



Request for Natural Diversity Data Base (NDDB) State Listed Species Review

All requesters must completely fill out Parts I - VII of this form and submit Attachments A and B, or the request will be rejected as incomplete.
There are no fees associated with NDDB Reviews.

DEP USE ONLY	
Request No.	_____
Hardcopy _____	Electronic files _____

Part I: Preliminary Screening

Before submitting this request, you must review the Natural Diversity Data Base "State and Federal Listed Species and Significant Natural Communities Maps" found on the [DEP website](#). Follow the instructions on the map or in this form's instruction document. These maps are updated twice a year, usually in June and December.

Does your site, including all affected areas, meet the screening criteria according to the instructions:

Yes No

Enter the date of the map reviewed for pre-screening: Dec 2010

Part II: Requester Information

If the requester is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the company name shall be stated **exactly as it is registered with the Secretary of State.*

If the requester is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).

1. Requester Company Name*: **Exide Group, Inc. c/o Vale**

Name: **K.L. Money**

Address: **200 Bay Street, Suite 1500, South Tower**

City/Town: **Toronto, Canada**

State: **ON**

Zip Code: **M5J 2K2**

Business Phone: **910-509-7211**

ext.

Fax: **910-256-1900**

Requester can best be described as:

Business Entity Federal Agency Municipal govt. State agency Individual

Tribe Other (specify):

Acting as (Affiliation), pick one:

Property owner Consultant Engineer Facility owner Applicant

Biologist Pesticide Applicator Other representative (specify):

2. List Primary Contact to receive Natural Diversity Data Base correspondence and inquiries, if different from requester.

Company: **CCA, LLC**

Contact Person: **Ralph Klass**

Title: **Dir. of Environmental Engineering**

Mailing Address: **40 Old New Milford Rd.**

City/Town: **Brookfield**

State: **CT**

Zip Code: **06804**

Business Phone: **203-775-6207**

ext. **16**

Fax: **203-775-3628**

Email: **ralphklass@ccaengineering.com**

Part II: Requester Information (continued)

Affiliation of primary contact, check one: Property owner Consultant Engineer
 Facility owner Applicant Biologist Pesticide Applicator
 Other representative (specify):

3. Project Type:

Choose Project Type: Dredging , if other describe: _____

Part III: Site Information

This request can only be completed for one site. A separate request must be filed for each additional site.

1. Site Location

Site Name or Project Name: **The Former Exide Battery Facility**

Town(s): **Fairfield, CT**

Street Address or Location Description:

A section of the Mill River extending from +/- 100 ft south of Harbor Rd. northerly +/-4000ft. to a pt. +/- 1000 ft. south of Sturges Bridge. 2190 Post Rd. is the +/- 6.23 acre former facility (open field) to be used for staging & transfer.

Size in acres, or site dimensions: **See above**

Latitude and longitude of the center of the site in decimal degrees (e.g., 41.23456 -71.68574):

Latitude: **41.140463**

Longitude: **-73.274345**

Method of coordinate determination (check one):

GPS Photo interpolation using CTECO map viewer Other (specify):

2a. Describe the current land use and land cover of the site.

The section of Mill River is currently not used recreationally or commercially. The former Exide battery facility lot is now a vegetated open field.

b. Check all that apply and enter the size in acres or % of area in the space after each checked category.

<input checked="" type="checkbox"/> Industrial/Commercial <u>+/- 6.23 acres</u>	<input type="checkbox"/> Residential _____	<input type="checkbox"/> Forest _____
<input type="checkbox"/> Wetland _____	<input type="checkbox"/> Field/grassland _____	<input type="checkbox"/> Agricultural _____
<input checked="" type="checkbox"/> Water <u>+/- 35 acres</u>	<input type="checkbox"/> Utility Right-of-way _____	
<input type="checkbox"/> Transportation Right-of-way _____	<input type="checkbox"/> Other (specify): _____	

Part IV: Project Information

1. Is the subject activity limited to the maintenance, repair, or improvement of an existing structure within the existing footprint? Yes No If yes, explain.

Part IV: Project Information (continued)

2. Give a detailed description of the activity which is the subject of this request and describe the methods and equipment that will be used.

The dredging of +/- 27,600 cu yds of lead-contaminated sediment. Hydraulic dredging methodology will be used, with sediments transported via pipeline to the site and dewatered via either mechanical dewatering or permeable textile bags; the supernatant being treated (if necessary) in holding tanks before returned to the river.

3. Provide a contact for questions about the project details if different from Part II primary contact.

Name:

Phone:

Email:

Part V: Request Type and Associated Application Type

Check *one* box from either Group 1 or Group 2, indicating the appropriate category for this request.

Group 1. If you check one of these boxes, fill out Parts I – VII of this form and submit the required attachments A and B.

- Preliminary screening was negative but an NDDDB review is still requested
- Request regards a municipally regulated or unregulated activity (no state permit/certificate needed)
- Request regards a preliminary site assessment or project feasibility study
- Request relates to land acquisition or protection
- Request is associated with a *renewal* of an existing permit, with no modifications

Group 2. If you check one of these boxes, fill out Parts I – VII of this form and submit required attachments A, B, and C.

- Request is associated with a *new* state or federal permit application
- Request is associated with modification of an existing permit
- Request is associated with a permit enforcement action
- Request regards site management or planning, requiring detailed species recommendations
- Request regards a state funded project, state agency activity, or CEPA request

If you are filing this request as part of a state or federal permit application enter the application information below.

Permitting Agency and Application Name:

Office of Long Island Sound Programs, Structures, Dredging, & Fill, & Tidal Wetlands

State DEP Application Number, if known: _____

State DEP Enforcement Action Number, if known: **CONSENT ORDER SRD-193**

State DEP Permit Analyst/Engineer, if known: _____

Is this request related to a previously submitted NDDDB request? Yes No

Enter the previous NDDDB Request Number(s), if known: **NDDDB File # 17119**

Part VI: Supporting Documents

Please check each attachment submitted as verification that *all* applicable attachments have been supplied with this request form. Label each attachment as indicated in this part (e.g., Attachment A, etc.) and be sure to include the requester's name, site name and the date. **Please note that Attachments A and B are required for all requesters.** Attachment C (DEP-APP-007C) is supplied at the end of this form.

<input checked="" type="checkbox"/> Attachment A:	Overview Map: an 8 1/2" X 11" print/copy of the relevant portion of a USGS Topographic Quadrangle Map clearly indicating the exact location of the site.
<input checked="" type="checkbox"/> Attachment B:	Detailed Site Map: fine scaled map showing site boundary details on aerial imagery with relevant landmarks labeled. (Site boundaries in GIS [ESRI ArcView shapefile, in NAD83, State Plane, feet] format can be substituted for detailed maps, see instruction document)
<input checked="" type="checkbox"/> Attachment C:	Supplemental Information, Group 2 requirement (attached, DEP-APP-007C) <input checked="" type="checkbox"/> Section i: Supplemental Site Information and supporting documents <input checked="" type="checkbox"/> Section ii: Supplemental Project Information and supporting documents

Part VII: Requester Certification

The requester *and* the individual(s) responsible for actually preparing the request must sign this part. A request will be considered incomplete unless all required signatures are provided.

<p>"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief."</p>	
Signature of Requester	Date
K.L. MONEY	VICE PRESIDENT
Name of Requester (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
RALPH A. KLASS	CCA - DIR. OF ENV. ENGINEERING
Name of Preparer (print or type)	Title (if applicable)

Note: Please submit the completed Request Form and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

Or email request to: dep.nddbrequest@ct.gov

Attachment C: Supplemental Information, Group 2 requirement

Section i: Supplemental Site Information

1. Existing Conditions

Describe all natural and man-made features including wetlands, watercourses, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted. Photographs of current site conditions may be helpful to reviewers.

SEE ATTACHMENT C-I

- Site Photographs (optional) attached
- Site Plan/sketch of existing conditions attached

2. Biological Surveys

Has a biologist visited the site and conducted a biological survey to determine the presence of any endangered, threatened or special concern species Yes No

If yes, complete the following questions and submit any reports of biological surveys, documentation of the biologist's qualifications, and any NDDB survey forms.

Biologist(s) name:

Habitat and/or species targeted by survey:

Dates when surveys were conducted:

- Reports of biological surveys attached
- Documentation of biologist's qualifications attached
- NDDB Survey forms for any listed species observations attached

Section ii: Supplemental Project Information

1. Provide a schedule for all phases of the project including the year, the month and/or season that the proposed activity will be initiated and the duration of the activity.

Dredging/dewatering activities will commence in June 2012 and shut down for winter in November 2012. Dredging/dewatering and off-site transport of sediments will re-start during March 2013 and come to completion by June 2013.

2. Describe and quantify the proposed changes to existing conditions and describe any on-site or off-site impacts. In addition, provide an annotated site plan detailing the areas of impact and proposed changes to existing conditions.

The following volumes of in-situ sediment will be removed from the following River Study Areas: Area I: 5,215 cu. yds.; Area II: 6,590 cu. yds.; Area III: 7,832 cu.yds.; Area IV: 1,156 cu. yds.; and Area V: 6,786 cu. yds., for a total of 27,578 cu. yds. of in-situ sediment. Impacts include the destruction of benthic habitat, and the possibility of resuspension of contaminated sediments. Dredged material will be managed on the upland parcel (2190 Post Road) for off-site disposal.

- Annotated Site Plan attached

ATTACHMENT C-I

Exide Group, Inc – c/o Vale

Attachment C: Supplemental Information, Group 2 requirement

Section i: Supplemental Site information

1. Existing Conditions

Describe all natural and man-made features including wetlands, fish and wildlife habitat, floodplains and any existing structures potentially affected by the subject activity. Such features should be depicted and labeled on the site plan that must be submitted, Photographs of current site conditions may be helpful to reviewers.

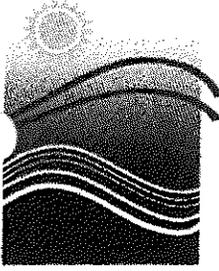
A habitat survey of the study area was conducted in June 2001 by trained wildlife biologists from Woodlot Alternatives. The study area contains three main habitats: aquatic bed habitat, emergent vegetation habitat and open water habitat that will be affected by dredging operations. Below is a short description of the habitats and lists of common species that will be affected by dredging operations.

As shown on Figures 1 and 2, aquatic bed habitat is prevalent in Areas I, II, III, and V. Area V has the largest area of aquatic bed habitat. Adjacent to the dam, in Area III, the aquatic vegetation consisted primarily of hollow green algae (*Entromorpha* sp.). In Areas I and II, hollow green algae co-dominant with horned pondweed (*Zannichellia palustris*). Horned pondweed is the dominant vegetation in Area V. These areas are habitats for invertebrates, such as juvenile blue crabs (*Callinectes sapidus*), grass shrimp (*Palaemonetes pugio*) and scuds (*Gammarus* sp.), as well as fish, such as mummichogs (*Fundulus heteroclitus*), four-spined sticklebacks (*Apeltes quadracus*), and seasonally migrating fish, such as blue fish (*Pomatomus saltatrix*) and striped bass (*Roccus saxatilis*), that use these habitats for shelter or while foraging for food. This habitat is also utilized by mallards (*Anas platyrhynchos*), Canada geese (*Branta canadensis*), mute swans (*Cygnus olor*), Black-crowned night-herons (*Nycticorax nycticorax*), snowy egrets (*Egretta thula*), great blue herons (*Ardea herodias*), and green herons (*Butorides virescens*).

Emergent vegetation habitat is present in all five areas of the Site (Figures 1 and 2). Area I has the largest area of emergent vegetation and is dominated by the common reed, *Phragmites*. Emergent vegetation in the area above the dam consisted mainly of common reed (*Phragmites australis*), with small amounts of cattail (*Typha angustifolia*),

and yellow iris (*Iris pseudacorus*). The emergent vegetation in Area IV consisted primarily of cordgrass (*Spartina cf. alterniflora*) and common reed. Ribbed mussels (*Geukensia demissa*) were observed utilizing the cordgrass as attachment sites in Area IV. Atlantic marsh fiddler crab (*Uca pugnax*) and scuds were observed burrowing among the cordgrass root system in Area IV. Bird species that may utilize emergent vegetation habitat include mute swans, mallards, Canada geese, marsh wren (*Cistothorus palustris*), yellow warbler (*Dendroica petechia*), common yellowthroat (*Gethylips trichas*), red-winged blackbird (*Agelaius phoeniceus*), spotted sandpiper (*Actitis macularia*), mourning dove (*Zenaida macroura*), song sparrow (*Melospiza melodia*), and common grackle (*Quiscalus quiscula*).

Open water habitat is present in all five areas of the Site (Figures 1 and 2). Areas II, III, and IV have the largest areas of open water habitat. Areas of open water habitat are utilized by blue fish and striped bass. Bird species that may utilize open water habitat for feeding include osprey (*Pandion haliaetus*), ring-billed gull (*Larus delawarensis*), herring gull (*Larus argentatus*), great black-backed gull (*Larus marinus*), belted kingfisher (*Ceryle alcyon*), tree swallow (*Tachycineta bicolor*), bank swallow (*Riparia riparia*), northern rough-winged swallow (*Stelgidopteryx serripennis*), barn swallow (*Hirundo rustica*), and purple martin (*Progne subis*).



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

August 18, 2011

Ralph Klass
CCA, LLC
40 Old New Milford Rd
Brookfield, CT 06804

Project: Dredging in the Mill River for lead abatement from the Former Exide Battery Facility, Fairfield
Request No.: 201106245

Dear Ralph Klass,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the proposed Dredging in the Mill River for lead abatement from the Former Exide Battery Facility, Fairfield, Connecticut. I have determined that the proposed activities will not impact any extant populations of Federal or State Endangered, Threatened or Special Concern Species that occur in the vicinity of this property.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or dawn.mckay@ct.gov. Thank you for consulting the Natural Diversity Data Base. Also be advised that this is a preliminary review and not a final determination. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

Sincerely,

Dawn M. McKay
Environmental Analyst 3