[ ]  |
| Dichlorodifluromethane | 500[ ]  | 1,000[ ]  | 7.0[ ]  | 70[ ]  | 8.0[ ]  | 81[ ]  | 39[ ]  | 400[ ]  | 350[ ]  | 10,000[ ]  | 53[ ]  | 720[ ]  |
| Dichlorodiphenyl Trichloroethane, P,P’-(DDT) (total)3 | 1.8[ ]  | 17[ ]  | 0.003[ ]  | 0.02[ ]  |  |  |  |  | 0.10[ ]  | 0.05[ ]  |  |  |
| Dichloroethane, 1,1- |  |  |  |  |  |  |  |  |  | 4,100[ ]  |  |  |
| Dichloroethene, 1,2- |  |  |  |  |  |  |  |  |  | 9,700[ ]  |  |  |
| Dichloroethene, cis 1,2- |  |  |  |  |  |  |  |  |  | 6,200[ ]  |  |  |
| Dichloroethene, trans 1,2- |  |  |  |  |  |  |  |  |  | 10,000[ ]  |  |  |
| Dichloroprop | 240[ ]  | 1,000[ ]  | 0.50[ ]  | 5.0[ ]  |  |  |  |  | 25[ ]  | 120[ ]  |  |  |
| Dichloropropane, 1,2 |  |  |  |  |  |  |  |  |  | 150[ ]  |  |  |
| Diethyl phthalate | 1,000[ ]  | 2,500[ ]  | 20[ ]  | 200[ ]  |  |  |  |  | 1,000[ ]  | 2,200[ ]  |  |  |
| Dimethyl phthalate | 1,000[ ]  | 2,500[ ]  | 20[ ]  | 200[ ]  |  |  |  |  | 1,000[ ]  | 10,000[ ]  |  |  |
| Dimethylphenol, 2,4- | 1,000[ ]  | 2,500[ ]  | 2.8[ ]  | 28[ ]  |  |  |  |  | 140[ ]  | 150[ ]  |  |  |
| Dinitrophenol, 2,4- | 140[ ]  | 2,500[ ]  | 0.30[ ]  | 2.8[ ]  |  |  |  |  | 14[ ]  | 710[ ]  |  |  |
| Dinitophenol, 2-methyl-4,6- | 20[ ]  | 610[ ]  | 0.30[ ]  | 2.0[ ]  |  |  |  |  | 10[ ]  | 10[ ]  |  |  |
| Dinitrotoluene, 2,4- | 0.90[ ]  | 8.4[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 100[ ]  |  |  |
| Dinitrotoluene, 2,6- | 0.9[ ]  | 8.4[ ]  | 0.2[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 46[ ]  |  |  |
| Dioxane, 1,4- | 6.1[ ]  | 57[ ]  | 0.10[ ]  | 0.60[ ]  | 0.050[ ]  | 0.61[ ]  | 0.18[ ]  | 2.2[ ]  | 3.0[ ]  | 960[ ]  |  |  |
| 1,2-Diphenylhydrazine | 0.77[ ]  | 7.2[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 6.0[ ]  |  |  |
| Endosulfan (total)4 | 41[ ]  | 1,000[ ]  | 0.084[ ]  | 0.84[ ]  |  |  |  |  | 4.2[ ]  | 0.56[ ]  |  |  |
| Endrin (total)5 | 20[ ]  | 610[ ]  | 0.04[ ]  | 0.40[ ]  |  |  |  |  | 2.0[ ]  | 0.1[ ]  |  |  |
| Ethanol | 1,000[ ]  | 2,500[ ]  | 20[ ]  | 200[ ]  |  |  |  |  | 1,000[ ]  | 10,000[ ]  |  |  |
| Ethyl acetate | 500[ ]  | 1,000[ ]  | 20[ ]  | 200[ ]  | 100[ ]  | 190[ ]  | 380[ ]  | 690[ ]  | 1,000[ ]  | 10,000[ ]  | 50,000[ ]  | 50,000[ ]  |
| Ethylene glycol | 1,000[ ]  | 2,500[ ]  | 20[ ]  | 200[ ]  |  |  |  |  | 1,000[ ]  | 10,000[ ]  |  |  |
| Extractable Total Petroleum Hydrocarbons (ETPH) |  |  |  |  |  |  |  |  |  | 250[ ]  |  |  |
| Formaldehyde | 1,000[ ]  | 2,500[ ]  | 2.8[ ]  | 28[ ]  |  |  |  |  | 140[ ]  | 9,700[ ]  |  |  |
| Hexachlorobutadiene | 130[ ]  | 1,200[ ]  | 0.2[ ]  | 1.5[ ]  |  |  |  |  | 7.4[ ]  | 10[ ]  |  |  |
| Hexachlorocyclohexane, alpha- | 0.34[ ]  | 3.2[ ]  | 0.002[ ]  | 0.01[ ]  |  |  |  |  | 0.05[ ]  | 0.11[ ]  |  |  |
| Hexachlorocyclohexane, beta- | 0.34[ ]  | 3.2[ ]  | 0.002[ ]  | 0.01[ ]  |  |  |  |  | 0.05[ ]  | 0.11[ ]  |  |  |
| Hexachlorocyclohexane, delta- | 0.34[ ]  | 3.2[ ]  | 0.002[ ]  | 0.01[ ]  |  |  |  |  | 0.05[ ]  | 0.11[ ]  |  |  |
| Hexachlorocyclopentadiene | 410[ ]  | 1,000[ ]  | 0.84[ ]  | 8.4[ ]  |  |  |  |  | 42[ ]  | 0.70[ ]  |  |  |
| Hexane, n- | 500[ ]  | 1,000[ ]  | 8.4[ ]  | 84[ ]  | 79[ ]  | 200[ ]  | 280[ ]  | 690[ ]  | 420[ ]  | 200[ ]  | 71[ ]  | 240[ ]  |
| Hexanone-2 | 340[ ]  | 1,000[ ]  | 0.70[ ]  | 7.0[ ]  | 2.90[ ]  | 29[ ]  | 12[ ]  | 120[ ]  | 35[ ]  | 10,000[ ]  | 7,600[ ]  | 94,000[ ]  |
| Indeno(1,2,3-c,d)pyrene | 1.0[ ]  | 7.8[ ]  | 1[ ]  | 1[ ]  |  |  |  |  | 0.10[ ]  | 0.54[ ]  |  |  |
| Isophorone | 640[ ]  | 2,500[ ]  | 0.74[ ]  | 7.4[ ]  |  |  |  |  | 37[ ]  | 9,200[ ]  |  |  |
| Isopropanol | 1,000[ ]  | 2,500[ ]  | 46[ ]  | 460[ ]  |  |  |  |  | 2,300[ ]  | 10,000[ ]  |  |  |
| Isopropylbenzene(cumene) | 500[ ]  | 1,000[ ]  | 0.50[ ]  | 5.0[ ]  | 6.0[ ]  | 11[ ]  | 30[ ]  | 54[ ]  | 25[ ]  | 210[ ]  | 900[ ]  | 2,200[ ]  |
| Isopropyltoluene, 4-(cymene) | 500[ ]  | 1,000[ ]  | 0.50[ ]  | 5.0[ ]  | 5.3[ ]  | 9.7[ ]  | 30[ ]  | 54[ ]  | 25[ ]  | 200[ ]  | 870[ ]  | 2,100[ ]  |
| Lindane |  |  |  |  |  |  |  |  |  | 0.11[ ]  |  |  |
| Methanol | 1,000[ ]  | 2,500[ ]  | 20[ ]  | 200[ ]  |  |  |  |  | 1,000[ ]  | 3,300[ ]  |  |  |
| Methoxychlor |  |  |  |  |  |  |  |  |  | 0.50[ ]  |  |  |
| Methyl methacrylate | 500[ ]  | 1,000[ ]  | 20[ ]  | 200[ ]  | 6.8[ ]  | 68[ ]  | 28[ ]  | 280[ ]  | 980[ ]  | 10,000[ ]  | 6,800[ ]  | 87,600[ ]  |
| Methylnaphthalene, 1- | 21[ ]  | 200[ ]  | 0.20[ ]  | 1.0[ ]  | 0.019[ ]  | 0.24[ ]  | 0.11[ ]  | 1.4[ ]  | 5[ ]  | 61[ ]  | 20[ ]  | 320[ ]  |
| Methylnaphthalene, 2- | 270[ ]  | 1,000[ ]  | 0.56[ ]  | 5.6[ ]  | 0.95[ ]  | 9.7[ ]  | 5.5[ ]  | 57[ ]  | 28[ ]  | 62[ ]  | 1,000[ ]  | 13,100[ ]  |
| Methylphenol, 2-(Cresol, o-) | 1,000[ ]  | 2,500[ ]  | 2.8[ ]  | 28[ ]  |  |  |  |  | 140[ ]  | 670[ ]  |  |  |
| Methylphenol, 3-(Cresol, m-) | 1,000[ ]  | 2,500[ ]  | 2.4[ ]  | 24[ ]  |  |  |  |  | 120[ ]  | 620[ ]  |  |  |
| Methylphenol, 4-(Cresol, p-) | 1,000[ ]  | 2,500[ ]  | 2.8[ ]  | 28[ ]  |  |  |  |  | 140[ ]  | 560[ ]  |  |  |
| Methyl-tert butyl ether (MTBE) |  |  |  |  |  |  |  |  |  | 10,000[ ]  |  |  |
| Naphthalene |  |  |  |  |  |  |  |  |  | 210[ ]  |  |  |
| Nitroaniline, 2- | 31[ ]  | 290[ ]  | 0.30[ ]  | 2.0[ ]  |  |  |  |  | 10[ ]  | 210[ ]  |  |  |
| Nitroaniline, 3- | 31[ ]  | 290[ ]  | 0.30[ ]  | 2.0[ ]  |  |  |  |  | 10[ ]  | 70[ ]  |  |  |
| Nitroaniline, 4- | 31[ ]  | 290[ ]  | 0.30[ ]  | 2.0[ ]  |  |  |  |  | 10[ ]  | 1,200[ ]  |  |  |
| Nitrobenzene | 4[ ]  | 41[ ]  | 0.20[ ]  | 1.0[ ]  | 0.005[ ]  | 0.056[ ]  | 0.023[ ]  | 0.28[ ]  | 5[ ]  | 2,300[ ]  | 51[ ]  | 750[ ]  |
| Nitrophenol, 2- |  |  |  |  |  |  |  |  |  | 560[ ]  |  |  |
| Nitrosodimethylamine, N- | 0.20[ ]  | 0.36[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 90[ ]  |  |  |
| Nitrosodi-n-propylamine, N- | 0.20[ ]  | 0.82[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 15[ ]  |  |  |
| Nitrosodiphenylamine, N- | 130[ ]  | 1,200[ ]  | 0.20[ ]  | 1.4[ ]  |  |  |  |  | 7.1[ ]  | 180[ ]  |  |  |
| Pentachloronitrobenzene | 68[ ]  | 2,000[ ]  | 0.14[ ]  | 1.4[ ]  |  |  |  |  | 7.0[ ]  | 25[ ]  |  |  |
| Pentachlorophenol |  |  |  |  |  |  |  |  |  | 30[ ]  |  |  |
| Phenanthrene |  |  |  |  |  |  |  |  |  | 14[ ]  |  |  |
| Per- and Polyfluoroalkyl Substances (PFAS) 6 | 1.35[ ]  | 41[ ]  | 0.0014[ ]  | 0.014[ ]  |  |  |  |  | 0.07[ ]  |  |  |  |
| Propylbenzene, n- | 500[ ]  | 1,000[ ]  | 1.0[ ]  | 10[ ]  | 7.4[ ]  | 14[ ]  | 36[ ]  | 67[ ]  | 50[ ]  | 10,000[ ]  | 1,200[ ]  | 2,900[ ]  |
| Propylene glycol | 1,000[ ]  | 2,500[ ]  | 20[ ]  | 200[ ]  |  |  |  |  | 1,000[ ]  | 10,000[ ]  |  |  |
| Pyridine | 20[ ]  | 610[ ]  | 0.20[ ]  | 1.0[ ]  | 0.13[ ]  | 1.3[ ]  | 0.41[ ]  | 4.2[ ]  | 5.0[ ]  | 260[ ]  | 1,900[ ]  | 23,500[ ]  |
| Styrene |  |  |  |  |  |  |  |  |  | 320[ ]  |  |  |
| tert Butyl Alcohol (TBA) (Total Oxygenates) 7  | 1,000[ ]  | 2,500[ ]  | 2.0[ ]  | 20[ ]  |  |  |  |  | 100[ ]  | 10,000[ ]  |  |  |
| Tetrachlorobenzene,1,2,4,5- | 20[ ]  | 610[ ]  | 0.1[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 11[ ]  |  |  |
| Tetrachloroethane,1,1,1,2- |  |  |  |  |  |  |  |  |  | 330[ ]  |  |  |
| Tetrahydrofuran | 61[ ]  | 570[ ]  | 0.08[ ]  | 0.80[ ]  | 0.10[ ]  | 1.28[ ]  | 0.31[ ]  | 3.8[ ]  | 4[ ]  | 9,600[ ]  | 250[ ]  | 3,700[ ]  |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 500[ ]  | 1,000[ ]  | 20[ ]  | 200[ ]  | 50[ ]  | 90[ ]  | 380[ ]  | 690[ ]  | 1,000[ ]  | 320[ ]  | 330[ ]  | 810[ ]  |
| Trichlorobenzene, 1,2,4- | 21[ ]  | 200[ ]  | 1.4[ ]  | 14[ ]  | 0.015[ ]  | 0.64[ ]  | 0.11[ ]  | 4.7[ ]  | 70[ ]  | 9.6[ ]  | 12[ ]  | 660[ ]  |
| Trichlorofluoromethane | 500[ ]  | 1,000[ ]  | 20[ ]  | 200[ ]  | 50[ ]  | 120[ ]  | 280[ ]  | 690[ ]  | 1,000[ ]  | 10,000[ ]  | 1,300[ ]  | 4,300[ ]  |
| Trichlorophenol, 2,4,5- | 1,000[ ]  | 2,500[ ]  | 14[ ]  | 140[ ]  |  |  |  |  | 700[ ]  | 28[ ]  |  |  |
| Trichlorophenol, 2,4,6- | 56[ ]  | 520[ ]  | 0.20[ ]  | 1.0[ ]  |  |  |  |  | 5.0[ ]  | 49[ ]  |  |  |
| Trimethylbenzene, 1,2,4- | 500[ ]  | 1,000[ ]  | 2.8[ ]  | 28[ ]  | 4.0[ ]  | 41[ ]  | 20[ ]  | 200[ ]  | 140[ ]  | 150[ ]  | 940[ ]  | 12,800[ ]  |
| Trimethylbenzene, 1,3,5- | 500[ ]  | 1,000[ ]  | 2.8[ ]  | 28[ ]  | 4.0[ ]  | 41[ ]  | 20[ ]  | 200[ ]  | 140[ ]  | 260[ ]  | 730[ ]  | 10,000[ ]  |
| Vinyl acetate | 500[ ]  | 1,000[ ]  | 8.0[ ]  | 80[ ]  | 2.2[ ]  | 23[ ]  | 7.9[ ]  | 81[ ]  | 400[ ]  | 10,000[ ]  | 1,500[ ]  | 18,900[ ]  |
| Xylenes (total) |  |  |  |  |  |  |  |  |  | 270[ ]  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Inorganics** | Res DEC (mg/kg) | I/C DEC (mg/kg) | GA PMC (mg/L via SPLP) | GB PMC (mg/L via SPLP) | GWPC (µg/L) | SWPC (µg/L) |
| Aluminum | 50,000[ ]  | 50,000[ ]  | 0.05[ ]  | 0.5[ ]  | 50[ ]  | 870[ ]  |
| Ammonia | 6,800[ ]  | 50,000[ ]  | 0.7[ ]  | 7.0[ ]  | 700[ ]  | 10,000[ ]  |
| Barium |  |  |  |  |  | 2,200[ ]  |
| Boron | 13,500[ ]  | 50,000[ ]  | 1.0[ ]  | 10[ ]  | 1,000[ ]  | 10,000[ ]  |
| Chloride |  |  |  |  |  | 10,000[ ]  |
| Chlorine | 6,800[ ]  | 50,000[ ]  | 4.0[ ]  | 40[ ]  | 4,000[ ]  | 110[ ]  |
| Cobalt | 20[ ]  | 610[ ]  | 0.002[ ]  | 0.02[ ]  | 2.1[ ]  | 240[ ]  |
| Iron |  |  |  |  |  | 10,000[ ]  |
| Lithium | 140[ ]  | 4,100[ ]  | 0.014[ ]  | 0.14[ ]  | 14[ ]  | 4,400[ ]  |
| Manganese | 3,400[ ]  | 50,000[ ]  | 0.50[ ]  | 5.0[ ]  | 500[ ]  | 930[ ]  |
| Tin | 680[ ]  | 20,400[ ]  | 0.07[ ]  | 0.7[ ]  | 70[ ]  | 1,800[ ]  |
| Uranium | 200[ ]  | 6,100[ ]  | 0.03[ ]  | 0.3[ ]  | 30[ ]  | 10,000[ ]  |
| Vanadium |  |  |  |  |  | 270[ ]  |

**Key**: R DEC-Residential Direct Exposure Criterion mg/kg-milligrams per kilogram

I/C DEC-Industrial/Commercial Direct Exposure Criterion ppmv-parts per million volume

GA PMC-GA Ground-water Class Pollutant Mobility Criterion µg/L-micrograms per liter

GB PMC-GB Ground-water Class Pollutant Mobility Criterion SPLP-Synthetic Precipitation Leaching Procedure

R SVVC-Residential Soil Vapor Volatilization Criterion mg/L-milligrams per liter

I/C SVVC-Industrial/Commercial Soil Vapor Volatilization Criterion N/A not applicable

GWPC-Groundwater Protection Criterion 1 Alternative Criterion for SWPC and Vol C

SWPC-Surface Water Protection Criterion 2 This criterion applies to the sum of all forms of Chlordane

R GWVC-Residential Ground-water Volatilization Criterion 3 This criterion applies to the sum of all forms of DDT, DDD, and DDE

I/C GWVC-Industrial/Commercial Ground-water Volatilization Criterion

**Blank cells – No fast track criteria have been calculated.**

4 This criterion applies to the sum of all forms of Endosulfan including the I and II isomers and Endosulfan sulfate

5 This criterion applies to the sum of all forms of Endrin includingEndrin Aldehyde and Endrin Ketone

6 “PFAS = sum of: Perfluorooctanoic Acid (PFOA), Perfluorooctane Sulfonate (PFOS), Perfluorononanoic Acid (PFNA), Perfluorohexane

 Sulfonate (PFHxS), and Perfluoroheptanoic Acid (PFHpA).

7.Total Oxygenates = sum of: Tert Butyl Alcohol (TBA), MTBE, ethyl-t-butyl ether (ETBE), t-amyl-methyl ether (TAME), diisopropyl ether (DIPE).

**If you have a prior Approval for Additional Polluting Substances or Alternative Criteria and are now requesting a new Approval to supercede it, please attach a copy of the prior Approval. This Approval will supercede all criteria listed in the previous Approval; a request for use of fewer than all of the previously approved criteria may require additional site-specific review by the Department.**

**Rem ID#**

**Signature of Person Requesting Approval**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |   /  /    Date |
|  | Signature |  |
|  |       |  |       |
|  | Printed Name of Signatory |  | Title (if applicable) |

This completed form should be submitted to: REMEDIATION DIVISION, 2nd Floor

 BUREAU OF WATER PROTECTION AND LAND REUSE

 DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

 79 ELM STREET

 HARTFORD, CT 06106-5127

 **Rem ID#**

**Section Below Reserved for DEEP Approval**

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| --- |
| [ ]  The Request received by DEEP on   /  /     is hereby approved.Nothing in this approval shall affect the Commissioner's authority to institute any proceeding, or take any action to prevent or abate pollution, to recover costs and natural resource damages, and to impose penalties for violations of law, if any. If at any time the Commissioner determines that the approved actions have not fully characterized the extent and degree of pollution or have not successfully abated or prevented pollution, the Commissioner may institute any proceeding, or take any action to require further investigation or further action to prevent or abate pollution. This approval applies only to the criteria identified in this request. In addition, nothing in this approval shall relieve any person of his or her obligations under applicable federal, state and local law. \*This approval expires eight years from the date approved unless otherwise extended by the Commissioner in writing. |
|  | Jan CzeczotkaDirectorRemediation DivisionBureau of Water Protection and Land Reuse |  | Date Approved |  |

**Section Below Reserved for DEEP Disapproval**

|  |
| --- |
| [ ]  The Request received by DEEP on   /  /     is hereby disapproved.Rationale: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Jan CzeczotkaDate DisapprovedDirectorRemediation DivisionBureau of Water Protection and Land ReuseYou may re-submit the request if and when the reason(s) for disapproval have been adequately addressed. |