



SEA 368 INSPECTION REPORT

State Form 51594 (2-04)

Indiana Department of Natural Resources,
Division of Water
402 West Washington Street, Room W264
Indianapolis, IN 46204
ph. (317) 232-4160 or toll free 1-877-928-3755
Fax (317) 233-4579

SEA # _____ DATE _____

PROJECT INFORMATION

STREAM/LAKE _____

LOCATION _____

DOWNSTREAM

Section _____ NW / NE / SW / SE; Township _____ N / S; Range _____ E / W

Quadrangle _____ UTM _____ N _____ E

City/Town _____ Civil Township _____ County _____

UPSTREAM

Section _____ NW / NE / SW / SE; Township _____ N / S; Range _____ E / W

Quadrangle _____ UTM _____ N _____ E

City/Town _____ Civil Township _____ County _____

DESCRIPTION:

One sided construction: Yes No Vegetated buffer strip: Yes No, If "yes", strip width _____ feet

ATTENDEES

| | | phone | fax |
|-------------------|-----|-------|-----|
| Water | () | () | |
| Fish & Wildlife | () | () | |
| Soil Conservation | () | () | |
| IDEM | () | () | |
| County | () | () | |
| SWCD | () | () | |
| USF&WS | () | () | |
| USACE | () | () | |
| Other | () | () | |

IDNR-SEA 368 FIELD REVIEW CONDITIONS

The following checked-off items are the Department of Natural Resources' comments in the form of conditions, as they would appear on a Construction in a Floodway Permit or a Ditch Reconstruction Permit for the project, or in response to the Corps of Engineers as a result of a Section 404 review.

| Reference | Condition |
|-------------------------------|---|
| <input type="checkbox"/> ER11 | Revegetate all bare and disturbed areas, except for land that will be used for crop production in the next growing season, with a mixture of grasses (excluding all varieties of tall fescue) and legumes as soon as possible upon completion. Low endophyte tall fescue may be used in the ditch bottom and side slopes only |
| <input type="checkbox"/> ER16 | Do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Water's Environmental Unit |
| <input type="checkbox"/> ER17 | For salmonid streams, do not work in the waterway from March 15 through June 15 and from July 15 through November 30 without the prior written approval of the Division of Water's Environmental Unit |
| <input type="checkbox"/> ER19 | Do not cut any trees suitable for Indiana bat roosting (greater than 14 inches in diameter, living or dead, with loose hanging bark) from April 15 through September 15 |
| <input type="checkbox"/> ER20 | Do not excavate or place spoil in any riparian wetland |
| <input type="checkbox"/> ER31 | Limit any channel widening and bank disturbance to the (north/south/east/west) side of the waterway |
| <input type="checkbox"/> ER65 | Stabilize banks as work progresses so that no more than 200 lineal feet are left disturbed at the completion of the workday |
| <input type="checkbox"/> ER66 | Revegetate all areas disturbed during debris and sediment removal. Permanent seed and fertilize disturbed ditch banks at the end of each day. Revegetate areas with one of the seeding mixtures or species listed in the VEGETATIVE STABILIZATION AND SEEDING PRACTICE of the INDIANA DRAINAGE HANDBOOK from the Division of Water, Indiana Department of Natural Resources (October 1996) or other species that are approved by the Department as being suitable to site and climate conditions. At the completion of the project, re-seed and fertilize areas that do not have sufficient vegetative cover to control erosion |
| <input type="checkbox"/> ER67 | Protect newly seeded areas with anchored mulch at specified locations as listed under Special Conditions (page 7 of this form). Mulch materials, application rates, and anchoring methods must meet the criteria set forth in the INDIANA DRAINAGE HANDBOOK, Section 5.11 from the Division of Water, Indiana Department of Natural Resources (October 1996) or INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS, Sub-Section 3.1 from the Division of Soil Conservation, Indiana Department of Natural Resources (October 1992) |
| <input type="checkbox"/> ER70 | Revegetate all spoil materials deposited in areas not used for crop production |
| <input type="checkbox"/> ER72 | Use appropriate structural armament in channel straightening transition areas to blend with the existing channel. Use one of the appropriate structural armament practices listed in Section 5.5 of the INDIANA DRAINAGE HANDBOOK from the Division of Water, Indiana Department of Natural Resources (October 1996) |
| <input type="checkbox"/> ER73 | Install appropriate armament below pipe outfalls |
| <input type="checkbox"/> ER74 | Install drop structures where needed to convey runoff from adjacent areas to the channel without causing erosion |
| <input type="checkbox"/> ER75 | Where vegetation alone is not sufficient to prevent erosion in channel bends, use one of the appropriate structural armament practices listed in Section 5.5 of the INDIANA DRAINAGE HANDBOOK from the Division of Water, Indiana Department of Natural Resources (October 1996) |
| <input type="checkbox"/> ER76 | A representative of the Surveyor's Office or their contractor shall inspect erosion and sediment control practices daily and repair as necessary until all construction is complete and disturbed areas are permanently stabilized |

IDNR-SEA 368 FIELD REVIEW CONDITIONS (continued)

The following checked-off items are the Department of Natural Resources' comments in the form of conditions, as they would appear on a Construction in a Floodway Permit or a Ditch Reconstruction Permit for the project, or in response to the Corps of Engineers as a result of a Section 404 review.

| Reference | Condition |
|-------------------------------|--|
| <input type="checkbox"/> ER78 | Install appropriate sediment control measures to prevent the flow of sediment laden water, resulting from dredging operations, back into the watercourse |
| <input type="checkbox"/> FW02 | All work must conform with the existing bank at the upstream and downstream limits of the project site |
| <input type="checkbox"/> FW03 | Except for trees cabled in-place for bank protection, do not leave felled trees, brush, or other debris in the floodway |
| <input type="checkbox"/> FW21 | Align spoil piles parallel to flow; the toe of the spoil piles must be located at least 10 feet landward of the top of the streambank; and a _____-foot opening must be provided every _____-feet along the spoil piles' length |
| <input type="checkbox"/> FW33 | The plans for the project must include information that demonstrates that the project will not result in the lowering of _____ Lake, below its: 1) legally established water level of _____ feet, NGVD 2) average normal water level of _____ feet, NGVD, as determined from USGS lake level records, or 3) average water level of _____ feet, NGVD, as determined by the action of the water that has marked upon the soil of the bed of the lake a character distinct from that of the bank with respect to vegetation as well as the nature of the soil |
| <input type="checkbox"/> FW34 | Do not alter the average normal water level of _____ Lake; if the average normal water level of the lake is altered, it will be the responsibility of the _____ County Drainage Board to take corrective actions to restore the average normal water level of the lake and to mitigate for any damages incurred |
| <input type="checkbox"/> FW35 | Place all excavated materials at least 10 feet landward of the top of the ditch bank; spread all excavated materials evenly to a thickness not to exceed _____ and slope landward from the channel or completely remove from the floodway |
| <input type="checkbox"/> NP01 | Avoid adverse impacts to the following state listed species: _____ _____ |
| <input type="checkbox"/> OR03 | This project will occur within a section of _____ that has been designated as a _____ under the Indiana Natural, Scenic, and Recreational River System (IC 14-29-6). The applicant must contact _____ at 317-232-4070 for more information regarding this permit |

IDEM-SEA 368 FIELD REVIEW CONDITIONS

The following checked-off items are the Department of Environmental Management's comments which, if a Department of the Army Section 404 permit is required, may appear as conditions on an IDEM Section 401 Water Quality Certification. These conditions may be subject to change following the receipt of a complete application.

| Reference | Condition |
|---------------------------------|--|
| <input type="checkbox"/> IDEM01 | Submit an application to IDEM for Section 401 Water Quality Certification if the Corps requires an individual Section 404 permit, a Regional General Permit ¹ for impacts greater than 0.1 acre, or a Nationwide Permit for which IDEM has denied Water Quality Certification. Application forms are available through the IDEM office. ¹ The activity will impact (fill) more than one-tenth (0.1) of an acre of Waters of the United States, including wetlands, special aquatic sites, creeks, ditches, streams, rivers, deep water areas, or open water areas; or the activity will impact (fill) more than 300 linear feet of stream channel or shoreline. |
| <input type="checkbox"/> IDEM02 | Avoid and minimize impacts (filling or mechanical clearing) ² of jurisdictional wetlands to the greatest extent possible, and provide acceptable compensatory mitigation for all unavoidable impacts to jurisdictional wetlands greater than 0.1 acre. ² Mechanical clearing is the use of heavy equipment to push, pull, scrape, or excavate woody vegetation in order to remove it. |
| <input type="checkbox"/> IDEM03 | Field mark the area where the filling or mechanical clearing of wetlands is unavoidable. |
| <input type="checkbox"/> IDEM04 | Use solid tile and anti-seep collars on the portion of the tile line that transects the wetland. |
| <input type="checkbox"/> IDEM05 | Install appropriate sediment control measures to prevent the flow of sediment laden water, resulting from dredging operations, back into the watercourse. |
| <input type="checkbox"/> IDEM06 | Limit the physical disturbance of banks, other soils, and existing vegetation to that which is necessary to achieve the purpose of the project. |
| <input type="checkbox"/> IDEM07 | Deposit dredged material on upland, or old spoils that are considered upland. |
| <input type="checkbox"/> IDEM08 | Revegetate all bare and disturbed areas, except for land that will be used for crop production in the next growing season, with a mixture of grasses (excluding all varieties of tall fescue) and legumes as soon as possible upon completion. Low endophyte tall fescue may be used in the ditch bottom and side slopes only. |
| <input type="checkbox"/> IDEM09 | Perform daily seeding of the ditch banks if the project is conducted during the agricultural growing season; seed the ditch banks as soon as possible if the project activity occurs during the dormant season. |
| <input type="checkbox"/> IDEM10 | Conduct logjam removal and tree preservation consistent with the practices established in the <i>Indiana Drainage Handbook</i> . The handbook was prepared in accordance with State of Indiana Public Law 329-1995 to serve as an administrative and technical guide for drainage activities within Indiana streams and ditches. |
| <input type="checkbox"/> IDEM11 | Encourage landowners affected by this project to place grassed filter strips on land immediately bordering the stream. The federal <i>Conservation Reserve Program</i> offers competitive annual payments for this practice on a continual sign-up basis. In addition, certain areas may qualify for special cost share or incentive programs for the establishment of filter strips. Contact the local county Soil and Water Conservation District or the Natural Resources Conservation Service for program and practice specific information. |
| <input type="checkbox"/> IDEM12 | Spread dredged material, where possible, in a manner that will not impede overland flow to the stream. This will help eliminate adjacent berm buildup and associated "points of concentrated flow" that are erosive and require expensive land treatment practices. |
| <input type="checkbox"/> IDEM13 | Work from only one side of the stream, and where possible, from the side of the stream which does not have adjacent wetlands. If no wetlands are present, work from the side with the fewest trees and woody vegetation. If both banks are equally vegetated, work only from the north or east side, whichever is appropriate. |

IDEM-SEA 368 FIELD REVIEW CONDITIONS (continued)

The following checked-off items are the Department of Environmental Management's comments which, if a Department of the Army Section 404 permit is required, may appear as conditions on an IDEM Section 401 Water Quality Certification. These conditions may be subject to change following the receipt of a complete application.

| Reference | Condition |
|---------------------------------|--|
| <input type="checkbox"/> IDEM14 | Do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Water's Environmental Unit. |
| <input type="checkbox"/> IDEM15 | For salmonid streams, do not work in the waterway from March 15 through June 15 and from July 15 through November 30 without the prior written approval of the Division of Water's Environmental Unit. |
| <input type="checkbox"/> IDEM16 | Do not cut any trees suitable for Indiana bat roosting (greater than 14 inches in diameter, living or dead, with loose hanging bark) from April 15 through September 15. |
| <input type="checkbox"/> IDEM17 | Ensure that the contractor performing the work complies with Section 311 of the Federal Clean Water Act and with 327 IAC 2-6.1 concerning spills of oil and/or hazardous materials. |

SEA 368 FIELD REVIEW SPECIAL CONDITIONS

The following checked-off items are:

IDNR — The Department of Natural Resources' comments in the form of conditions, as they would appear on a Construction in a Floodway Permit or a Ditch Reconstruction Permit for the project, or in response to the Corps of Engineers as a result of a Section 404 review.

IDEM — The Department of Environmental Management's comments which, if a Department of the Army Section 404 permit is required, may appear as conditions on an IDEM Section 401 Water Quality Certification. These conditions may be subject to change following the receipt of a complete application.

| Agency | Reference | Condition |
|---|----------------------|---|
| <input type="checkbox"/> IDNR <input type="checkbox"/> IDEM | (SP01)- _____ | _____ _____ _____ _____ _____ _____ _____ |
| <input type="checkbox"/> IDNR <input type="checkbox"/> IDEM | (SP02)- _____ | _____ _____ _____ _____ _____ _____ _____ |
| <input type="checkbox"/> IDNR <input type="checkbox"/> IDEM | (SP03)- _____ | _____ _____ _____ _____ _____ _____ _____ |
| <input type="checkbox"/> IDNR <input type="checkbox"/> IDEM | (SP04)- _____ | _____ _____ _____ _____ _____ _____ _____ |

ATTENDEE RECOMMENDATION

| <i>Signature of Attendee</i> | Agree with all project conditions checked | Agree with all project conditions except the following | Disagree with all project conditions checked |
|---|---|--|--|
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |
| _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> |
| <input type="checkbox"/> WATER <input type="checkbox"/> FISH & WILDLIFE <input type="checkbox"/> SOIL CONSERVATION <input type="checkbox"/> IDEM <input type="checkbox"/> COUNTY <input type="checkbox"/> SWCD <input type="checkbox"/> USF&WS <input type="checkbox"/> USACE <input type="checkbox"/> OTHER _____ | | | |

ADDITIONAL COMMENTS

DISPUTED CONDITIONS

CODE

REASON

| | |
|--|--|
| | |
| | |
| | |
| | |