

IMPORTANT: Read instructions on back of last page (Certification Page) before completing this form. Failure to comply with instructions may cause disapproval of proposed Regulations

State of Connecticut
REGULATION
of

NAME OF AGENCY

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Concerning

SUBJECT MATTER OF REGULATION

Endangered, Threatened, and Species of Special Concern

Section 1. Section 26-306-4 of the Regulations of State Agencies is amended to read as follows:

Sec. 26-306-4. List of endangered species

(a) The following mammal species are determined to be endangered:

Cryptotis parva	Least shrew
<u>Myotis leibii</u>	<u>Eastern small-footed bat</u>
<u>Myotis lucifugus</u>	<u>Little brown bat</u>
<u>Myotis septentrionalis</u>	<u>Northern long-eared bat</u>
Myotis sodalis	Indiana bat
<u>Perimyotis subflavus</u>	<u>Tri-colored bat</u>

(b) The following bird species are determined to be endangered:

Accipiter striatus	Sharp-shinned hawk
Ammodramus savannarum	Grasshopper sparrow
Asio otus	Long-eared owl
Bartramia longicauda	Upland sandpiper
Botaurus lentiginosus	American bittern
Chordeiles minor	Common nighthawk
Circus cyaneus	Northern harrier
Cistothorus platensis	Sedge wren
Eremophila alpestris	Horned lark
Gallinula chloropus	Common moorhen
Icteria virens	Yellow-breasted chat
[Laterallus jamaicensis]	[Black rail]
	[(nesting population only)]
Melanerpes erythrocephalus	Red-headed woodpecker
Podilymbus podiceps	Pied-billed grebe
Poocetes gramineus	Vesper sparrow
Rallus elegans	King rail
	(nesting population only)
Sterna dougallii	Roseate tern
Tyto alba	Barn owl
Vermivora chrysoptera	Golden-winged warbler

(c) The following reptile species are determined to be endangered:

Crotalus horridus	Timber rattlesnake
Dermochelys coriacea	Leatherback
Glyptemys muhlenbergii	Bog turtle
Lepidochelys kempii	Atlantic ridley

(d) The following amphibian species are determined to be endangered:

Ambystoma laterale	Blue-spotted salamander (diploid populations)
Scaphiopus holbrookii	Eastern spadefoot

(e) The following fish species are determined to be endangered:

Acipenser brevirostrum	Shortnose sturgeon
<u>Acipenser oxyrinchus oxyrinchus</u>	<u>Atlantic sturgeon</u>
[Lampetra] <u>Lethenteron</u> appendix	American brook lamprey
Lota lota	Burbot
Osmerus mordax	Rainbow smelt (anadromous populations only)

(f) The following invertebrate species are determined to be endangered:

Alasmidonta heterodon	Dwarf [wedge mussel] <u>wedgemussel</u>
Alasmidonta varicosa	Brook floater
Amblyscirtes vialis	Common roadside skipper
Anarta luteola	Noctuid moth
<u>Apodrepanulatrix liberaria</u>	<u>New Jersey tea inchworm</u>
Calephelis borealis	Northern metalmark
Callophrys hesseli	Hessel's hairstreak
Catocala herodias gerhardi	Herodias underwing
<u>Celastrina neglectamajor</u>	<u>Appalachian blue</u>
<u>Chytonix sensilis</u>	<u>Barrens Chytonix</u>
Cicindela lepida	Dune ghost tiger beetle
Cicindela puritana	Puritan tiger beetle
Epeoloides pilosula	Macropis cuckoo
Erynnis lucilius	Columbine duskywing
Erynnis persius persius	Persius duskywing
<u>Eubaphe meridiana</u>	<u>Little beggar</u>
Eubbranchipus holmanii	Fairy shrimp
<u>Euphyes bimacula</u>	<u>Two-spotted skipper</u>
Grammia phyllira	Phyllira tiger moth
Grammia speciosa	Bog tiger moth
<u>Haematopota rara</u>	<u>Lace-winged horse fly</u>
Hemileuca maia maia	[Buck] <u>Barrens buck moth</u>
Hybomitra longiglossa	Horse fly
Lampsilis cariosa	Yellow [lamp mussel] <u>lampmussel</u>
<u>Magicicada septendecula</u>	<u>Little 17-year periodical cicada</u>
[Metarranthis apiciaria]	[Barrens metarranthis moth]
[Papaipema appassionata]	[Pitcher plant borer]
<u>Papaipema leucostigma</u>	<u>Columbine borer</u>
<u>Papaipema marginidens</u>	<u>Brick-red borer moth</u>
Phyllonorycter ledella	Labrador tea tentiform leafminer

Schinia gracilentaSpeyeria atlantisTibicen auletes

Williamsonia lintneri

Zale curemaSlender flower mothAtlantis fritillary butterflyNorthern dusk-singing cicada[Banded bog skimmer] Ringed boghaunterBlack-eyed zale

(g) The following plant species are determined to be endangered:

Abies balsamea

Balsam fir

(native populations only)

Agalinis acuta

Sandplain [gerardia] agalinis

Agastache nepetoides

Yellow giant hyssop

Agastache scrophulariifolia

Purple giant hyssop

Ageratina aromatica

Small white snakeroot

Angelica lucida

Sea-coast angelica

Arceuthobium pusillum

Dwarf mistletoe

Aristida purpurascensArrowfeather

Aristida tuberculosa

Beach needle grass

Asclepias viridiflora

Green milkweed

Bidens eatoniiEaton's beggarticks

Bouteloua curtipendula

[Side-oats]Sideoats grama-grass

Carex alata

Broadwing sedge

Carex backii

[Sedge] Back's sedge

Carex barrattii

Barratt's sedge

Carex buxbaumii

Brown bog sedge

Carex castanea

Chestnut-colored sedge

Carex exilis

[Sedge] Meager sedge

Carex magellanica

[Sedge] Boreal bog sedge

Carex polymorpha

Variable sedge

Carex pseudocyperus

Cyprus-like sedge

Carex reznicekiiReznicek's sedge

Carex schweinitzii

Schweinitz's sedge

Carex viridula

Little green sedge

Carex willdenowii

Willdenow's sedge

Castilleja coccineaIndian paintbrush

Chamaelirium luteum

Devil's-bit

Cheilanthes lanosa

Hairy lip-fern

Cirsium horridulum

Yellow thistle

Coeloglossum viride

Long-bracted green orchid

Crassula aquatica

Pygmyweed

Cryptogramma stelleri

Slender cliff-brake

Cypripedium reginae

Showy lady's-slipper

[Dalibarda repens]

[Dew-drop]

Desmodium cuspidatum

Large-bracted tick-trefoil

[Desmodium humifusum]

[Trailing tick-trefoil]

Dichanthelium scabriusculum

[Panic grass]Tall swamp rosette-panicgrass

Diplazium pycnocarpon

Narrow-leaved glade fern

Dryopteris campyloptera

Mountain wood-fern

Echinodorus tenellus	Bur-head
Eleocharis equisetoides	[Horse-tail spike-rush] <u>Horsetail spikesedge</u>
Eleocharis quadrangulata var. crassior	[Spike-rush] <u>Square-stemmed spikesedge</u>
Equisetum pratense	Meadow horsetail
Equisetum scirpoides	Dwarf scouring rush
Eriocaulon parkeri	Parker's pipewort
Eupatorium album	White thoroughwort
Eurybia radula	Rough aster
Floerkea proserpinacoides	False mermaid-weed
Galium labradoricum	Bog bedstraw
Gentianella quinquefolia	Stiff gentian
[Hasteola suaveolens]	[Sweet-scented Indian-plantain]
Hudsonia ericoides	Golden-heather
Hydrastis canadensis	[Golden seal] <u>Goldenseal</u>
Hydrocotyle umbellata	Water pennywort
Hydrocotyle verticillata	Whorled pennywort
Isotria medeoloides	Small whorled pogonia
Lachnanthes [caroliniana] <u>caroliniana</u>	Carolina redroot
	(native populations only)
Leptochloa fusca ssp. fascicularis	Saltpond grass
Ligusticum [scoticum] <u>scoticum</u>	Scotch lovage
Linnaea borealis ssp. americana	Twinflower
Linum sulcatum	Yellow flax
Liparis liliifolia	Lily-leaved twayblade
Ludwigia sphaerocarpa	Globe-fruited false-loosestrife
Lycopodiella alopecuroides	Foxtail clubmoss
Lythrum alatum	Winged loosestrife
[Malaxis bayardii]	[Bayard's white adder's mouth]
Malaxis brachypoda	White adder's-mouth
Malaxis unifolia	Green adder's-mouth
Milium effusum	Tall millet-grass
<u>Minuartia glabra</u>	<u>Mountain sandwort</u>
Moehringia macrophylla	Large-leaved sandwort
Moneses uniflora	One-flower wintergreen
[Morus rubra]	[Red mulberry]
Muhlenbergia capillaris	Long-awn hairgrass
Myriophyllum alterniflorum	Slender water-milfoil
Myriophyllum pinnatum	Cutleaf water-milfoil
[Oclemena X blakei]	[Blake's aster]
Oclemena nemoralis	Bog aster
Oligoneuron album	Prairie goldenrod
Oligoneuron rigidum	Stiff goldenrod
Onosmodium virginianum	Gravel-weed
<u>Ophioglossum pusillum</u>	<u>Northern adder's-tongue</u>
<u>Ophioglossum vulgatum</u>	<u>Southern adder's-tongue</u>
<u>Packera anonyma</u>	<u>Small's ragwort</u>
<u>Packera paupercula</u>	<u>Balsam groundsel</u>
[Paspalum laeve]	[Field paspalum]

Pellaea glabella	Smooth cliff-brake
Pinus resinosa	Red pine (native populations only)
Piptatherum pungens	Slender mountain ricegrass
Pityopsis falcata	Sickle-leaved golden aster
Platanthera blephariglottis	White-fringed orchid
<u>Platanthera ciliaris</u>	<u>Yellow-fringed orchid</u>
Polygala cruciata	Field milkwort
[Polygala nuttallii]	[Nuttall's milkwort]
Polygala senega	Seneca snakeroot
Polymnia canadensis	Small-flowered leafcup
Potamogeton confervoides	[Pondweed] <u>Tuckerman's pondweed</u>
Potamogeton friesii	Fries' pondweed
Potamogeton hillii	Hill's pondweed
Potamogeton ogdenii	Ogden's pondweed
Potamogeton strictifolius	Straight-leaved pondweed
[Pycnanthemum clinopodioides]	[Basil mountain-mint]
Pycnanthemum torrei	Torrey mountain-mint
Ranunculus ambiguus	Water-plantain spearwort
Ranunculus cymbalaria	Seaside crowfoot
Rhynchospora capillacea	[Capillary beak-rush] <u>Needle beaksedge</u>
Rhynchospora scirpoides	Long-beaked [bald rush] <u>beaksedge</u>
Ribes triste	Swamp red currant
<u>Rubus dalibarda</u>	<u>Dew-drop</u>
Sabatia stellaris	Marsh pink
Sagittaria cuneata	[Waputo] <u>Northern arrowhead</u>
<u>Sagittaria teres</u>	<u>Quill-leaved arrowhead</u>
<u>Salix exigua</u>	<u>Sandbar willow</u>
Salix pedicellaris	Bog willow
Saururus cernuus	Lizard's tail
Scheuchzeria palustris ssp. americana	Pod grass
Scleria pauciflora var. caroliniana	Few-flowered nutrush
Scleria reticularis	Reticulated nutrush
Scleria triglomerata	[Nutrush] <u>Whip nutrush</u>
Scutellaria integrifolia	Hyssop skullcap
Scutellaria parvula var. missouriensis	Small skullcap
<u>Senecio suaveolens</u>	<u>Sweet-scented Indian-plantain</u>
Sparganium fluctuans	Floating bur-reed
Sparganium natans	Small bur-reed
Sporobolus clandestinus	Rough dropseed
Sporobolus heterolepis	Northern dropseed
Sporobolus neglectus	Small dropseed
Stachys hyssopifolia	Hyssop-leaf hedge-nettle
Taenidia integerrima	Yellow pimpernel
Trichostema brachiatum	False pennyroyal
Triosteum angustifolium	Narrow-leaved horse gentian
Triphora trianthophora	Nodding pogonia
<u>Trisetum spicatum</u>	<u>Narrow false oats</u>

Utricularia resupinata	[Bladderwort] <u>Resupinate bladderwort</u>
Uvularia grandiflora	Large-flowered bellwort
Vaccinium myrtilloides	Velvetleaf blueberry
<u>Viola adunca</u>	<u>Hook-spurred violet</u>
Viola brittoniana	Coast violet
<u>Viola renifolia</u>	<u>Kidney-leaf white violet</u>
Waldsteinia fragarioides	Barren strawberry
Xyris smalliana	Small's yellow-eyed
Zizia aptera	Golden Alexanders

Sec. 2. Section 26-306-5 of the Regulations of State Agencies is amended to read as follows:

Sec. 26-306-5. List of threatened species

(a) The following mammal species are determined to be threatened:

None

(b) The following bird species are determined to be threatened:

<u>Accipiter gentilis</u>	<u>Northern goshawk</u>
Ammodramus maritimus	Seaside sparrow
[Anas discors]	[Blue-winged teal]
	[(nesting population only)]
Ardea alba	Great egret
Asio flammeus	Short-eared owl
	(wintering populations)
Charadrius melodus	Piping plover
Egretta thula	Snowy egret
Falco peregrinus	Peregrine falcon
[Falco sparverius]	[American kestrel]
Haematopus palliatus	American oystercatcher
Haliaeetus leucocephalus	Bald eagle
Ixobrychus exilis	Least bittern
[Progne subis]	[Purple martin]
<u>Sturnella magna</u>	<u>Eastern meadowlark</u>
Sternula antillarum	Least tern

(c) The following reptile species are determined to be threatened:

Caretta caretta	Loggerhead
Chelonia mydas	Atlantic green turtle
[Eumeces] <u>Plestiodon</u> fasciatus	Five-lined skink

(d) The following amphibian species are determined to be threatened:

Gyrinophilus porphyriticus	Northern spring salamander
Plethodon glutinosus	Northern slimy salamander

(e) The following fish species are determined to be threatened:

[Acipenser oxyrinchus oxyrinchus]	[Atlantic sturgeon]
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(f) The following invertebrate species are determined to be threatened:

Abagrotis nefascia benjamini
Anthopotamus verticis
Apamea inordinata
 [Apodrepanulatrix liberaria]
Atylotus ohioensis
Bombus terricola
 Callophrys irus
 Calopteryx dimidiata
 [Celastrina neglectamajor]
Cicindela tranquebarica
 Cordulegaster erronea
Dargida rubripennis
 Drasteria graphica atlantica
 Enallagma doubledayi
Enallagma recurvatum
 Erynnis brizo
Euchlaena madusaria
 Eucosma morrisoni
Eumacaria latiferrugata
 [Euphyes bimacula]
 [Euxoa violaris]
Exyra fax
 [Faronta rubripennis]
 [Gomphus adelphus]
 Gomphus descriptus
 Gomphus fraternus
 Gomphus quadricolor
 Hemaris gracilis
 Hetaerina americana
 [Hybomitra frosti]
Hybomitra trepida
Hybomitra typhus
Lapara coniferarum
 Leucorrhinia glacialis
Merycomyia whitneyi
Papaipema appassionata
Papaipema duovata
 [Papaipema leucostigma]
Paraleptophlebia assimilis
 Phaneta clavana
 Progomphus obscurus
 Psectraglaea carnosa
Pyrrhia aurantiago
Schinia septentrionalis
Somatochlora georgiana
 Speranza [exornata] exonerata
 [Speyeria atlantis]
 Stylurus amnicola
Sympistis dentata
Tabanus fulvicallus

Coastal heathland cutworm
Tusked sprawler
Apamea moth
 [New Jersey tea inchworm]
Tabanid fly
Yellow-banded bumble bee
 Frosted elfin
 Sparkling jewelwing
 [Appalachian blue]
Dark-bellied tiger beetle
 Tiger spiketail
Pink streak
 False heather underwing
 Atlantic bluet
Pine barrens bluet
 Sleepy duskywing
Scrub euchlaena
 Morrison's mosaic
Brown-bordered geometer
 [Two-spotted skipper]
 [Violet dart moth]
Pitcher plant moth
 [Pink streak]
 [Mustached clubtail]
 Harpoon clubtail
 Midland clubtail
 Rapids clubtail
 Slender clearwing
 American rubyspot
 [Horse fly]
Horse fly
Horse fly
Pine sphinx
 Crimson-ringed whiteface
Tabanid fly
Pitcher plant borer
Seaside goldenrod stem borer
 [Columbine borer]
Mayfly
 Lanced phaneta
 Common sanddragon
 Pink sallow
Aureolaria seed borer
Northern flower moth
Coppery emerald
 Barrens itame
 [Atlantis fritillary butterfly]
 Riverine clubtail
Toothed apharetra moth
Horse fly

Thaumatopsis edonis	Grassland thaumatopsis
[Zale curema]	[Noctuid moth]
[Zale submediana]	[Noctuid moth]
Zanclognatha martha	[Noctuid moth] <u>Pine barrens</u>
	<u>zanclognatha</u>
<u>Zanclognatha theralis</u>	<u>Noctuid moth</u>

(g) The following plant species are determined to be threatened:

Alopecurus aequalis	[Orange foxtail] <u>Short-awned meadow-foxtail</u>
Andromeda polifolia var. glaucophylla	Bog rosemary
Anemone canadensis	Canada anemone
Asplenium ruta-muraria	Wallrue spleenwort
<u>Betula pumila</u>	<u>Swamp birch</u>
[Bidens beckii]	[Water-marigold]
[Bidens eatonii]	[Eaton's beggars-tick]
<u>Calamagrostis stricta ssp. inexpansa</u>	<u>Reed bentgrass</u>
Carex alopecoidea	Foxtail sedge
Carex crawei	Crawe's sedge
Carex cumulata	Clustered sedge
Carex davisii	Davis' sedge
Carex limosa	[Sedge] <u>Mud sedge</u>
[Castilleja coccinea]	[Indian paintbrush]
Corydalis flavula	Yellow corydalis
Eriophorum vaginatum var. spissum	Hare's tail
Eurybia spectabilis	Showy aster
Gaylussacia [dumosa var.] bigeloviana	Dwarf huckleberry
[Helianthemum propinquum]	[Low frostweed]
Houstonia longifolia	Longleaf bluet
Hudsonia tomentosa	[False] <u>Woolly</u> beach-heather
Ilex glabra	Inkberry
	(native populations only)
<u>Krigia biflora</u>	<u>Two-flowered cynthia</u>
Lipocarpha micrantha	Dwarf bulrush
Maianthemum trifolium	Three-leaved false Solomon's-seal
[Minuartia glabra]	[Mountain sandwort]
Myriophyllum sibiricum	Northern water-milfoil
[Ophioglossum pusillum]	[Adder's-tongue]
[Packeria pauperula]	[Ragwort]
Panicum amarum var. amarum	[Panic grass] <u>Bitter panicgrass</u>
<u>Paspalum laeve</u>	<u>Field paspalum</u>
Pedicularis lanceolata	Swamp lousewort
Petasites frigidus var. palmatus	Sweet coltsfoot
[Platanthera ciliaris]	[Yellow-fringed orchid]
<u>Polygala nuttallii</u>	<u>Nuttall's milkwort</u>
Populus heterophylla	Swamp cottonwood
Potamogeton [pusillus ssp.] gemmiparus	Capillary pondweed
Potamogeton vaseyi	Vasey's pondweed
Rhododendron groenlandicum	Labrador tea

Rhynchospora macrostachya	[Beaked rush] <u>Tall beaksedge</u>
Rotala ramosior	Toothcup
[Salix exigua]	[Sandbar willow]
Schoenoplectus acutus	Hard-stemmed bulrush
Schoenoplectus torreyi	Torrey bulrush
<u>Senna hebecarpa</u>	<u>Wild senna</u>
Sibbaldiopsis tridentata	Three-toothed cinquefoil
Silene stellata	Starry [champion] <u>campion</u>
Spergularia canadensis	Canada sand-spurry
Sporobolus cryptandrus	Sand dropseed
<u>Stachys hispida</u>	<u>Hispid hedge-nettle</u>
Streptopus amplexifolius	White mandarin
Thuja occidentalis	Northern white cedar (native populations only)
Trollius laxus	Spreading globe flower
<u>Viburnum prunifolium</u>	<u>Smooth black-haw</u>
Xyris montana	Northern yellow-eyed grass

Sec. 3. Section 26-306-6 of the Regulations of State Agencies is amended to read as follows:

Sec. 26-306-6. List of species of special concern

(a) The following mammal species are determined to be species of special concern:

*Canis lupus	Gray wolf
Lasionycteris noctivagans	Silver-haired bat
Lasiurus borealis	Red bat
Lasiurus cinereus	Hoary bat
[*Myotis leibii]	[Eastern small-footed bat]
*Neotoma magister	Eastern woodrat
Phocoena phocoena <u>ssp.phocoena</u>	Harbor porpoise
*Puma concolor cougar	Eastern cougar
Synaptomys cooperi	Southern bog lemming

*Believed Extirpated

(b) The following bird species are determined to be species of special concern:

Aegolius acadicus	Northern saw-whet owl
Ammodramus caudacutus	Saltmarsh sharp-tailed sparrow
*Ammodramus henslowii	Henslow's sparrow
Buteo platypterus	Broad-winged hawk
Caprimulgus vociferus	Whip-poor-will
Dolichonyx oryzivorus	Bobolink
Egretta caerulea	Little blue heron
Empidonax alnorum	Alder flycatcher
<u>Falco sparverius</u>	<u>American kestrel</u>
Gavia immer	Common loon
*Numenius borealis	Eskimo curlew
Nyctanassa violacea	Yellow-crowned night-heron
[Parula americana]	[Northern parula]

Passerculus sandwichensis	Savannah sparrow
Passerculus sandwichensis ssp. princeps	Ipswich sparrow (wintering population)
Plegadis falcinellus	Glossy ibis
<u>Progne subis</u>	<u>Purple martin</u>
<u>Setophaga americana</u>	<u>Northern parula</u>
<u>Setophaga cerulea</u>	<u>Cerulean warbler</u>
Sterna hirundo	Common tern
[Sturnella magna]	[Eastern meadowlark]
Toxostoma rufum	Brown thrasher

*Believed Extirpated

(c) The following reptile species are determined to be species of special concern:

<u>Clemmys guttata</u>	<u>Spotted turtle</u>
Glyptemys insculpta	Wood turtle
Heterodon platirhinos	Eastern hognose snake
<u>Malaclemys terrapin terrapin</u>	<u>Northern diamondback terrapin</u>
[Liochlorophis] <u>Opeodryx vernalis</u>	Smooth green snake
Terrapene carolina carolina	Eastern box turtle
Thamnophis sauritus	Eastern ribbon snake

(d) The following amphibian species are determined to be species of special concern:

Ambystoma jeffersonianum	Jefferson salamander "complex"
Ambystoma laterale	Blue-spotted salamander "complex"
<u>Necturus maculosus</u>	<u>Mudpuppy</u>
Rana pipiens	Northern leopard frog

(e) The following fish species are determined to be species of special concern:

Alosa aestivalis	Blueback herring
<u>Carcharias taurus</u>	<u>Sand tiger shark</u>
Catostomus catostomus	Longnose sucker
<u>Cottus cognatus</u>	<u>Slimy sculpin</u>
Enneacanthus obesus	Banded sunfish
<u>Liparis atlanticus</u>	<u>Atlantic seasnail</u>
Notropis bifrenatus	Bridle shiner
<u>Ulvaria subbifurcata</u>	<u>Radiated shanny</u>

(f) The following invertebrate species are determined to be species of special concern:

*Acronicta albarufa	Barrens dagger moth
<u>Acronicta falcula</u>	<u>Corylus dagger moth</u>
<u>Acronicta fragilis</u>	<u>Fragile dagger moth</u>
*Acronicta lanceolaria	[Noctuid moth] <u>Pointed dagger moth</u>
Agonum darlingtoni	Ground beetle
Agonum mutatum	Ground beetle
Agrotis stigmata	Spotted dart moth
Amara chalcea	Ground beetle
[Anthopotamus verticis]	[Tusked sprawler]
[Apamea burgessi]	[Apamea moth]
[Apamea inordinata]	[Apamea moth]

Apamea lintneri	[Apamea moth] <u>Sand wainscot moth</u>
Argyrostrotis anilis	Short-lined chocolate
[Atylotus ohioensis]	[Tabanid fly]
Badister transversus	Ground beetle
Bembidion carinula	Ground beetle
Bembidion lacunarium	Ground beetle
Bembidion planum	Ground beetle
Bembidion pseudocautum	Ground beetle
Bembidion quadratulum	Ground beetle
Bembidion semicinctum	Ground beetle
Bembidion simplex	Ground beetle
*Bombus affinis	[Affable bumblebee] <u>Rusty-patched bumble bee</u>
*Bombus ashtoni	Ashton's [bumblebee] <u>cuckoo bumble bee</u>
[Bombus terricola]	[Yellowbanded bumblebee]
Brachinus cyanipennis	Bombardier beetle
Brachinus fumans	Bombardier beetle
Brachinus medius	Bombardier beetle
Brachinus ovipennis	Bombardier beetle
Brachinus patruelis	Bombardier beetle
Callophrys henrici	Henry's elfin
*Callophrys polios	Hoary elfin
[*Calosoma wilcoxi]	[Ground beetle]
<u>Cambarus bartonii</u>	<u>Common crayfish</u>
[*]Carabus serratus	Ground beetle
[*Carabus sylvosus]	[Ground beetle]
Carabus vinctus	Ground beetle
<u>Catocala badia badia</u>	<u>Bay underwing moth</u>
*Catocala pretiosa pretiosa	Precious underwing moth
Chaetagnaea cerata	[Noctuid moth] <u>Waxed sallow</u>
*Chlosyne harrisii	Harris' checkerspot
*Chlosyne nycteis	Silvery checkerspot
*Cicindela dorsalis dorsalis	Northeastern beach tiger beetle
Cicindela formosa generosa	[Pine barrens] <u>Big sand tiger beetle</u>
Cicindela hirticollis	[Tiger] <u>Hairy-necked tiger beetle</u>
Cicindela marginata	[Tiger] <u>Saltmarsh tiger beetle</u>
*Cicindela purpurea	[Tiger] <u>Purple tiger beetle</u>
[Cicindela tranquebarica]	[Dark-bellied tiger beetle]
*Citheronia regalis	Regal moth
*Coccinella novemnotata	[C9] <u>Nine-spotted lady beetle</u>
Crangonyx aberrans	Mystic Valley amphipod
*Cucullia speyeri	[Noctuid moth] <u>Speyer's paint</u>
<u>Derrima stellata</u>	<u>Pink star moth</u>
<u>Dichagyris acclivis</u>	<u>Noctuid moth</u>
<u>Digrammia equivocata</u>	<u>Equivocal looper</u>
*Drasteria occulta	<u>Drasteria moth</u>
[*]Eacles imperialis imperialis	Imperial moth
<u>Enallagma daeckii</u>	<u>Attenuated bluet</u>
Enallagma minusculum	Little bluet
Enallagma pictum	Scarlet bluet
Erynnis horatius	Horace's duskywing

*Erynnis martialis	Mottled duskywing
[Euchlaena madusaria]	[Scrub euchlaena]
[Eucoptocnemis fimbriaris]	[Noctuid moth]
*Eulimnadia agassizii	Clam shrimp
[Eumacaria latiferrugata]	[Brown-bordered geometer]
Euphyes dion	Sedge skipper
Euxoa pleuritica	[Noctuid] <u>Fawn brown dart moth</u>
<u>Euxoa violaris</u>	<u>Violet dart moth</u>
[Exyra fax]	[Pitcher plant moth]
<u>Fagitana littera</u>	<u>Marsh fern moth</u>
*Fossaria galbana	[Lymnaeid snail] <u>Boreal fossaria</u>
Fossaria rustica	Lymnaeid snail
Geopinus incrassatus	Ground beetle
* <u>Glena cognataria</u>	<u>Blueberry gray moth</u>
<u>Gomphus adelphus</u>	<u>Mustached clubtail</u>
Gomphus vastus	Cobra clubtail
Gomphus ventricosus	Skillet clubtail
Goniops chrysocoma	Horse fly
Gyraulus circumstriatus	[Aquatic snail] <u>Disc Gyro</u>
Harpalus caliginosus	Ground beetle
Harpalus eraticus	Ground beetle
Helluomorphoides praeustus bicolor	Ground beetle
<u>Hybomitra frosti</u>	<u>Horse fly</u>
Hybomitra luridus	Horse fly
[Hybomitra trepida]	[Horse fly]
[Hybomitra typhus]	[Horse fly]
*Hydraecia immanis	Hop vine borer moth
<u>Hyparpax aurora</u>	<u>Pink prominent</u>
Ladona deplanata	Blue corporal dragonfly
[Lepipolys perscripta]	[Noctuid moth]
Leptodea ochracea	Tidewater mucket
<u>Lethe eurydice</u>	<u>Eyed brown</u>
Ligumia nasuta	Eastern [pond mussel] <u>pondmussel</u>
[*]Lithophane lemmeri	Lemmer's noctuid moth
[*]Lithophane viridipallens	Pale green pinion moth
Lomamyia flavicornis	Yellow-horned beaded lacewing
*Lordithon niger	Black lordithon rove beetle
Loxandrus vulneratus	Ground beetle
Lycaena epixanthe	Bog copper
Lycaena hyllus	Bronze copper
Macropis ciliata	Fringed loosestrife oil-bee
Margaritifera margaritifera	Eastern [pearl shell] <u>pearlshell</u>
Melitaria prodenialis	Eastern cactus-boring moth
Meropleon ambifuscum	Newman's brocade
[Merycomyia whitneyi]	[Tabanid fly]
<u>Metarranthis apiciaria</u>	<u>Barrens metarranthis moth</u>
*Mixogaster johnsoni	Syrphid fly
Nebria lacustris lacustris	Ground beetle
*Nicrophorus americanus	American burying beetle
[*Omophron tessellatum]	[Ground beetle]

[Oncocnemis riparia]	[Dune oncocnemis]
[*Panagaeus fasciatus]	[Ground beetle]
*Papaipema circumlucens	Hops-stalk borer moth
[Papaipema duovata]	[Seaside goldenrod stem borer]
*Papaipema maritima	Maritime sunflower borer moth
*Papaipema sciata	Culvers root [bore] <u>borer</u> moth
[Paraleptophlebia assimilis]	[Mayfly]
<u>Parasa indetermina</u>	<u>Stinging rose caterpillar moth</u>
<u>Photedes inops</u>	<u>Spartina borer moth</u>
[*Polygonia progne]	[Gray comma]
Pomatiopsis lapidaria	Slender walker
[Procambarus acutus]	[Whiteriver crayfish]
*Pyreferra ceromatica	Anointed sallow moth
[Rhodoecia aurantiago]	[Aureolaria seed borer]
[Sargus fasciatus]	[Soldier fly]
[Satyrodes eurydice]	[Eyed brown]
[*Scaphinotus elevatus]	[Ground beetle]
Scaphinotus viduus	Ground beetle
Schinia spinosae	[Noctuid] <u>Apinose flower</u> moth
* <u>Sideridis maryx</u>	<u>Maroonwing</u> moth
Somatochlora elongata	Ski-tailed emerald
[Spartiniphaga inops]	[Spartina borer moth]
*Speyeria idalia	Regal fritillary
Sphodros niger	Purse web spider
Stagnicola catascopium	[Lymnaeid snail] <u>Woodland ponds</u> snail
Stonemyia isabellina	Tabanid fly
Stygobromus tenuis tenuis	Piedmont groundwater amphipod
<u>Sympistis perscripta</u>	<u>Scribbled sallow</u> moth
<u>Sympistis riparia</u>	<u>Dune Sympistis</u>
Synurella chamberlaini	Coastal pond amphipod
[Tabanus fulvicallus]	[Horse fly]
[Tetragonoderus fasciatus]	[Ground beetle]
[Tibicen auletes]	[Cicada]
Valvata sincera	Boreal turret snail
Valvata tricarinata	Turret snail
Zale obliqua	[Noctuid moth] <u>Oblique zale</u>
* <u>Zale submediana</u>	<u>Gray spring zale</u>

*Believed Extirpated

(g) The following plant species are determined to be species of special concern:

Acalypha virginica	Virginia copperleaf
*Amaranthus pumilus	Sea-beach amaranth
<u>Anemone acutiloba</u>	<u>Sharp-lobed hepatica</u>
*Angelica venenosa	Hairy angelica
*Antennaria howellii ssp. petaloidea	Field pussytoes
*Aplectrum hyemale	Puttyroot
*Arethusa bulbosa	[Arethusa] <u>Dragon's-mouth</u>
Aristida longespica <u>var. geniculata</u>	Needlegrass
[Aristida purpurascens]	[Arrowfeather]

[<i>Aristolochia serpentaria</i>]	[Virginia snakeroot]
<i>Asclepias purpurascens</i>	Purple milkweed
* <i>Asclepias variegata</i>	White milkweed
<i>Asplenium montanum</i>	Mountain spleenwort
<i>Atriplex glabriuscula</i>	[Orache] <u>Bracted orache</u>
[<i>Betula pumila</i>]	[Swamp birch]
<u><i>Bidens beckii</i></u>	<u>Beck's water-marigold</u>
* <i>Blephilia ciliata</i>	Downy wood-mint
* <i>Blephilia hirsuta</i>	Hairy [woodmint] <u>wood-mint</u>
<i>Bolboschoenus maritimus</i> ssp. <i>paludosus</i>	Bayonet grass
<i>Bolboschoenus novae-angliae</i>	Salt marsh bulrush
* <i>Botrychium simplex</i>	Little grape fern
[<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>]	[Reed bentgrass]
* <u><i>Calystegia silvatica</i></u>	<u>Short-stalked false bindweed</u>
* <i>Calystegia spithamea</i>	Low bindweed
<i>Cardamine douglassii</i>	Purple cress
<i>Carex aestivalis</i>	Summer sedge
<i>Carex aquatilis</i> [var. <i>aquatilis</i>] <u>ssp. altior</u>	[Sedge] <u>Water sedge</u>
<i>Carex bushii</i>	[Sedge] <u>Bush's sedge</u>
* <i>Carex collinsii</i>	[Collins] <u>Collins' sedge</u>
* <i>Carex crawfordii</i>	Crawford sedge
[*] <i>Carex foenea</i>	Bronze sedge
<i>Carex formosa</i>	Handsome sedge
<i>Carex hitchcockiana</i>	Hitchcock's sedge
<i>Carex molesta</i>	Troublesome sedge
* <i>Carex nigromarginata</i>	Black-edge sedge
<i>Carex novae-angliae</i>	New England sedge
<i>Carex oligocarpa</i>	Eastern few-fruited sedge
* <i>Carex oligosperma</i>	Few-seeded sedge
* <i>Carex pauciflora</i>	Few-flowered sedge
<i>Carex prairea</i>	Prairie sedge
[<i>Carex squarrosa</i>]	[Sedge]
<i>Carex sterilis</i>	Dioecious sedge
<i>Carex trichocarpa</i>	[Sedge] <u>Hairy-fruited sedge</u>
<i>Carex tuckermanii</i>	Tuckerman's sedge
<i>Carex typhina</i>	[Sedge] <u>Cattail sedge</u>
<u><i>Celastrus scandens</i></u>	<u>American bittersweet</u>
[* <i>Cercis canadensis</i>]	[Eastern redbud]
	[(native populations only)]
* <i>Chenopodium rubrum</i>	[Coast blite] <u>Red goosefoot</u>
* <u><i>Coleataenia longifolia</i> ssp. <i>elongata</i></u>	<u>Long-leaved redtop-panicgrass</u>
<i>Corallorhiza trifida</i>	Early coral root
* <u><i>Crocanthemum dumosum</i></u>	<u>Bushy frostweed</u>
<u><i>Crocanthemum propinquum</i></u>	<u>Low frostweed</u>
[* <i>Croton willdenowii</i>]	[Elliptical rushfoil]
* <u><i>Crotonopsis elliptica</i></u>	<u>Elliptical rushfoil</u>
* <i>Cuphea viscosissima</i>	Blue waxweed
* <i>Cuscuta coryli</i>	Hazel dodder

*Cynoglossum virginianum	Wild comfrey
*Cypripedium arietinum	Ram's-head lady's-slipper
Cypripedium parviflorum	Yellow lady's-slipper
Deschampsia [caespitosa] <u>caespitosa</u>	Tufted hairgrass
Desmodium glabellum	Dillenius' tick-trefoil
*Desmodium sessilifolium	Sessile-leaf tick-trefoil
Dicentra canadensis	Squirrel corn
[Dichanthelium ovale var. addisonii]	[Panic grass]
* <u>Dichanthelium ovale ssp.</u> <u>pseudopubescens</u>	<u>Stiff-leaved rosette-panicgrass</u>
*Dichanthelium sphaerocarpon var. isophyllum	[Panic grass] <u>Round-fruited rosette-panicgrass</u>
*Dichanthelium xanthophysum	[Panic grass] <u>Pale-leaved rosette-panicgrass</u>
[Diospyros virginiana]	[Persimmon]
* <u>Doellingeria infirma</u>	<u>Appalachian white-aster</u>
Draba reptans	Whitlow-grass
*Drosera filiformis	Thread-leaf sundew
<u>Drymocallis arguta</u>	<u>Tall cinquefoil</u>
Dryopteris goldiana	Goldie's fern
*Eleocharis microcarpa var. filiculmis	[Spike-rush] <u>Small-fruited spikesedge</u>
Elymus wiegandii	Wiegand's wild rye
<u>Endodeca serpentaria</u>	<u>Virginia snakeroot</u>
*Equisetum palustre	Marsh horsetail
[Eurybia X herveyi]	[Hervey's aster]
*Gamochaeta purpurea	Purple cudweed
Gaultheria hispidula	Creeping snowberry
*Geranium bicknellii	Bicknell's northern crane's-bill
*Goodyera repens var. ophioides	Dwarf rattlesnake plantain
[*Helianthemum dumosum]	[Bush rockrose]
[Hepatica nobilis var. acuta]	[Sharp-lobed hepatica]
*Heteranthera reniformis	Kidneyleaf mud-plantain
Honckenya peploides	Seabeach sandwort
Hottonia inflata	Featherfoil
*Huperzia [selago] <u>appressa</u>	Fir clubmoss
*Hybanthus concolor	Green violet
Hydrophyllum virginianum	Virginia waterleaf
*Hypericum adpressum	Creeping St. John's-wort
Hypericum ascyron	Great St. John's-wort
*Juncus debilis	Weak rush
[Krigia biflora]	[Two-flowered cynthia]
* <u>Lechea racemulosa</u>	<u>Illinois pinweed</u>
Lespedeza repens	Creeping bush-clover
Liatris [scariosa var.] novae-angliae	[Blazing star] <u>New England blazing-star</u>
Lilaeopsis chinensis	Lilaeopsis
Limosella australis	Mudwort
*Linum intercursum	Sandplain flax
[Liquidambar styraciflua]	[Sweet gum]

[(native populations only)]

*Ludwigia polycarpa	Many-fruited false-loosestrife
Lycopus amplexans	Clasping-leaved water-horehound
Lygodium palmatum	Climbing fern
*Lyonia mariana	Stagger-bush
* <u>Malaxis bayardii</u>	<u>Bayard's white adder's mouth</u>
Mitella nuda	Naked miterwort
*Nuphar advena	Large yellow pond lily
*Nuphar microphylla	Small yellow pond lily
*Oenothera fruticosa	Sundrops
Opuntia humifusa	Eastern prickly pear
Orontium aquaticum	Golden club
*Orthilia secunda	One-sided pyrola
Oxalis violacea	Violet wood-sorrel
Panax quinquefolius	American ginseng
[*Panicum rigidulum var. elongatum]	[Tall flat panic-grass]
*Panicum verrucosum	Warty panic grass
*Paronychia fastigiata	Hairy forked chickweed
*Paspalum setaceum var. psammophilum	[Bead grass] <u>Thin paspalum</u>
*Phaseolus polystachios var. polystachios	Wild kidney bean
<u>Phragmites americanus</u>	<u>American reed</u>
Plantago virginica	Hoary plantain
*Platanthera dilatata	Tall white bog orchid
Platanthera flava var. herbiola	Pale green orchid
*Platanthera hookeri	Hooker's orchid
*Platanthera orbiculata	Large round-leaved orchid
[Podostemum ceratophyllum]	[Threadfoot]
*Polanisia dodecandra	Clammy-weed
<u>Polygala ambigua</u>	<u>Alternate milkwort</u>
[*]Polygonum glaucum	Seabeach knotweed
[Potentilla arguta]	[Tall cinquefoil]
*Prunus alleghaniensis	Alleghany plum
*Prunus maritima var. gravesii	Grave's beach plum
*Puccinellia [tenella ssp. alaskana] <u>pumila</u>	Goose grass
Quercus macrocarpa	Bur oak
*Ranunculus flammula var. [filiformis] <u>reptans</u>	Creeping spearwort
[Ranunculus longirostris]	[White water-crowfoot]
[*]Ranunculus pensylvanicus	Bristly buttercup
*Rhus aromatica	Fragrant sumac (native populations only)
Ribes glandulosum	Skunk currant
*Ribes lacustre	Swamp black currant
Ribes rotundifolium	Wild currant
*Rosa nitida	Shining rose
Rubus cuneifolius	Sand [bramble] <u>blackberry</u>
*Rumex [maritimus] <u>persicarioides</u>	Sea-side dock
*Sabatia dodecandra	Large marsh pink
Sagittaria subulata	[Arrowleaf] <u>Awl-leaved arrowhead</u>

Salix petiolaris	Slender willow
[Salix serissima]	[Autumn willow]
Schizachne purpurascens	Purple oat
*Schwalbea americana	Chaffseed
_Scirpus georgianus	Georgia bulrush
*Scirpus longii	Long's bulrush
*Scleria verticillata	Low nutrush
[Senna hebecarpa]	[Wild senna]
*Smilax hispida	Bristly greenbriar
*Solidago aestivalis	<u>Early wrinkle-leaved goldenrod</u>
*Solidago latissimifolia	Elliott's goldenrod
[*Solidago rugosa var. sphagnophila]	[Early wrinkle-leaved goldenrod]
Spiranthes tuberosa var. grayi	Little ladies'-tresses
[Stachys tenuifolia]	[Smooth hedge-nettle]
Stellaria borealis	Northern stitchwort
*Symphyotrichum prenanthoides	Crooked-stem aster
Trichomanes intricatum	Appalachian gametophyte
*Trichophorum alpinum	[Cotton] <u>Alpine</u> bulrush
[Trisetum spicatum]	[Spiked false oats]
*Vaccinium vitis-idaea ssp. minus	Mountain cranberry
*Valerianella radiata	Beaked corn-salad
*Veratrum latifolium	Hybrid bunchflower
*Verbena simplex	Narrow-leaved vervain
*Viburnum nudum	Possum haw
[Viburnum prunifolium]	[Smooth black-haw]
[Viola adunca]	[Hook-spurred violet]
Viola canadensis	Canada violet
*Viola hirsutula	Southern wood violet
Viola nephrophylla	Northern bog violet
[*Viola renifolia]	[Kidney-leaf white violet]
Viola selkirkii	Great-spurred violet
[*Viola striata]	[Striped violet]
[Vitis X novae-angliae]	[New England grape]

*Believed Extirpated

Statement of Purpose

As authorized pursuant to CGS section 26-306, the proposed amendments are to update the lists of species which are endangered, threatened or of special concern. Pursuant to CGS 26-307, the commissioner of the Department of Environmental Protection is required to review, at least every five years, the designation of species to determine whether species should be: (1) Added or removed from the list; or, if necessary, (2) change the designation.

CERTIFICATION

This certification statement must be completed in full, including items 3 and 4, if they are applicable.

- 1) I hereby certify that the above (check one) Regulations Emergency Regulations
- 2) are (check all that apply) adopted amended repealed **by this agency pursuant to the following authority(ies):** (complete all that apply)
 - a. Connecticut General Statutes section(s) _____.
 - b. Public Act Number(s) _____.
(Provide public act number(s) if the act has not yet been codified in the Connecticut General Statutes.)
- 3) **And I further certify that notice of intent to adopt, amend or repeal said regulations was published in the Connecticut Law Journal on _____;**
(Insert date of notice publication if publication was required by CGS Section 4-168.)
- 4) **And that a public hearing regarding the proposed regulations was held on _____;**
(Insert date(s) of public hearing(s) held pursuant to CGS Section 4-168(a)(7), if any, or pursuant to other applicable statute.)
- 5) **And that said regulations are EFFECTIVE** (check one, and complete as applicable)
 - When filed with the Secretary of the State
 - OR** on (insert date) _____

DATE	SIGNED (Head of Board, Agency or Commission)	OFFICIAL TITLE, DULY AUTHORIZED
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APPROVED by the Attorney General as to legal sufficiency in accordance with CGS Section 4-169, as amended

DATE	SIGNED (Attorney General or AG's designated representative)	OFFICIAL TITLE, DULY AUTHORIZED
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*Proposed regulations are **DEEMED APPROVED** by the Attorney General in accordance with CGS Section 4-169, as amended, if the attorney General fails to give notice to the agency of any legal insufficiency within thirty (30) days of the receipt of the proposed regulation.*

(For Regulation Review Committee Use ONLY)

- Approved Rejected without prejudice
- Approved with technical corrections Disapproved in part, (Indicate Section Numbers disapproved only)
- Deemed approved pursuant to CGS Section 4-170(c)

By the Legislative Regulation Review Committee in accordance with CGS Section 4-170, as amended	DATE	SIGNED (Administrator, Legislative Regulation Review Committee)
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Two certified copies received and filed and one such copy forwarded to the Commission on Official Legal Publications in accordance with CGS Section 4-172, as amended.

DATE	SIGNED (Secretary of the State)	BY
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(For Secretary of the State Use ONLY)

GENERAL INSTRUCTIONS

1. All regulations proposed for adoption, amendment or repeal, *except* emergency regulations, must be presented to the Attorney General for his/her determination of legal sufficiency. (See CGS Section 4-169.)
2. After approval by the Attorney General, the original and one electronic copy (in Word format) of all regulations proposed for adoption, amendment or repeal must be presented to the Legislative Regulation Review Committee for its action. (See CGS Sections 4-168 and 4-170 as amended by Public Act 11-150, Sections 18 and 19.)
3. Each proposed regulation section must include the appropriate regulation section number and a section heading. (See CGS Section 4-172.)
4. New language added to an existing regulation must be in underlining or CAPITAL LETTERS, as determined by the Regulation Review Committee. (See CGS 4-170(b).)
5. Existing language to be deleted must be enclosed in brackets []. (See CGS 4-170(b).)
6. A completely new regulation or a new section of an existing regulation must be preceded by the word "(NEW)" in capital letters. (See CGS Section 4-170(b).)
7. The proposed regulation must have a statement of its purpose following the final section of the regulation. (See CGS Section 4-170(b).)
8. The Certification Statement portion of the form must be completed, including all applicable information regarding *Connecticut Law Journal* notice publication date(s) and public hearing(s). (See more specific instructions below.)
9. Additional information regarding rules and procedures of the Legislative Regulation Review Committee can be found on the Committee's web site: <http://www.cga.ct.gov/rr/>.
10. A copy of the Legislative Commissioners' Regulations Drafting Manual is located on the LCO website at http://www.cga.ct.gov/lco/pdfs/Regulations_Drafting_Manual.pdf.

CERTIFICATION STATEMENT INSTRUCTIONS

(Numbers below correspond to the numbered sections of the statement)

1. Indicate whether the regulation is a regular or an emergency regulation adopted under the provisions of CGS Section 4-168(f).
2.
 - a) Indicate whether the regulations contains newly adopted sections, amendments to existing sections, and/or repeals existing sections. Check all cases that apply.
 - b) Indicate the specific legal authority that authorizes or requires adoption, amendment or repeal of the regulation. If the relevant public act has been codified in the most current biennial edition of the *Connecticut General Statutes*, indicate the relevant statute number(s) instead of the public act number. If the public act has not yet been codified, indicate the relevant public act number.
3. Except for emergency regulations adopted under CGS 4-168(f), and technical amendments to an existing regulation adopted under CGS 4-168(g), an agency must publish notice of its intent to adopt a regulation in the *Connecticut Law Journal*. Enter the date of notice publication.
4. CGS Section 4-168(a)(7) prescribes requirements for the holding of an agency public hearing regarding proposed regulations. Enter the date(s) of the hearing(s) held under that section, if any; also enter the date(s) of any hearing(s) the agency was required to hold under the provisions of any other law.
5. As applicable, enter the effective date of the regulation here, or indicate that it is effective upon filing with the Secretary of the State. Please note the information below.

Regulations are effective upon filing with the Secretary of the State or at a later specified date. See CGS Section 4-172(b) which provides that each regulation is effective upon filing, or, if a later date is required by statute or specified in the regulation, the later date is the effective date. An effective date may not precede the effective date of the public act requiring or permitting the regulation. Emergency regulations are effective immediately upon filing with the Secretary of the State, or at a stated date less than twenty days thereafter.