



**Exhibit 4**  
 Iowa Department of Natural Resources  
 Wastewater Engineering Section  
**Facility Plan Scope of Study Checklist**

Project Name: \_\_\_\_\_  
 Meeting Location: \_\_\_\_\_  
 Date of Project Initiation Meeting: \_\_\_\_\_  
 Meeting Attendance List: \_\_\_\_\_

| <b>Design Standard Section</b> |   | <b>Subsection N/A to Scope</b> |
|--------------------------------|---|--------------------------------|
| 11.1                           | General   |                                |
| 11.2                           | Engineering Reports of Facilities Plans               |                                |
| 11.2.1                         | Title of Project                                      |                                |
| 11.2.2                         | Letter of Transmittal                                 |                                |
| 11.2.3                         | Title Page  |                                |
| 11.2.4                         | Table of Contents                                     |                                |
| 11.2.5                         | Summary   |                                |
| 11.2.5.1                       | Findings  |                                |
| 11.2.5.2                       | Conclusion  |                                |
| 11.2.5.3                       | Recommendations                                       |                                |
| 11.2.6                         | Introduction  |                                |
| 11.2.7                         | Existing Conditions and Projections                   |                                |
| 11.2.7.1                       | Planning Period                                       |                                |
| 11.2.7.2                       | Land Use  |                                |
| 11.2.7.3                       | Demographic and Economic Data                         |                                |
| 11.2.8                         | Existing Facilities Evaluation                        |                                |
| 11.2.8.1                       | Existing Collection System                            |                                |
| 11.2.8.2                       | Existing Treatment Plant Site                         |                                |
| 11.2.8.3                       | Existing Treatment Facilities                         |                                |
| 11.2.8.4                       | Existing Wastewater Characteristics                   |                                |
| 11.2.9                         | Proposed Facilities Evaluation                        |                                |
| 11.2.9.1                       | Proposed Collection System                            |                                |
| 11.2.9.2                       | Design Wastewater Characteristics                     |                                |
| 11.2.9.3                       | Receiving Stream Characteristics                      |                                |
| 11.2.9.4                       | Treatment Plant Site Requirements                     |                                |
| 11.2.9.5                       | Alternatives  |                                |
| 11.2.9.6                       | Selected Process and Site                             |                                |
| 11.2.9.7                       | Project Financing                                     |                                |
| 11.2.9.8                       | Legal, and Other Considerations                       |                                |
| 11.2.10                        | Combined Sewer Studies                                |                                |
| 11.2.11                        | Appendices: Technical Information and Design Criteria |                                |
| 11.2.11.1                      | Collection System                                     |                                |
| 11.2.11.2                      | Process Facilities                                    |                                |
| 11.2.11.3                      | Process Diagrams                                      |                                |
| 17.1                           | Sludge Handling and Disposal                          |                                |
| 11.2.12                        | Plans Subject to Federal Requirements                 |                                |
|                                | Environmental Information Documentation               |                                |
|                                | Additional Items:                                     |                                |