Agenda

Environmental Protection Commission

Tuesday, January 20, 2026

Teleconference: 614-686-0310 PIN: 564 757 480#

Video Conference: meet.google.com/wps-igfq-dsb

Tuesday, January 20, 2025
10:30 AM – EPC Business Meeting

If you are unable to attend the business meeting, comments may be submitted for public record to Alicia Plathe at Alicia.Plathe@dnr.iowa.gov or 6200 Park Ave, Des Moines IA 50321 up to 24 hours prior to the business meeting.

1	Approval of Agenda	
2	Approval of the Minutes	
3	Monthly Reports	Ed Tormey (Information)
4	Director's Remarks	Kayla Lyon (Information)
5	Contract with Iowa State University-Ambient Lakes Monitoring	Dan Kendall (Decision)
6	Contract with Iowa State University- Black Hawk Lake Watershed Monitoring	Jason Palmer (Decision)
7	Contract with Iowa Department of Agriculture and Land Stewardship (IDALS)-Protect Rathbun Lake Project	Ginger Murphy (Decision)
8	Upcoming Meetings • Tuesday, February 17, Des Moines • Tuesday, March 17, Des Moines	

For details on the EPC meeting schedule, visit http://www.iowadnr.gov/About-DNR/Boards-Commissions

The Iowa Department of Natural Resources (DNR) does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, English-language proficiency, disability, or age in the administration of its programs or activities in accordance with applicable laws and regulations. DNR will not tolerate discrimination, intimidation, threats, coercion, or retaliation against any individual or group because they have exercised their rights protected by federal or state law.

[1]Comments during the public participation period regarding proposed rules or notices of intended action are not included in the official comments for that rule package unless they are submitted as required in the Notice of Intended Action.

Any person with special requirements such as those related to mobility or hearing impairments who wishes to participate in the public meeting should promptly contact the DNR or ADA Coordinator at 515-725-8200, Relay Iowa TTY Service 800-735-7942, or Webmaster@dnr.iowa.gov to advise of specific needs.

MINUTES OF THE
ENVIRONMENTAL PROTECTION COMMISSION
MEETING

December 9, 2025

6200 Park Ave, Des Moines, Iowa, 50321 and
Video Teleconference

Approved by the Commission TBD

RECORD COPY	
File Name	Admin 01-05
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Meeting Minutes

CALL TO ORDER

The meeting of the Environmental Protection Commission (Commission or EPC) started at 10:00 AM on December 9, 2025 via video/teleconference attendees. Board Administrator Alicia Plathe provided opening remarks and turned the meeting over to General Counsel Tamara McIntosh. Ms. McIntosh stated that due to the absence of officers, the Commission would elect a temporary Acting Chair until Chair Stutsman could join the meeting.

Ms. McIntosh asked for a floor nomination for an Acting Chair. A motion was made by Rebecca Dostal to elect Roger Zylstra as Acting Chair. Ms. McIntosh asked for a voice vote. There were no nay votes. The motion passed.

COMMISSIONERS PRESENT

Roger Zylstra
Rebecca Dostal
Kyle Tobiason
Jason Ballard
Dawn Refsell
Jim Christensen
Mark Stutsman (joined around 11:00am)

COMMISSIONERS ABSENT

Amy Echard
Patricia Foley

APPROVAL OF AGENDA

Motion was made by Rebecca Dostal to approve the agenda as presented. Seconded by Dawn Refsell.
Acting Chairperson Roger Zylstra asked for a voice vote. There were no nay votes. Motion passes.

APPROVED AS PRESENTED

APPROVAL OF MINUTES

Motion was made by Kyle Tobiason to approve the item as presented. Seconded by Jason Ballard.
Acting Chairperson Roger Zylstra asked for a voice vote. There were no nay votes. Motion passes.

APPROVED AS PRESENTED

MONTHLY REPORTS

- Division Administrator Ed Tormey invited General Counsel Tamara McIntosh to provide an overview of the EO10 rulemaking process, including the steps that have been taken prior to the presentation of the day's Notices of Intended Action. Ms. McIntosh also outlined the steps that follow the approval of each NOIA until they return to EPC as Final rules.

INFORMATION

DIRECTOR'S REMARKS

- None

ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) PROGRAM FISCAL YEAR 2025 ANNUAL REPORT

Jennifer Wright presented the FY 25 annual report for the Environmental Management System. Ms. Wright provided an overview of the EMS and highlighted a few of the 2025 projects within the report. Commissioners commented on the need to continue to share these successes to broaden recycling programs.

Public Comments: None

Written Comments: None

INFORMATION

SUBRECIPIENT GRANT AGREEMENT WITH THE IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP (IDALS)-POINT SOURCE OPTIMIZATION

Adam Schnieders requested Commission approval for a subrecipient grant agreement with IDALS for a point source optimization project that focuses on the reduction of phosphorus and nitrogen.

Written Comments: None

Motion was made by Rebecca Dostal to approve the item as presented. Seconded by Jason Ballard.
Acting Chairperson Roger Zylstra asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Mark Stutsman-absent, Roger Zylstra-aye. Motion passes.

APPROVED AS PRESENTED

CLEAN WATER AND DRINKING WATER STATE REVOLVING LOAN FUND (SRF)-FY 2026 INTENDED USE PLANS-THIRD QUARTER UPDATE

Theresa Enright requested Commission approval for the FY25 third quarter update of the Clean Water and Drinking Water SRF Intended Use Plans. Ms. Enright noted the applications received in the third quarter were record-breaking for the program. Ms. Enright also reported that the loan amount for Oakland was incorrect and will be updated through an amendment to the plan.

Public Comments: None

Written Comments: None

Motion was made by Kyle Tobiason to approve the item as amended. Seconded by Rebecca Dostal.
Acting Chairperson Roger Zylstra asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Mark Stutsman-absent, Roger Zylstra-aye. Motion passes.

APPROVED AS AMENDED

CHAPTER 100, "SCOPE OF TITLE-DEFINITIONS-RULES OF PRACTICE"-NOTICE OF INTENDED ACTION (NOIA)

Mike Sullivan and Chad Stobbe requested Commission approval for the NOIA for Chapter 100.

Public Comments: None

Written Comments: None

Motion was made by Rebecca Dostal to approve the item as presented. Seconded by Dawn Refsell.
Acting Chairperson Roger Zylstra asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Mark Stutsman-absent, Roger Zylstra-aye. Motion passes.

APPROVED AS PRESENTED

CHAPTER 101, "SANITARY DISPOSAL PROJECTS;" CHAPTER 106, "CITIZEN CONVENIENCE CENTERS AND TRANSFER STATIONS;" CHAPTER 113, "SANITARY LANDFILLS FOR MUNICIPAL SOLID WASTE: GROUNDWATER PROTECTION SYSTEMS FOR THE DISPOSAL OF

NONHAZARDOUS WASTES;" CHAPTER 114, "SANITARY LANDFILLS: CONSTRUCTION AND DEMOLITION WASTES;" AND CHAPTER 115, "SANITARY LANDFILLS: INDUSTRIAL MONOFILS"-NOTICE OF INTENDED ACTION (NOIA)

Mike Sullivan and Brian Rath requested Commission approval for a Notice of Intended Action for Chapters 101, 106, 113, 114, and 115.

Public Comments: None

Written Comments: None

Motion was made by Kyle Tobiason to approve the item as presented. Seconded by Jason Ballard.
Acting Chairperson Roger Zylstra asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Mark Stutsman-absent, Roger Zylstra-aye. Motion passes.

APPROVED AS PRESENTED

CHAPTER 102, "PERMITS AND RULES OF PRACTICE;" CHAPTER 108, "BENEFICIAL USE DETERMINATIONS: SOLID BY-PRODUCTS AS RESOURCES AND ALTERNATIVE COVER;" CHAPTER 116,"

Amie Davidson and Theresa Stiner requested Commission approval for a Notice of Intended Action for Chapters 102, 108, and 116.

Public Comments: None

Written Comments: None

Motion was made by Roger Zylstra to approve the item as presented. Seconded by Jim Christensen.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 103 – "SANITARY LANDFILLS: COAL COMBUSTION RESIDUE;" CHAPTER 123, "REGIONAL COLLECTION CENTERS AND SATELLITE FACILITIES;" AND CHAPTER 211, "FINANCIAL ASSISTANCE FOR THE MANAGEMENT OF HOUSEHOLD HAZARDOUS MATERIALS AND HAZARDOUS WASTE FROM VERY SMALL QUANTITY GENERATORS" – NOTICE OF INTENDED ACTION

Jennifer Wright requested Commission approval for a Notice of Intended Action for Chapters 103, 123, and 211.

Public Comments: None

Written Comments: None

Motion was made by Jason Ballard to approve the item as presented. Seconded by Roger Zylstra.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 104 – "SOLID WASTE COMPREHENSIVE PLANNING AND ENVIRONMENTAL MANAGEMENT SYSTEM REQUIREMENTS" AND CHAPTER 111, "ANNUAL REPORTS OF SOLID WASTE ENVIRONMENTAL MANAGEMENT SYSTEMS"– NOTICE OF INTENDED ACTION

Jennifer Wright requested Commission approval for a Notice of Intended Action for Chapters 104 and 111.

Public Comments: None

Written Comments: None

Motion was made by Jim Christensen to approve the item as presented. Seconded by Dawn Refsell.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 105, "HAZARDOUS CONDITIONS;" CHAPTER 131, "NOTICE OF HAZARDOUS CONDITIONS;" CHAPTER 133, "RULES FOR DETERMINING CLEANUP ACTIONS AND RESPONSIBLE PARTIES;" AND CHAPTER 137, "IOWA LAND RECYCLING PROGRAM AND RESPONSE ACTION STANDARDS" – NOTICE OF INTENDED ACTION

Shelly Nellesen requested Commission approval for a Notice of Intended Action for Chapters 105, 131, 133, and 137.

Public Comments: None

Written Comments: None

Motion was made by Jason Ballard to approve the item as presented. Seconded by Roger Zylstra.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 107, "BEVERAGE CONTAINERS DEPOSIT" – NOTICE OF INTENDED ACTION

Mary Klemesrud requested Commission approval for a Notice of Intended Action for Chapter 107. Ms. Klemesrud answered questions regarding the expansion of adding a deposit on additional beverage containers. Ms. Klemesrud also outlined the comments received during the informal comment period.

Public Comments: None

Written Comments: None

Motion was made by Kyle Tobiason to approve the item as presented. Seconded by Jason Ballard.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 109- "SPECIAL WASTE AUTHORIZATIONS" AND CHAPTER 209," LANDFILL ALTERNATIVES FINANCIAL ASSISTANCE PROGRAMS"-NOTICE OF INTENDED ACTION (NOIA)

Jennifer Wright requested Commission approval for a Notice of Intended Action for Chapters 109 and 209.

Public Comments: None

Written Comments: None

Motion was made by Rebecca Dostal to approve the item as presented. Seconded by Dawn Refsell.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 134, "UNDERGROUND STORAGE TANK CERTIFICATION PROGRAMS"-NOTICE OF INTENDED ACTION (NOIA); CHAPTER 135, "TECHNICAL STANDARDS AND CORRECTIVE ACTION REQUIREMENTS FOR OWNERS AND OPERATORS OF UNDERGROUND STORAGE TANKS"-NOTICE OF INTENDED ACTION (NOIA); CHAPTER 136, "FINANCIAL RESPONSIBILITY FOR UNDERGROUND STORAGE TANKS"-NOTICE OF INTENDED ACTION (NOIA)

Keith Wilken and Charlotte Richards requested Commission approval for the NOIAs for Chapter 134, 135, and 136. Mr. Wilken highlighted some of the notable changes between the rescinded chapters and the new proposed chapters. General Counsel Tamara McIntosh provided an overview of the additional opportunities for public comment in the rulemaking process, including the opportunity for rule refinement. She also indicated that items 16,

17, and 18 can be voted on en bloc under one commission vote. Commissioners discussed opportunities to improve stakeholder engagement during the formal rulemaking process.

Public Comments:

- John Maynes, Fuel Iowa: Mr. Maynes provided an overview of stakeholder engagement in the EO10 process to date. Mr. Maynes commented that Fuel Iowa is not in favor of the chapters proposed. Fuel Iowa would like to see the removal of regulatory burden that exceeds federal regulation.
- Cara Ingle, Iowa Petroleum Equipment Contractors Association: Ms. Ingle commented that the proposed revisions have additional burden on contractors and that IPECA does not support the rules as presented. Ms. Ingle said that the informal stakeholder process has not allowed adequate discussion with the Department and noted that the drafts of the rules provided to the stakeholders did not show tracked changes throughout the process. Ms. Ingle requested further revision of the rules within the boundaries of EO10 and requested for more transparent stakeholder engagement in the future.
- Patrick Rounds, PMMIC Insurance: Mr. Rounds commented that PMMIC provided several comments to the Department during the 2021 UST rulemaking process and noted that the Department agreed to consider several of those rule revisions in a follow-up rulemaking. This NOIA does not include those comments. Mr. Rounds noted that during the EO10 stakeholder process, stakeholders did not get to see tracked changes of the rule amendments and stakeholders had to do an extensive side by side comparison of previous rules to identify changes. PMMIC will continue to make requests for changes throughout the remainder of the EO10 rulemaking process, focusing on reducing the regulatory burden on owners and operators.

Written Comments: None

Motion was made by Dawn Refsell to amend items 16, 17, and 18 to add an additional hearing, and extend each of the hearing times to 2 hours in length. Seconded by Rebecca Dostal.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

Motion was made by Jim Christensen to approve items 16, 17, and 18 as amended. Seconded by Jason Ballard.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS AMENDED

CHAPTER 149, "FEES FOR TRANSPORTATION, TREATMENT AND DISPOSAL OF HAZARDOUS WASTE"-NOTICE OF INTENDED ACTION

Matthew Graesch requested Commission approval for a Notice of Intended Action for Chapter 149.

Public Comments: None

Written Comments: None

Motion was made by Rebecca Dostal to approve the item as presented. Seconded by Dawn Refsell.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 152, "CRITERIA FOR SITING LOW-LEVEL RADIOACTIVE WASTE DISPOSAL OF HAZARDOUS WASTE"-NOTICE OF INTENDED ACTION

Mike Sullivan requested Commission approval for a Notice of Intended Action for Chapter 152.

Public Comments: None

Written Comments: None

Motion was made by Roger Zylstra to approve the item as presented. Seconded by Dawn Refsell.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 2, "PUBLIC RECORDS AND FAIR INFORMATION PRACTICES; CHAPTER 4, "AGENCY DECLARATORY ORDERS"

Kelli Book requested Commission approval for a Notice of Intended Action for Chapters 2 and 4.

Public Comments: None

Written Comments: None

Motion was made by Roger Zylstra to approve the item as presented. Seconded by Jason Ballard.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-absent, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 7, "RULES OF PRACTICE IN CONTESTED CASES"; CHAPTER 8, "CONTRACTS FOR SERVICES AND PUBLIC IMPROVEMENTS"; AND CHAPTER 11, "WAIVERS FROM ADMINISTRATIVE RULES" – FINAL RULE

Tamara McIntosh requested Commission approval for a Final Rule for Chapters 7, 8, and 11.

Public Comments: None

Written Comments: None

Motion was made by Roger Zylstra to approve the item as presented. Seconded by Dawn Refsell.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

CHAPTER 119 – "USED OIL AND USED OIL FILTERS;" CHAPTER 145, "HOUSEHOLD BATTERIES;" AND CHAPTER 213, "PACKAGING – HEAVY METAL CONTENT"– NOTICE OF INTENDED ACTION

Jennifer Wright requested Commission approval for a Notice of Intended Action for Chapters 119, 145, and 213.

Public Comments: None

Written Comments: None

Motion was made by Rebecca Dostal to approve the item as presented. Seconded by Jason Ballard.
Chairperson Mark Stutsman asked for a roll call vote. Dawn Refsell-aye, Amy Echard-absent, Jim Christensen-aye, Jason Ballard-aye, Rebecca Dostal-aye, Kyle Tobiason-aye, Patricia Foley-absent, Roger Zylstra-aye, Mark Stutsman-aye, Motion passes.

APPROVED AS PRESENTED

GENERAL DISCUSSION

- None

ADJOURN

Chairperson Mark Stutsman adjourned the Environmental Protection Commission meeting at 12:12 pm on December 9, 2025.

ADJOURNED

Monthly Waiver Report
December 2025

Item #	DNR Reviewer	Facility/City	Program	Subject	Decision	Date	Agency
1	Nate Tatar	Foam Fabricators, Inc.	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	11.25.25	25aqw227
2	Brandon Polzin	Weiler Products	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	12.2.25	25aqw228
3	Theresa Stiner	Skunk River Compost; 50-COM-01-22	Solid Waste	Skunk river is requesting a reduced separation distance between the composting area and the property line. The south aerated static pile is within 50 feet of the property line.	Approved	12.3.25	25sdw229
4	Jasmine Bootman	WDC Acquisition LLC	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	12.4.25	25aqw230
5	James C. Oppelt	City of Cedar Falls	CP (Wastewater)	The current Iowa Wastewater Design standards do not address nutrient removal treatment processes that include anoxic basins for nitrate removal.	Approved	12.3.25	25cpw231
6	John Curtin	Hoffmann, Schneider & Kitchen Funeral Home	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement for crematory incinerator	Approved	12.5.25	25aqw232
7	Rachel Quill	Transco Railway Products, Inc.	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	12.9.25	25aqw233
8	Keith Wilken	James Davis Certification Number 1028	Underground Storage Tank Section	Per 567 IAC Chapter 134.26(2)"b", an UST Liner Certification is required to perform integrity testing for tanks. The waiver requests we allow James Davis to use his UST Cathodic Protection Tester certification to perform integrity testing for tanks.	Approved	12.10.25	25utw234
9	Jasmine Bootman	VT Industries - Creative Composites	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	12.10.25	25aqw235
10	Erik Day,Dan Watterson,Dallas Heinkens, Kelli Book, Jessica Ragsdale	Derek Moellers	AFO	Separation distance from an existing well to an earthen basin & confinement building is not met.Water tests show nutrients have not impacted the well. Drilling a new well is costly & current well is constructed at higher elevation than earthen basin.	Approved	12.12.25	25cpw236
11	Keith Wilken	Crossroads Hampton UST Reg #198603238	Underground Storage Tank Section	Per 567 IAC Chapter 135.15(1)"e", an underground storage tank system that has not been properly temporarily closed for more than 12 months must be permanently closed. The waiver requests allowance of return to service requirements in lieu of closure.	Approved	12.15.25	25utw237
12	Fields, Heikens, Book, and Manz	Hough Family Farms	Animal Feeding Operation	An existing hand dug well for livestock only is located in the middle of an open feedlot pen. Owner requested variance from the 100' minimum due to site concerns and well drilling costs.	Denied	12.15.25	25cpw238
13	Michael Hermsen	Lewis Machine & Tool Co.	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	12.18.25	25aqw239
14	Julie Ritter	Pine Lake Corn Processors (PLCP)	AQ	Construction permit project number 25-404 was submitted on December 12, 2025. PLCP is requesting to pour concrete, install foundations, and to lay underground pipe prior to permit issuance.	Approved	12.17.25	25aqw240
15	Danjin Zulic	Seabee - 1st St Hampton Hydraulics	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	12.19.25	25aqw241
16	John Curtin	CHS Muscatine	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement for dry fertilizer receiving and truck and rail loadouts	Approved	12.22.25	25aqw242
17	Karen Kuhn	Merrill Iron & Steel	Air Quality Construction Permits	Waiver of Initial Stack Test Requirement.	Approved	12.18.25	25aqw243

IOWA DEPARTMENT OF NATURAL RESOURCES
LEGAL SERVICES BUREAU

DATE: January 2026

TO: Environmental Protection Commission

FROM: Tamara McIntosh

SUBJECT: Attorney General Referrals (October 2025 – December 2025)

Name, Location and Region Number	Program	Alleged Violation	DNR Action	Status	Date
City of Sioux City	Wastewater	Inadequate wastewater treatment	Referred to Attorney General	Referred Petition Filed Answer Filed by City Discovery Served Trial set for May 2023 continued; Trial set for April 23, 2024, continued Motion to Compel filed for discovery; resolved 12/14/23 Trial set for April 29, 2025 continued; Trial Scheduled for 4/21/26 Settlement approved by City Council	6/27/16 1/07/22 2/21/22 4/8/22 3/8/23 3/29/23 11/21/23 3/15/24 5/23/25 12/15/25
Global Fiberglass Solutions, LLC	Solid Waste	Illegal Stockpile	Referred to Attorney General	Referred Petition Filed Answer Filed by 2 Defendants Motion to Dismiss filed by 5 Defendants Hearing scheduled on Motion to Dismiss for 1/7/25 Order on Motion to Dismiss denying in part and granting in part Trial set for April 4, 2026 Application for Interlocutory Appeal on Responsible Corporate Officer Doctrine Order Staying Case Pending Interlocutory Appeal Iowa Supreme Court Granted Application for Interlocutory Appeal Briefing Schedule issued Appellant Brief Appellee Brief Appellant Reply Brief	7/7/21 9/25/24 12/3/24 12/4/24 2/12/25 3/6/25 3/14/25 3/18/25 4/14/25 5/13/25 8/28/25 9/29/25 10/20/25
Quad County Corn Processors Galva	Air Quality	Construction Permits, Violation of AO, Excess Emissions	Referred to Attorney General	Referred Petition Filed EQCV017155 Answer filed Order Scheduling Trial for 1/20/26 Discovery served Consent Decree Filed	12/19/23 01/7/25 2/28/25 5/27/25 10/21/25

Montipark LLC, and Shadbolt	Water Supply	Inadequate treatment and notice	Referred to Attorney General	Referred Petition Filed EQCV007808 Answer Filed Amended Petition Filed Amended Answer Discovery Served Trial Scheduled for 5/19/2026	10/15/24 1/28/25 5/23/25 7/6/25 7/29/25 8/20/25
Ames Business Group, LLC Burlington (6)	Solid Waste	Stockpiling wood pallets and other solid waste	Referred to Attorney General	Referred Petition Filed	8/19/25 11/17/25

IOWA DEPARTMENT OF NATURAL RESOURCES
LEGAL SERVICES BUREAU

DATE: January 2026

TO: Environmental Protection Commission

FROM: Tamara McIntosh

SUBJECT: Contested Cases (October 2025 – December 2025)

Date Received	Name Of Case	Action Appealed	Program	Assigned Attorney	Status
6/10/13	Mike Jahnke	Dam Application	FP	Schoenebaum	Hearing held 7/30/14. ALJ upheld the permit issued by the Department. Mr. Jahnke appealed but on 11/3/14 he asked that his appeal be put on hold until April 2015. For various reasons has asked that the appeal be postponed. Sept. 2017 – Mr. Jahnke called and asked that his appeal be put on hold until Spring 2018. September 2018 Mr. Jahnke called and asked that the matter be postponed to Spring '19. Jan. 2019 no changes, matter was postponed to Spring 2019. April 2019 – no change; matter postponed to Spring 2019. July 2019 – No changes. 10/25/19 – Mr Jahnke has called many times to discuss his ongoing medical problems and his families' each time he asks for the matter not to be placed on the agenda and asks for a delay. He again asked for a delay until Spring. 1/24/20 – Mr. Jahnke called again and explain ongoing medical problems and that he cannot be present for a winter meeting and asked that the matter continue to be delayed. 5/25/20 to the 2/21/23 – no changes 3/22.2023 – sent letter asking if he would like to withdraw his appeal or set it to go before the commission. A response was requested no later than April 12, 2023. April 2023 - Mr. Jahnke requested this not be set for argument before the EPC until October 2023 because of on-going health reasons. September 18, 2023, letter sent to Mr. Jahnke asking for a response NLT September 28, 2023 indicating if he

					would like to move forward with appeal or withdraw the appeal. Mr. Jahnke called Ms. Schoenebaum on September 28, 2023, and asked not to place this on the agenda because of serious health issues. **6/21/24 to present – No change**
11/9/17	IA Regional Utilities Association	Permit Issuance	WW	Schoenebaum (Poppelreiter)	10/25/18 –Negotiating before setting a hearing date. A final meeting with facility's new director is expected before the end of 2018. 01/24/19 –Negotiating before setting a hearing date. Meeting with permittee 1/24/19. Permittee must discuss options with Board. Decision from Permittee on whether to withdraw appeal or move forward with hearing is expected in Spring 2019. April 2019 – Waiting on permittee to decide whether to set a hearing or withdraw appeal. 10/25/19 – Permittee and DNR still in negotiations re: engineering proposals at the facility. No change in the appeal status. 1/24/20 – Finalizing the report on the progress they have made and will meet with DNR's Wastewater staff in February to discuss settlement options. 5/25/20 – No Changes 11/18/2020 - Ongoing negotiations with IRUA. No hearing set as yet. Looking into alternative solutions. 3/25/2021 - Continuing discussions with IRUA. Both parties are interested in non-litigation solutions. No hearing set. **5/27/21 to the present – No Changes**
9/19/25	Terri Mozzone et al. vs. DNR (Full Bohr Dairy)	Issuance of water use permit	WS	Adams	**Evidentiary Hearing set for March 2-3.**

9/19/25	Terri Mozzone et al. vs. DNR (KG4 Dairy)	Issuance of water use permit	WS	Adams	**Evidentiary Hearing set for March 9-10.**

IOWA DEPARTMENT OF NATURAL RESOURCES
LEGAL SERVICES BUREAU

DATE: January 2026

TO: Environmental Protection Commission

FROM: Tamara McIntosh

SUBJECT: Enforcement Report Update (October 2025 - December 2025)

The following new enforcement actions were taken during this reporting period:

Individual/Entity	Program	Alleged Violation	Type of Order/Action	Penalty Amount Due	Date
Ferdsons Family Farms Inc.	AFO	Manure Management Plan	Consent	$3,000.00	9/18/25
Keith Miller	AFO	Manure Certification	Consent	$3,000.00	9/18/25
Four County Crop Service, Inc.	WW	Prohibited Discharge	Consent	$6,000.00	9/18/25
Vision Atlantic, Inc.	WW	Stormwater Permit	Consent	$8,000.00	9/18/25
Brice Aukes	AFO	Manure Management Plan	Unilateral	$3,000.00	9/22/25
Chad Kauffman	AFO	Manure Management Plan	Unilateral	$3,000.00	9/22/25
Jason Larabee	AFO	Manure Discharge and Applicator Certification	Unilateral	$5,200.00	9/22/25
Walter, LLC	AFO	Manure Management Plan	Unilateral	$3,000.00	9/22/25
Knapp Properties	WW	Stormwater Permit	Consent	$5,500.00	9/24/25
JC Manning Investments, LLC and Frank Manning	AQ/SW	Open Burning/Improper Solid Waste Disposal	Consent	$7,200.00	10/3/25
City of West Des Moines	WW	Stormwater Permit and Prohibited Discharge	Consent	$8,000.00	10/7/25
Saddle Ridge, LLC	WW	Stormwater Permit and Prohibited Discharge	Consent	$5,000.00	10/7/25

JC Dillon, Inc.	AQ	Asbestos	Consent	$10,000.00	10/14/25
Cerne Calcium Carbonate Company, LLC	AQ	Permit Conditions, Emissions	Consent	$8,000.00	10/14/25
Midwest Holstein Feeders, LLC	AFO	Construction Permit	Consent	$3,500.00	10/17/25
Genosource, LLC	WW	Prohibited Discharge	Consent	$6,000.00	10/17/25
Cerne Calcium Carbonate Company, LLC	AQ	Compliance Date	Amendment	0	10/23/25
City of Osceola	WW	Effluent Limits	Consent	$1,500.00	10/23/25
Windmiller Development, LLC	WW	Stormwater Permit and Prohibited Discharge	Consent	$6,000.00	10/24/25
Central Iowa Recovery	AQ	Asbestos	Consent	$4,500.00	10/28/25
Corey Shearer	AFO	Manure Management Plan	Unilateral	$3,000.00	11/21/25
Leyva Gutierrez Dionisio Lazaro and Leslie Palaez Delgado	AFO	Manure Management Plan	Unilateral	$3,000.00	11/21/25
Brad Zieser	AFO	Manure Management Plan	Unilateral	$5,000.00	11/21/25
Craig Sandvick	AQ	Open Burning	Unilateral	0	12/1/25
Evan Blom	AFO	Construction Permit	Consent	$5,000.00	12/2/25
Zachary Hite	WS	Operator Certification	Consent	0	12/5/25
Matt and Mark Bagge	AFO	Construction Permit	Consent	$5,000.00	12/9/25
Zinpro Corporation	AQ	Permit Conditions, Emissions Inventory, Excess Emissions, Stack Testing	Consent	$10,000.00	12/12/25
City of Riceville	WW	Permit Conditions	Consent	$5,000.00	12/15/25
Grand Total			**$135,400.00**		

IOWA DEPARTMENT OF NATURAL RESOURCES
LEGAL SERVICES BUREAU

DATE: January 2026

TO: Environmental Protection Commission

FROM: Tamara McIntosh

SUBJECT: Summary of Administrative Penalties (October 2025 - December 2025)

The following administrative penalties are being collected by DRF:

NAME	PROGRAM	AMOUNT (remaining)
Jon Knabel	AQ/SW	$1,037.33
Randy Wise; Wise Construction	AQ/SW	$2,081.32
Gary Eggers	SW/WW	$10,000.00
Dennis R. Phillips; Marty's Convenience Mart	UT	$9,954.53
Frank Robak	UT	$10,000.00
Randy Cates	AQ/SW	$10,000.00
Jeff Gray dba Grayz Metal Recycling	AQ/SW	$918.53
Jayson Schlafke	AFO	$3,000.00
Strickler Farms, LTD	AFO	$2,592.78
Steve Seelye	AQ	750.00
Brandon Stewart	AQ/SW	$2,100.00
North Iowa Custom Finishing	AFO	$2,250.00
North Iowa Custom Finishing	AFO	$4,100.00
Jason Larabee	AFO	$7,500.00
Larrell DeJong	AFO	$6,223.26
Scott Ellsworth	AFO	$5,000.00
Jacob Wagoner	AQ	$4,000.00
James Ziebell	AQ	$10,000.00
Chanchai Sooksawan	AQ	$10,000.00
Kunkel Enterprises, LLC and Mike Kunkel	AQ	$8,000.00
Newt's Café	WS	$1,500.00
Blue Hyll Dairy LLC	AFO	$6,500.00
Michael Matthews	AQ	$4,630.00
Amritdeep Kaur - Pari	UT	$5,774.00
Amritdeep Kaur - Cissy's	UT	$7,000.00
Ronald, Dennis, and Nathan Stratton	FP	$5,000.00
Alexander Buck	AQ/SW	$1,530.00
Brookstone Specialty Services	WW	$10,000.00
CJ Construction	WW	$5,000.00
Mississippi Valley Meat	AFO	$3,000.00
Nolan Junker	AFO	$3,000.00
Nolan Junker	AFO	$7,000.00
Randy Less	FP	$2,500.00
Randy Reich	AQ	$3,100.00
Total		**$175,041.75**

The following administrative penalties are DUE:

NAME	PROGRAM	AMOUNT (remaining)
Recycling Services	WW/HC/SW	$7,000.00
Lu-Jen Farms	AFO	$5,000.00
Jaymaharaj, L.L.C. and Monaj Desai	HC	$7,000.00
Chad Roche	SW	$10,000.00
Brian Young	AQ	$7,000.00
Ames Business Group/Wesley Ames	SW	$10,000.00
William Shadbolt/Montipark LLC	WS	$10,000.00
Bradley Smith	AFO	$9,000.00
Waspy's Truck Wash, LLC	WW	$8,000.00
Colo Country Living LLC	AQ/SW/WW	$10,000.00
City of Randalia	WW	$1,000.00
Dean Sweeney	AQ	$3,500.00
Travis Dagel	AFO	$3,000.00
Troy Sedore	AQ/SW/WW	$10,000.00
Tanner Oleson	AFO	$3,000.00
Justin Nichols	AQ/SW	$5,000.00
Chuck Hansen	AFO	$4,000.00
Brice Aukes	AFO	$3,000.00
Chad Kauffman	AFO	$3,000.00
Jason Larabee	AFO	$5,200.00
Walter, LLC	AFO	$3,000.00
Bar BQ Pork	AFO	$500.00
Knapp Properties	WW	$5,500.00
Total		**$132,700.00**

The following administrative penalties have been COLLECTED:

NAME	PROGRAM	AMOUNT (Collected)
Iowa County Auditor	AQ/SW	$3,000.00
E&M Farms	WW	$1,750.00
E&M Farms	WW-Restitution	$2,088.62
Ferdsons Family Farm	AFO	$3,000.00
Keith Miller	AFO	$3,000.00
Four County Crop Service, Inc.	WW	$6,000.00
The City of Fort Dodge	WW	$8,000.00
ATC Inc.	WW	$1,125.00
Vision Atlantic Inc.	WW	$8,000.00
The City of Eagle Grove	WW	$10,000.00
MAFCO Builders	AQ/SW	$7,200.00
Darrell DeJong	AFO-Revenue	$2,100.00
Ames Business Group	AQ	$2,000.00
Thomas Gronbach	AQ/SW-Attorney General	$1,200.00
City of Dubuque	WW	$7,000.00
City of West Des Moines	WW	$8,000.00
Tyson Means	AQ/SW	$1,250.00
Shawn Gohlinghorst	AQ/SW	$1,250.00
Darrell Schipansky	AQ/SW	$1,250.00
Adam Timmerman	AFO	$3,000.00
Precision Custom Pumping, LLC	AFO	$2,000.00

Lake States Cattle Co., LLC	AFO	$3,500.00
GenoSource, LLC	WW	$6,000.00
Ten Hoeve Dairy LLC	AFO	$875.00
City of Osceola	WW	$1,500.00
Saddle Ridge LLC	WW	$5,000.00
JC Dillon Inc.	AQ	$10,000.00
Windmiller Development, LLC	WW	$6,000.00
Central Iowa Recovery, Inc.	AFO	$562.50
Evan Blum	AFO	$5,000.00
Darryl Humpal	AFO	$1,000.00
Amritdeep Kaur	UT-Revenue	$1,226.00
Jeff Ulrich	AFO	$3,000.00
Bar BQ Pork LLC	AFO	$1,500.00
Calcium Cerne Company	AQ	$8,000.00
Mark and Matt Bagge	AFO	$5,000.00
Total		**$140,377.12**

IOWA DEPARTMENT OF NATURAL RESOURCES
LEGAL SERVICES BUREAU

DATE: January 2026 (October 2025 – December 2025)
TO: Environmental Protection Commission
FROM: Tamara McIntosh
SUBJECT: Rulemaking Status Report

Rule Proposal	Notice to EPC	Notice Published	ARRC #	ARRC Mtg	Hearing(s)	Comment Period ends	Final to EPC	Rules Published	ARRC #	ARRC Mtg	Rules Effective
2	12/9/25	1/21/26									
4	12/9/25	1/21/26									
5	12/9/25	1/21/26									
6	12/9/25	1/21/26									
7, 8, 13	9/16/25	10/15/25	9604C	11/10/25	11/4/25	11/4/25	12/9/25	1/7/26			12/16/25
100	12/9/25	1/7/26									
101	12/9/25	1/7/26									
102	12/9/25	1/7/26									
103	12/9/25	1/7/26									
104	12/9/25	1/7/26									
105	12/9/25	1/7/26									
107	12/9/25	1/7/26									
109	12/9/25	1/7/26									
119, 145, 213	12/9/25	1/7/26									
134	12/9/25	1/7/26									
135	12/9/25	1/7/26									
136	12/9/25	1/7/26									
149	12/9/25	1/7/26									
152	12/9/25	1/7/26									

Iowa Department of Natural Resources
Environmental Protection Commission

ITEM #5 **DECISION**

Contract with IOWA STATE UNIVERSITY

Recommendation:
Commission approval is requested for a service contract with Iowa State University (ISU), on behalf of the Limnology Laboratory in the College of Ecology, Evolution, and Organismal Biology, located in Ames, Iowa.

Contract Terms:

Amount: Not to exceed $ 1,741,679.95

Dates: February 1, 2026, to June 30, 2029.

Funding Source(s): The source of funding for this Contract as follows: Iowa Code section 456A.33B Lake Restoration Program (100%) for Tasks 6, 7, and 14. The remaining Tasks 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, and 15 will be funded by Iowa Code section 8.57A Environment First Fund (60%) and Iowa Code section 456A.33B Lake Restoration Program (40%).

Statutory Authority: The statutory authority for this Contract is Iowa Code section 455B.103, Iowa Code section 8.57A Environment First Fund and Iowa Code section 456A.33B Lake Restoration Program.

Contract Background: This Contract encompasses the majority of lake water quality monitoring conducted as part of the state-wide water monitoring program and is the primary basis for assessing the state's lake water quality. The purpose of this program is to define the condition of Iowa's lakes, characterize the existing and emerging issues, measure changes or trends in water quality, and provide information to citizens and decision-makers. Specific ways the DNR intends to utilize the information gathered and analyzed in this Contract include: to fulfill Clean Water Act requirements of the DNR, which includes biennial reports on the status of lake water quality, impaired waters listing, and total maximum daily load reports. Data are also utilized to manage and evaluate this natural resource and allocate lake restoration funds most appropriately. Data collected through this program has also helped the Lake Restoration Program evaluate the success of restoration projects statewide. DNR maintains a public facing database (AQuiA) where data are housed and made available for use to the general public.

Contract Purpose: The parties propose to enter into this Contract to retain the Contractor to provide DNR with lake monitoring data. As part of this Contract ISU will provide field and analytical support for monitoring on approximately 154 of Iowa's significant publicly owned lakes and lakes in need of restoration. The majority of lakes will be monitored three times during the field season for basic water chemistry, nutrients, plankton composition, algal toxins, and clarity. A subset of lakes will be monitored more intensively for a total of six times over the field monitoring season. Additionally, ISU will provide analytical support for an additional 15 lakes sampled by DNR to assess water quality.

Contractor Selection Process:
Intergovernmental contracting with ISU is authorized by 11 IAC 118.4. Also, contracts with state universities and other public agencies for laboratory work, scientific field measurement and environmental quality evaluation services necessary to implement Iowa Code Chapter 455B are authorized by Iowa Code section 455B.103(3). ISU was chosen for this project because of extensive previous lake monitoring experience with DNR.

Contract History:
DNR has entered into contracts with ISU on a regular basis since 2000. ISU has completed similar lake monitoring to activities described in contracts with DNR in 2000-2007, and 2009-2020. The purpose of the contracts with ISU is to have ISU provide DNR with lake monitoring data, including water chemistry, biological and limnological analysis of Iowa's lakes. The most recent contracts have been the following (all with the 60/40% split between ESD and the Lake Restoration Program):

Contract #1: Timeframe: March 1, 2018, to January 31, 2021; Amount $566,209.20; Amendment: None.

Contract #2: Timeframe: January 1, 2021, to June 15, 2024; Amount $866,363.00; Amendment: The purpose of the Contract Amendment 1 was to correct the original start date of the contract, without additional money being paid out by DNR. The purpose of the Contract Amendment 2 was to extend the time allowed to perform the Tasks set out in the Original Contract, without additional money being paid out by DNR. The purpose of the Contract Amendment 3 was to extend the time allowed to perform the tasks set out in the Original Contract, without additional money being paid out by DNR.

Contract #3: Timeframe: March 1, 2024, to June 30, 2026; Amount $877,820.40; Amendment: The purpose of the Contract Amendment 1 was to add new Tasks to the Original Contract for additional money, without extending the time of performance previously allowed. The purpose of the Contract Amendment 2 was to remove a Task from the Original Contract and to remove money for that task, without extending the time of performance previously allowed.

Daniel Kendall
Environmental Specialist Senior, Water Quality Bureau
Environmental Services Division
January 20, 2026

Attachment(s): Contract Special Conditions

Section 5 STATEMENT OF WORK

5.1 ISU shall perform the Deliverables by the Milestone Dates as set forth in the table below. Unless stated otherwise in this Contract, ISU shall provide any personnel, facilities, equipment, materials and supplies required for ISU to carry out its obligations under this Contract.

Deliverables	Milestone Date
Task 1: Project Oversight **Description:** The Contractor shall provide staff qualified to conduct project activities (e.g. project oversight, field collection operations, laboratory analysis of chemical and biological samples, quality assurance, and reporting).	Ongoing throughout the term of this Contract
Task 2: Project Reporting **Description:** Twice a year, the Contractor shall provide a project progress report in writing detailing at a minimum: a) project progress or completion since the last report; b) work remaining on project; c) work due before next project progress report; d) issues or concerns; e) statement of the project's overall status.	2026 ● First semiannual progress report shall be completed no later than June 30, 2026. ● Second semiannual progress report shall be completed no later than December 31, 2026. 2027 ● First semiannual progress report shall be completed no later than June 30, 2027. ● Second semiannual progress report shall be completed no later than December 31, 2027. 2028 ● First semiannual progress report shall be completed no later than June 30, 2028. ● Second semiannual progress report shall be completed no later than December 31, 2028.
Task 3: Standard Ambient Lake Monitoring **Description:** a) In the spring prior to each sampling season, DNR will provide the Contractor with a finalized list (annual approved lake list) of the lakes to be monitored for the season and a finalized plan (annual round sampling plan) detailing the sampling round date ranges. An example of the annual approved lakes list is provided in Table 1; an example of the annual round sampling plan can be found in Table 2. b) The Contractor shall monitor each lake denoted as "Standard" in the annual approved lake list, subject to the following terms: i) Sites: Samples shall be collected from one site per lake, per sampling event. ii) Water Sample Collection Zone: Water samples shall be collected from the mixed upper layer of water for analysis of the parameters listed in Table 3. iii) A full set of phytoplankton and zooplankton samples shall be collected and preserved (Table 6) during each collection event. iv) Frequency: The Contractor perform a total of three sampling events per lake per calendar year, one in each of three sampling rounds, with a minimum of five weeks between each lake's sample collection, during the summers of 2026, 2027, and 2028 (respectively). No	2026 ● Annual lake monitoring list and annual round sampling plan shall be finalized no later than April 15, 2026. ● First round of monitoring shall begin no earlier than the start date called out in the finalized annual round sampling plan, and be completed no later than the end date called out in the finalized annual round sampling plan. 2027 ● Annual lake monitoring list and annual round sampling plan shall be finalized no later than April 15, 2027. ● First round of monitoring shall begin no earlier than the start date called out in the finalized annual round sampling plan, and be completed no later than the end date called out in the finalized annual round sampling plan. 2028 ● Annual lake monitoring list and annual round sampling plan shall be finalized no later than April 15, 2028. ● First round of monitoring shall begin no earlier than the start date called out in the finalized annual round sampling plan, and be completed

deviations from the annual round sampling plan shall occur without prior written consent of the DNR Technical Contact. In the case of lakes that are physically inaccessible throughout an entirety of a sampling round, the Contractor shall notify DNR that the lake was not sampled and the reasoning therefor no later than three days after the end of the sampling round. v) Field Monitoring: Each sampling event shall analyze all parameters listed in Table 4.	no later than the end date called out in the finalized annual round sampling plan.
Task 4: Intensive Ambient Lake Monitoring **Description:** a) The Contractor shall use the annual approved lake list to complete this Task. b) The Contractor shall monitor each lake denoted as "Intensive" on the annual approved lake list, subject to the following terms: i) Sites: Samples shall be collected from one site per lake, per sampling event. ii) Water Sample Collection Zone: Water samples shall be collected from the mixed upper layer of water and bottom water for analysis of the parameters listed in Table 3. iii) A subset of three phytoplankton and three zooplankton samples shall be collected and preserved (Table 6) from the six collection events. A sample shall be collected during the month of May; during the month of July; and during the month of September. iv) Frequency: The Contractor shall perform six sampling events per lake per calendar year, one in each of month from May through October, with a minimum of three weeks between each lake's sample collection, during the summers of 2026, 2027, and 2028. No deviations from this timeframe shall occur without prior written consent of the DNR Technical Contact. In the case of lakes that are physically inaccessible, the Contractor shall notify DNR that the lake was not sampled and the reasoning therefor no later than three days after the end of the sampling round. v) Field Monitoring: Each sampling event shall analyze all parameters listed in Table 4.	2026 ● Annual lake monitoring list shall be finalized no later than April 15, 2026. ● First month of monitoring shall begin no earlier than May 1, 2026, and the last month of monitoring shall be completed no later than October 31, 2026. 2027 ● Annual lake monitoring list shall be finalized no later than April 15, 2027. ● First month of monitoring shall begin no earlier than May 1, 2027, and the last month of monitoring shall be completed no later than October 31, 2027. 2028 ● Annual lake monitoring list shall be finalized no later than April 15, 2028. ● First month of monitoring shall begin no earlier than May 1, 2028, and the last month of monitoring shall be completed no later than October 31, 2028.
Task 5: Ambient Lake Chemical and Limnological Analysis **Description:** To provide chemical and limnological analysis of the lakes, the Contractor shall collect and process water samples during each of the sampling events described in Task 3 and Task 4. The Contractor shall analyze such samples for the full set of parameters listed in Table 5. Chemical and limnological data shall be submitted based on the schedule put forth in Task 8.	2026 ● See Task 8 for data reporting schedule. ● All chemical and limnological data reports shall be completed no later than December 31, 2026. 2027 ● See Task 8 for data reporting schedule. ● All chemical and limnological data reports shall be completed no later than December 31, 2027. 2028 ● See Task 8 for data reporting schedule. All chemical and limnological data reports shall be completed no later than December 31, 2028.
Task 6: Focused Alum Lake Intensive Monitoring **Description:**	2026

a) The Contractor shall use the annual approved lake list to complete this Task. b) The Contractor shall monitor each lake denoted as "Focused" on the annual approved lake list, subject to the following terms: i) Sites: Samples shall be collected from multiple sites per lake, per sampling event. ii) Water Sample Collection Zone: Water samples shall be collected from the mixed upper layer of water and bottom water based for analysis of the parameters listed in Table 3. iii) A full set of phytoplankton and zooplankton samples shall be collected and preserved (Table 6) during each collection event. iv) Frequency: The Contractor shall perform six sampling events per lake per calendar year, one in each of month from May through October, with a minimum of three weeks between each lake's sample collection, during the summers of 2026, 2027, and 2028. No deviations from this timeframe shall occur without prior written consent of the DNR Technical Contact. In the case of lakes that are physically inaccessible, the Contractor shall notify DNR that the lake was not sampled and the reasoning therefor no later than three days after the end of the sampling round. v) Field Monitoring: Each sampling event shall analyze all parameters listed in Table 4.	• Annual lake monitoring list shall be finalized no later than April 15, 2026. • First month of monitoring shall begin no earlier than May 1, 2026, and the last month of monitoring shall be completed no later than October 31, 2026. <u>2027</u> • Annual lake monitoring list shall be finalized no later than April 15, 2027. • First month of monitoring shall begin no earlier than May 1, 2027, and the last month of monitoring shall be completed no later than October 31, 2027. <u>2028</u> • Annual lake monitoring list shall be finalized no later than April 15, 2028. • First month of monitoring shall begin no earlier than May 1, 2028, and the last month of monitoring shall be completed no later than October 31, 2028.
Task 7: Focused Alum Lake Chemical and Limnological Analysis **Description:** To provide chemical and limnological analysis of the lakes, the Contractor shall collect and process water samples during each of the sampling events described in Task 6. The Contractor shall analyze such samples for the full set of parameters listed in Table 5. Chemical and limnological data shall be submitted based on the schedule put forth in Task 8.	<u>2026</u> • See Task 8 for data reporting schedule. • All chemical and limnological data reports shall be completed no later than December 31, 2026. <u>2027</u> • See Task 8 for data reporting schedule. • All chemical and limnological data reports shall be completed no later than December 31, 2027. <u>2028</u> • See Task 8 for data reporting schedule. • All chemical and limnological data reports shall be completed no later than December 31, 2028.
Task 8: Iowa DNR Extra Lakes Chemical and Limnological Analysis **Description:** The contractor shall provide chemical analysis of Lake water samples provided by DNR staff. a) DNR staff will collect up to 60 sets of samples of lake water per calendar year during the summers of 2026, 2027, and 2028 for analysis by the Contractor. b) Sampling sites will be selected by DNR prior to the sampling season and the list of sites and proposed sampling dates will be provided to the Contractor prior to data analysis.	<u>2026</u> • Sampling sites and proposed sampling dates shall be finalized no later than April 15, 2026. • The first set of samples will be delivered by DNR to the Contractor no earlier than May 1, 2026, and last set of samples will be delivered by DNR to the Contractor no later than October 31, 2026. • See Task 8 for data reporting schedule. • All chemical and limnological data reports shall be completed no later than December 31, 2026. <u>2027</u> • Sampling sites and proposed sampling dates shall be finalized no later than April 15, 2027.

c) For all samples intended to be collected pursuant to this Task, the Contractor shall provide to the DNR: i) all sample containers and preservatives; ii) a list of bottles needed for each parameter/site type; and, iii) a chain of custody template for water samples to be collected by DNR staff during the contract period. d) DNR will pick up sample containers at the ISU Limnology Lab facility and will deliver samples to ISU Limnology Lab in person for analysis. Analyses shall follow standard methods as agreed upon by DNR and shall follow the DNR-approved QAPP. e) Upon receipt of any sample collected pursuant to this Task, the Contractor shall analyze the sample for all parameters in Table 7 of this Contract, subject to the holding times specified in Table 7. f) Chemical data shall be submitted based on the schedule put forth in Task 8.	• The first set of samples will be delivered by DNR to the Contractor no earlier than May 1, 2027, and last set of samples will be delivered by DNR to the Contractor no later than October 31, 2027. • See Task 8 for data reporting schedule. • All chemical and limnological data reports shall be completed no later than December 31, 2027. <u>2028</u> • Sampling sites and proposed sampling dates shall be finalized no later than April 15, 2028. • The first set of samples will be delivered by DNR to the Contractor no earlier than May 1, 2028, and last set of samples will be delivered by DNR to the Contractor no later than October 31, 2028. • See Task 8 for data reporting schedule. • All chemical and limnological data reports shall be completed no later than December 31, 2028.
Task 9: Data Transfer **Description:** All chemical, physical, and biological data results from this Contract shall be submitted to DNR in electronic form for submittal to the DNR EQUIS compatible database. The Contractor shall generate and submit a summary table of data and appropriate metadata at the end of each round in excel format (.xlsx), as described in Table 8. The data summary shall also be converted by the Contractor to an up-loadable Excel (.xlsx) file for the EQUIS database, as described in Table 9. Depth profile data (temperature, dissolved oxygen, pH, specific conductance, turbidity, and total dissolved solids) in 0.25 meter increments including the surface shall be submitted to DNR with its respective data set in Excel spreadsheets for each individual sample or for each of the lakes listed in Table 1. Secchi disk photographs collected also shall be submitted with its respective data set.	<u>2026</u> • Standard ambient lakes round 1, intensive ambient lakes May and June, and focused lakes May and June results no later than July 31, 2026. • Standard ambient lakes round 2 results, any ambient intensive lakes, and focused lakes with complete results no later than September 15, 2026. • Standard ambient lakes round 3, all remaining ambient intensive lakes, and all remaining focused lakes results no later than November 30, 2026. <u>2027.</u> • Standard ambient lakes round 1, intensive ambient lakes May and June, and focused lakes May and June results no later than July 31, 2027. • Standard ambient lakes round 2 results, any ambient intensive lakes, and focused lakes with complete results no later than September 15, 2027. • Standard ambient lakes round 3, all remaining ambient intensive lakes, and all remaining focused lakes results no later than November 30, 2027. <u>2028.</u> • Standard ambient lakes round 1, intensive ambient lakes May and June, and focused lakes May and June results no later than July 31, 2028. • Standard ambient lakes round 2 results, any ambient intensive lakes, and focused lakes with

	complete results no later than September 15, 2028. • Standard ambient lakes round 3, all remaining ambient intensive lakes, and all remaining focused lakes results no later than November 30, 2028.
Task 10: Quality Assurance **Description:** As a condition precedent to performing Tasks 3-14 of this Contract, the Contractor shall obtain and maintain laboratory certification for the parameters described in Table 5 and/or Table 7 of this Contract prior to May 1, 2026. Failure by the Contractor to obtain the necessary laboratory certification by May 1, 2026, or maintain laboratory certification throughout the term of this Contract shall be grounds for DNR to terminate this Contract for cause. The Contractor shall also complete and submit to the DNR for approval a Quality Assurance Project Plan (QAPP) prior to sample collection each calendar year prior to the first sampling event of that year. All activities performed under Tasks 3 through 14 of this Contract shall comply with this DNR- approved QAPP. The Contractor shall utilize approved laboratory methods contained in Table 5 and Table 7 of this Contract. All Contractor requests for deviations from the QAPP shall be submitted to and approved in writing by the DNR Technical Contact prior to changing any protocols.	Laboratory certification shall be obtained by no later than May 1, 2026, and shall be maintained thereafter throughout the term of this Contract. All other obligations shall be ongoing throughout the term of this Contract unless noted in Table 4 and Table 6.
Task 11: Additional Sampling Effort or Special Projects **Description:** The Contractor shall complete additional analyses or monitoring as mutually agreed upon in writing by the contractor and DNR.	As agreed by the Contractor and DNR.
Task 12: 2025 Phytoplankton Analysis **Description:** To provide phytoplankton analysis of the lakes, the contractor shall analyze samples that were collected, preserved, and processed during the 2025 monitoring season. The phytoplankton samples shall be subject to the following terms: **i)** Required Parameters: Each 2025 phytoplankton samples shall be analyzed to determine the presence and amount of phytoplankton biomass, composition, and the percent cyanobacteria of total phytoplankton biomass. In cases where the contractor is unable to determine the presence and amount of phytoplankton in the sample due to sample degradation, the contractor shall notify the DNR no later than two weeks after the analysis of the sample. A list of these samples, including lake name and dates, shall be supplied with the final submitted dataset including their reason. **ii)** Approach: Analysis shall follow standard methods as agreed upon by DNR and shall follow the 2026 DNR-approved QAPP created by the Contractor.	2025 Plankton data report shall be completed and submitted no later than June 30, 2026.

iii) Submission: Phytoplankton biomass and composition data shall be submitted by the Contractor to DNR annually in Excel spreadsheets (see Table10).	
Task 13: Ambient Lake Phytoplankton and Zooplankton Analysis **Description:** To provide phytoplankton and zooplankton analysis of the lakes, the Contractor shall process and analyze plankton samples for each of the sampling events described in Task 3 and a subset of sampling events described in Task 4. The phytoplankton and zooplankton samples shall be subject to the following terms: **i)** Required Parameters: Each zooplankton sample shall be analyzed to determine the presence, biomass and composition of zooplankton. Each phytoplankton samples shall be analyzed to determine the presence and amount of phytoplankton biomass, composition, and the percent cyanobacteria of total phytoplankton biomass. **ii)** Approach: Analysis shall follow standard methods as agreed upon by DNR and shall follow the annual DNR-approved QAPP created by the Contractor. **iii)** Phytoplankton and zooplankton biomass and composition data shall be submitted by the Contractor to DNR annually in Excel spreadsheets (see Table10).	2026 ● Plankton data report shall be completed and submitted no later than May 15, 2027. 2027 ● Plankton data report shall be completed and submitted no later than May 15, 2028. 2028 ● Plankton data report shall be completed and submitted no later than May 15, 2029.
Task 14: Focused Alum Lake Phytoplankton and Zooplankton Analysis **Description:** To provide phytoplankton and zooplankton analysis of the lakes, the Contractor shall process and analyze plankton samples for each of the sampling events described in Task 6. The phytoplankton and zooplankton samples shall be subject to the following terms: **i)** Required Parameters: Each zooplankton sample shall be analyzed to determine the presence, biomass and composition of zooplankton. Each phytoplankton samples shall be analyzed to determine the presence and amount of phytoplankton biomass, composition, and the percent cyanobacteria of total phytoplankton biomass. **ii)** Approach: Analysis shall follow standard methods as agreed upon by DNR and shall follow the annual DNR-approved QAPP created by the Contractor. **iii)** Phytoplankton and zooplankton biomass and composition data shall be submitted by the Contractor to DNR annually in Excel spreadsheets (see Table10).	2026 ● Plankton data report shall be completed and submitted no later than May 15, 2027. 2027 ● Plankton data report shall be completed and submitted no later than May 15, 2028. 2028 ● Plankton data report shall be completed and submitted no later than May 15, 2029.
Task 15: Plankton Analysis Oversight **Description:** The Contractor shall provide staff qualified to conduct project activities (e.g. plankton laboratory analysis oversight, laboratory analysis of biological samples, quality assurance, and reporting).	Ongoing throughout the term of this Contract

7.4 Budget.

The budget for this Contract shall be as set out in the table below. This Contract is being entered into on a fixed-cost basis*, with the following payments due to ISU based on the budget identified below.

2026 Budget

Task*	Task Amount	Invoice Due No Later Than:

Tasks 1&2: Project Oversight and Project Reporting**	Invoice combined totals $136,400.00	July 31, 2026 January 31, 2027
Task 3: Standard Ambient Lake Monitoring* (3 sampling events per site location)**	Not to exceed $61,425.00 at a cost of $175.00 per sample event (Table 11).	August 15, 2026 September 30, 2026 December 15, 2026
Task 4: Intensive Ambient Lake Monitoring* (6 sampling events per site location)**	Not to exceed $21,000.00 at a cost of $175.00 per sample event (Table 12).	August 15, 2026 September 30, 2026 December 15, 2026
Task 5: Ambient Lake Chemical and Limnological Analysis***	Not to exceed $87,835.35 at the costs per test listed in Table 13.	August 15, 2026 September 30, 2026 December 15, 2026
Task 6: Focused Alum Lake Monitoring* (6 sampling events per site location)**	Not to exceed $17,850.00 at a cost of $185.00 per sample event (Table 14).	August 15, 2026 September 30, 2026 December 15, 2026
Task 7: Focused Alum Lake Chemical and Limnological Analysis***	Not to exceed $22,195.20 at the costs per test listed in Table 15.	August 15, 2026 September 30, 2026 December 15, 2026
Task 8: Iowa DNR Extra Lakes Chemical and Limnological Analysis***	Not to exceed $10,641.00 at the costs per test listed in Table 16.	August 15, 2026 September 30, 2026 December 15, 2026
Task 9: Data Transfer**	Invoice combined totals $22,800.00	August 15, 2026 September 30, 2026 December 15, 2026 January 31, 2027
Task 10: Quality Assurance**	Invoice combined totals $68,300.00	August 15, 2026 September 30, 2026 December 15, 2026 January 31, 2027
Task 11: Additional Sampling Effort or Special Projects**	Not to exceed $2,000.00	January 31, 2027
Task 12: 2025 Phytoplankton Analysis***	Not to exceed $24,720.00	May 31, 2027
Task 13: Ambient Lake Phytoplankton and Zooplankton Analysis***	Not to exceed $73,569.00 at the costs per test listed in Table 17.	May 31, 2027
Task 14: Focused Alum Lake Phytoplankton and Zooplankton Analysis***	Not to exceed $18,258.00 at the costs per test listed in Table 18.	May 31, 2027
Task 15: Plankton Analysis Oversight**	Invoice combined totals $11,080.00	July 31, 2026 January 31, 2027
Total	**Not to exceed $578,073.55**	

*Payment for completion of Tasks where specific payment is allotted shall be dependent upon the timely completion of corresponding items required by Tasks where no specific payment is allotted.

**"Fixed payment" shall mean that the Contractor shall be paid an amount that is fixed in the Contract. Payment also shall conform to any pricing Tables contained in this Contract and referenced in the Budget Table above.

***Variable payment" shall mean that the number of specific analyses per Task may vary, and the Contractor shall be paid only for the number of specific analyses performed per Task. "Fixed cost" shall mean that the Contractor shall be paid an amount that is fixed in the Contract, with no variations based on analyses per Task actually performed. Fixed-cost basis means fixed price.

2027 Budget

Task*	Task Amount	Invoice Due No Later Than:

Tasks 1&2: Project Oversight and Project Reporting**	Invoice combined totals $140,600.00	July 31, 2027 January 31, 2028
Task 3: Standard Ambient Lake Monitoring* (3 sampling events per site location)**	Not to exceed $59,940.00 at a cost of $180.00 per sample event (Table 11).	August 15, 2027 September 30, 2027 December 15, 2027
Task 4: Intensive Ambient Lake Monitoring* (6 sampling events per site location)**	Not to exceed $28,080.00 at a cost of $180.00 per sample event (Table 12).	August 15, 2027 September 30, 2027 December 15, 2027
Task 5: Ambient Lake Chemical and Limnological Analysis***	Not to exceed $95,330.40 at the costs per test listed in Table 13.	August 15, 2027 September 30, 2027 December 15, 2027
Task 6: Focused Alum Lake Monitoring* (6 sampling events per site location)**	Not to exceed $18,360.00 at a cost of $.00 per sample event (Table 14).	August 15, 2027 September 30, 2027 December 15, 2027
Task 7: Focused Alum Lake Chemical and Limnological Analysis***	Not to exceed $22,878.60 at the costs per test listed in Table 15.	August 15, 2027 September 30, 2027 December 15, 2027
Task 8: Iowa DNR Extra Lakes Chemical and Limnological Analysis***	Not to exceed $10,968.00 at the costs per test listed in Table 16.	August 15, 2027 September 30, 2027 December 15, 2027
Task 9: Data Transfer**	Invoice combined totals $23,500.00	August 15, 2027 September 30, 2027 December 15, 2027 January 31, 2028
Task 10: Quality Assurance**	Invoice combined totals $70,400.00	August 15, 2027 September 30, 2027 December 15, 2027 January 31, 2028
Task 11: Additional Sampling Effort or Special Projects**	Not to exceed $2,000.00	January 31, 2028
Task 13: Ambient Lake Phytoplankton and Zooplankton Analysis***	Not to exceed $75,829.50 at the costs per test listed in Table 17.	May 31, 2028
Task 14: Focused Alum Lake Phytoplankton and Zooplankton Analysis***	Not to exceed $18,819.00 at the costs per test listed in Table 18.	May 31, 2028
Task 15: Plankton Analysis Oversight**	Invoice combined totals $11,410.00	July 31, 2027 January 31, 2028
Total	**Not to exceed $578,115.50**	

*Payment for completion of Tasks where specific payment is allotted shall be dependent upon the timely completion of corresponding items required by Tasks where no specific payment is allotted.
**"Fixed payment" shall mean that the Contractor shall be paid an amount that is fixed in the Contract. Payment. Payment also shall conform to any pricing Tables contained in this Contract and referenced in the Budget Table above.
***Variable payment" shall mean that the number of specific analyses per Task may vary, and the Contractor shall be paid only for the number of specific analyses performed per Task. "Fixed cost" shall mean that the Contractor shall be paid an amount that is fixed in the Contract, with no variations based on analyses per Task actually performed. Fixed-cost basis means "fixed price."

2028 Budget

Task*	**Task Amount**	**Invoice Due No Later Than:**

Tasks 1&2: Project Oversight and Project Reporting**	Invoice combined totals $144,800.00	July 31, 2028 January 31, 2029
Task 3: Standard Ambient Lake Monitoring* (3 sampling events per site location)**	Not to exceed $65,490.00 at a cost of $185.00 per sample event (Table 11).	August 15, 2028 September 30, 2028 December 15, 2028
Task 4: Intensive Ambient Lake Monitoring* (6 sampling events per site location)**	Not to exceed $21,090.00 at a cost of $185.00 per sample event (Table 12).	August 15, 2028 September 30, 2028 December 15, 2028
Task 5: Ambient Lake Chemical and Limnological Analysis***	Not to exceed $92,367.00 at the costs per test listed in Table 13.	August 15, 2028 September 30, 2028 December 15, 2028
Task 6: Focused Alum Lake Monitoring* (6 sampling events per site location)**	Not to exceed $18,870.00 at a cost of $.00 per sample event (Table 14).	August 15, 2028 September 30, 2028 December 15, 2028
Task 7: Focused Alum Lake Chemical and Limnological Analysis***	Not to exceed $23,556.90 at the costs per test listed in Table 15.	August 15, 2028 September 30, 2028 December 15, 2028
Task 8: Iowa DNR Extra Lakes Chemical and Limnological Analysis***	Not to exceed $11,292.00 at the costs per test listed in Table 16.	August 15, 2028 September 30, 2028 December 15, 2028
Task 9: Data Transfer**	Invoice combined totals $24,300.00	August 15, 2028 September 30, 2028 December 15, 2028 January 31, 2029
Task 10: Quality Assurance**	Invoice combined totals $72,500.00	August 15, 2028 September 30, 2028 December 15, 2028 January 31, 2029
Task 11: Additional Sampling Effort or Special Projects**	Not to exceed $2,000.00	January 31, 2029
Task 13: Ambient Lake Phytoplankton and Zooplankton Analysis***	Not to exceed $78,090.00 at the costs per test listed in Table 17.	May 31, 2029
Task 14: Focused Alum Lake Phytoplankton and Zooplankton Analysis***	Not to exceed $19,380.00 at the costs per test listed in Table 18.	May 31, 2029
Task 15: Plankton Analysis Oversight**	Invoice combined totals $11,755.00	July 31, 2028 January 31, 2029
Total	**Not to exceed $585,490.90**	

*Payment for completion of Tasks where specific payment is allotted shall be dependent upon the timely completion of corresponding items required by Tasks where no specific payment is allotted.

**"Fixed payment" shall mean that the Contractor shall be paid an amount that is fixed in the Contract. Payment. Payment also shall conform to any pricing Tables contained in this Contract and referenced in the Budget Table above.

***Variable payment" shall mean that the number of specific analyses per Task may vary, and the Contractor shall be paid only for the number of specific analyses performed per Task. "Fixed cost" shall mean that the Contractor shall be paid an amount that is fixed in the Contract, with no variations based on analyses per Task actually performed. Fixed-cost basis means "fixed price."

TABLES

All tables which follow are incorporated into and are expressly part of this Contract.

Table 1. Example of an annual Lake List

LAKE NAME	COUNTY NAME	Monitoring Plan	Zone	UTM (NAD83)_E	UTM (NAD83)_N	Location Code
Ada Hayden	STORY	Intensive	15T	448061	4657288	14000235
Arbor Lake	POWESHIEK	Standard	15T	522208	4620023	22790004
Arrowhead Lake	SAC	Standard	15T	330913	4684821	22810001
Arrowhead Pond	POTTAWATTAMIE	Standard	15T	283366	4590394	22780002
[ETC.]	[ETC.]	[ETC.]	[ETC.]	[ETC.]	[ETC.]	[ETC.]

Table 2. Example of an annual round sampling plan

2024	
Round 1	Monitoring shall begin no earlier than May 16, 202X, and be completed no later than June 26, 202X.
Round 2	Monitoring shall begin no earlier than June 27, 202X, and be completed no later than August 14, 202X.
Round 3	Monitoring shall begin no earlier than August 15, 202X, and be completed no later than September 25, 202X.

Table 3. Water Sample Parameter and Collection Zone List

Parameter	Standard Ambient	Intensive Ambient	Focused Alum
Total Kjeldahl Nitrogen as N	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Ammonia as N	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Nitrate+ Nitrite as N	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Un-ionized Ammonia	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Total Phosphorus	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Total Reactive Phosphorus	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Soluble Reactive Phosphorus	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Total Fixed Suspended Solids (Inorganic Suspended Solids)	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Total Volatile Suspended Solids	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Total Suspended Solids	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Total Alkalinity	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Chlorophyll a	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Phycocyanin	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Total Microcystin	Upper Mixed Layer	Upper Mixed Layer	Upper Mixed Layer
Phytoplankton	Upper Mixed Layer	Upper Mixed Layer*	Upper Mixed Layer
Zooplankton	Upper Mixed Layer (Wisconsin Net)	Upper Mixed Layer (Wisconsin Net)*	Upper Mixed Layer (Wisconsin Net)
Total Phosphorus	NA	Bottom Water	Bottom Water
Total Reactive Phosphorus	NA	Bottom Water	Bottom Water
Soluble Reactive Phosphorus	NA	Bottom Water	Bottom Water

*3 of the 6 sampling events described in Task 4 (Intensive Ambient).

Table 4. Field Parameter List

Parameter	Method	Certification Required
Field Temperature	YSI ProDDS Sensor, Standard Method 2550 B	No
Field pH	YSI ProDDS Sensor, Standard Method 4500-H+ B	No
Field Dissolved Oxygen	YSI ProDDS Sensor, ASTM Method D888-09 (C)	No

Field Specific Conductance	YSI ProDDS Sensor, Standard Method 2510 B	No
Field TDS	YSI ProDDS Sensor, Calculated from specific conductance sensor and temperature sensor	No
Field Turbidity	YSI ProDDS Sensor	No
Lake Depth*	YSI ProDDS Sensor	No
Thermocline Depth		No
Secchi Depth		No
Secchi photo at 0.2 meters		No

* If lake depth exceeds YSI ProDDS Sensor cable length, an alternate method shall be used to collect lake depth. Alternate methods include: Sounding line or Digital Depth finder.

Table 5. Laboratory Parameter List for Ambient (Standard and Intensive) and Focused Alum Lakes

Parameter	Preservation	Holding Time	Method	Certification Required
Total Kjeldahl Nitrogen as N	Cool to 4°C	36 hours	EPA 351.2 v2	Yes
	Acid	28 days		
Ammonia as N	Cool to 4°C	36 hours	EPA 350.1v2	Yes
	Acid	7 days		
Nitrate+ Nitrite as N	Cool to 4°C	36 hours	EPA 353.2v2	Yes
	Acid	28 days		
Un-ionized Ammonia	NA	NA	Calculated	No
Total Phosphorus*	Cool to 4°C	36 hours	EPA 365.1v2	Yes
	Acid	28 days		
Total Reactive Phosphorus*	Cool to 4°C	36 hours	EPA 365.1v2	No
	Acid	28 days		
Soluble Reactive Phosphorus*	Cool to 4°C	36 hours	EPA 365.1v2	Yes
	Filtered & Acid	28 days		
Total Fixed Suspended Solids (Inorganic Suspended Solids)	Cool to 4°C	7 days	USGS I-3753-85	No
Total Volatile Suspended Solids	Cool to 4°C	7 days	USGS I-3753-85	Yes
Total Suspended Solids	Cool to 4°C	7 days	USGS I-3765-85	Yes
Total Alkalinity	Cool to 4°C	36 hours	SM 4500-H+B, 2320 B	Yes
Chlorophyll a	Cool to 4°C	36 hours	Sonication and EPA 445.0 v1.2	No
	Frozen (-20◦C)	28 days		
Phycocyanin	Cool to 4°C	36 hours	Sarada et al. (1999)	No
	Frozen (-20◦C)	28 days		
Total Microcystin by ADDA ELISA	Frozen	14 Days	EPA 546 OH (Abraxis 520011OH)	No

***Parameters listed reflect one sample being collected at Standard Ambient lakes and two samples being collected per site at Intensive Ambient and Focused Alum lakes. One collected in the surface and one collected at the bottom. Annual approved QAPP will describe sampling method in detail.**

Table 6. Plankton methods

Parameter	Preservation	Holding Time	Method	Certification Required
Phytoplankton Biomass and Composition	Glutaraldehyde Preservative	Years	ISU	No
Zooplankton Biomass and Composition	Sugar Formalin Solution	Years	ISU	No

Table 7. Laboratory Parameter List for Extra Lakes

Parameter	Preservation	Holding Time	Method	Certification Required
Total Kjeldahl Nitrogen as N	Cool to 4°C	36 hours	EPA 351.2 v2	Yes
	Acid	28 days		
Ammonia as N	Cool to 4°C	36 hours	EPA 350.1v2	Yes
	Acid	7 days		
Nitrate+ Nitrite as N	Cool to 4°C	36 hours	EPA 353.2v2	Yes
	Acid	28 days		
Total Phosphorus	Cool to 4°C	36 hours	EPA 365.1v2	Yes
	Acid	28 days		
Total Reactive Phosphorus	Cool to 4°C	36 hours	EPA 365.1v2	No
	Acid	28 days		
Soluble Reactive Phosphorus	Cool to 4°C	36 hours	EPA 365.1v2	Yes
	Acid	28 days		
Total Fixed Suspended Solids (Inorganic Suspended Solids)	Cool to 4°C	7 days	USGS I-3753-85	No
Total Volatile Suspended Solids	Cool to 4°C	7 days	USGS I-3753-85	Yes
Total Suspended Solids	Cool to 4°C	7 days	USGS I-3765-85	Yes
Total Alkalinity	Cool to 4°C	36 hours	SM 4500-H+B, 2320 B	Yes
Chlorophyll a	Cool to 4°C	36 hours	Sonication and EPA 445.0 v1.2	No
	Frozen (-20◦C)	28 days		
Phycocyanin	Cool to 4°C	36 hours	Sarada et al. (1999)	No
	Frozen (-20◦C)	28 days		

Table 8. Information to include in Excel Flat File

Read Me (Tab 1)
Contract number and description of included worksheets.
Flag Codes (Tab 2)
List of all lab flag codes.
Laboratory Data (Tab 3)
Sample ID
Lake Name
Sampling Date & Time
Flag- Date & Time
Total Alkalinity (mg/L as CaCO3)
Flag- Alk
Chlorophyll a (free of pheophytin) (µg/L)
Flag- Chlorophyll a
Phycocyanin (µg/L)
Flag- Phycocyanin
Total Suspended Solids (mg/L)
Flag- TSS
Volatile Suspended Solids (mg/L)
Flag- VSS
Nonvolatile (Inorganic) Suspended Solids (mg/L)
Flag- ISS
Total Kjeldahl Nitrogen as N (mg/L)
Flag- TKN
Total Phosphorus as P (mg/L)
Flag- TP

Soluble Reactive Phosphorus as P (mg/L)
Flag- SRP
Total Reactive Phosphorus as P (mg/L)
Flag- TRP
Near Bottom: Total Phosphorus as P (mg/L)
Near Bottom: Flag- TP
Near Bottom: Soluble Reactive Phosphorus as P (mg/L)
Near Bottom: Flag- SRP
Near Bottom: Total Reactive Phosphorus as P (mg/L)
Near Bottom: Flag- TRP
NO3+NO2 as N (Cadmium-reduced) (mg/L)
Flag- Cd-NO
NH3+NH4 as N (mg/L)
Flag- NH3+NH4
Unionized NH3 as N (mg/L)
Flag-NH3
Microcystin (ppb)
Flag- Microcystin
Field Data (Tab 4)
Sample ID
Lake Name
Sampling Date & Time
Flag- Date & Time
Lake Depth at Sampling Site (m)
Flag- Lake Depth
Secchi Transparency at Sampling Site (m)
Flag- Secchi
Thermocline Depth at Sampling Site (m)
Flag- Thermocline Depth
Epilimnetic Average Temperature (°C)
Flag- Temp
Epilimnetic Average pH
Flag- Field pH
Epilimnetic Average Dissolved Oxygen (% Saturation)
Flag- DO %Sat
Epilimnetic Average Dissolved Oxygen (mg/L)
Flag- DO
Epilimnetic Average Specific Conductivity (uS/cm)
Flag- Specific Conductivity
Epilimnetic Average Total Dissolved Solids (mg/L)
Flag- TDS
Epilimnetic Average Turbidity (NTU)
Flag- Turbidity
Hypolimnetic Average Temperature (°C)
Flag- Temp
Hypolimnetic Average pH
Flag- Field pH
Hypolimnetic Average Dissolved Oxygen (% Saturation)
Flag- DO %Sat
Hypolimnetic Average Dissolved Oxygen (mg/L)
Flag- DO

Hypolimnetic Average Specific Conductivity (uS/cm)
Flag- Specific Conductivity
Hypolimnetic Average Total Dissolved Solids (mg/L)
Flag- TDS
Hypolimnetic Average Turbidity (NTU)
Flag- Turbidity

Table 9. Information to include in metadata for EQUIS upload file

Activity Tab
#ActivityIdentifier
ActivityTypeCode
ActivityMediaName
ActivityMediaSubDivisionName
ActivityStartDate
ActivityStartTime
ActivityStartTimeZoneCode
ProjectIdentifier
MonitoringLocationIdentifier
SampleCollectionMethodIdentifier
SampleCollectionMethodIdentifierContext
SampleCollectionMethodName
SampleCollectionEquipmentName
Result Tab
#ActivityIdentifier
ResultDetectionConditionText
CAS_rn
CharacteristicName
MethodSpeciationName
ResultSampleFractionText
ResultMeasureValue
ResultMeasureUnitCode
ResultStatusIdentifier
ResultValueTypeName
ResultAnalyticalMethodIdentifier
ResultAnalyticalMethodIdentifierContext
LaboratoryName
AnalysisStartDate
AnalysisStartTime
AnalysisStartTimeZoneCode
AnalysisEndDate
AnalysisEndTime
AnalysisEndTimeZoneCode
LaboratoryAccreditationIndicator
ResDetectionQuantLimit Tab
#ActivityIdentifier
CAS_rn
CharacteristicName
AnalysisStartDate
AnalysisStartTime
ResultSampleFractionText
ResultAnalyticalMethodIdentifier

DetectionQuantitationLimitTypeName
DetectionQuantitationLimitMeasureValue
DetectionQuantitationLimitMeasureUnitCode

Table 10. Information to include in Excel sheet

Phytoplankton Sheet
Sample ID
Lake ID
Sample Date
Division
Genus or lowest taxonomic level
Phytoplankton Taxon Biomass (mg/L)
Flag
Sample Processed By
Sample Processed Date
Zooplankton Sheet
Sample ID
Lake ID
Sample Date
Division
Genus or lowest taxonomic level
Zooplankton Biomass (µg/L)
Flag
Sample Processed By
Sample Processed Date

Table 11. 2026, 2027 and 2028 Budget for Task 3 Standard Ambient Lake Monitoring*

Year	Monitoring Unit Cost	Number of Sites	Sample Frequency	Total Cost
2026	$175.00	117	3	$61,425.00
2027	$180.00	111	3	$59,940.00
2028	$185.00	118	3	$65,490.00
			Task 3 Total	$186,855.00

*Costs listed reflect cost for sampling an individual lake and collecting field parameters: Secchi depth, Secchi photo, YSI lake profile, temperature, pH, turbidity, conductivity, dissolved oxygen (mg/L and % saturation), and total dissolved solids.

Table 12. 2026, 2027 and 2028 Budget for Task 4 Intensive Ambient Lake Monitoring*

Year	Monitoring Unit Cost	Number of Sites	Sample Frequency	Total Cost
2026	$175.00	20	6	$21,000.00
2027	$180.00	26	6	$28,080.00
2028	$185.00	19	6	$21,090.00
			Task 4 Total	$70,170.00

*Costs listed reflect cost for sampling an individual lake and collecting field parameters: Secchi depth, Secchi photo, YSI lake profile, temperature, pH, turbidity, conductivity, dissolved oxygen (mg/L and % saturation), and total dissolved solids.

Table 13. 2026, 2027 and 2028 Budget for Task 5

Ambient Lake Chemical & Limnological Analysis	Unit Cost			Total Number of Samples			Total Cost		
	2026	2027	2028	2026	2027	2028	2026	2027	2028
Total Kjeldahl Nitrogen as N	$18.00	$18.50	$19.00	471	489	468	$8,478.00	$9,046.50	$8,892.00
Ammonia as N	$13.60	$14.00	$14.40	471	489	468	$6,405.60	$6,846.00	$6,739.20
Un-ionized Ammonia as N	*Included (Calculated with field pH)*								
Nitrate+Nitrite as N	$13.00	$13.40	$13.80	471	489	468	$6,123.00	$6,552.60	$6,458.40
Total Phosphorus	$12.75	$13.20	$13.60	591	645	582	$7,535.25	$8,514.00	$7,915.20
Total Reactive Phosphorus	$12.00	$12.40	$12.80	591	645	582	$7,092.00	$7,998.00	$7,449.60
Soluble Reactive Phosphorus	$17.00	$17.50	$18.00	591	645	582	$10,047.00	$11,287.50	$10,476.00
Total Fixed Suspended Solids	*Included w/ TSS*								
Total Volatile Suspended Solids	*Included w/ TSS*								
Total Suspended Solids	$9.75	$10.00	$10.30	471	489	468	$4,592.25	$4,890.00	$4,820.40
Total Alkalinity	$7.50	$7.75	$8.00	471	489	468	$3,532.50	$3,789.75	$3,744.00
Chlorophyll a	$17.00	$17.50	$18.00	471	489	468	$8,007.00	$8,557.50	$8,424.00
Phycocyanin	$15.00	$15.45	$15.90	471	489	468	$7,065.00	$7,555.05	$7,441.20
Total Microcystin	$40.25	$41.50	$42.75	471	489	468	$18,957.75	$20,293.50	$20,007.00
						Task 5 Total	$87,835.35	$95,330.40	$92,367.00

***Total number of samples listed reflect one sample being collected at Standard Ambient lakes and two samples being collected per site at Intensive lakes. One collected in the surface and one collected at the bottom. Annual approved QAPP will describe sampling method in detail.**

Table 14. 2026, 2027 and 2028 Budget for Task 6 Focused Alum Lake Monitoring*

Year	Monitoring Unit Cost	Number of Sites	Sample Frequency	Total Cost
2026	$175.00	17	6	$17,850.00
2027	$180.00	17	6	$18,360.00
2028	$185.00	17	6	$18,870.00
			Task 4 Total	$55,080.00

*Costs listed reflect cost for sampling an individual lake and collecting field parameters: Secchi depth, Secchi photo, YSI lake profile, temperature, pH, turbidity, conductivity, dissolved oxygen (mg/L and % saturation), and total dissolved solids.

Table 15. 2026, 2027 and 2028 Budget for Task 7 Focused Alum Lake Monitoring

Focused Alum Lake Chemical & Limnological Analysis	Unit Cost			Total Number of Samples			Total Cost		
	2026	2027	2028	2026	2027	2028	2026	2027	2028
Total Kjeldahl Nitrogen as N	$18.00	$18.50	$19.00	102	102	102	$1,836.00	$1,887.00	$1,938.00
Ammonia as N	$13.60	$14.00	$14.40	102	102	102	$1,387.20	$1,428.00	$1,468.80
Un-ionized Ammonia as N	*Included (Calculated with field pH)*								
Nitrate+Nitrite as N	$13.00	$13.40	$13.80	102	102	102	$1,326.00	$1,366.80	$1,407.60
Total Phosphorus*	$12.75	$13.20	$13.60	204	204	204	$2,601.00	$2,692.80	$2,774.40
Total Reactive Phosphorus*	$12.00	$12.40	$12.80	204	204	204	$2,448.00	$2,529.60	$2,611.20
Soluble Reactive Phosphorus*	$17.00	$17.50	$18.00	204	204	204	$3,468.00	$3,570.00	$3,672.00
Total Fixed Suspended Solids	*Included w/ TSS*								
Total Volatile Suspended Solids	*Included w/ TSS*								
Total Suspended Solids	$9.75	$10.00	$10.30	102	102	102	$994.50	$1,020.00	$1,050.60
Total Alkalinity	$7.50	$7.75	$8.00	102	102	102	$765.00	$790.50	$816.00
Chlorophyll a	$17.00	$17.50	$18.00	102	102	102	$1,734.00	$1,785.00	$1,836.00
Phycocyanin	$15.00	$15.45	$15.90	102	102	102	$1,530.00	$1,575.90	$1,621.80
Total Microcystin	$40.25	$41.50	$42.75	102	102	102	$4,105.50	$4,233.00	$4,360.50
						Task 7 Total	$22,195.20	$22,878.60	$23,556.90

***Total number of samples listed reflect two samples being collected per site. One collected in the surface and one collected at the bottom. Annual approved QAPP will describe sampling method in detail.**

Table 16. 2026, 2027 and 2028 Budget for Task 8 Extra Lakes Monitoring

Extra Lakes Chemical & Limnological Analysis	Unit Cost			Total Number of Samples			Total Cost		
	2026	2027	2028	2026	2027	2028	2026	2027	2028
Total Kjeldahl Nitrogen as N	$18.00	$18.50	$19.00	60	60	60	$1,080.00	$1,110.00	$1,140.00
Ammonia as N	$13.60	$14.00	$14.40	60	60	60	$816.00	$840.00	$864.00
Nitrate+Nitrite as N	$13.00	$13.40	$13.80	60	60	60	$780.00	$804.00	$828.00
Total Phosphorus*	$12.75	$13.20	$13.60	120	120	120	$1,530.00	$1,584.00	$1,632.00
Total Reactive Phosphorus*	$12.00	$12.40	$12.80	120	120	120	$1,440.00	$1,488.00	$1,536.00
Soluble Reactive Phosphorus*	$17.00	$17.50	$18.00	120	120	120	$2,040.00	$2,100.00	$2,160.00
Total Fixed Suspended Solids	Included w/ TSS								
Total Volatile Suspended Solids	Included w/ TSS								
Total Suspended Solids	$9.75	$10.00	$10.30	60	60	60	$585.00	$600.00	$618.00
Total Alkalinity	$7.50	$7.75	$8.00	60	60	60	$450.00	$465.00	$480.00
Chlorophyll a	$17.00	$17.50	$18.00	60	60	60	$1,020.00	$1,050.00	$1,080.00
Phycocyanin	$15.00	$15.45	$15.90	60	60	60	$900.00	$927.00	$954.00
						Task 8 Total	$10,641.00	$10,968.00	$11,292.00

***Total number of samples listed reflect two samples being collected per site. One collected in the surface and one collected at the bottom. Annual approved DNR SOP will describe sampling method in detail.**

Table 17. 2026, 2027 and 2028 Budget for Task 13

Task 13 Standard and Intensive Ambient Plankton Analysis	Unit Cost			Total Number of Samples			Total Cost		
	2026	2027	2028	2026	2027	2028	2026	2027	2028
Phytoplankton biomass and composition	$134.00	$138.00	$142.00	411	411	411	$55,074.00	$56,718.00	$58,362.00
% Cyanobacteria	*Included*						*Included*		
Zooplankton biomass and composition	$45.00	$46.50	$48.00	411	411	411	$18,495.00	$19,111.50	$19,728.00
						Task 13 Total	$73,569.00	$75,829.50	$78,090.00

***Samples for analysis are selected based on the following: All 3 sampling events described in Task 3 (Standard) and 3 of the 6 sampling events described in Task 4 (Intensive). The 3 sampling events for lakes described in Task 4 will be taken during the months of May, July, and September.**

Table 18. 2026, 2027 and 2028 Budget for Task 14

Task 14 Focused Alum Plankton Analysis	Unit Cost			Total Number of Samples			Total Cost		
	2026	2027	2028	2026	2027	2028	2026	2027	2028
Phytoplankton biomass and composition	$134.00	$138.00	$142.00	102	102	102	$13,668.00	$14,076.00	$14,484.00
% Cyanobacteria	*Included*						*Included*		
Zooplankton biomass and composition	$45.00	$46.50	$48.00	102	102	102	$4,590.00	$4,743.00	$4,896.00
						Task 14 Total	$18,258.00	$18,819.00	$19,380.00

***Samples for analysis are selected based on the following: 6 of the 6 sampling events described in Task 6 (Focused).**

Iowa Department of Natural Resources
Environmental Protection Commission

ITEM #6 **DECISION**

Contract with IOWA STATE UNIVERSITY

Recommendation:
Commission approval is requested for a service contract with Iowa State University (ISU), of Ames Iowa

Contract Terms:

Amount: Not to exceed $152,093.00

Dates: January 30, 2026 to December 31, 2028.

Funding Source(s): The source of funding for this Contract is Section 319 of the Clean Water Act grant to DNR from the Environmental Protection Agency (EPA).

Statutory Authority: Intergovernmental contracting with ISU is authorized under 11 IAC 118.4. Also contracts with state universities and other public agencies for laboratory work, scientific field measurement and environmental quality evaluation services necessary to implement Iowa Code Chapter 455B is authorized under Iowa Code section 455B.103(3).

Contract Background:
DNR is extending this Contract to fulfill the requirements of focused and intensive watershed monitoring as part of the National Water Quality Initiative (NWQI), a joint effort between the EPA and Natural Resources Conservation Service to track long-term water quality trends and evaluate the effectiveness of the implementation of pollutant load reduction strategies in the Black Hawk Lake watershed area. Efforts associated with the Black Hawk Lake project and some results from the monitoring initiatives funded by previous contracts were presented to the EPC in August of 2022.

Contract Purpose: The parties propose to enter into this Contract to retain the Contractor to provide continued assessment of an important long-term implementation project funded by federal partners and continue data collection at targeted locations throughout the watershed. Additionally, all prior data collection and data collected under this Contract will be used to calibrate a SWAT+ model that can be used to apply predictive modeling of BMP implementation to this landscape.

Contractor Selection Process:
DNR is allowed to contract with ISU pursuant to Iowa Code section 455B.103(3).

Contract History:

Contract #1: Timeframe: 6/30/2021 to 12/31/2022; Amount $168,414.00
Contract #1 Amendment 1: 6/1/2022 to 12/31/2023;

- **Contract #1 Amendment 1: (**6/1/2022 to 12/31/2023): Amendment 1 was a time extension only. Drought conditions resulted in less frequent sampling and the budget timeline was extended to execute the original work plan.
- **Contract #1 amendment 2:** (6/1/22 to 4/30/25): Additional time and funding ($185,536.00) added to contract to extend the monitoring effort.
- **Contract #1 Amendment 3:** (6/1/22 to 4/30/26): Amendment 3 was a time extension only. Drought conditions resulted in less frequent sampling and the budget timeline was extended to execute the work plan.

Jason Palmer, Natural Resource Biologist, Water Quality Bureau
Environmental Services Division
January, 2026

Iowa Department of Natural Resources
Environmental Protection Commission

ITEM #7 **DECISION**

Contract with IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP (IDALS)

Commission approval is requested for a service contract with the Iowa Department of Agriculture and Land Stewardship (IDALS) of Des Moines, IA, for the Protect Rathbun Lake Project.

Contract Terms:

Amount: Not to exceed $434,330
Dates: January 20, 2026 to June 30, 2028.
Funding Source(s): U.S. EPA Clean Water Act Section 319 Grant to DNR
Statutory Authority: Funds are administered by DNR under statutory authority granted by Iowa Code section 455B.103 and under 11 IAC 118.4.

Contract Background: This Protect Rathbun Lake Project will continue activities in the first implementation period (2023-2027) of the new Rathbun Lake Watershed and Source Water Protection Plan. These activities include the installation of best management practices (BMPs) to reduce the sediment and sediment-bound phosphorus loads which are the principal causes of the non-algal and algal turbidity water quality impairments in Rathbun Lake. The Rathbun Land and Water Alliance has planned, coordinated, and supported efforts to protect land and water resources in the Rathbun Lake watershed since 1993. Alliance members include the soil and water conservation districts (SWCD) and county governments in the watershed as well as Rathbun Regional Water Association (RRWA), which uses Rathbun Lake as the source of raw water for its drinking water treatment facilities. The Alliance and its partners have assisted hundreds of landowners to install BMPs for the land that they own and/or farm in the watershed. The lake also provides recreational opportunities for one million visitors annually, fish and wildlife habitat, downstream flood damage reduction, and water for the DNR Rathbun Fish Hatchery.

The Contractor, IDALS, will oversee implementation that is described in the Statement of Work and Budget provided annually to DNR.

Contract Purpose: The parties propose to enter into this contract to retain the Contractor to manage the implementation of the Protect Rathbun Lake Project described in the Statement of Work and Budget.

Statement of Work:	**Task Milestone Date:**
Task 1: Provide Project Coordinator	No later than June 30, 2026
Task 2: Submit to DNR the Annual Work Plan and Budget	No later than May 1 each year
Task 3: Carry Out Project Activities in the Project Work Plan	No later than June 30 each year
Task 4: Provide Quarterly Financial Report	15th of Oct, Jan, Apr each year
Task 5: Provide Quarterly Progress Report	15th of Oct, Jan, Apr each year
Task 6: Submit Annual Report	No later than August 15 each year
Task 7: Submit Final Project Report	No less than 45 days before Contract expiration

Budget Summary:

Proposed Budget (1-year budget)	**Contract Amount (DNR 319 Costs)**	Match Funding Share (State/Local)	Leveraged Funds (Non-Match)
Staffing/Admin Support	**$302,280.00**	$202,000.00	$47,900.00
Watershed Practice Support	**$132,050.00**	$233,650.00	$969,000.00
Totals	**$434,330.00**	$435,650.00	$1,016,900.00
Overall Proposed Project Total	$1,886,880		

This Contract addresses the following Goals of the State's Nonpoint Source Management Plan:
Goal 1: Improving Iowa's Surface Water and Groundwater Quality
Goal 2: Improving Waters that Affect Public Health
Goal 3: Improving Iowa's Waters for Native Wildlife and Fish, and Recreation
Goal 4: Reducing Excess Nutrient Delivery to Iowa Waters

Contractor Selection Process:

Intergovernmental contracting with IDALS is authorized by 11 IAC 118.4, which states that if another governmental entity has resources available to supply a service sought by a state agency, the state agency may enter into an intergovernmental agreement with the other governmental entity and is not required to use competitive selection.

Protect Rathbun Lake Project Contract History (5 years):

FY21 Contract: Timeframe: July 21, 2020 to June 30, 2022; Amount $140,874
FY22 Contract: Timeframe: June 1, 2021 to June 30, 2025; Amount $427,620
FY23 Contract: Timeframe: November 15, 2022 to June 30, 2025; Amount $140,874
Amended FY23 Contract: Timeframe extended to June 30, 2026; Total contract $514,269 (current balance: $0)
FY24 Contract: Timeframe: August 15, 2023 to June 30, 2026; Amount $464,242

The FY24 Contract budget will be exhausted before the end of the current fiscal year. This FY26 Contract is based on the amount of 319 funding requested and approved in the work plans for FY26. The budget for the project is proposed and reviewed in May of each year, and 319 grant funds are allocated based on the annual work plan budget after it is reviewed by IDALS and DNR. However, the timeline of actual expenditures varies greatly due to variables in the watershed. In the Rathbun watershed a major factor has been drought over the past 5 years, which delayed construction of many practices requiring grading. Other variables include engineering backlogs, contractor availability, seasonal fluctuation in planting and harvest conditions, federal office shut-downs, and availability of additional funding sources.

Each annual work plan implements a phase of the EPA-approved Rathbun Lake Watershed and Source Water Protection Plan, which identifies sediment and nutrient reduction strategies and goals. State fiscal years 23-27 fall within the first phase of the plan. At the end of each phase, the modeling in the plan is compared to results in the watershed to determine whether strategies or goals, or in fact the models, require revision. EPA recommends this 5-year review of approved watershed plans.

The reason for a new contract instead of an amendment, and an important change in this contract from previous ones, is that this contract does not restrict spending to a particular 319 grant. Annual 319 Grants come with strict guidance for use timelines: 5 years for projects like the Protect Rathbun Lake Project. In collaboration with DNR Budget and Finance, the 319 Program has determined that the EPA grant requirement for "first in, first out" spending can be better facilitated if the contract balance is based on annual work plans, while allowing for spending down older grants across all projects throughout the year. This ensures that every dollar Iowa receives is spent on approved water quality projects at a pace that prevents a bottleneck at the end of a five-year grant cycle.

Partnerships Summary:
The DNR's primary partnerships for this contract include:

- IDALS Division of Soil Conservation and Water Quality
- Iowa State University
- Rathbun Regional Water Association
- Appanoose, Clarke, Decatur, Lucas, Monroe, and Wayne (lead) County Soil and Water Conservation Districts
- Appanoose, Clarke, Decatur, Lucas, Monroe, and Wayne Counties
- US Department of Agriculture Farm Service Agency and Natural Resources Conservation Service
- US Army Corps of Engineers

- US Environmental Protection Agency
- Iowa Farm Bureau Federation, state and local
- And participating landowners of the Rathbun Lake Watershed

SFY25 Implementation Goals vs. Accomplishments:

BMP Type or Activity	Goals for the Year (from FY2025 Work Plan)	Actual Project Accomplishments In FY2025	Goals for FY2026
Terraces	80,000 ft.	76,094 ft.	70,000 ft
Grade Stab. Structures	10 no.	18 no.	16 no.
Sediment Basins	0 no.	0 no.	1 no.
Sediment Basin (large)	0 no.	0 no.	0 no.
W&S control basins	10 no.	9 no.	36 no.
Pasture & Hayland Planting	300 ac.	313 ac.	440 ac.

SFY25 Pollutant Reduction for the Project:

Practice	**Units Installed**	**Acres Benefited**	**Gross Erosion Reduction Tons/Yr.**	**Sediment Delivery Reduction Tons/ yr.**	**Phosphorus Delivery Reduction Lbs./Yr.**
Terraces	76,094 ft.	498	2000	1023	1329
Water & Sediment Basins	9 no.	17	52	36	46
Grade Stabilization Structures	18 no.	534	285	659	856
Sediment Basin	0 no.	0	0	0	0
Pasture & Hayland Seeding	313 ac.	313	1270	635	825
TOTALS		**2775 ac.**	**5019 t/y**	**2776 t/y**	**3609 lbs/y**

Ginger Murphy, Western Iowa Basin Coordinator, Water Quality Bureau
Environmental Services Division
January 20, 2026