

Idaho Pollutant Discharge Elimination System

Program Description



**State of Idaho
Department of Environmental Quality**

September 2016



Printed on recycled paper, DEQ, September 2016,
PID WQST, CA code 82136. Costs associated with
this publication are available from the State of Idaho
Department of Environmental Quality in accordance
with Section 60-202, Idaho Code.

Idaho Pollutant Discharge Elimination System

Program Description

September 2016



**Prepared by
Idaho Department of Environmental Quality
Water Quality Division
1410 N. Hilton
Boise, ID 83706**

This page intentionally left blank for correct double-sided printing.

Table of Contents

Abbreviations, Acronyms, and Symbols	ix
Executive Summary	xi
1 Introduction.....	1
2 Program Scope (40 CFR 123.22(a))	1
3 Organization and Structure (40 CFR 123.22(b))	3
3.1 Board of Environmental Quality	3
3.2 Director’s Office.....	4
3.3 Technical Services Division	4
3.4 Water Quality Division.....	5
3.4.1 IPDES Program Management.....	6
3.4.2 Surface Water Program.....	7
3.4.3 Wastewater Program.....	7
3.5 Office of the Attorney General.....	8
4 IPDES Budget and Funding (40 CFR 123.22(b)).....	9
4.1 Human Resources	9
4.2 Fiscal Resources	11
4.3 Fee Administration	12
5 Discharge Permits in Idaho.....	14
5.1 Individual Permits	14
5.2 General Permits	15
6 State Permitting and Administrative Procedures (40 CFR 123.22(a))	17
6.1 General Administrative Procedures.....	17
6.2 Permitting Procedures Applicable to all Permits.....	18
6.2.1 General Procedures	18
6.2.2 Permit Prohibitions	24
6.2.3 Modification or Revocation and Reissuance	25
6.2.4 Transfer.....	26
6.2.5 Termination.....	26
6.2.6 Administrative Record.....	27
6.2.7 Integrated Permitting	28
6.3 Permitting Procedures for Individual Permits	28
6.3.1 Permit Application and Review	28
6.3.2 IPDES Permit Development	31
6.3.3 Draft Permit	36
6.4 Public Participation Procedures.....	36
6.4.1 Basic Public Process	37
6.4.2 Supplemental Communication Tools	38

6.4.3	Other Permit Actions—Modify, Revoke and Reissue, or Terminate	39
6.4.4	Appeals	40
6.4.5	Additional Ways to Stay Informed	40
6.5	Permit Procedures for General Permits	41
6.5.1	General Permit Development	41
6.5.2	General Permit Reviews	41
6.5.3	Final General Permit Decision.....	41
6.5.4	General Permit Authorizations	42
7	Pretreatment Program (40 CFR 403).....	44
7.1	General	44
7.2	Definitions	44
7.3	POTW Program Application Submission	45
7.3.1	Industrial Survey.....	45
7.3.2	POTW Pretreatment Program Approval Process	46
7.4	Control Authority	47
7.5	Local Limits.....	48
7.6	Variances	48
7.7	Removal Credits	49
7.8	Categorical Determinations	50
7.9	Time to Comply.....	50
7.10	Public Participation	50
7.11	Reporting	50
7.12	Reporting to EPA	51
7.13	Existing Pretreatment Programs in Idaho.....	52
8	Sewage Sludge (Biosolids) Program (40 CFR 503).....	52
8.1	General	53
8.2	Definitions	53
8.3	Disposal of Sewage Sludge into Municipal Solid Waste Landfills.....	53
8.4	Permitting for Sewage Sludge Facilities	53
8.5	Land Application of Septage (40 CFR 503.17(b)) and Sludge	54
8.5.1	Management Plans.....	54
8.5.2	Record Retention	55
8.6	Reporting to EPA	55
8.7	Existing Septage and Sludge Facilities in Idaho	56
9	Storm water Program.....	56
9.1	Permit Categories and Coverage	57
9.2	Construction	58
9.2.1	Coverage under a General Permit.....	58

9.2.2	Review and Approval of NOIs	58
9.2.3	Small Construction Activity Waivers	59
9.2.4	Notice of Termination.....	59
9.2.5	Compliance Monitoring and Enforcement	60
9.3	Industrial.....	60
9.3.1	Coverage under a General Permit.....	60
9.3.2	Coverage under an Individual Permit	61
9.3.3	Certificate of No Exposure	61
9.3.4	Notice of Termination.....	61
9.3.5	Compliance Monitoring.....	62
9.4	Municipal.....	62
9.4.1	Coverage under an Individual Permit	62
9.4.2	Coverage under a General Permit.....	63
9.5	Public Outreach	63
10	Concentrated Animal Feeding Operations.....	64
10.1	Multiple Jurisdictions	65
10.1.1	Siting CAFOs in Idaho	65
10.1.2	Beef Cattle Operations.....	66
10.1.3	Dairies.....	66
10.1.4	Swine Facilities.....	67
10.1.5	Poultry.....	67
10.2	Duty to Apply	67
10.3	Coverage under a General Permit.....	67
10.4	Coverage under an Individual Permit.....	68
10.5	Compliance Monitoring.....	69
10.5.1	Inspections	69
10.5.2	Nutrient Management Plans	69
10.6	Reporting	70
11	Compliance Evaluation (40 CFR 123.26)	70
11.1	Monitoring.....	72
11.1.1	Compliance Evaluation Procedures.....	73
11.1.2	IPDES Facility Inspections.....	74
11.1.3	Inspection Types	77
11.2	Assistance	77
11.3	Incentives.....	79
12	Enforcement (40 CFR 123.27)	79
12.1	Determining Appropriate Action Procedures.....	79
12.2	Administrative Actions.....	80

12.3	Civil and Criminal Actions.....	82
12.4	Penalties.....	83
12.4.1	Supplemental Environmental Projects.....	83
12.4.2	Calculating a Penalty	84
12.4.3	Limits to Monetary Penalties.....	84
12.5	Reporting	85
12.6	Public Participation and Citizen Actions.....	85
12.7	Pretreatment Program and Sewage Sludge (Biosolids).....	86
13	Data Management System	86
13.1	Compliance Reporting, Inspection, and Permitting System.....	87
13.1.1	Permit Applications and Notices of Intent.....	87
13.1.2	Draft Permit Development.....	88
13.2	Inspections and Compliance Tracking	88
13.2.1	Individual Permits.....	88
13.2.2	General Permits	88
13.3	DMR Submittals.....	89
13.4	ICIS-NPDES Data Exchange Flow	89
13.5	Initial Data Migration and Business Practice Development.....	90
13.6	Data Quality Assurance.....	90
13.6.1	Data Entry Requirements.....	90
13.6.2	Administrative Record and Data Management.....	91
13.6.3	Schedule.....	91
14	Capacity Development.....	91
15	References.....	93

- Appendix A. Organizational Charts
- Appendix B. IPDES Capacity Building Plan
- Appendix C. IPDES Program Analysis
- Appendix D. IPDES Fact Sheet Template
- Appendix E. Publicly Owned Treatment Works with Pretreatment Programs
- Appendix F. Memorandum of Understanding between DEQ and ISDA
- Appendix G. IPDES Compliance Monitoring Strategy
- Appendix H. IPDES Enforcement Response Guide
- Appendix I. Section 6 of Enforcement Procedures Manual

List of Tables

Table 1. Schedule to transfer authority.....	2
Table 2. Number of hours allocated to each IPDES Program section.....	9
Table 3: Program workload and allocation of staff in IPDES program areas.	10
Table 4. Hiring professional, technical, and administrative staff for IPDES Program implementation.	10
Table 5. Cost to implement IPDES Program (years 1 through 5).	11
Table 6. Revenue estimates for IPDES Program (years 1 through 5).	12
Table 7. Fee schedule for IPDES permits.....	13
Table 8. Invoice schedule as applied to the transfer of IPDES permit sectors.	14
Table 9. NPDES individual permits ^a	15
Table 10. NPDES general permits and authorizations ^a	17
Table 11. Permits in effect with sections regarding pretreatment requirements.....	52
Table 12. Summary of Idaho’s municipal sewage sludge-generating facilities.	56
Table 13. Storm water permits in Idaho.....	57

This page intentionally left blank for correct double-sided printing.

Abbreviations, Acronyms, and Symbols

AG's Office	Office of the Attorney General
API	annual plan of inspections
BMP	best management practice
CAFO	concentrated animal feeding operation
CAR	corrective action report
CDX	Central Data Exchange
CFR	Code of Federal Regulations
CGP	construction general permit
CIE	compliance, inspection, and enforcement
CMS	compliance monitoring strategy
CRIPS	Compliance Reporting, Inspection, and Permitting System
CROMERR	cross media electronic reporting rule
CWA	Clean Water Act
DEQ	Idaho Department of Environmental Quality
DMR	discharge monitoring report
EPA	US Environmental Protection Agency
FTE	full-time equivalent
FY	fiscal year
gpd	gallons per day
IBOL	Idaho Bureau of Occupational Licenses
ICIS-NPDES	Integrated Compliance Information System–National Pollutant Discharge Elimination System
IDAPA	refers to Idaho Administrative Code
IPDES	Idaho Pollutant Discharge Elimination System
ISDA	Idaho State Department of Agriculture
IU	industrial user
IT	Information Technology
MGD	million gallons per day
MOA	memorandum of agreement
MOU	memorandum of understanding
MS4	municipal separate storm sewer system
MSGP	multisector general permit
NA	not available

NetDMR	web-based reporting for discharge monitoring reports
NOI	notice of intent
NOT	notice of termination
NOV	notice of violation
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
O&M	operation and maintenance
PARIS	Permit and Reporting Information System
PIP	permit issuance plan
POTW	publicly owned treatment works
PPA	performance partnership agreement
R-factor	rainfall erosivity factor
RIDE	required ICIS-NPDES data elements
SFY	state fiscal year
SIU	significant industrial user
SNC	significant noncompliance
SQL	Structure Query Language
SWMP	Storm water management program
SWPPP	Storm water pollution prevention plan
TBEL	technology-based effluent limit
TIE	toxicity identification evaluation
TMDL	total maximum daily load
TRE	toxicity reduction evaluation
TRIM	DEQ's electronic records management system
TSD	EPA's Technical Support Document for Toxics Control
WET	whole effluent toxicity
WQBEL	water quality-based effluent limit
XML	eXtensible Markup Language

Executive Summary

In 2014, the Idaho Legislature revised Idaho Code to direct Idaho Department of Environmental Quality (DEQ) to seek US Environmental Protection Agency (EPA) authorization for a state-operated pollutant discharge elimination system permitting program. The current National Pollutant Discharge Elimination System (NPDES) program is operated by EPA. For the Idaho Pollutant Discharge Elimination System (IPDES) Program, DEQ must submit a primacy application that adheres to the Clean Water Act and 40 CFR 123 to EPA by September 1, 2016. The goal of IPDES, like NPDES, is to address water pollution by regulating point sources that discharge pollutants to waters of the United States.

With NPDES program authorization, DEQ's IPDES Program will conduct permitting, compliance, inspections, and enforcement of the following:

- Both individual and general permits for discharges to waters of the United States from facilities or activities, including industrial (e.g., commercial, mining, oil and gas, and silviculture discharges; animal feeding operations; and aquatic animal production facilities) and municipal wastewater treatment facilities (e.g., publicly and privately owned treatment works)
- Discharges to waters of the United States from federal facilities
- Storm water discharges, including municipal storm sewer systems (combined and separate); construction and industrial storm water general permits; and individual permits for storm water discharges
- Sewage sludge (biosolids)
- NPDES pretreatment program

DEQ will implement the IPDES Program using the authorities, procedures, resources, policies, and guidance documents described in this program description.

This page intentionally left blank for correct double-sided printing.

1 Introduction

As required under the Clean Water Act (CWA) Section 402(b) and 40 CFR 123.22, the Idaho Pollutant Discharge Elimination System (IPDES) program description specifies how the Idaho Department of Environmental Quality (DEQ) will administer the National Pollutant Discharge Elimination System (NPDES) program.

The program description is part of a full program submission to the US Environmental Protection Agency (EPA) that includes the following:

- A letter from the Governor of Idaho requesting program approval.
- This program description, which details the organization, staffing and funding resources, and procedures for DEQ to carry out its responsibilities.
- A memorandum of agreement (MOA) describing the transfer of permitting and compliance of specified permits from EPA to DEQ administration; identifying draft permits EPA will review; specifying the frequency and content of information DEQ is required to submit to EPA; and describing the provisions of DEQ's compliance monitoring and enforcement program (DEQ and EPA 2016).
- An Office of the Attorney General (AG's Office) statement certifying that state laws provide adequate authority to implement the IPDES Program.
- Copies of all applicable statutes and regulations necessary to implement the IPDES Program.
- A continuing planning process document (DEQ 2016a) describing the procedures to manage and keep DEQ's water quality program current.

2 Program Scope (40 CFR 123.22(a))

House Bill 406, passed during the 2014 Legislative session, amended existing sections of Idaho Code Title 39 Chapter 1. This statute directs DEQ to seek approval from EPA to implement a state permitting, compliance, and enforcement program in lieu of the EPA-administrated NPDES program. The legislation directed DEQ to seek authorization of the NPDES program by filing a complete application with EPA by September 1, 2016.

In 2015, DEQ completed administrative rules for the IPDES Program that govern discharges of pollutants into waters of the United States, including storm water, pretreatment controls for certain discharges to publicly owned treatment works (POTWs), and sewage sludge. These rules apply to discharges within Idaho with the exception of facilities DEQ is not authorized to assume authority over, such as facilities located within tribal lands (DEQ and EPA 2016, Appendix D). EPA retains authority for NPDES permitting and compliance for these facilities. DEQ will assume authority for the NPDES sewage sludge management program, which is an optional program component complementary to the existing Wastewater Rule (IDAPA 58.01.16.650).

With NPDES program authorization, DEQ will conduct permitting, compliance, inspections, and enforcement of the following:

- Both individual and general permits for discharges to waters of the United States from facilities or activities, including industrial (e.g., commercial, mining, oil and gas, and silviculture discharges; animal feeding operations; and aquatic animal production facilities) and municipal wastewater treatment facilities (e.g., publicly and privately owned treatment works)
- Discharges to waters of the United States from federal facilities
- Storm water discharges, including municipal storm sewer systems (combined and separate); construction and industrial storm water general permits; and individual permits for storm water discharges
- Sewage sludge (biosolids)
- NPDES pretreatment program

DEQ will implement the IPDES Program using the authorities, procedures, resources, policies, and guidance documents described in this program description. DEQ guidance documents referenced in this program description will be submitted separately or if applicable may be included as an appendix to this document. DEQ will use all EPA guidance documents referenced in this program description until DEQ develops its own guidance document consistent with the corresponding EPA guidance document. Each DEQ regional office will have access to all procedures, policies, and guidance documents referenced in this program description. The most current procedures, policies, and guidance documents are listed in Section 15, “References.”

DEQ will issue IPDES permits; conduct compliance and enforcement activities; record information and report to EPA; and oversee the activities of all IPDES-permitted facilities. EPA retains the authority to issue NPDES permits for facilities located on tribal lands and, if applicable, will certify that the discharges meet applicable water quality standards. EPA will comply with CWA §401(a)(2) regarding the effect of discharges on state waters.

DEQ will assume permitting and compliance authority for the NPDES program in phases. Per CWA §402(n)(4) and 40 CFR 123.1(g)(2), EPA will retain full permitting and compliance authority over facilities until that authority is transferred to DEQ according to the transfer schedule in Table 1 and the MOA (DEQ and EPA 2016, Appendix A). In addition, the MOA, lists each permitted facility according to its transfer phase (DEQ and EPA 2016, Appendix F).

Table 1. Schedule to transfer authority.

Phases of Authorization	IPDES Program Components
Phase I: At program approval	Municipal discharges (individual permits) and pretreatment program
Phase II: 1 year from program approval	Industrial discharges (individual permits)
Phase III: 2 years from program approval	General permits (excluding storm water)
Phase IV: 3 years from program approval	Federal facilities, storm water, and biosolids

3 Organization and Structure (40 CFR 123.22(b))

DEQ is a state department within the executive branch of the Idaho's government. DEQ was established with its sole mission to protect human health and the environment (Idaho Code §39-102A). As such, it is responsible for ensuring Idaho's citizens are protected from the adverse health impacts of pollution and ensuring clean air, water, and land in the state.

As a regulatory agency, DEQ enforces various state environmental regulations and administers a number of federal environmental protection laws including the CWA and Resource Conservation and Recovery Act. DEQ manages a broad range of activities:

- Assessment of environmental problems
- Oversight of facilities that generate air, water, and hazardous waste pollution
- Monitoring of air and water quality
- Cleanup of contaminated sites
- Education, outreach, and technical assistance to businesses, local government agencies, and interested citizens

DEQ is committed to working in partnership with local communities, businesses, and citizens to identify and implement cost-effective environmental solutions.

DEQ is governed by both a director and a board consisting of seven members appointed by the governor. Within DEQ are four divisions responsible for developing, administering, and enforcing environmental policies and for providing technical and administrative support. These divisions are air quality, water quality, waste management and remediation, and technical services. Division staff members are housed in DEQ's state office.

DEQ also maintains regional offices in Boise, Coeur d'Alene, Idaho Falls, Lewiston, Pocatello and Twin Falls. Two satellite offices are located in Grangeville and Kellogg. Regional and satellite office staff are responsible for on-the-ground implementation of environmental programs. Appendix A provides DEQ's organizational structure.

3.1 Board of Environmental Quality

The responsibilities of the Board of Environmental Quality include adopting, amending, or repealing DEQ's rules necessary to carry out the department's mission and to enforce the laws of the state. Rules adopted by the board have the force of law but are subject to legislative review. The board members are appointed by the governor, with the advice and consent of the Senate. Members serve a 4-year term at the pleasure of the governor. The board generally meets 3 to 4 times a year to conduct business including the hearing and adoption of proposed rules.

For the IPDES Program, the DEQ board is the governing body with authority to review and adopt rules proposed by the department. However, due to the nature of the board's sitting members and the likelihood that conflicts of interest will arise under 40 CFR 123.25(c), appeals of IPDES permits will be heard by a hearing authority appointed by the director from a pool of hearing officers approved by the board. As with board decisions in contested cases from other programs, the decision of the hearing officer regarding an IPDES permit appeal may be appealed for judicial review.

3.2 Director's Office

The Director's Office oversees the activities of all DEQ's divisions, provides direction for DEQ, establishes department objectives, and ensures performance. The director is appointed by the governor and serves as spokesperson for the governor on environmental matters. The legislation and administrative code for the IPDES Program states all permits will be issued by the director or the director's designee. The director retains the final decision-making authority on all department actions relating to permit issuance, compliance, and enforcement. The director's final IPDES permitting decision is appealable first through an administrative appeal process and then through the state court system (section 6.4.4).

DEQ's Communications and Outreach Team, an arm of the Director's Office, assists in communicating DEQ's message to stakeholders, the regulated community, the news media, and the general public in a user-friendly manner. Examples of outreach activities include information-sharing via the department's website; developing and disseminating written publications; issuing news releases on agency activities; participating in community events; presenting to classroom students, businesses, local and state leaders, and community groups; and providing technical and pollution prevention assistance visits to businesses and industries. Skilled technical writers/editors review documents to ensure that they are clear, concise, and accessible to present a professional image consistent with DEQ's mission. IPDES Program staff will use the Communications and Outreach Team to ensure quality documents are produced for public consumption and to communicate news regarding the IPDES Program such as creating brochures and using social media to inform the public of changes and updates to the program.

The Director's Office develops department policies; prepares department-wide annual budget and work plans, strategic plans, performance measures, and performance reports; authorizes divisions to draft regulations and manages the board's regulation promulgation process; makes decisions on informal reviews of staff; works with deputy AG to draft state legislation; testifies on behalf of the administration at legislative hearings; reviews federal initiatives and regulations relating to the IPDES Program; where appropriate, aligns the state's priorities with the national priorities; and acts as the liaison between DEQ and EPA Region 10.

DEQ's Human Resources group and Fiscal Office are also part of the Director's Office. DEQ's Human Resources group advises management in the IPDES program on recruitment, hiring practices, and employee performance management; advises employees on compensation and benefits; facilitates training and career development activities; conducts problem solving; and manages employee personnel records. The Fiscal Office assists the Water Quality Division with developing, tracking, and managing federal grant applications; developing the division's budget and spending plans; carrying out accounting; and providing internal management and administrative support to the IPDES Program. The Fiscal Office will also assist with the billing and accounts receivable for the administration of the fees associated with the IPDES Program.

3.3 Technical Services Division

The Technical Services Division provides scientific and engineering support to all of the department's divisions and regions including performing engineering reviews and construction inspections; conducting air, water, and waste compliance and enforcement inspections;

identifying and quantifying environmental problems related to ground water, soils, rock masses, and the interaction of surface water with ground water; planning and participating in subbasin assessments and preparing water quality improvement plans (total maximum daily loads [TMDLs]); reviewing technical aspects of air permit applications, industrial facility emission tests, state implementation plans, emission inventory data, emission controls, and air quality compliance issues; providing technical support for evaluation of hazardous, radioactive, and mixed waste permits; and developing innovative fate, transport, and risk modeling approaches for all programs.

The Technical Services Division may provide, in some instances, additional support in developing permit effluent limits, mixing zone analyses, inspections of IPDES-permitted facilities, or other work identified by the IPDES Program as necessary. Personnel in the Technical Services Division are not devoted entirely to a single program and provide assistance on as-needed basis. However, any staff person working on the IPDES Program will be required to have adequate training as outlined in the capacity building plan (DEQ 2015a) (Appendix B) before performing work.

Within the Technical Services Division, the Information Technology (IT) teams provide the department's IT functions. IT directly supports DEQ's core business functions by ensuring that critical tools are available to DEQ programs, allowing the programs to concentrate on protecting human health and the environment. IT's responsibilities are divided between database and network analysis and support and software development. IT provides assistance to the IPDES Program with database management, web design and application development, and network administration.

The software development team's responsibilities include developing environmental data management systems and applications; using technology to improve DEQ information management and business processes; managing data in a manner that will reduce data redundancy, improve data access, and improve data quality; and coordinating information management initiatives that may be department-wide, statewide, and regional or national.

The network support team's responsibilities are to maintain and support DEQ's e-mail system, develop and maintain the internal and wide area network, ensure connectivity to the World Wide Web, support and maintain DEQ's server and database environment, and provide end-user support through the help desk.

The IPDES Program is funding a full-time equivalent (FTE) employee to work within the software development team to manage the database and develop online applications for internal and external users to access and apply for permits, develop permit limits, comply with permit requirements, and transfer data from DEQ to EPA. More information on these procedures is provided in section 13.

3.4 Water Quality Division

The Water Quality Division implements the IPDES Program through the state office in Boise and the regional offices. This program description details the IPDES Program resources and funding (section 4) and how DEQ will:

- Draft and issue permits (section 6)
- Implement pretreatment (section 7), sewage sludge (section 8), storm water (section 9), and concentrated animal feeding operations (CAFOs) (section 10) programs
- Conduct compliance and enforcement activities (sections 11 and 12)
- Implement data management and reporting requirements (section 13)

The Water Quality Division organization chart is provided in Appendix A. A program analysis identifying staff responsibilities, required knowledge, and necessary skills is provided in Appendix C.

3.4.1 IPDES Program Management

The IPDES program manager reports to the Water Quality Division administrator and monitors any revisions to federal laws, regulations, and policies relating to the IPDES Program. The IPDES program manager negotiates budgets, work plans, performance partnership agreement (PPA) components; contributes to the DEQ strategic plan; supervises and hires staff; and integrates the IPDES Program with other Water Quality Division programs and the regional offices. As part of the federal regulatory review, necessary changes in DEQ statutes or administrative rules are identified. Necessary legislative changes are submitted by DEQ through the governor's office to the legislature for amendment of Idaho's IPDES-related statutes. DEQ initiates necessary rule changes. Proposed changes to either DEQ's statutes or administrative rules and new or revised program guidance are coordinated with EPA Region 10 to ensure that the proposals will adequately address the federal program requirements.

Continuing planning is done according to the division's continuing planning process document (DEQ 2016a). Specific projects and goals are negotiated annually with EPA via the PPA.

3.4.1.1 Administration

The IPDES administration staff supports the IPDES Program's implementation. The administration staff will coordinate and manage developing and revising IPDES rules and guidance, the IPDES data management (including database and online interface), and assessment and processing of IPDES fees.

The IPDES rules/guidance coordinator will work with permitting staff to ensure that notices and hearings are public noticed in an appropriate time frame. IPDES data managers will coordinate the receipt of electronic applications and the tracking of permit applications, permits, inspections, and other IPDES administrative actions. The IPDES administration staff will ensure that IPDES applications and permits are stored properly in the IPDES database. See Section 13 regarding the IPDES data management system for more details.

3.4.1.2 Permitting

The IPDES permitting staff will issue permits for the discharge of pollutants to waters of the United States. The permitting staff will work with the regulated community to develop applicable permits and associated fact sheets (section 6). While the permits will authorize effluent discharges to Idaho's surface waters, fact sheets will provide the details about how the permit's contents were developed.

In addition, the permitting staff will oversee and implement the Municipal Wastewater Pretreatment Program authorized in 40 CFR 403, Appendices D, E, and G, incorporated by reference in IDAPA 58.01.25.003 and the Sewage Sludge Program authorized in 40 CFR 503 incorporated by reference in IDAPA 58.01.25.003.

3.4.1.3 Compliance, Inspection, and Enforcement

The IPDES compliance, inspection, and enforcement (CIE) staff will conduct compliance reviews (e.g., discharge monitoring reports [DMRs]); reports of upsets, bypasses, sanitary sewer overflows, and annual reports; and file review); provide compliance assistance; conduct inspections to ensure compliance with program requirements and IPDES permits; collect and analyze data; take enforcement actions; coordinate enforcement actions with the IPDES permits staff and the AG's office; and enter and track compliance and enforcement information in DEQ's database.

3.4.2 Surface Water Program

The Surface Water Program develops water quality standards based on regulations in 40 CFR 131 and EPA's *Water Quality Standards Handbook: Second Edition* (EPA 1994a) that serve as the basis to protect and improve the quality of the state's waters; conducts triennial reviews of Idaho's water quality standards based on an agreed upon schedule in the PPA; reviews and modifies designated uses for specific water bodies; and adopts site-specific criteria.

This program certifies CWA §404 permits and EPA-issued NPDES permits to ensure compliance with state water quality standards and other appropriate requirements of state law; perform quadrennial Idaho Forest Practices Act audits of timber harvest operations and perform related field inspections; monitor surface water quality; assess water quality to identify impairments under CWA §303(d); report on the status and trends of Idaho's surface waters by preparing the CWA §§303(d) and 305(b) Integrated Report; develop TMDLs and watershed management plans; and identify state water quality priorities and needs.

The IPDES and the Surface Water Programs will conduct quarterly coordination video teleconferences and meetings between permit writers, TMDL writers, and water quality standards personnel to ensure that permits are written to Idaho's water quality standards and properly implement TMDL wasteload allocations, where applicable. Additionally, an annual workshop will be held where issues about implementing water quality standards, TMDL requirements, and permitting components may be discussed and highlighted as case studies for future permitting actions.

3.4.3 Wastewater Program

DEQ's Wastewater Program develops rules and guidance addressing infrastructure configuration; installation, operation, and maintenance for wastewater collection systems, treatment facilities, and disposal facilities; issues wastewater reuse permits limiting the amount of wastewater that may be land applied for irrigation; and establishes standards for on-site wastewater systems (e.g., septic systems). The Wastewater Program also reviews engineering plans and specifications for all waste treatment and disposal facilities (with certain exceptions) and issues Individual and Subsurface Sewage Disposal Permits.

Land application is a method of irrigating land with reuse wastewater where it is absorbed by the crop or assimilated into the soil structure. Wastewater reuse may contain a number of chemicals and, in some cases, human pathogens. To protect public health and prevent pollution of surface and ground waters, Idaho's *Recycled Water Rules* (IDAPA 58.01.17) require anyone wishing to land-apply or otherwise use wastewater reuse to obtain a permit before constructing, modifying, or operating a reuse facility in the state. (The rules do not apply to feedlots, dairies, and mining.) DEQ is assigned responsibility by the Idaho Legislature to issue wastewater reuse permits in the state.

Two types of wastewater reuse permits are used to regulate wastewater. Industrial permits regulate wastewater reuse from operations such as food processing facilities. Municipal permits regulate wastewater reuse that contains treated sewage. All wastewater reuse permits specify both standard and site-specific conditions. Additional requirements apply to municipal permits. More information specific to the reuse land application program at DEQ is provided at deq.idaho.gov/permitting/water-quality-permitting/wastewater-reuse.

Homes and other buildings that are not served by public sewer systems depend on decentralized *on-site* septic systems to treat and dispose of wastewater. On-site systems use a septic tank and underground (subsurface) drainfield to treat wastewater on site and are the most common wastewater treatment system used in rural areas; 36% of Idaho's homes, or about 210,000 residences, use on-site septic systems to treat sewage. The Wastewater Program in coordination with Idaho's health districts regulates the operation of on-site wastewater systems in Idaho under IDAPA 58.01.03, 01.14, 01.15, and 01.16.

The IPDES and Wastewater Programs will participate in quarterly coordination teleconferences and meetings between permit writers, inspectors, and engineering personnel to ensure that wastewater facilities are complying with the various rules and regulations applicable to the discharge and reuse of wastewater in Idaho. Additionally, an annual conference is held where issues about implementing facility plan and specification review, reuse and discharge permitting, and other issues may be discussed and highlighted as case studies for future permitting actions.

3.5 Office of the Attorney General

The AG's Office is separate from DEQ and provides legal representation for the State of Idaho. The Environment Section in the AG's Office is housed with DEQ staff. The Environment Section attorneys will provide legal services to DEQ with respect to the IPDES Program, including advice and assistance needed in rulemaking, statutory changes, permit development, permit appeals, and administrative, civil, and criminal enforcement.

The Idaho Legislature has specifically provided that at the request of the DEQ director, it is the duty of the AG's Office to institute and prosecute civil and criminal enforcement of state environmental related laws (Idaho Code §39-109). The AG's Office may delegate the authority and duty to prosecute criminal actions to the prosecuting attorney of the county in which such a criminal action may arise.

The Environment Section is part of the AG's Office, Natural Resource Division, and the Environment Section attorneys may be assisted with IPDES-related work by the other division attorneys who are experienced in a broad range of state and federal environmental laws. In

addition, the attorneys in the Civil Litigation and Criminal Law Divisions may provide assistance. The Civil Litigation Division provides advice and representation to state agencies in major civil cases. The Criminal Law Division has the responsibility of discharging the statutory criminal law duties assigned to the AG's Office.

4 IPDES Budget and Funding (40 CFR 123.22(b))

In 2015 DEQ produced a report (DEQ 2015b) evaluating the IPDES Program's needs that included staffing and cost, comparing possible options for staffing, and presenting a final program budget estimate based on projected workload (Appendix C).

As part of the Gap Analysis Effort sponsored by EPA's Office of Wastewater Management, the State Water Quality Management Resource Model was prepared to evaluate resource needs. This model was designed to permit states to develop a national estimate of the resource needs faced by state water quality management programs and to provide states with a flexible budget and planning tool. The State Water Quality Management Resource Model version 5.1 was used for this report.

The analysis report in Appendix C provides the results from the national resource model. Additionally, estimates of resource needs for a fully functioning IPDES Program were calculated based on the current number of NPDES permits in Idaho and resources used for the program from both EPA and DEQ. Results and recommendations from this report were updated in May 2015 (DEQ 2015b) after receiving comments and more current information from EPA and stakeholders. Appendix C provides the updated report with position descriptions identifying staff responsibilities, required knowledge, and necessary skills for the various personnel working in the IPDES Program (to comply with 40 CFR 123.22(b)(1)). The following subsections provide the final estimates of resources necessary to administer the IPDES Program.

4.1 Human Resources

DEQ has worked with EPA for many years participating in NPDES inspections and submitting inspection reports to EPA. Prior to submitting the NPDES application, the state program included 11 FTEs and a \$1 million budget. Results from the model DEQ used to estimate human resource needs are shown in Table 2.

Table 2. Number of hours allocated to each IPDES Program section.

Activity	Hours	Number of FTEs
Permitting	12,728	7.1
CIE	26,023	14.6
Administration	11,596	6.5
Legal ^a	1746	1.0
Total	52,093	29.2

a. Deputy AG is contracted from the AG's Office and is not part of the FTEs allocated to DEQ.

Table 3: Program workload and allocation of staff in IPDES program areas.

Job Class	Number of Full Time Equivalent Positions				Total
	Administration*	Permitting	Compliance & Inspection	Enforcement	
Analyst 5 (Manager)	0.9			0.1	1
Analyst 4 (Program Lead)	2.5			0.5	3
Analyst 3 (Specialist)	1	7.6	7.2	6.2	22
IT Analyst	1				1
Administrative Assistant	1				1
Deputy Attorney General	0.1	0.2	0.2	0.5	1
Totals	6.5	7.8	7.4	7.3	29

*Includes rules, guidance, data, and fee management

Table 4. Hiring professional, technical, and administrative staff for IPDES Program implementation.

Fiscal Year	FTEs to Hire	Cumulative FTEs	Program Management FTEs (Cumulative FTEs)	Permits FTEs (Cumulative FTEs)	CIE FTEs (Cumulative FTEs)	Legal, Administrative, and Support
2015	3	5	3	—	2	—
2016	3	8	2 (5)	1	—	—
2017	4	12	—	2 (3)	1 (3)	1 (1)
2018	10	22	—	4 (7)	4 (7)	2 ^a (3)
2019	4	26	—	—	4 (11)	—
2020	3	29	—	—	3 (14)	—
2021	0	29	—	—	—	—
Total	27	29	5	7	14	3

a. A deputy AG will be contracted from the AG's office.

FY2019: 4 Inspectors

FY2020: 3 Inspectors

Notes:

FY2015: Program Manager, Rules/Guidance Coordinator, Permits Lead, equivalent of 2 FTE inspectors already on staff.

FY2016: Compliance, Inspections and Enforcement Lead; Data Management Coordinator; Municipal Permit Specialist

FY2017: Web Design/Database Administrator, Biosolids/Pretreatment Specialist, Industrial Permit Specialist, Compliance Officer

FY2018: Administrative Assistant, 4 Permit Writers, Compliance Officer/Enforcement, 3 Inspectors

A significant component of the legislature's authorization of the IPDES Program is the allocation of 17 additional permanent full-time positions and additional funding to support the IPDES Program. These positions will be funded through appropriation requests over the next 3 years

according to the hiring plan outlined in Table 4. The new positions and funding will become a part of DEQ's base annual budget.

DEQ will be allocated the resources for an IPDES Program fully staffed with 29 FTEs and funded at approximately \$3 million. Descriptions of the IPDES Program professional, technical, and administrative positions are included in Section 4 of Appendix C. IPDES professional, technical, and administrative staff hires for the IPDES Program are shown in Table 4. As shown in Table 4, DEQ will contract for one FTE deputy AG beginning in state fiscal year (SFY) 2018.

Approval of Idaho's permitting program is anticipated to occur in July 2018, which corresponds to the beginning of SFY2019. In this first year of the program, DEQ anticipates writing and issuing municipal permits.

4.2 Fiscal Resources

During the initial planning, development, and negotiated rulemaking, DEQ proposed to the rule-making committee a program budget and fee schedule based on a model provided by EPA for calculating programmatic resource needs. This model estimated that 28 FTEs would be needed to achieve full program performance at a budget estimate of \$2.8 million per year. These 28 FTEs are identified as those hired by the department to work directly on IPDES Program elements. In addition to these 28 FTEs, at least one FTE will be supplied by the AG's Office. The IPDES Program budget accounts for this through operating dollars in the contracting program element.

Further revisions to the estimated budget occurred after discussions with the DEQ's Fiscal Office, Idaho Department of Administration, and Governor's Office. The final revised budget is shown in Table 5.

Table 5. Cost to implement IPDES Program (years 1 through 5).

Fiscal Year	2019	2020	2021	2022	2023
	(\$)				
Personnel	2,540,300	2,839,400	2,839,400	2,839,400	2,839,400
Travel	37,000	37,000	28,000	28,000	28,000
Contractual ^a	140,100	140,100	140,100	140,100	140,100
Supplies	23,300	22,100	14,000	14,000	14,000
Equipment	13,000	13,000	13,000	13,000	13,000
Total cost	2,753,700	3,051,600	3,034,500	3,034,500	3,034,500

a. Includes operating dollars to cover cost of deputy AG contracted from the state's Office of the Attorney General.

A total of 27 FTEs will be hired over the course of 7 fiscal years (the first FTEs were hired in SFY2015). Two existing FTEs support several staff in implementing the existing PPA element: 50 NPDES permit inspections.

As shown in Table 5, the IPDES Program will operate with a total budget of approximately \$3 million. Table 6 shows that state general funds and permit fee receipts will be the primary funding sources for the IPDES Program. The ongoing federal investment in FY2016 and beyond

is projected to be approximately \$168,000 annually. Federal grant funding for state wastewater permitting work is provided under CWA §106. This funding is based on a formula that is unaffected by whether or not the state has NPDES primacy.

Table 6. Revenue estimates for IPDES Program (years 1 through 5).

Fiscal Year (Phase)	Fees collected	Estimated Invoices	State General Fund-ongoing	State General Fund (One Time)	Federal Contribution
				(\$)	
2019(1)	None	0	2,000,000	585,700	168,000
2020(2)	Municipal	653,043	2,000,000	198,800	168,000
2021(3)	Municipal and industrial	901,034	2,000,000	0	168,000
2022(4)	Municipal and industrial	901,034	2,000,000	0	168,000
2023(5) ^a	All phases	1,368,224	2,000,000	0	168,000

a. DEQ will review the regulatory fee schedule during this fiscal year to determine if it is revenue neutral.

b. Estimated income from fees is highly variable in FY2023 and beyond due to the reliance on submitted notices of intent for construction projects.

The state has committed to providing ongoing fiscal support for the program at the level of \$2 million per year. In the beginning, however, the state general fund will be required to support the program until the fee authority and receipts are implemented. As DEQ begins to receive fees, the state's general fund contribution will reduce equivalent to the amount of fees received until the minimum \$2 million is reached.

Estimated annual revenues are highly variable as they rely on construction storm water applications and annual invoices. These estimated revenues will change regularly depending on the number and type of construction projects covered under the construction storm water general permit. The actual invoices for FY2023 and beyond may be greater or less than anticipated. DEQ will review the fee schedule in FY2023 to ensure that it is generating an adequate amount of funds to support the program along with the federal and state contributions. More detailed information of the estimated cost and funding for the program is found in Appendix C.

4.3 Fee Administration

A fee schedule was negotiated with the regulated community where the fee burden is spread across three categories of discharge types: municipal, individual industrial, and storm water (DEQ 2015d). Municipal fees are billed at a rate of \$1.74 per EDU for POTWs. EDUs are calculated as the population served by the POTW divided by the most current U.S. Census Bureau persons per household (2.78 in 2010) and cover costs associated with municipal wastewater facilities (POTWs), municipal separate storm sewer systems (MS4s), and pretreatment. Storm water fees cover costs associated with construction and industrial storm water permit issuance and administration. This fee schedule was included in the rule and is shown in Table 7.

Table 7. Fee schedule for IPDES permits.

Permit Type	Application	Annual
	(\$)	
Industrial permits		
Major	0	13,000
Minor	0	4,000
Storm water permits		
Construction general permits (CGP)		
1–10 acres	200	0
10–50 acres	400	75
50–100 acres	750	100
100-500 acres	1,000	400
>500 acres	1,250	400
Low erosivity waiver (CGP)	125	0
Industrial permits (municipal storm water general permits)	1,500	1,000
Certificate of no exposure	250	100
Other general permits	0	0

Fees will be assessed and billed at the beginning of the state fiscal year following the year of approval for that element of the program. This means that DEQ will send invoices for municipalities in July 2019 (SFY2020) presuming that phase I of the IPDES Program is approved in July 2018 (SFY2019). Fees will be assessed for a 12-month period covering October 1 of the previous year through September 30 of the current calendar year. For phase I of the IPDES Program, municipal fees will be assessed for each facility covered under an IPDES permit for the period from October 1, 2018, through September 30, 2019.

All municipalities covered by an IPDES permit will be invoiced in July 2019, and DEQ expects payments for the first year after October 1, 2019. Future invoices will follow the same pattern—sent in July for the 12-month period covering October of the previous calendar year through September of the current year and expecting payment after October 1 of the current calendar year (Table 8).

Individual industrial permit fees will follow the same general process but will not be implemented until July 2020 (SFY2021), with the first annual payment due October 1, 2020.

Fees for construction and industrial storm water permits and waivers will follow a slightly different schedule. Small construction projects (those disturbing from 1 to under 10 acres) will be billed an application fee but no annual fee. Additionally, those seeking a low erosivity waiver under the construction general permit (CGP) will also only be billed an application fee.

Both an application fee and an annual fee will be assessed for larger construction projects (those disturbing 10 acres or more) and for industrial storm water discharges and waivers. The fee schedule for these permittees is found in IDAPA 58.01.25.110.

Payment of application fees is expected at the time a permittee submits their notice of intent (NOI) for coverage. No authorization for discharge, or certification of waiver, will be allowed unless the appropriate fee is paid.

Table 8. Invoice schedule as applied to the transfer of IPDES permit sectors.

IPDES Permit Sector	Anticipated Approval Date	First Invoices Sent	Annual Payment Due
Individual municipalities	July 1, 2018	July 1, 2019	October 1, 2019
Individual industrial	July 1, 2019	July 1, 2020	October 1, 2020
General permits (CAFO, pesticide, aquaculture, etc.)	July 1, 2020	Not applicable	Not applicable
Storm water, biosolids, federal facilities	July 1, 2021	July 1, 2022	October 1, 2022

5 Discharge Permits in Idaho

An IPDES permit will authorize a facility to discharge pollutants into waters of the United States in Idaho, except on tribal land, under specified conditions. Each facility requiring an individual IPDES permit will be categorized as either a major or minor facility. A major publicly or privately owned treatment works is defined as a facility with a treatment plant design flow of 1 million gallons per day (MGD) or greater; serves a population of 10,000 or more; or facility that is designated at the director's discretion due to a high potential for violation of water quality standards or a potential or actual threat to human health or the environment. A nonmunicipal facility will be defined as a major facility based on the IPDES permit rating work sheet or at the director's discretion due to a high potential for violating water quality standards or a potential or actual threat to human health or the environment. The IPDES Permit Rating Work Sheet is modeled after EPA's NPDES Permit Rating Work Sheet, except that it does not include Factor 6, Proximity to Near Coastal Waters, which does not apply to IPDES-permitted facilities or activities in Idaho.

A minor facility is a discharger not classified as a major facility.

DEQ will issue IPDES permits only for discharges to waters of the United States. DEQ will only require those classes or sectors of discharges required by EPA to have an NPDES permit to obtain an IPDES permit.

The IPDES Program will also administer permits for storm water discharges in Idaho. The storm water component is described in section 9.

5.1 Individual Permits

An individual permit is issued to a single facility and is specifically tailored to the unique aspects of that facility and the receiving water body. Consistent with EPA's process and upon receipt of the appropriate application, DEQ will develop a permit for a particular facility or activity based on the information contained in the permit application (e.g., type of activity and nature of discharge and receiving water). If all permitting requirements are met, DEQ will issue a permit to the facility for a specific time period (not to exceed 5 years) with a requirement to submit a

complete application for renewal at least 180 days before the expiration date, unless DEQ granted permission to submit the application on a later date.

The procedures to develop and issue an individual permit are found in section 6.

Table 9 shows individual NPDES permits issued by EPA and certified by DEQ under CWA §401. With the exception of facilities where EPA will retain authority, DEQ will continue to issue similar types of individual permits under its IPDES Program. A list of the facilities issued an NPDES individual permit is found in the MOA (DEQ and EPA 2016, Appendix E). Table 9 does not include a number for storm water permits or those covered under either an individual or general storm water permit.

Table 9. NPDES individual permits^a.

NPDES Individual Permits	Major	Minor	Not Reported ^b
Municipal			
Publicly-owned treatment works	28	87 ^c	4
Federal facilities	—	4	—
Privately owned ^d	—	2	—
Nonmunicipal (Industrial)			
Chemical production plant	—	1	—
Federal facilities	—	2	—
Food processing (including meats)	2	6	1
Mining	5	6	5
Timber products	1	2	1
Power plants /utilities	—	1	—
Fish hatcheries	—	5	—
Water supply	—	12 ^e	—
Other ^f	—	3	7
Total	36	131	18

a. Federal NPDES permits administered by EPA are based on a February 18, 2016, query from EPA's Integrated Compliance Information System (ICIS)-NPDES database. Authority will transfer to DEQ at IPDES Program approval according to the transfer schedule agreed to in the MOA (DEQ and EPA 2016, Appendix A).

b. Facilities did not have a major or minor designation reported in EPA's dataset.

c. Includes one permit for a tribal government.

d. Municipal discharges from privately owned facilities.

e. Includes two privately owned systems.

f. Other permits have been issued to control discharges from landfills, petroleum bulk stations, ship building, transportation, and an aquarium.

5.2 General Permits

A general permit covers discharges from multiple facilities. DEQ's regulations (IDAPA 58.01.25.130) provide general permitting authority that allows issuing one permit to cover a class or category of similar discharges in a defined geographic area or political boundary with similar effluent limits. The continued use of general permits will allow the state to allocate resources in an efficient manner and provide timely permit coverage. For example, a large number of facilities that have certain elements in common may be covered under a general permit without expending the resources necessary to issue an individual permit to each facility.

Use of general permits will ensure consistent permit conditions for similar facilities. DEQ may issue a general permit for a specific geographic area to cover the following categories of discharges:

- Involve the same or substantially similar types of operations.
- Discharge the same types of wastes or engage in the same types of sludge use or disposal practices.
- Require the same effluent limits, operating conditions, or standards.
- Require the same or similar monitoring.
- Are more appropriately controlled by a general permit, as determined by DEQ.

The procedures to develop and issue a general permit and the process to authorize a discharge under a general permit are provided in section 6.5.

EPA has issued NPDES general permits that cover discharges for major and minor facilities. Table 10 lists the NPDES general permits issued by EPA and the number of authorizations under each permit. DEQ will continue using general permits and, upon program approval and according to the transfer schedule in the MOA (DEQ and EPA 2016, Appendix A), will assume permitting and compliance authority for the NPDES general permits. DEQ will introduce legislation in 2018 that excludes discharges from vessels from the IPDES program. EPA will continue to operate and issue the vessel general permit(s) under their authority in Idaho.

A list of the facilities authorized to discharge under an EPA-issued NPDES general permit is found in the MOA (DEQ and EPA 2016, Appendix D). Table 10 does not include storm water general permits (section 9.1, Table 13).

Table 10. NPDES general permits and authorizations ^a.

NPDES General Permits	Number of Authorizations	Expiration Date
Municipal		
Drinking water treatment plants—freshwater discharge	7	2021 ^b
Aquaculture		
Discharges to impaired waters	86	2021 ^b
Discharges to nonimpaired waters	10	2021 ^b
Fish processors	4	2021 ^b
Mining		
Small suction dredge placer	Not available	4/30/2018
Other		
Pesticide application ^c	136	2021 ^b
CAFO	0	5/8/2017
Vessel	Not available	12/18/2018
Small Vessel	Not Available	12/18/2019
Ground water remediation	7	9/14/2019

a. Data for this table are based on a February 18, 2016, query from EPA's NPDES General Permit Web Inventory (<http://ofmpub.epa.gov/apex/aps/f?p=GPWI:HOME:::::>) and exclude permits and authorizations issued for storm water discharges only (Table 13).

b. General permit in draft form, expect issuance in 2016.

c. Data shown is for the 2011 Pesticide General permit and was accessed from https://ofmpub.epa.gov/apex/aps/f?p=PGP_2011:HOME:::::

6 State Permitting and Administrative Procedures (40 CFR 123.22(a))

This section presents an overview of the permitting procedures associated with both individual and general permits. Procedures presented will address the potential permittee's completion and submittal of either an application or NOI. The public comment procedure will also be presented.

6.1 General Administrative Procedures

An EPA-issued NPDES permit in effect at the time the state's administration of the IPDES Program is approved and permit authority is transferred to DEQ per the schedule in the MOA (DEQ and EPA 2016, Appendix A) will continue to be in effect and serve as the IPDES permit required by state law. An EPA permit transferred to DEQ will be the same permit originally issued by EPA with the same terms and conditions and will retain the original expiration date. An EPA-administratively extended permit will retain its extension until DEQ reissues or takes other action on the permit.

An application for a new, revised, or reissued IPDES permit will be filed under the requirements of IDAPA 58.01.25.105 that outline the timing, content, and format of information submitted to DEQ for municipal and industrial discharge permits. IDAPA 58.01.25.105 prescribes permit application forms and content. A permit applicant will complete electronic application forms

equivalent to EPA forms but modified to include DEQ's logo, state-specific regulation citations, information to process a mixing zone, contractor information, and billing information and submit the forms to DEQ. For those instances where an applicant has filed for and received a waiver from electronic reporting, or DEQ has not completed an electronic application form, DEQ will use the appropriate paper federal application form or DEQ equivalent.

DEQ will follow the procedures specified in Individual Permit Application Review (IDAPA 58.01.25.106), Decision Process (IDAPA 58.01.25.107), Draft Permit and Fact Sheet (IDAPA 58.01.25.108), Public Notification and Comment (IDAPA 58.01.25.109), and General Permits (IDAPA 58.01.25.130) to process a permit application and general permit NOI. DEQ's intent is as follows:

- Issue individual permits within 180 days after receiving a complete application.
- Reissue general permits before the existing permit expires.
- Issue new general permits within 180 days after identifying a need for a general permit.
- Process authorizations to discharge under a general permit within 30 days of receipt of a complete NOI to discharge (when required by the terms of the general permit).
- Maintain IPDES permits for at least 90% of all major and minor permitted facilities in effective status (i.e., not administratively continued).

DEQ will assume authority under the IPDES Program for administratively continued EPA-issued NPDES permits and unpermitted facilities in Idaho. DEQ will prioritize permit issuance, including reissuing administratively continued permits and issuing permits to unpermitted facilities, based on the potential impact to human health and the environment. The general permitting priorities are identified in the continuing planning process document (DEQ 2016a). A schedule to address the administratively continued permits and unpermitted facilities will be identified in the permit issuance plan (PIP) and transmitted to EPA annually and specified in the annual PPA.

Upon reissuance of an EPA-issued NPDES permit as a state-issued IPDES permit, DEQ will include effluent limits, standards, and conditions at least as stringent as in the previous permit. However, DEQ will, on a case-by-case basis, evaluate permit limits and conditions during the reissuance of a permit to ensure that the limits and conditions are appropriate for that facility, discharge, and receiving water body, and according to state regulations, including antibacksliding and antidegradation provisions.

6.2 Permitting Procedures Applicable to all Permits

Permits will include conditions applicable to all permits as required in IDAPA 58.01.25.300.

6.2.1 General Procedures

Permit Issuance Plan—DEQ will prepare a PIP identifying the permits that DEQ intends to issue or reissue during the next 3-year period. The PIP will be updated annually and posted on DEQ's web page with notification made that the PIP is available for public review.

Signature—All permit applications and NOIs seeking coverage under a general permit; DMRs; written reports of upsets, bypasses, and sanitary sewer overflows; and annual reports submitted to DEQ must be signed by a certifying official as required by IDAPA 58.01.25.090.

Entry and Inspections—DEQ requires an applicant to consent to entry to the premises by DEQ representatives at reasonable times (e.g., normal business hours) upon presenting appropriate credentials and other documents as required. By completing and signing an IPDES application, the applicant acknowledges this consent. This right of entry allows DEQ the following:

- Access to and copies of any records that permit conditions require the applicant to retain onsite or make available upon request.
- Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under a permit.
- Sample and/or monitor any substances or parameters at any location to ensure permit compliance or as otherwise authorized by the CWA.

Trade Secret—A permit applicant or permittee may assert a claim of confidentiality for proprietary information or trade secrets as specified in IDAPA 58.01.21. It is the applicant's responsibility to notify DEQ of confidential information at the time of submittal by placing a stamped, typed, or other notation using language such as *trade secret*, *proprietary*, or *confidential* prominently on each sheet containing such information. The applicant shall have the burden of demonstrating that the information is a trade secret subject to protection from disclosure by DEQ. DEQ will treat the stamped submission as confidential in these cases:

- Confidentiality claim has not expired by its terms, nor waived, nor withdrawn.
- Permit applicant or permittee has satisfactorily shown that reasonable measures were taken to protect the confidentiality of the information and intends to continue to take such measures.
- Information is not, and has not been, reasonably obtainable without the permit applicant or permittee's consent.
- Permit applicant or permittee has satisfactorily shown that the information derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.
- Information is not otherwise required to be made public by state law.

All confirmed proprietary material, received in hardcopy form, will be stored in a locked cabinet when it is not under direct control of staff. The locked cabinet will be dedicated to containing confidential material and separate from the rest of the application and facility file. All confirmed proprietary material received electronically will be stored in DEQ's Compliance, Reporting, Inspections, and Permitting System (CRIPS) database or DEQ's electronic records management system (TRIM). The materials will be of the *confidential* configuration, necessary to inform DEQ personnel that information contained in this folder type may be exempt from Public Records Requests. A *Confidential Information* notice will be included in the permit file advising that confidential information related to the permit exists. DEQ will clearly mark any confidential material transmitted to EPA to facilitate proper handling of the information and will adhere to the requirements of 40 CFR 2.

Information that will not be held confidential includes the following:

- Name and address of any IPDES applicant or permittee
- Content of any IPDES permit
- IPDES permit applications and information required to be submitted by the IPDES application forms or IPDES general permit NOI, and information required to be submitted for general permits, whether the information is submitted on the application forms themselves or in any attachments used to supply information required by the application forms
- Effluent data as defined in 40 CFR 2.302

Duty to Comply—The permittee must comply with the permit conditions. Any noncompliance is grounds for the following:

- An enforcement action
- Permit termination, revocation and reissuance, or modification
- Denial of a permit renewal application.

The permittee is required to comply with effluent standards or prohibitions specified in CWA §307(a) for toxic pollutants. A permittee using or disposing sewage sludge must comply with standards for sewage sludge use or disposal specified in the CWA §405(d), IPDES rules (IDAPA 58.01.25.380), and Wastewater Rules (IDAPA 58.01.16.650).

Duty to Reapply—The permittee must apply for and obtain an individual permit, or submit an NOI and receive coverage under a general permit if they wish to continue discharging. The permittee must comply with the application requirements specified in IDAPA 58.01.25.105, or with the NOI requirements specified in IDAPA 58.01.25.130.

Need to Halt or Reduce Activity—If an enforcement activity is imposed upon the permittee, the permittee will not assert in their defense that halting or reducing operations or activities would have been required to avert noncompliance with the permit.

Duty to Mitigate—If the permittee’s activities or discharges have a reasonable likelihood to adversely impact human health or the environment, then the permittee is required to take all reasonable actions to prevent the discharge, or sludge use or disposal.

Proper Operation and Maintenance—All activities or facilities and collection, treatment, and control systems must have proper operation and maintenance (O&M) protocols identified, documented, and executed by the operator at all times. Proper O&M ensures that the protocols and infrastructure installed to process pollutants will function as required to achieve compliance with the permit conditions. O&M protocols also include laboratory controls and procedures. Redundant infrastructure or auxiliary equipment present to ensure continuous compliance with standards, specifications, and permit requirements must also receive proper O&M.

Permit Actions—The permit may be modified, revoked and reissued, or terminated for cause. Permit conditions are not stayed if the permittee files a request for permit modification, revocation and reissuance, or termination. Additionally, any notification of planned facility or activity changes or anticipated noncompliance does not stay the specified permit conditions.

Property Rights—The IPDES discharge permit does not grant any property rights or special privileges.

Duty to Provide Information—The permittee is required to supply all information requested by DEQ and required by permit conditions to submit the information to DEQ within a reasonable time. DEQ will use this information to assess permit compliance and to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit.

Monitoring and Records—The permit will specify the pollutant limits and require that the pollutants and discharge characteristics are monitored on a specified schedule, including continuous monitoring. The monitoring records must be retained for at least 3 years or longer, as specified in the permit; sewage sludge monitoring records must be retained for at least 5 years. Samples collected and monitoring performed must represent the discharged effluent's pollutants and characteristics. Retained records also include all equipment calibration and maintenance records required to verify the veracity of the resulting analytical results.

Reporting Requirements—The permittee is required to provide DEQ advanced notice of scheduled changes in ownership or operator, or to the facility or activity in these cases:

- Alteration may qualify as a new source.
- Alteration could significantly change the nature of or increase the quantity of pollutants discharged, including pollutants not addressed in the current permit.
- Alteration results in a significant change to sludge use or disposal practices and may justify including different conditions not present in the existing permit. The alteration may require modifying the current sludge disposal plan or approving additional land application sites.
- Alteration may result in noncompliance with the current permit's requirements.
- Ownership or operation is proposed to be transferred to another owner or operator. This change may require a permit modification, or revocation and reissuance to identify the new permittee and incorporate requirements that may be necessary under IPDES rules (IDAPA 58.01.025.202).

The permittee is also required to report monitoring results on the interval specified in the permit. These results may be reported on a DMR or other form, electronic or paper, identified by DEQ. If the permittee monitors any pollutant more frequently than required by the permit, the results must be included in the required calculations and data reporting submitted in the DMR or other reporting form specified by DEQ.

All reports of compliance or noncompliance, or progress reports on interim and final requirements contained in compliance schedules must be submitted within 14 days of the scheduled date of each requirement. Additionally, any noncompliance that may endanger health or the environment must be verbally reported within 24 hours, followed by a written report within 5 days.

Bypass Terms and Conditions—The intentional diversion of wastewater from any portion of the treatment process is called a bypass and is prohibited except in one or more of the following:

- The diversion was necessary to prevent loss of life, personal injury, or severe property damage.
- A feasible alternative to the bypass was not possible.
- The permittee notified DEQ at least 10 days in advance of the need for the bypass.

If the bypass was unexpected, then the permittee must notify DEQ verbally within 24 hours and provide a written explanation within 5 days. If the bypass does not exceed pollutant limits specified in the permit, and it is essential for periodic maintenance to ensure efficient operations, then no notification is required.

Upset Terms and Conditions—An exceptional incident in which an unintentional and temporary discharge results in noncompliance that is beyond the control of the permittee is known as an upset. The permittee bears the burden of proof that a technology-based effluent limit (TBEL) noncompliant discharge was due to an upset. Factors necessary to prove that a noncompliant discharge was due to an upset include the following:

- Proof an upset occurred and the cause was identified.
- Facility was properly operated at the time of the upset.
- Permittee notified DEQ within 24 hours of the upset.
- Permittee complied with the necessary remedial measures to prevent or minimize any noncompliant discharge that has a reasonable likelihood of adversely affecting human health or the environment.

DEQ has discretion in implementing compliance assistance and enforcement related to upset events.

Penalties and Fines—Permits will include statements addressing penalty and fine requirements corresponding to permit violations. Permit violations may be subject to the appropriate administrative, civil, or criminal enforcement actions, depending upon the nature of the violation.

Permit and Fact Sheet Templates—DEQ will use permit and fact sheet templates (Appendix D) to ensure uniformity and consistency that includes the following:

- Limits and their basis
- Monitoring, recording, and reporting requirements
- Compliance responsibilities
- Any special conditions DEQ deems necessary
- General requirements

All IPDES permits will consist, at a minimum, of the following general sections:

- Cover page
- Effluent limits
- Monitoring and reporting requirements
- Special conditions
- Conditions applicable to all permits

IPDES fact sheets typically contain the following major components:

- Information on public comment, public meeting, and appeal procedures
- Description of the proposed discharge
- Description of the discharge location
- Water body information and applicable water quality standards and criteria
- Effluent characteristics and pollutant data
- Technical analysis and derivation of effluent limits

- List of the proposed effluent limits and other conditions
- Information supporting the conditions in the draft permit

All templates will contain standard conditions to maintain consistency among similar permit types.

Permit Writer—Permit development will be assigned to a permit writer with appropriate municipal, storm water, or industrial sector expertise and training or to a permit writer mentored by senior staff with the sector-specific expertise.

Data Review—DEQ will review available data and information collected during a permit cycle or earlier data if appropriate (e.g., effluent, ambient, or sediment) and may revise permit limits in the reissued permit based on the technical analysis of data and facts. Revised limits will comply with water quality standards, including antidegradation and antibacksliding provisions.

Minor Modifications of Existing Permits—Upon receipt of a permittee’s request for a minor modification to an existing permit, the permit writer shall consider the list of minor modifications in IDAPA 58.01.25.201. The list of circumstances that constitute a minor modification include those where DEQ is making “a change in a permit provision that will result in neither allowing an actual or potential increase in the discharge of a pollutant or pollutants into the environment nor result in a reduction in monitoring of a permit’s compliance with applicable statutes or regulations” (IDAPA 58.01.25.201.03.i). This provision requires that any modification that DEQ may approve as minor (e.g., approving the use of a more sensitive analytical methodology for discharge monitoring) is, in fact, minor in nature. The permit writer may only process a minor modification application if the proposed change will have no potential for additional deleterious impact on the environment or will not reduce the ability to confirm a permittee’s compliance with applicable requirements. If the proposed change could not meet these regulatory requirements, or fit into one of the other categories listed in IDAPA 58.01.25.201.03, the proposed change cannot be processed as a minor modification and must be processed according to the draft permit and public notice requirements in IDAPA 58.01.25.108 and 58.01.25.109.

Administrative Record—An administrative record will be prepared for every permit developed (section 6.2.6).

Data Management—All Required Integrated Compliance Information System (ICIS) NPDES Data Elements (RIDE) will be entered into CRIPS and electronically transmitted to ICIS-NPDES (section 13).

Issuance and Effectiveness—A permit will be effective 28 days following issuance by DEQ, unless a petition to review the permit is filed, which stays contested permit conditions, or a later effective date is specified in the permitting decision. The service of notice for the decision will be the same for all parties requiring notification (i.e., permittee and those who provided comment on the draft permit or requested notification of the final permit decision). Notification to the permittee and others will be through mailings or any other reasonable method. DEQ will also post the final permit, response to comments, revised fact sheet, and associated permit documents to DEQ’s website, which is available to the public.

A permit is effective for a fixed term not to exceed 5 years; however, nothing in IPDES or federal regulations prohibits DEQ from issuing a permit with an expiration date less than 5 years. DEQ may issue some individual permits for periods less than 5 years to synchronize permits with other DEQ-issued water quality permits, such as a Reuse Permit, under the Recycled Water Program (IDAPA 58.01.17).

6.2.2 Permit Prohibitions

DEQ will not issue an IPDES permit in the following instances:

Clean Water Act Compliance—The permit conditions do not comply with the applicable requirements of Idaho’s Water Quality Standards (IDAPA 58.01.02), Rules Regulating the Idaho Pollutant Discharge Elimination System Program (IDAPA 58.01.25), and the CWA and federal NPDES regulations required by state programs.

EPA Objection—When EPA has objected to issuing an individual or general permit.

Water Quality Requirements—The permit cannot ensure compliance with Idaho’s applicable water quality requirements and affected downstream states including water within tribal lands.

Anchorage and Navigation Impaired—The Secretary of the United States Army, through the Army Corp Chief of Engineers, determines that the discharge will substantially impair anchorage and navigation in or on any waters of the United States.

Banned Content—If the discharge contains any radiological, chemical, or biological warfare agents or has high-level radioactive waste in the discharge, the permit will not be issued.

Area-Wide Waste Treatment Management Plans—The permit conflicts with a plan or plan amendment approved under CWA §208(b).

New Sources or New Dischargers—The discharge from construction activities or operations of a new source or new discharger will cause or contribute to a violation of a water quality standard. The owner/operator of a new source or new discharger proposes to discharge into surface waters that have pollutant loads allocated; but, if the proposed receiving water does not currently meet water quality standards and the potential discharger identifies sufficient remaining pollutant load allocations to allow for the new discharge, then existing dischargers to the load-limited receiving water are subject to compliance schedules designed to return the receiving water to compliance with applicable water quality standards.

Antidegradation—DEQ will continue to implement the existing antidegradation policy in Idaho’s Water Quality Standards (IDAPA 58.01.02), approved by EPA, and deny any permit that violates or contributes to the violation of the antidegradation policy.

Antibacksliding—DEQ will not reissue or modify a permit (originally issued by EPA or DEQ) to contain an effluent limit, standard, or condition that is less stringent than required by the previous permit, unless one of the exceptions outlined in CWA §402(o)(2) or IDAPA 58.01.25.200.02 is met. In no event will such a permit be reissued or modified to contain a less stringent effluent limit if implementing such a limit would result in violating a water

quality standard. DEQ will consult EPA's guidance—*Interim Guidance on Implementation of Section 402(o) Anti-backsliding Rules for Water Quality-Based Permits* (EPA 1989a).

6.2.3 Modification or Revocation and Reissuance

DEQ can decide to modify a permit based on a review of new information received, an inspection of the facility, the results of a file review, or a request to modify or revoke and reissue the permit.

Permit Modification—DEQ may modify a permit before its expiration date only for causes specified in IDAPA 58.01.25.201. A modification other than a *minor modification* requires preparing a draft permit that incorporates the proposed changes, preparing a fact sheet, and conducting a public review period. Only the permit conditions subject to the modification will be reopened when a permit is modified. All other conditions of the existing permit will remain in effect. Modifying a permit does not change the expiration date of the original permit.

Revoke and Reissue—Substantial modifications may require that the permit be revoked and reissued and that the permittee submit a new application. When a permit is revoked and reissued, the entire permit will be reopened as if the permit has expired and is being reissued. The permittee will comply with all conditions of the existing permit until it is replaced with a reissued permit. In addition to a substantive permit modification, a permit may be revoked and reissued when there is cause to terminate the permit as described in IDAPA 58.01.25.203. A revoked and reissued permit will be issued for a new term not to exceed 5 years.

Denial of Permit Modification or Revocation and Reissuance—If DEQ decides that a request to modify, or revoke and reissue, a permit is not justified, a written response will be sent to the requester giving the reason for the decision. DEQ will not provide public notice for a decision to deny a request to modify or revoke and reissue a permit.

Additional Information—DEQ may request additional information or require the permittee to submit an updated application if the permit is modified for any of the following reasons:

- Alterations—Material and substantial alterations or additions to the permitted facility or activity occurring after permit issuance that justify applying for permit conditions that are different or absent in the existing permit.
- Information—New information is received that was not available at the time of permit issuance (other than revised regulations, guidance, or test methods) and would have justified applying for different permit conditions at the time of permit issuance.
- New regulations—The standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued.
- Compliance schedules—Good cause exists for modifying a compliance schedule over which the permittee has little or no control.
- Request for variance—When the permittee files a request for a variance under CWA §§301(c), 301(g), 301(i), or 316(a) or for fundamentally different factors within the time specified in IDAPA 58.01.25.310.01.b.i.
- Toxics—When required to incorporate an applicable CWA §307(a) toxic effluent standard or prohibition incorporated by reference in IDAPA 58.01.25.003.02.t.

- Reopener—When a reopener clause in the permit requires the permit to be reopened to include toxic effluent limits or pretreatment program requirements.
- Net limits—Upon request of a permittee who qualifies for effluent limits on a net basis or when the discharger no longer is eligible for net limits.
- Pretreatment—When required to include a compliance schedule for developing a pretreatment program.
- Nonlimited pollutants—When the level of discharge of any pollutant that is not limited in the permit exceeds the level that can be achieved by the technology-based treatment requirements appropriate to the permittee.
- Notification levels—To establish a *notification level*, as provided in IDAPA 58.01.25.302.08.
- Small municipal separate storm sewer systems—To include an effluent limit requiring implementation of minimum control measures, as specified in 40 CFR 122.34(b) (IDAPA 58.01.25.201.02.c.xiv), when the permit does not include such measures based upon the determination that another entity was responsible for implementing the requirements and the other entity failed to implement the measures that satisfy the requirements.
- Technical mistakes—To correct technical mistakes, such as errors in calculation or mistaken interpretation of law, made in determining permit conditions.
- Inability to achieve limits—When a properly installed and maintained treatment technology fails to meet effluent limits DEQ considered appropriate at the time of permit issuance. In this case, the limits in the modified permit may reflect the level of pollutant control actually achieved but shall not be less stringent than required by a subsequently promulgated effluent limit guideline.

Minor Modification—When modifying an existing permit satisfies the criteria of a *minor modification* described in IDAPA 58.01.25.201.03, a permit is modified without preparing a draft permit or providing a public review period.

6.2.4 Transfer

A permit may be transferred to a new permittee by either of the following:

- Modifying or revoking and then reissuing a permit to the new permittee
- An automatic transfer if the permittee notifies DEQ in writing at least 30 days before the proposed transfer date

An automatic transfer requires that the parties prepare a written agreement between the existing permittee and the new permittee containing the specific date of transfer of permit responsibility, coverage, and liability, and provide this document to DEQ with the notification. If DEQ does not notify the permittee that the permit will be modified or revoked and reissued, then the transfer occurs automatically as stipulated in the agreement. An automatic transfer will be effective on the date specified in the written agreement between the original and new permittees.

6.2.5 Termination

As provided for in IDAPA 58.01.25.203, an existing permit may be terminated or a permit reissuance denied for any of the following conditions:

- Permittee does not comply with the permit.
- Permittee fails to fully disclose relevant information in the application or misrepresents the information.
- Discharge endangers human health or the environment.
- Change in any condition that requires either temporarily or permanently reducing or eliminating any discharge (e.g., plant closure or terminating the discharge by connecting to a POTW).

DEQ will prepare an NOI to terminate describing DEQ's rationale. An NOI to terminate is a type of decision that follows the same procedures as any draft permit. The NOI to terminate will be sent to the permittee, EPA, and others upon request. Depending on the reasons for termination and public interest, a public meeting may be held. DEQ will respond to comments received and issue a final decision. If the final decision is to terminate the permit, termination will be effective 28 days after public notice, unless specified otherwise in the final decision. The final decision to terminate the permit is appealable.

If the final decision is not to terminate a permit, then DEQ will document its decision in a fact sheet and send a copy to the permittee, EPA, and anyone who commented during the public review period and specifically requested to be notified. The final decision will be posted on DEQ's web page. The final decision to not terminate the permit is appealable.

An expedited process for terminating a permit may be used if the discharge is permanently eliminated (e.g., facility connects to a POTW's collection system, eliminates discharge to surface water, or closes). In this case, DEQ will provide termination by notice that will be effective 30 days after the termination notice is sent, unless the permittee objects within that time. If the permittee objects to the termination, then DEQ will follow the procedures for terminating a permit stated above.

If the permittee is actively addressing an enforcement action, whether federal, state, or third party, the permit is not eligible for termination until the enforcement is rectified.

6.2.6 Administrative Record

Once a final permit is issued, DEQ will enter permit limits, monitoring requirements, any special conditions, and a compliance schedule, when included, into the CRIPS database to track a facility's compliance performance with the permit.

Before final issuance, DEQ will prepare an administrative record for a final permit that consists of the following:

- Application and supporting data
- NOI to deny the application or, if applicable, to terminate, modify, or revoke and reissue a permit
- Inspection report, if applicable
- Preliminary draft, draft, proposed final, and final permits
- Fact sheets addressing both the draft and final permits
- All documents cited in the fact sheet (except EPA and state guidance documents), including calculations used to derive permit limits

- List of EPA and state guidance documents used to develop the permit and fact sheet
- Comments received during the public review and comment period, including during any meeting, as well as comments received from the applicant on the preliminary draft permit and proposed final permit
- Response to comments
- Permit appeal-related documents, when applicable
- Other documents contained in the supporting file for the permit

The permit file will include the associated documentation for a permit that is modified, revoked and reissued, transferred, or terminated.

6.2.7 Integrated Permitting

Multiple Discharges—DEQ will issue one IPDES permit for multiple discharges from a facility or activity at a particular geographic site whenever possible or feasible. If the applicant requests a separate permit for each of the discharges from the geographic site by filing separate applications, DEQ may process the applications as submitted.

Watershed Permitting—DEQ will consider permitting on a watershed basis based on EPA policy and guidance, if feasible and/or appropriate.

6.3 Permitting Procedures for Individual Permits

This section describes the IPDES individual permit development, review, issuance, and modification processes required under IDAPA 58.01.25 (40 CFR 122 and 124). All individual permits will follow the same process, except that an application for a new or substantially modified industrial facility will include a new source determination review. Every IPDES facility will be assigned to a permit writer who will be responsible to determine application completeness, determine whether DEQ should deny or issue a permit, compose the draft permit and fact sheet, navigate the documents through the public comment process, and issue or reissue the permit.

6.3.1 Permit Application and Review

Preapplication Meeting—The applicant is encouraged to schedule a preapplication meeting with DEQ as identified in the preapplication process (IDAPA 58.01.25.104). The applicant should take this opportunity to describe the facility or activity and discuss the wastewater discharge alternatives offered by the state. If surface water discharge is deemed the most appropriate avenue to pursue, DEQ will provide the applicant guidance on required application content, the permitting process, and estimated permit issuance date.

Work Plan—DEQ and the applicant may negotiate a tailored permit work plan for a major new source, major new discharger, or for a complex project. The work plan will establish target dates for the applicant to submit a complete permit application and for DEQ to prepare a draft permit and supporting documents, provide public notice, complete the public review process, and issue the permit.

Application—The operator will submit to DEQ an application for an individual permit on approved forms as specified in IDAPA 58.01.25.105 with the appropriate information for a new source, new discharger, or existing source. An applicant seeking to renew an existing permit must submit a complete application at least 180 days before the permit expiration date, unless a later date is requested and approved by the director before the 180-day deadline. An applicant proposing a new discharge must submit a complete application at least 180 days before the anticipated date of the discharge.

Required information, specified on the forms, submitted for a new or renewed permit, may not be classified as a trade secret. The following information will be denied confidentiality:

- Name and address of any permit applicant or permittee
- Permit applications, permits, and effluent data
- Information submitted on the application forms and any attachments used to supply information required by the forms

Data Management—Application information will be automatically stored in the CRIPS database when a permittee submits an online electronic application. DEQ staff will manually enter application information submitted as a hard copy within 14 days of receipt of an application.

Application Completeness Determination Review—DEQ’s intent is to determine whether an application is complete (a process called application completeness determination) in as timely a manner as workload and staffing allow. According to IPDES rules, DEQ will notify the applicant regarding completeness within 30 days for a new source or new discharge, or within 60 days for an existing source or sludge-only facility (IDAPA 58.01.25.106.03). The review verifies that the submitted information is complete. For example, DEQ will check that the application is properly signed, appropriate fee submitted, all informational fields are filled out properly, and required attachments are included. Acceptance of an application for processing does not preclude DEQ from requesting additional information from the applicant at a later date.

Incomplete Application—If DEQ determines that an application is incomplete, the breadth of information is inadequate, or fees unpaid, DEQ will contact the applicant directly to request additional information or fee payment. If the application is deficient, a letter defining these deficiencies will be sent (e-mailed) to the applicant. In the event that the information is not readily available or the applicant is not responsive, DEQ will provide a written summary of the application deficiencies to the applicant. Application review will be suspended pending receipt of the additional information or appropriate fee. If an applicant fails or refuses to correct application deficiencies, the permit may be denied. An applicant of an existing facility that fails to submit a complete application to reissue a permit before its expiration date but continues to discharge after the expiration date will be operating without a valid permit required under IDAPA 58.01.25.102 and violating IDAPA 58.01.25.

Fees—DEQ is required to verify that the applicant is current on all IPDES fees for the permit application to be determined complete. IPDES fee structure segregates applicants into categories that are charged an annual fee, an application fee concurrent with application or NOI submittal, or both.

Administrative Extension—If DEQ determines that after receiving a complete application, submitted in a timely manner, augmented by any supplemental information that satisfies the administrative completeness review, and through no fault of the applicant, that an existing permit will expire before a permit is reissued, then the permit will be administratively extended per IDAPA 58.01.25. The administrative extension has no time limit, and the existing permit will remain fully effective and enforceable until DEQ issues the replacement permit, or takes alternative action. Administratively extending a permit does not extend the original expiration date of the permit. DEQ will not modify an administratively extended permit. DEQ will notify the applicant by letter that the application was received, determined to be complete, and that the permit is eligible for an administrative extension, if necessary.

Engineering Plans and Specifications—According to Idaho Code §39-118, engineering plans and specifications for the construction of, or material modification or expansion of, sewage systems, treatment plants, waste treatment or disposal facilities, public water systems, or public water treatment systems must be submitted to and approved by DEQ before construction may begin. When accompanying a permit application, the plans and specifications will be reviewed and approved concurrently with the development and issuance of a municipal permit and may be reviewed concurrently with the development and issuance of an industrial permit. Industrial facilities' plans and specifications may be required to assess the TBELs. Additionally, if different processes at the facility generate pollutants that interfere with analytical methods used to quantify other pollutants present, then suitable internal sampling points will need to be identified for each pollutant. Plan and specification review will be accomplished in conjunction with DEQ's regional office engineering staff for municipal facilities that must comply with DEQ oversight as specified in Idaho's Wastewater Rules (IDAPA 58.01.16).

Plan and specification submittal may be required of industrial facilities, under the Wastewater Rules (IDAPA 58.01.16.401), in order for the IPDES Program to ascertain whether the facility can comply with the Effluent Guidelines and Standards (40 CFR 401, 403, and 405 through 471). Additionally, plan and specification submittal may be required of industrial facilities in order for DEQ to evaluate process changes to determine appropriate permit documentation or evaluate variance requests for fundamentally different factors from those on which effluent guidelines were established.

Generate or Deny Permit Decision—After DEQ has determined that the permit application is complete, DEQ will assess whether the facility or activity warrants a permit. If DEQ determines that the facility or activity does not warrant a permit, DEQ will issue an NOI to deny the permit. An NOI to deny is a form of draft permit, eligible for public notification, comment, and public meeting as specified in IDAPA 58.01.25.109. DEQ will issue a public notice of the NOI to deny the permit application. All application information will be made available for public review. If necessary, or if requested, a public meeting will be scheduled. After the receipt of public comments, DEQ will generate a response to public comment and issue a final decision. The final decision may be to withdraw the NOI to deny and proceed to generate a draft permit, or concur with the original decision to deny the permit application. If the decision is to deny the permit application, the applicant may appeal the decision as authorized in IDAPA 58.01.25.204.

6.3.2 IPDES Permit Development

Initial Review—The permit writer will review the permit application and facility file, including inspection reports, compliance information, DMR data, receiving water data (if available), and past and existing enforcement actions. Additional document review could include pretreatment program status, sanitary sewer overflow frequency, storm sewer overflow reports, and bypass or upset notifications.

Site Visit—When necessary and appropriate, DEQ will conduct a site visit of a facility as part of developing a draft permit and associated fact sheet. This site visit may occur before determining that the application is complete (Section 6.3.1).

New Source/New Discharge—DEQ will conduct a new source/new discharge determination for new applications and reissued permits for modified facilities according to New Sources and New Discharges (IDAPA 58.01.25.120).

Fact Sheet—DEQ will use a fact sheet template (Appendix D) to ensure consistent permit development and documentation. Adhering to IDAPA 58.01.25.108.02, a fact sheet will be prepared for draft IPDES permits.

The fact sheet will describe the discharge, outfall location and design, water quality information, and receiving water body characteristics. The fact sheet will explain the basis for the permit limits; why TBELs are suitable for some pollutants while others have water quality-based effluent limits (WQBELs); how any WQBEL was derived; present a mixing zone analysis if a mixing zone appears in the draft permit; when a new source/new discharger proposes a discharge to an impaired water body; use of compliance schedules; or when waivers from monitoring requirements are granted. The basis for monitoring frequencies and sampling locations will be described. Permit requirements and special conditions will be explained. The fact sheet will briefly establish the principal facts and the significant factual, legal, and policy questions considered in preparing the draft permit. The fact sheet may also address multiple draft permits if the conditions of the receiving water for the facilities and the operating conditions of each facility are suitably similar.

Sewage Sludge (Biosolids) Regulations—When applicable, DEQ will include language in the permit and fact sheet addressing sewage sludge requirements. Compliance with Idaho's IPDES rules addressing sewage sludge (IDAPA 58.01.25.380) and 40 CFR 503 is required. These rules and regulations establish standards consisting of general requirements, pollutant limits, management practices, and operational standards for processing, handling, collecting, using or disposing of sewage sludge and products made from sewage sludge.

Idaho may issue permits to treatment works treating domestic sewage that only receive, process, dispose of sewage sludge, or generate a product from sewage sludge for use as a soil augmentation. Applicants for these facilities will be directed to submit the information identified on EPA forms 1 and 2S. Additional information on sewage sludge (biosolids) management is provided in section 8.

Technology-Based Effluent Limits—TBELs and standards will be based on effluent limit guidelines, new source performance standards, best professional judgement, or a combination of

the three as specified in 40 CFR 125.3, which DEQ has incorporated by reference. Various TBELs will be employed to control pollutant discharges from both existing and new dischargers.

DEQ will use the following EPA regulations that are adopted by reference into state regulations:

- Criteria and Standards for Imposing Technology-Based Treatment Requirements—40 CFR 125.1 through 125.3, adopted by reference in IDAPA 58.01.25.003.02.n
- Secondary Treatment Requirements—40 CFR 133, adopted by reference in IDAPA 58.01.25.003.02.u
- Effluent Limitations and Guidelines General Provisions—40 CFR 401, Subpart N, adopted by reference in IDAPA 58.01.25.003.02.w
- Industry Sector Effluent Limitations and Guidelines—40 CFR 405 through 471, adopted by reference in IDAPA 58.01.25.003.02.y

DEQ may also refer to the *NPDES Permit Writers' Manual* (EPA 2010).

Idaho's Wastewater Rules (IDAPA 58.01.16) establish the procedures and requirements for planning, designing, and operating wastewater facilities, while the IPDES Program regulates the treatment and discharge requirements related to the discharge of pollutants from such facilities. DEQ will rely upon these state regulations for municipal collection system and unit process evaluations, along with sewage sludge siting, processing, and disposal or reuse. Section 8 "Sewage Sludge (Biosolids) Program" provides more information on this activity.

Reasonable Potential Analysis and Water Quality-Based Effluent Limits—DEQ will determine if any pollutant in the discharge has the potential to cause or contribute to an excursion of a state water quality standard. IDAPA 58.01.25.302.06.a.i (40 CFR 122.44(d)(1)(i)) requires that effluent limits be established for all pollutants and pollutant parameters that are or may be discharged at levels that will cause, have the reasonable potential to cause, or contribute to an excursion above any state narrative or numeric water quality criteria. Where reasonable potential is found, a permit must include WQBELs that ensure the discharge will not cause violations of applicable water quality standards for individual pollutants and whole effluent toxicity (WET).

DEQ will determine reasonable potential for an exceedance of numeric water quality criteria by following the procedures consistent with EPA's *Technical Support Document for Water Quality-Based Toxics Control (TSD)* (EPA 1991). DEQ will also ensure compliance with antibacksliding and antidegradation requirements.

In addition to EPA (2010), DEQ will consult EPA and DEQ guidance, policy, and regulations/rules, as follows:

- *NPDES Permit Writers' Manual*, Chapter 6, "Water Quality-Based Effluent Limits" (EPA 2010)
- *Guidance on Water Quality-Based Effluent Limits Set Below Analytical Detection/Quantitation Limits* (EPA 2005)
- *Policy for the Development of Water Quality-Based Permit Limitations for Toxic Pollutants* (EPA 1984)
- *Permit Writer's Guide to Water Quality-Based Permitting for Toxic Pollutants* (EPA 1987)
- *Water Quality Standard Handbook: Second Edition* (EPA 1994a)

- Toxic Pollutant Effluent Standards and Prohibitions—40 CFR 129.1 through 129.105, incorporated by reference in IDAPA 58.01.25.003.02.t.
- Criteria and Standards for Determining Alternative Effluent Limitations—40 CFR 125.70 through 125.73, incorporated by reference in IDAPA 58.01.25.003.02.q.
- *Idaho Antidegradation Implementation Procedures* (DEQ 2012)

Mixing Zone—The applicant must request a mixing zone in their application, even if the applicant received a mixing zone in a previous permit. This notification will direct DEQ to evaluate the facility’s discharge using a mixing zone to establish discharge limits. DEQ will use the Water Quality Standards Mixing Zone Policy (IDAPA 58.01.02.060), *Idaho Mixing Zone Implementation Guidance* (DEQ 2016b), and EPA’s TSD (EPA 1991) to establish pollutant discharge limits. The fact sheet supporting the permit will document the associated mixing zone analysis.

Metals Limits—DEQ will establish effluent limits for metals consistent with the TSD and Idaho water quality standards (which are often based on total recoverable metal) and, when appropriate, may develop a translator to calculate a total recoverable permit limit from a dissolved criterion. However, ambient monitoring in the receiving water body may be reported as dissolved if the water quality standard for that parameter is measured as dissolved. The fact sheet accompanying the permit will explain the circumstances. DEQ will consult the following EPA guidance to develop a translator:

- *The Metals Translator: Guidance for Calculating a Total Recoverable Permit Limit From a Dissolved Criterion* (EPA 1996a)
- *Technical Guidance on Interpretation and Implementation of Aquatic Life Metals Criteria*. (EPA 1993a)
- *Guidance Document on Dynamic Modeling and Translators* (EPA 1993b)
- *Guidance Document on Clean Analytical Techniques and Monitoring* (EPA 1993c)
- *Interim Guidance on Determination and Use of Water-Effect Ratios for Metals* (EPA 1994b)

Establishing Effluent Limits—DEQ will compare the TBELs to the calculated WQBELs and place the more stringent of the two in a preliminary draft permit, a draft, and a final permit according to IDAPA 58.01.25. The fact sheet will explain the basis for establishing the effluent limits. DEQ will prepare a preliminary draft permit that includes consistent permit terms and conditions and monitoring and reporting requirements as in other IPDES permits with similar treatment processes and waste streams, unless compelling circumstances exist that warrant otherwise. DEQ will employ best professional judgement on a case-by-case basis to establish monitoring frequencies to collect samples that represent the treated wastewater discharged and sufficient in number to determine the impact to the receiving water body. DEQ will require similar and consistent monitoring requirements for similar facilities, discharges, and receiving environments. DEQ will consider unique Idaho conditions and will consult EPA guidance documents and policy to assist with establishing monitoring locations, frequencies, analytical methods, and reporting requirements:

- *NPDES Permit Writers’ Manual*, Chapter 8, “Monitoring and Reporting Conditions” (EPA 2010)
- *Representative Sampling in NPDES Permits* (EPA 1983a)

Site-Specific Conditions—DEQ will establish effluent limits and permit conditions based on site-specific conditions in the receiving water body (IDAPA 58.01.25.302. and 303.). The permit may include requirements to conduct concurrent monitoring of receiving water quality or other conditions specific to the project to determine compliance with state water quality standards.

Compliance Schedule—When appropriate, DEQ will include compliance schedules in IPDES permits that will identify necessary improvements and stipulate completion dates in order for the facility to meet final effluent limits or other permit conditions. Compliance schedules will identify the manner of system alteration, whether technology based or operational modifications, that will bring the discharge into compliance as quickly as possible. Compliance schedules may exceed 1 year (6 months for sewage sludge activities), but only if interim requirements and interim progress report submittal dates are set forth in the compliance schedule. Compliance schedules may allow a discharger to phase in, over time, facility improvements necessary to comply with WQBELs or other permit conditions. Compliance schedules may identify necessary facility upgrades, alternate operating procedures, or other equipment changes required to bring the facility's discharges into compliance with the permit conditions. The permit may establish interim effluent limits, enforceable during the duration of the compliance schedule, that terminate when the facility attains the stipulated final effluent limits.

Variations—The IPDES rules, CWA, and federal regulations provide limited mechanisms allowing DEQ to modify or waive the generally applicable effluent limit requirements or CWA time deadlines for an IPDES-permitted discharger. Variance requests may include those for fundamentally different factors; variances under CWA §§301(c), 301(g), 301(n), and 316(a); modification to federal effluent limits established under CWA §302; and water quality standards.

DEQ will process a variance request consistent with IDAPA 58.01.25.310. DEQ will conduct an initial review of a variance request received on or after the date of program authorization and when permitting authority for the permit has been transferred from EPA to DEQ per the transfer schedule in the MOA. DEQ may deny or approve a request for a variance under CWA §316(a) or water quality standards. For other variance requests, a copy of the request will be sent to EPA, and DEQ's determination to deny a request for a variance will be sent to the requester and EPA. If DEQ determines factors exist that may warrant such a variance or modification, the request and recommendation for approval will be sent to EPA. If EPA denies a variance or modification request, EPA will notify the requester and DEQ. EPA will consider a fundamentally different factor variance only after DEQ has forwarded the variance to EPA with their written concurrence. If EPA approves a variance or modification request, DEQ will prepare a draft permit factoring in the variance. DEQ will consult the following EPA regulations and guidance documents to process variance requests:

- Criteria and Standards for Determining Fundamentally Different Factors, adopted by reference in IDAPA 58.01.25.003.02.p
- *Procedures for Processing Fundamentally Different Factor Variances* (EPA 1983b)
- Criteria for Determining Alternative Effluent Limitations Under Section 316(a) of the Clean Water Act, adopted by reference in IDAPA 58.01.25.003.02.q

Whole Effluent Toxicity—DEQ will include WET testing requirements in permits for POTWs with a design flow greater than 1.0 MGD; POTWs with approved pretreatment programs; and for

facilities with a discharge that has a reasonable potential to cause or contribute to an exceedance of a state water quality standard (IDAPA 58.01.02).

WET Testing—For facilities required to conduct WET testing, DEQ will include conditions in the permit requiring the permittee to prepare and implement a toxicity reduction evaluation (TRE) plan that may also include a toxicity identification evaluation (TIE) if WET test results do not comply with the WET limits or monitoring trigger. The purpose of the TRE will be to investigate the causes and identify corrective actions for effluent toxicity problems. DEQ will consult the following EPA guidance and policy to assist with developing the TRE/TIE plan and to reduce and control toxicity:

- *Generalized Methodology for Conducting Industrial Toxicity Reduction Evaluations (TREs)* (EPA 1989b)
- *Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants* (EPA 1999a)
- *Clarifications Regarding Toxicity Reduction and Identification Evaluations in National Pollutant Discharge Elimination System Program* (EPA 2001a)
- *Guidelines Establishing Test Procedures for the Analysis of Pollutants; Whole Effluent Toxicity Test Methods* [Final Rule Federal register/Vol. 67 69951] (EPA 2002a)
- *Whole Effluent Toxicity (WET) Control Policy* (EPA 1994c)

Toxics Control—DEQ will modify a permit to include WQBEL or WET limits when permit conditions to control toxicity are different or absent in the existing permit. When toxicity is detected, DEQ will include a requirement in the permit to prepare a TRE plan in accordance with EPA guidance listed above.

Primary Industry—DEQ will include a special condition in a permit for a Primary Industry Category, identified in 40 CFR 122, Appendix A (incorporated by reference in IDAPA 58.01.25.003.02.j.), requiring the permittee to conduct a priority pollutant scan.

Quality Assurance Project Plan—In a permit, DEQ will require a Quality Assurance Project Plan (QAPP) to be developed and/or implemented that describes appropriate quality assurance procedures to ensure proper collection, laboratory controls, and sample analysis. The permit writer will consult the following EPA guidance:

- *EPA Requirements for Quality Assurance Project Plans* (EPA 2001b)
- *Guidance for Quality Assurance Project Plans* (EPA 2002b)

Best Management Practices—In a permit, DEQ will include the requirement to implement best management practices (BMPs) according to CWA §402 and 40 CFR 122.44(k), incorporated in IDAPA 58.01.25.302.13, to encourage waste minimization and pollution prevention. DEQ will consult the *Guidance Manual for Developing Best Management Practices (BMP)* (EPA 1993d) to assist with developing the BMP conditions.

Discharge Monitoring Report—IPDES permittees will submit monitoring and reporting data via EPA's NetDMR. EPA's electronic reporting rule requires that all NPDES-permitted facilities submit data via NetDMR by December 21, 2016. As a result, IPDES permittees will already be fully using NetDMR when DEQ begins implementing the IPDES Program. DEQ will acquire data from NetDMR and/or ICIS-NPDES to follow IPDES permit compliance.

Permit Checklist—DEQ will use a Permit Submission Checklist to develop consistent, legally defensible permits throughout the state. DEQ will conduct an internal peer review of the preliminary draft permit, fact sheet, and DMR template (if applicable) to ensure consistency with similarly issued permits and allow for senior management review, when appropriate.

Compliance and Enforcement Program—At the discretion of the IPDES Program’s permit lead and CIE lead, the permit writer may provide the preliminary draft permit for review to the CIE staff assigned to the facility. The CIE staff will review and provide comments on the preliminary draft permit for content concerning compliance and enforceability.

6.3.3 Draft Permit

Applicant Draft Review—DEQ will transmit a preliminary draft permit and fact sheet to the applicant for a 10-business day review period, unless the applicant waives all or part of the review period. DEQ may allow the applicant a longer preliminary draft review period for complex permits. During the applicant review period, the applicant will review the documents for errors and omissions and may provide comments on the preliminary draft permit. Discussions with DEQ staff concerning the preliminary draft permit are encouraged. DEQ may revise the preliminary draft permit and fact sheet based on comments received from the applicant. These changes will be tracked and become part of the administrative record.

The preliminary draft becomes the draft permit and is posted for public review and comment. The posted draft permit undergoes public participation procedures identified in section 6.4. The draft permit will be transmitted simultaneously to EPA for a review period. EPA may request up to an additional 60 days to review draft permits pursuant to the MOA (DEQ and EPA 2016).

6.4 Public Participation Procedures

Sound permitting decisions based on a complete understanding of local conditions are an intended and expected result of Idaho obtaining authorization to administer the NPDES permitting program.

Public Access—As the state’s environmental permitting authority, DEQ intends to rely on input from stakeholders to inform its permit decisions. An important goal in DEQ’s IPDES Program is to enhance public access to permit information and processes to produce accurate permits and compliance with permit terms and conditions.

Efficiency—The IPDES permit issuance process must efficiently inform the public and collect, consider, and respond to input. An efficient permit issuance system is capable of clear and open communication with interested stakeholders while maintaining a schedule for timely permit development and issuance. The process also should engage the interested public in a thoughtful and effective manner to be accessible and informative but not a burden. An anticipated byproduct of these efforts is a high degree of public confidence in DEQ and in the permits issued and administered by the department.

Because DEQ will not have delegated NPDES authority on tribal lands, tribes retain the government-to-government relationship they currently have with EPA. At the same time, the IPDES public participation process extends coordination efforts and opportunities to tribal

governments about concerns with potential IPDES permits that may impact waters flowing across tribal lands.

Record Keeping—Documentation of public comments will be included as part of the administrative record along with department responses, actions, decisions, and supporting information. DEQ will maintain an official record of each permitting action and make those records readily available to the public through DEQ's web interface.

Notification of IPDES Actions—When an application is determined to be complete, DEQ will post it to the department's website for the public comment period. DEQ will be mindful of the advantages of communicating with stakeholders during the permit process.

DEQ seeks to be proactive in the IPDES permitting process. A PIP will be posted on the DEQ website and updated biannually. The PIP lists all permits proposed to be issued or reissued during a calendar year. The PIP will be posted on DEQ's website and e-mailed to local contacts and any interested party upon request.

6.4.1 Basic Public Process

Although DEQ may use additional communication tools as described throughout this document, the basic process for providing public participation on an IPDES permit (either individual or general permit) is identified in IDAPA 58.01.25. This process begins once a draft permit has been prepared. Each step in the required process is described below.

Preliminary Draft Permit—Before formal public notice of a draft IPDES permit, DEQ will post the notice of a forthcoming draft permit on the DEQ website and provide a permit applicant 10-business days to review the preliminary draft permit, unless the review period is waived in part or in whole by the applicant. For some complex permits, DEQ may allow the applicant a longer preliminary draft review period. This period is primarily intended for the applicant to review and discuss any errors and omissions in the preliminary draft permit with DEQ, but it also provides public notification that a draft permit will become available for public review and comment after DEQ has addressed any errors and omissions identified in the preliminary draft.

Draft Permit—Publication of a notice that a draft permit is available initiates a minimum 30-day public review and comment period (IDAPA 58.01.25.109.01.a–c). This public notice is provided by a combination of mailings to the applicant, certain listed state and federal agencies, affected Indian tribes, any users identified in the permit application or a privately owned treatment works, persons who specifically request to be kept on the mailing list, and any local government having jurisdiction over the area where the facility is located. DEQ may also provide notice of opportunities on the department's website, through mailing lists, periodic publication in newspapers, regional and state-funded newsletters, environmental bulletins, state law journals or similar publications, or any other method reasonably calculated to give notice of the action to persons potentially affected (IDAPA 58.01.25.109.01.d).

The permit application, draft permit, and fact sheet describing the terms of the permit will be available during the public comment period (IDAPA 58.01.25.109.01.d). DEQ may schedule a public meeting on the draft permit if significant public interest exists, an interested party requests in writing a public meeting within the first 14 days of the public comment period (IDAPA 58.01.25.109.02.b.), or for another good reason (IDAPA 58.01.25.109.01.i).

As identified in the MOA (DEQ and EPA 2016), EPA will review draft permits rather than proposed permits. EPA, however, may choose to review a proposed permit instead of, or in addition to, reviewing the draft permit. EPA may take up to 90 days to provide specific grounds for objection of a proposed permit.

Proposed Permit—After the close of the minimum 30-day public comment period, DEQ considers information provided by the public, prepares a document summarizing the public comments received on the draft permit and may make changes to the draft permit. After the public comment period and before issuing the final permit decision, DEQ will give the applicant an opportunity to provide additional information to respond to public comments. DEQ may request more information from the applicant to respond to public comments (IDAPA 58.01.25.109.02.h.). New data and information provided after the public comment period may necessitate another public comment period if it results in substantive changes to the draft permit.

DEQ may then develop a proposed permit. If EPA objects to a proposed permit, any state, interstate agency, or interested person may request that EPA hold a public hearing about the objection. Alternatively, DEQ may submit a revised permit that meets EPA's objections. EPA may, but is not obligated to, issue the final permit if DEQ does not submit a revised permit that meets EPA's objections within the time periods specified in the NPDES MOA (DEQ and EPA 2016) (40 CFR 123.44).

Final Permit—Following the close of the public comment period on a draft permit and fact sheet, and upon resolution of any objections from EPA, DEQ will issue a final permit decision and fact sheet. A final permit decision means a final decision and the final permit action to issue, deny, modify, revoke and reissue, or terminate a permit (IDAPA 58.01.25.107.04.). The final permit, response to comments, revised fact sheet, and associated permit documents will be posted on DEQ's web page. If DEQ does not resolve or redraft the permit within 90 days of receiving formal objection from EPA, exclusive authority to issue the permit will transfer to EPA.

Administrative Record—The final permit, response to comments, final fact sheet, and associated permit documents (e.g., application and maps) will be compiled in the administrative record. The public will have access to copies of the administrative record through DEQ's web interface.

Accommodations for Persons with Disabilities—DEQ will comply with the Americans with Disability Act (42 USC 12101–12213). A person with a disability can request and receive special accommodation to participate in the permit process.

6.4.2 Supplemental Communication Tools

DEQ has several tools to supplement required permit communications. Some of these supplemental tools will always be used, while others are optional.

Preapplication Process—Any person who intends to apply for a permit or who proposes to discharge a pollutant into the waters of the United States in Idaho should contact DEQ to schedule a meeting before submitting an application. This preapplication process (IDAPA 58.01.25.104) takes place before a permit application is submitted, involves the

voluntary participation of the permit applicant, and serves three purposes: (1) determine whether the activities or facility will require an IPDES permit and whether other suitable permitting options are available (e.g., reuse, discharge to ground water, or eliminate the discharge); (2) identify the IPDES permit application requirements; and (3) identify the IPDES permit application submittal schedule. The number of preapplication meetings can range from a single event to a series depending on the situation and may include discussion of plans for, or results of, baseline monitoring efforts.

Public Meetings—IPDES rules provide DEQ with discretion to hold public meetings on draft permits during the public comment period. Public meetings can provide a more convenient means for the public to comment on a permit. The meetings also provide an opportunity for the public to hear from other members and organizations. According to IPDES rules (IDAPA 58.01.25.109.02.b), DEQ will hold a public meeting whenever, based on requests, significant public interest exists in a draft permit. DEQ may also hold a public meeting if it needs to clarify one or more issues involved in the permit decision or for any other reason at DEQ’s discretion. Comments provided at a public meeting will be entered into the administrative record for the permit.

Supplemental Notice and Information—The IPDES rules include both prescribed and optional methods for notifying the public of draft IPDES permit availability (IDAPA 58.01.25.109.01.d.iii). DEQ will strive to identify and employ the most effective ways to notify stakeholders of permit actions and other matters. Notification will typically consist of some combination of posting on DEQ’s website, individual notification via mailings or e-mail, advertisements in local or regional publications, and press releases.

For larger projects, DEQ will compile lists of interested individuals and parties. DEQ’s experience suggests that maintaining lists of e-mail addresses for stakeholders and communicating via e-mail is an effective and efficient means of keeping the public informed. DEQ will also use the Internet to make information available to the public.

Extended Public Comment Periods—While IPDES rules require a minimum 30-day public comment period on draft permits (IDAPA 58.01.25.109), DEQ may extend a comment period if a request is received in writing by the department before the last day of the comment period (IDAPA 58.01.25.109.02.g). DEQ will extend comment deadlines or provide supplemental public comment opportunities consistent with IDAPA 58.01.25.109 when the commenter requesting additional time demonstrates the need or when significant public sentiment exists that the initial time allotted was insufficient for reasons unknown to DEQ when it initially established the schedule. At the same time, DEQ will weigh the benefits of longer public comment periods against impacts of project and permit schedules.

6.4.3 Other Permit Actions—Modify, Revoke and Reissue, or Terminate

In addition to issuing IPDES permits, DEQ may take other actions to modify, revoke and reissue, or terminate permits, which may include a public participation process.

Modify or Revoke and Reissue—DEQ may modify or revoke and reissue an active permit for specific reasons identified in IDAPA 58.01.25.201.02. DEQ will follow the same public involvement procedures used for new permits when it modifies or revokes and reissues an

existing permit, except for minor modifications (IDAPA 58.01.25.201.03) that do not require developing a draft permit, fact sheet, or public notification and comment. The minor modification provision is restricted to a very narrow range of truly minor changes.

When DEQ modifies a permit, interested parties will have the opportunity to review the draft permit modifications and request a public meeting. In a permit modification, only those conditions to be modified are reopened. All other aspects of the existing permit remain in effect for the duration of the unmodified permit (IDAPA 58.01.25.201.01.b.ii). However, when a permit is revoked and reissued, the entire permit is reopened just as if the permit had expired and was being reissued. During any revocation and reissuance proceeding, the permittee must comply with all conditions of the existing permit until a new final permit is reissued (IDAPA 58.01.25.201.01.b.iii).

Terminate—Permits may be terminated either at the request of any interested person (including the permittee) or upon the department’s own initiative. All requests for termination must be in writing and contain facts or reasons supporting the request. However, permits may only be terminated for the reasons specified in IDAPA 58.01.25.203.03 or 04. If DEQ tentatively decides to terminate a permit, an NOI is issued and made available for public comment and notice is given for an opportunity for public meetings (IDAPA 58.01.25.109).

6.4.4 Appeals

The public has access to a permit appeals process (IDAPA 58.01.25.204). Appeal of a final IPDES permit decision begins by filing a petition for review with DEQ’s hearing coordinator within 28 days after DEQ serves notice of the final permit decision. DEQ will serve notice by mailing the permittee and other parties specified in IDAPA 58.01.25.07.04.a, or another reasonably determined method for notification. The notice initiates an administrative appeal that is heard by a hearing officer appointed by the director. Only a person who is aggrieved by the final permit decision (i.e., the permit holder or applicant and any person or entity who filed comments or who participated in the public meeting on the draft permit) may file a petition for review. Ultimately, any person aggrieved by a final department action or determination resulting from an administrative appeal has a right to judicial review by filing a petition for review in state district court (IDAPA 58.01.25.204.26).

6.4.5 Additional Ways to Stay Informed

Permit Issuance Plan—DEQ will prepare a PIP that identifies the permits the department proposes to issue during the upcoming year. The PIP will be updated annually and posted on DEQ’s web page, with notification sent via the electronic mailing list that the PIP is available for review. This process will allow the public advance notice of a permit that is proposed to be issued or reissued and the opportunity to contact DEQ to discuss the project or schedule a meeting.

IPDES Web Interface—DEQ is developing an IPDES web interface that will provide the general public with electronic access to most publicly available information pertaining to permits. In this web interface, users will be able to search for, view, and download information and documents pertaining to applications, permits, facilities, compliance, inspection, and

enforcement. This tool will allow the public to easily locate specific information of interest and reduces the need for public records requests.

6.5 Permit Procedures for General Permits

Idaho's IPDES rule provides DEQ with the general permitting authority to the same extent granted EPA under CWA. DEQ intends to make optimal use of general permits for situations where multiple discharges meet the criteria specified in IDAPA 58.01.25.130.01 and are more appropriately controlled under a general permit. When DEQ determines a need for a new general permit or reissues an existing general permit, DEQ will follow similar issuance procedures as for an individual permit. For a new general permit, there may be no specific applicant at the time of the general permit development.

DEQ will notify permittees authorized to discharge under an existing general permit at least 210 days before the general permit's expiration date that the permit will expire and provide instructions to submit an NOI to continue coverage under the general permit. A permittee authorized to discharge under a general permit will be required to meet similar requirements as a permittee issued an individual permit (e.g., self-monitoring, reporting, and allowing DEQ inspections).

6.5.1 General Permit Development

DEQ will follow procedures similar to individual permit development (section 6.3.2) to develop a new general permit or reissue an existing general permit.

DEQ will prepare a preliminary draft general permit that includes technology-based and/or water quality-based discharge limits, and/or BMPs.

A fact sheet will accompany every general permit to explain the legal authority, principal facts, permit limit development, or application of BMPs. DEQ will rely on a fact sheet template similar to the individual permit's fact sheet template.

A general permit will be issued, modified, revoked and reissued, or terminated according to the procedures and conditions as specified in IDAPA 58.01.25.130.05.

6.5.2 General Permit Reviews

Draft Permit—The draft general permit will be posted for public notification as indicated in the public participation procedures (section 6.3). The draft general permit will be transmitted simultaneously to EPA for a 90-day review period as required in 40 CFR 123.44(a)(2).

As identified in the MOA (DEQ and EPA 2016), EPA will review draft permits rather than proposed permits. EPA, however, may choose to review a proposed permit instead of, or in addition to, reviewing the draft permit.

6.5.3 Final General Permit Decision

After the public comment period closes and comments are received on the proposed general permit from EPA (if any), DEQ will review all comments received and revise the draft general

permit as appropriate. DEQ will post its final permit decision online and notify the entities that have current coverage under the existing general permit, or entities that were notified and reviewed a new general permit. The final permit decision will become effective 28 days after the service of notice of the decision unless the following occurs:

- A later effective date is specified in the decision or
- A Petition for Review is filed with DEQ as specified in the appeals process (IDAPA 58.01.25.204).

The newly issued final general permit will have an effective term not to exceed 5 years.

6.5.4 General Permit Authorizations

This section describes DEQ's procedures and reporting requirements to authorize a discharge under an effective general permit.

The general permit will specify when and where to submit an NOI to discharge and the dates when a discharge is authorized under the permit. An applicant will submit an NOI to discharge under a general permit and the appropriate fee to DEQ. The NOI, at a minimum, will include the legal name and address of the owner or operator, site contact information, facility name and address, billing information, type of facility or discharge, name of the receiving water, other information as required by the general permit, and, as appropriate, any requests for waivers or variances. The NOI must be signed as required by IDAPA 58.01.25.090. DEQ's web interface will allow electronic submittal of signed NOIs for general permits and accept fee payments (IDAPA 58.01.25.110).

Upon receipt of an NOI and appropriate fee, DEQ will initiate a timely review of the NOI, as well as coordinate the review of any necessary engineering plans and specifications. If necessary, DEQ will contact the applicant for clarification or additional information.

Unless otherwise noted in the general permit, DEQ's intent is to issue an authorization to discharge under a general permit within 30 days of receipt of a complete NOI when no waiver or variance have been requested. Depending on the conditions of the general permit, an applicant may submit a waiver or variance request rather than an NOI (e.g., low erosivity waiver, no exposure certificate). DEQ would then evaluate the validity and applicability of the waiver or variance and either approve or deny the waiver or variance.

DEQ's intent is to issue an authorization to discharge under a general permit within 60 days from when an applicant requests a waiver or variance for their coverage when a 30-day public comment period is required. DEQ will continue to batch the public notice for NOIs for coverage under a general permit. DEQ may notice an NOI for coverage under a general permit separately if the facility or activity is classified as a major discharger.

Based on the information submitted in the NOI, DEQ will determine if the applicant qualifies for coverage under the general permit. If the applicant qualifies for coverage under the general permit and authorization to discharge is not automatic based on the requirements of the general permit, DEQ will sign and transmit an authorization to discharge to the applicant, including any site-specific conditions. An authorization to discharge under a general permit will be effective until the expiration date of the general permit.

If DEQ determines that the applicant does not qualify for coverage under the general permit, DEQ will notify the applicant that coverage is denied and require the applicant to submit an application for an individual permit if the applicant wants to continue to seek an authorization to discharge pollutants to waters of the United States in Idaho.

DEQ will notify an applicant who applies for an individual permit when the applicant qualifies for coverage under a general permit. The applicant may withdraw the individual application and submit an NOI for coverage under the general permit.

An authorized discharger under an existing general permit must reapply to continue coverage under the general permit before the general permit's expiration date, in compliance with the time frame established in the general permit.

The general permit will specify that authorization to discharge will be effective once one the following cases are met:

- Immediately after an applicant's submittal of an NOI to discharge under the general permit and the required fees,
- After a period specified in the general permit,
- On a date specified in the general permit, or
- Upon receipt of notification of coverage by DEQ.

Except for discharges from POTWs, combined sewer overflows, MS4, primary industrial facilities, and storm water discharges associated with industrial activity, DEQ may authorize a discharger to discharge under a general permit without submitting an NOI when submittal of an NOI would be inappropriate.

If DEQ is unable to reissue a general permit before its expiration date, coverage for a permittee under the existing general permit will continue if the permittee submitted a timely and complete reissuance NOI request before the general permit expiration date and according to the general permit. The administratively extended general permit will remain fully effective and enforceable until the general permit is reissued and DEQ reauthorizes coverage under the reissued general permit. Administratively extending a general permit will not extend the original expiration date of the general permit. DEQ will transmit authorizations to the permittees once the general permit is reissued. DEQ will not authorize a new discharge under an administratively extended general permit until the general permit is reissued. DEQ will instruct an applicant seeking coverage under an administratively extended general permit to apply for an individual permit.

DEQ may revoke a permittee's coverage under a general permit if the permittee violates the terms or conditions of a general permit, or conditions change and coverage under a general permit is not appropriate and requires the permittee to apply for an individual permit. A violation of any general permit condition, as with all permits, will be subject to enforcement action with potential commensurate penalties.

A facility operating under a general permit designated as a major facility will be tracked, inspected, and reported on in the same manner as a major individual permit holder.

On a regular basis, DEQ will update the list of permittees authorized to discharge under an IPDES-issued general permit and post the information on DEQ's web page.

7 Pretreatment Program (40 CFR 403)

DEQ's pretreatment program will control pollutants from industrial and commercial facilities that discharge directly into POTWs. DEQ will assume authority over the pretreatment program according to the transfer schedule in the MOA (DEQ and EPA 2016, Appendix A).

7.1 General

DEQ's pretreatment program will be essentially the same as the federal program established in 40 CFR 403 and adopted by reference in IDAPA 58.01.25.003. The objectives for the pretreatment program are as follows:

- Prevent the introduction of pollutants into a POTW that will interfere with the operation of the POTW, including interference with the use or disposal of sewage sludge.
- Prevent the introduction of pollutants into a POTW that will pass through the treatment works or otherwise be incompatible with the works.
- Improve the opportunities to recycle and reclaim municipal and nonmunicipal wastewater and sewage sludge.

The pretreatment program enforcement activities are provided in section 12.7.

7.2 Definitions

The full regulatory definitions for the pretreatment program are found in 40 CFR 403.3. Terms commonly used in this section are briefly described below.

Approval authority means the Idaho Department of Environmental Quality.

Control authority refers to the following:

- POTW if the POTW's pretreatment program submission has been approved according to the requirements of 40 CFR 403
- Approval authority if the submission has not been approved

Industrial User (IU) or User refers to a source of an indirect discharge.

Interference means a discharge alone or in conjunction with a discharge or discharges from other sources that inhibits or disrupts the POTW; its treatment process or operations; or its sludge processes, uses, or disposal and causes a violation of any requirement of the POTW's IPDES permit or prevents the use of sludge or its disposal.

Nonsignificant Categorical Industrial User refers to an IU subject to federal categorical standards that never discharges more than 100 gallons per day (gpd) of total categorical wastewater, has consistently complied with all pretreatment standards and requirements, never discharges untreated concentrated wastewater, and submits an annual compliance certification.

Pass through means a discharge that exits a POTW and enters waters of the United States in quantities or concentrations that alone, or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirements of the POTW's IPDES permit.

Significant Industrial User (SIU) is defined in 40 CFR 403.3(v) and refers to an IU subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; and any other IU that discharges on average 25,000 gpd or more of process wastewater to a POTW; contributes a process waste stream that makes up 5% or more of the average dry weather hydraulic or organic capacity of the POTW; or is designated as such by the control authority on the basis that the IU has a reasonable potential to adversely affect the POTW's operation or to violate any pretreatment standard or requirement.

7.3 POTW Program Application Submission

DEQ will first rely on a POTW to regulate industrial dischargers to its sewer system. A POTW with a total design flow greater than 5 MGD receiving discharges from IUs that could interfere with or pass through the POTW's operations, or are otherwise subject to pretreatment standards, may be required to develop a pretreatment program, unless DEQ chooses to assume local responsibilities. DEQ may also require a POTW with a design flow less than 5 MGD to develop a pretreatment program if the POTW receives significant industrial contributions that warrant a pretreatment program to prevent interference or pass-through. Once the pretreatment program is approved to implement, according to the transfer schedule in the MOA (DEQ and EPA 2016, Appendix A), DEQ will be the approval authority responsible for the following:

- Review and approve a POTW's pretreatment program application.
- Designate the POTW as the control authority authorized to control discharges to its POTW.
- Ensure that the POTW complies with pretreatment conditions in its IPDES permit and with the appropriate provisions of 40 CFR 403.

In addition, DEQ will be responsible to ensure that an SIU discharging to a POTW without an approved pretreatment program complies with the National Pretreatment Standards (40 CFR 403.6).

Under 40 CFR 403.10(e), DEQ has discretion not to require a POTW with industrial facility discharges to develop and implement a pretreatment program. In this situation, DEQ will assume the role of the control authority responsible for imposing pretreatment requirements on any IU or SIU, as defined in 40 CFR 403, discharging to the POTW. These requirements are contained in 40 CFR 403.8(f); however, nothing will preclude a POTW from independently developing a pretreatment program. If a POTW decides to develop a pretreatment program, although not formally required by DEQ, the POTW will be subject to the same program approval procedures as POTWs required to develop a program and must adhere to all federal and state requirements relating to the pretreatment program.

7.3.1 Industrial Survey

The control authority will be responsible for identifying all IUs that might be subject to pretreatment requirements. The POTW as the control authority will notify DEQ of a new IU discharging to its POTW. The control authority will determine if pretreatment standards and requirements apply to a particular IU. The control authority will maintain a current list of IUs subject to pretreatment requirements and update the list as needed. The POTW as the control

authority will transmit a list of IUs to DEQ as part of its annual reporting requirements incorporated in its IPDES permit.

Before assuming authority from EPA to implement the pretreatment program, DEQ will develop a plan to complete a state-wide industrial survey of all IUs in nondelegated POTWs that might be subject to pretreatment requirements to identify all facilities meeting the definition of a categorical or significant noncategorical IU. Once the initial survey is complete, DEQ will determine if a pretreatment program will be required of the POTW, or if DEQ will accept responsibility for regulatory oversight of the identified SIUs within a particular municipality. DEQ will periodically review and update the inventory of SIUs and determine if pretreatment requirements are necessary.

7.3.2 POTW Pretreatment Program Approval Process

DEQ will review future pretreatment program applications except for an application from a POTW for which EPA retains NPDES jurisdiction. Currently, 12 POTWs have EPA approved pretreatment programs in place. The status of these programs is discussed in section 7.13. After state program approval, DEQ will work with EPA to develop appropriate *pretreatment program development* permit language and an approval checklist if a new local program is identified in the future as needing a pretreatment program.

DEQ will require the permittee to submit a pretreatment program for department approval within the shortest reasonable time but not to exceed 1 year after written notification from DEQ to develop a program. A compliance schedule will contain progress reporting due dates until a program is developed and submitted for approval. A compliance schedule will be incorporated into the IPDES permit according to 40 CFR 403.8(e), incorporated by reference in IDAPA 58.01.25.003. DEQ will work with the permittee to develop the compliance schedule. DEQ will also provide technical assistance to any new POTW identified to develop a pretreatment program.

DEQ will review a POTW's program application to ensure it meets the requirements for pretreatment program approval as set forth in 40 CFR 403, incorporated by reference in the IPDES rules. To review and approve a local pretreatment program application, DEQ will consult EPA's *Procedures Manual for Reviewing POTW Pretreatment Program Submission* (EPA 1983c).

The POTW requesting program approval will need to complete and submit a pretreatment program application to DEQ. Within 60 days of receipt of the application, DEQ will make a preliminary determination of whether the application meets the requirements of 40 CFR 403.8 and 403.9. If the preliminary determination is that the submission is inadequate and does not comply with the requirements, DEQ will transmit a written notice to the POTW according to 40 CFR 403.9(f) that identifies the deficiencies in the application and includes advice on how the POTW may comply with the applicable requirements.

If the preliminary determination is that the submission meets the requirements, DEQ will notify the POTW and proceed with the public review and evaluation procedures established in 40 CFR 403.11. DEQ will follow the public participation requirements in 40 CFR 403.11 and will initiate a public review of the draft program application within 20 days of the preliminary

determination and provide for a minimum 30-day public review period. DEQ will hold a public meeting if significant interest exists, or if a significant issue or information is brought to the attention of DEQ during the comment period that was not considered previously in the approval process.

Based on the program application evaluation and comments received, DEQ will approve, conditionally approve the program with modifications, or deny the program application. If the decision is to deny the program application, DEQ will transmit a denial notification to the local government that contains suggested modifications and a time extension to correct the application, and resubmit. If DEQ intends to approve the program application, the program will be submitted to the EPA Region 10 administrator. According to 40 CFR 403.11(d), no POTW pretreatment program or authorization to grant removal allowances will be approved by the director if, following the public review period and any meeting, EPA objects in writing to the approval. A copy of EPA's objections will be provided to the applicant and each person who requested individual notice. EPA will provide for a period to accept written comments and may hold a hearing on the objections. Unless retracted, EPA's objections will constitute a final ruling to deny approval of a POTW pretreatment program or authorization to grant removal allowances 90 days after the date the objections were issued.

Denial or approval of an application will be published in the same newspaper, website, or media outlet that published the original public review notice. Program modifications, determined to be substantial under 40 CFR 403.18(b), follow the same review process. DEQ approval of a pretreatment program application or modification of an existing program requires a minor modification of the IPDES permit to incorporate the approved or modified program, as outlined in 40 CFR 403.18(e), and permit modifications shall comply with IDAPA 58.01.25.201.03.g.

Issuance of a new IPDES permit with pretreatment requirements supplants a previously issued state permit for a POTW. As the control authority, the POTW is responsible to ensure compliance with pretreatment requirements. However, DEQ will retain oversight authority and may initiate enforcement actions for noncompliance at any time. DEQ may provide technical assistance to a control authority in its enforcement of pretreatment requirements, as resources allow.

7.4 Control Authority

POTW as the Control Authority—The POTW as the control authority must have the legal authority, appropriate procedures, funding, adequate staff, and local limits to implement and enforce the pretreatment requirements, as outlined in 40 CFR 403.8(f). The POTW's legal authority typically will be detailed in its Sewer Use Ordinance.

DEQ as the Control Authority—DEQ may establish itself as the temporary control authority over IUs that introduce pollutants into a POTW that does not have an approved pretreatment program according to 40 CFR 403.10(e) and (f). DEQ will provide this service temporarily while the POTW develops its own pretreatment program and submits it to DEQ for review and approval. As the temporary control authority, DEQ will have legal authority and procedures to require compliance by IUs, carry out inspections, conduct surveillance and monitoring, obtain remedies for noncompliance by an IU with any pretreatment standards and requirements, and

comply with confidentiality requirements. DEQ will control through its IPDES permitting program all IUs according to 40 CFR 403.8. DEQ will be responsible for enforcing the National Pretreatment Standards promulgated by EPA in accordance with CWA §307(b) and (c) that apply to IUs, including the prohibitive discharge limits established pursuant to 40 CFR 403.5.

The CRIPS system, combined with the IPDES program business practices, will perform the following:

- Distinguish IU IPDES permits discharging to POTWs.
- Associate an industrial or commercial indirect discharger with a *parent* permit, such as is required when associating IU permit information with a receiving POTW.
- Routinely map and batch data to ICIS-NPDES.

As the control authority, DEQ will consult EPA's *Control Authority Pretreatment Audit Checklist and Instructions* (EPA 1992) to track an IU's compliance status with the pretreatment program. For SIUs discharging to POTWs without approved pretreatment programs, DEQ will act as the control authority and track/review SIU semiannual reports submitted pursuant to 40 CFR 403.12(e) and (h).

7.5 Local Limits

According to 40 CFR 403.8(f)(4), the control authority will establish local limits to implement the prohibitions listed in 40 CFR 403.5(c)(1), or demonstrate that local limits are not necessary.

As the control authority, DEQ will determine if specific local limits beyond the National Pretreatment Standards will be necessary to prevent interference and pass-through of pollutants to the POTW. If local limits are necessary, DEQ will work with the affected POTW to establish local limits to be incorporated into its Sewer Use Ordinance. DEQ will include the local limits in the affected POTW IPDES permit once the limits are established and adopted by the affected POTW into its Sewer Use Ordinance. DEQ will track the IU's local limits and associated DMRs as required by RIDE in ICIS-NPDES. The mechanism for tracking these data will be either manually in ICIS-NPDES or via the batch mechanism from CRIPS discussed in section 13, depending on the number of IUs discharging to POTWs in the state. In addition to applying the National Pretreatment Standards and specific local limits (whichever apply and are more restrictive), DEQ will also include the general prohibitions (40 CFR 403.5(a)(1)) and the specific prohibitions (40 CFR 403.5(b)) in the POTW's permit. As the approval authority, DEQ retains the authority to enforce local limits established by the control authority (40 CFR 403 incorporated by reference in IDAPA 58.01.25.003).

7.6 Variances

In 40 CFR 403.13(h) the information is described that must be included to request a variance from categorical pretreatment standards for fundamentally different factors. Refer to 40 CFR 403.13(h) for the specific details. The required information is summarized below:

- Name and address of requesting party
- Interest of the requester
- POTW receiving waste from the IU

- Categorical standards applicable to the IU
- List of pollutants or pollutant parameters for which an alternate discharge limit is sought
- Alternative limits proposed by the requestor for each pollutant
- Detail of the IU's water pollution control facilities
- Schematic flow chart of the IU's water system
- Statement of fact establishing why the request should be approved
- Other facts necessary to evaluate the request

An incomplete submission will be returned and the request denied if the submission is not corrected within 30 days. A complete request will be subject to a 30-day public comment review period. If it is determined that fundamentally different factors do not exist, then DEQ will deny the request. If DEQ believes that fundamentally different factors do exist, DEQ will recommend to the EPA Region 10 administrator that the request be approved. The Region 10 administrator will either deny or approve the variance request and notify DEQ, the POTW, and the IU of the determination.

7.7 Removal Credits

A POTW acting as control authority may seek authorization from DEQ and EPA to grant removal credits by submitting a list of industrial pollutants for which discharge limits will be revised to DEQ. Applications, decisions, and revisions will be made according to 40 CFR 403.7. The POTW will provide data indicating consistent pollutant removal, the proposed revised discharge limits, the amount of pollutants in the residual, and the method of residuals disposal to DEQ to determine compliance with applicable standards.

If DEQ determines that the POTW's request for a removal credit is approvable, then the findings, together with the application and supporting information, will be submitted to EPA Region 10. No request for a removal credit will be approved by DEQ if EPA objects in writing to the submission's approval during the 30-day (or extended) evaluation period provided for in 40 CFR 403.11(b)(1)(ii) and any meeting held pursuant to 40 CFR 403.11(b)(2). Revised discharge limits, if approved by DEQ and EPA, will be included in the IPDES permit upon the earliest reissuance and become enforceable permit conditions to verify consistent pollutant removal. DEQ may provide assistance to the POTW seeking removal credits. DEQ will consult EPA's *Guidance Manual for Preparation and Review of Removal Credit Applications* (EPA 1985).

For those POTWs authorized to grant removal credits, DEQ will determine compliance or noncompliance with permit conditions with respect to those pollutants through routine records review and sampling inspection procedures for the affected facilities. DEQ will analyze conventional pollutants for the POTW's permit for those pollutants receiving removal credits. Inspections and sampling may be performed more frequently than the scheduled inspections to determine compliance status. Following authorization to give removal credits, a POTW shall continue to monitor and report on the POTW's removal capabilities. Reporting intervals may be specified by the approval authority but in no case will reporting be less than once per year. A minimum of one representative sample per month during the reporting period is required, and all sampling data must be included in the POTW's compliance report.

7.8 Categorical Determinations

Adhering to 40 CFR 403.6(a), DEQ will review requests from IUs for industrial category or subcategory determinations received within 60-calendar days after the effective date of a National Pretreatment Standard published by EPA under which an IU believes itself to be included. DEQ will prepare a written determination and justification whether the IU does or does not fall within that particular subcategory. DEQ will forward its findings along with a copy of the request and necessary supporting information to EPA Region 10. If EPA does not modify or object to DEQ's proposed findings within 60-calendar days after receiving the determination and justification, then DEQ may take action to approve or deny the request. A SIU may also submit a categorical determination request to DEQ if process modifications occur. These modifications could include removing or modifying an existing line, as well as the adding a completely new process or operation. The existing SIU must request certification before discharging from the added or changed process or operation. New sources must request certification before discharging to the POTW.

7.9 Time to Comply

Existing IUs subject to Pretreatment Standards for Existing Users will be required to comply with pretreatment standards no later than the compliance date established for the applicable categorical pretreatment standard. Dischargers subject to Pretreatment Standards for New Sources will be required to achieve compliance in the shortest amount of time not to exceed 90 days from commencement of the discharge (40 CFR 403.6(b)).

7.10 Public Participation

DEQ will make the program applications, request for removal credits, fundamentally different factors variance requests, program modifications, local limits development and modifications, and a list of IUs in significant noncompliance (SNC) available for public review and comment according to 40 CFR 403.8(f)(2)(viii).

7.11 Reporting

A POTW IPDES permit will include requirements for SIUs to submit reports to the control authority (either a POTW with an approved pretreatment program or DEQ in cases where the SIU is discharging to a POTW without an approved pretreatment program) according to 40 CFR 403.12. The types of reports include the following:

- Baseline monitoring reports
- Compliance schedule reports
- Final compliance reports
- Periodic reports on compliance (sampling and monitoring results)
- Notice of potential problems, including slug loading

In addition, a POTW with an approved pretreatment program must submit annual reports to DEQ documenting status and activities performed during the previous calendar year, as required by 40 CFR 403.12(i). The requirement to submit an annual report will be included in the POTW's

IPDES permit. Refer to 40 CFR 403.12(i) for a complete detailed description of elements that must be included in the annual report. The list below is not inclusive but provides a summary of the elements to include in the annual report:

- List of IUs that discharge to the POTW
- Summary of the compliance status of the IUs during the reporting period
- Summary of compliance and enforcement activities (including inspections) conducted by the POTW during the reporting period
- Summary of changes to the POTW's pretreatment program that have not been previously reported to the approval authority

DEQ will develop procedures and time frames for reviewing monitoring reports, including reports submitted by POTWs and semiannual reports submitted by categorical and significant noncategorical IUs in areas without local programs. DEQ will establish and maintain a complete inventory of POTWs with a pretreatment program (Appendix E).

7.12 Reporting to EPA

DEQ shall provide EPA with the following information:

1. An annual report on program implementation received from a POTW with an approved pretreatment program (40 CFR 403.12(i))
2. A pretreatment facility inspection and sampling plan including POTW audit/pretreatment compliance inspection and IU inspections
3. A noncompliance report for all SIUs to include the following:
 - Facility name
 - Location and permit number
 - Inspection and date history for each noncompliance
 - Description of DEQ actions and dates to obtain compliance
 - Current compliance status including date of resolution or date returned to compliance
 - Mitigating circumstances

DEQ will use EPA-created checklists to implement the pretreatment program until DEQ creates its own checklists. EPA guidance documents DEQ will adopt to implement the pretreatment program include the following:

- *Local Limits Development Guidance* (EPA 2004a)
- *FY 1990 Guidance for Reporting and Evaluating POTW Noncompliance with Pretreatment Implementation Requirements* (EPA 1989c)
- *Industrial User Inspection and Sampling Manual for POTWs* (EPA 1994d)
- *Industrial User Permitting Guidance Manual* (EPA 1989d)
- *Pretreatment Compliance Monitoring and Enforcement Guidance* (EPA 1986a)

DEQ will track receipt of required reports, as well as noncompliance, inspection results, and compliance dates in the CRIPS database.

7.13 Existing Pretreatment Programs in Idaho

A review of all currently effective and administratively continued permits in Idaho (issued by EPA) found 62 permits that had sections referring to the control of undesirable pollutants and IUs. Of those 62, 16 permits had a specific section outlining the various requirements of a pretreatment program. Another five permits had a section on industrial waste management, and one had a section on requirements for oversight of IUs. Table 11 provides a list of 21 permits that have pretreatment components but may not have a complete and approved pretreatment program.

Table 11. Permits in effect with sections regarding pretreatment requirements.

NPDES ID	Permit Name	Permit Status Code ^a	Permit Contains Pretreatment Component
ID0021504	CALDWELL, CITY OF	ADC	Section I.D Pretreatment
ID0022063	NAMPA, CITY OF	ADC	Section I.D Pretreatment
ID0020192	MERIDIAN, CITY OF	ADC	Section I.F Pretreatment
ID0020095	BURLEY, CITY OF	ADC	Section II Pretreatment Requirements
ID0023817	REXBURG, CITY OF	ADC	Section II Pretreatment Requirements
ID0020842	SANDPOINT, CITY OF	ADC	Section II Pretreatment Requirements
ID0020044	BLACKFOOT, CITY OF	EFF	Section II.A Pretreatment Requirements
ID0020443	BOISE, CITY OF	EFF	Section II.A Pretreatment Requirements
ID0021261	IDAHO FALLS, CITY OF	EFF	Section II.A Pretreatment Requirements
ID0021784	POCATELLO, CITY OF	EFF	Section II.A Pretreatment Requirements
ID0023981	BOISE, CITY OF	EFF	Section II.A Pretreatment Requirements
ID0021270	TWIN FALLS, CITY OF	ADC	Section II.A Pretreatment Requirements
ID0000663	BURLEY, CITY OF	ADC	Section II.C Pretreatment Requirements
ID0022055	LEWISTON, CITY OF	EFF	Section II.C Pretreatment Requirements
ID0022853	COEUR D ALENE, CITY OF	EFF	Section II.E Pretreatment Requirements
ID0025852	POST FALLS, CITY OF	EFF	Section II.E Pretreatment Requirements
ID0028355	KUNA, CITY OF	ADC	Section II.C Requirements for Oversight of Industrial Users
ID0023825	GRACE, CITY OF	EFF	Section II.C Industrial Waste Management
ID0020672	PAYETTE, CITY OF	EFF	Section II.D Industrial Waste Management
ID0023591	STAR WATER AND SEWER DISTRICT	EFF	Section II.D Industrial Waste Management
ID0020176	ABERDEEN, CITY OF	EFF	Section II.D Industrial Waste Management

a. ADC = administratively continued; EFF = effective

8 Sewage Sludge (Biosolids) Program (40 CFR 503)

DEQ is seeking authorization for the biosolids component in year 4 of the phased transfer (Table 1). In the interim between receiving approval for POTWs (year 1) and biosolids (year 4), DEQ will include language in the IPDES permit fact sheet informing the permittee of the following:

- Compliance with the federal biosolids regulations is required and

- Submit Form 2S directly to EPA for a biosolids handling and management permit.

Upon receiving approval for the biosolids component, DEQ will follow the procedures outlined in this section to manage biosolids in Idaho.

8.1 General

DEQ's Sewage Sludge (Biosolids) Program will address the disposal of sewage sludge or the beneficial reuse of biosolids resulting from the treatment of sewage sludge as specified in CWA §405 (40 CFR 503, IDAPA 58.01.25, and IDAPA 58.01.16.650). The program will regulate sewage sludge processing, disposal, or use through the following:

- Incorporating sewage sludge conditions in permits for new or currently permitted POTWs and treatment works treating domestic sewage
- Issuing sludge only permits to nondischarging treatment works treating domestic sewage consistent with CWA §405(f)(2)

Section 12.7 provides information on Sewage Sludge (Biosolids) Program enforcement activities.

8.2 Definitions

The term sewage sludge encompasses any solid, semisolid, or liquid residue removed during the treatment of domestic sewage in a treatment work. Sewage sludge includes, but is not limited to, domestic septage, scum or solids removed during primary, secondary, or advanced wastewater treatment, and a material derived from sewage sludge. Sewage sludge does not include grit or screenings, or ash generated during the incineration of sewage sludge. General terms used when addressing sewage sludge processing, handling, sampling, monitoring, reporting, transporting, and disposal or beneficial use are defined in 40 CFR 503.9, incorporated by reference in Idaho's Rules Regulating the Idaho Pollutant Discharge Elimination System Program (IDAPA 58.01.25.003.02.z).

8.3 Disposal of Sewage Sludge into Municipal Solid Waste Landfills

The solid waste program within DEQ's Waste Management and Remediation division has been and will continue to review and approve solid waste facility plans for solid waste landfills that accept sludge from a wastewater treatment plant according to Idaho Code §39-7401 et seq. and the Solid Waste Management Rules (IDAPA 58.01.06).

8.4 Permitting for Sewage Sludge Facilities

Application—DEQ's sewage sludge and biosolids permitting program applies to any person who generates, prepares sewage sludge, applies sewage sludge to the land, or fires sewage sludge in an incinerator and to the owner or operator of a surface disposal site. The operator will submit the online Sewage Sludge electronic application, based on EPA Form 2S, to DEQ. The permit applies to the following:

- Person(s) referenced above

- Sewage sludge applied to the land or placed on a surface site
- Land where sewage sludge is applied or to a surface disposal site
- Sewage sludge fired in a sewage sludge incinerator and to the exit gas from a sewage sludge incinerator stack

DEQ will perform an application completeness review and make a determination on application completeness in a timely manner as stated in section 6.2.1. The submitted information must meet the requirements specified in IDAPA 58.01.25.105.17, including the sludge management (disposal) plan required in IDAPA 58.01.16.650. DEQ will contact applicants that submit applications found to be deficient of required information. The missing itemized information will be requested from the applicant. The application review will be suspended pending submittal of the required information. If an applicant fails or refuses to correct application deficiencies, the application will be denied and no permit will be drafted.

All data required to be submitted in support of permit renewal will be required to be obtained from qualifying samples that are collected and analyzed according to analytical methods approved under SW-846 (EPA 1993e), unless an alternative has been specified in an existing sewage sludge permit. New applications must identify the sewage sludge processes that the facility will employ for pathogen and vector attraction reduction as specified in 40 CFR 503.32 and 503.33.

Modification—DEQ may modify an existing permit to incorporate a land application plan for beneficial reuse of sewage sludge, to revise an existing land application plan, or to add a land application plan.

8.5 Land Application of Septage (40 CFR 503.17(b)) and Sludge

8.5.1 Management Plans

An approved biosolids management plan is required before land application of biosolids except for biosolids application that meets Class A Exceptional Quality requirements. A biosolids management plan is equivalent to a sludge disposal plan referenced in IDAPA 58.01.16.650. These plans will be evaluated by DEQ for their protection of water quality and public health. At a minimum, a management plan must provide the following:

- Only stabilized sludge will be used.
- Criteria for selecting a site for disposal include the following:
 - Soil description
 - Geological features
 - Ground water characteristics
 - Surrounding land use
 - Topography
 - Climate
- Description of the land application process
- Statement detailing procedures to prevent application that could result in a reduction of soil productivity or in the percolation of excess nutrients

- Identification of potential adverse health effects in regard to the sludge and its proposed use
- Delineation of methods or procedures to be used to alleviate or eliminate adverse health effects

DEQ has published a septage land application guidance for the development of a management plan. This document may be found at <http://www.deq.idaho.gov/water-quality/wastewater/septic-systems/septic-tank-pumping-and-septage-disposal/> and guidance specific URL at <http://www.deq.idaho.gov/media/60178675/guidance-for-land-application-domestic-septage.pdf>

8.5.2 Record Retention

As described in 40 CFR 503.17(b) and incorporated by reference in IDAPA 58.01.25.003, persons who apply domestic septage to an agricultural land, forest, or reclamation site shall develop and retain for no less than 5 years, records detailing the following information:

- Location of each site on which domestic septage is applied.
- Number of acres in each site on which domestic septage is applied.
- Date domestic septage is applied to each site.
- Nitrogen requirement for the crop or vegetation grown on each site during a 365-day period.
- Rate, in gallons per acre per 365-day period, at which domestic septage is applied to each site.
- Description of how the pathogen requirements in 40 CFR 503.32(c)(1) or (c)(2) are met.
- Description of how the vector attraction reduction requirements in 40 CFR 503.33(b)(9), (b)(10), or (b)(12) are met.
- Certification statement below:

I certify, under penalty of law, that the information that will be used to determine compliance with the pathogen requirements (insert either §503.32(c)(1) or §503.32(c)(2)) and the vector attraction reduction requirement in [insert §503.33(b)(9), 503.33(b)(10), or §503.33(b)(12)] was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

8.6 Reporting to EPA

DEQ shall provide EPA with the following information:

1. An annual report summarizing any incidences of noncompliance during the calendar year. This report will include the following:
 - Facility name
 - Location and permit number
 - Type of noncompliance including brief description of event and date
 - Inspection and date history for each noncompliance
 - Description of DEQ actions and dates to obtain compliance
 - Current compliance status including date of resolution or date returned to compliance
 - Mitigating circumstances

2. Information to update the inventory of all sewage sludge generators and disposal facilities, including the following:
 - Facility name
 - Location and permit number
 - Sludge management practices used
 - Sludge production volume

EPA guidance documents DEQ will adopt to implement the Biosolids Program include the following:

- *A Plain English Guide to the EPA Part 503 Biosolids Rule* (EPA 1994e)
- *Biosolids Generation, Use, and Disposal in the United States* (EPA 1999b)
- *A Guide to the Biosolids Risk Assessments for the EPA Part 503 Rule* (EPA 1995a)
- *POTW Sludge Sampling and Analysis Guidance Document* (EPA 1989e)
- *Guide to Field Storage of Biosolids* (EPA 2000a)

DEQ will track receipt of required reports, as well as noncompliance, inspection results, and compliance dates in the CRIPS database.

8.7 Existing Septage and Sludge Facilities in Idaho

DEQ estimates that there are approximately 222 generators of sewage sludge in Idaho (Tressa Nicholas, personal communication, 2016). Of these sewage sludge generators, 118 facilities operate under NPDES permits to discharge to waters of the United States. Eighty additional facilities operate only under active DEQ reuse permits and do not discharge to waters of the United States (25 facilities with both NPDES and DEQ reuse permits). Twenty-four facilities generate sewage sludge but do not have NPDES or DEQ reuse permits (e.g., generate sewage sludge and send to landfills or other treatment and disposal options). Finally, in addition to the generators, three facilities process but do not generate sewage sludge. Table 12 presents the breakdown of sewage sludge generators and processors.

Table 12. Summary of Idaho’s municipal sewage sludge-generating facilities.

Category	Total Numbers
NPDES permits	118
Active reuse permits	105
Both	25
Other	24
Total generators	222
Processors only	3

9 Storm water Program

CWA authorizes states, delegated authority by EPA, to regulate discharges from MS4s, construction activities, industrial activities, and those designated by EPA or the state due to water quality impacts. This section describes the IPDES Storm Water Program required under CWA

§402(p), as regulated in 40 CFR 122.26 and 40 CFR 122.30 through 40 CFR 122.37 and adopted by reference in IDAPA 58.01.25.003.

Adhering to the transfer schedule, DEQ will assume authority for permitting and compliance of storm water discharges within 4 years from program approval. DEQ will evaluate the existing permits' effectiveness and applicability to Idaho conditions over the life of each permit for the different types of storm water discharges.

9.1 Permit Categories and Coverage

Three categories of storm water discharges are covered in the IPDES Program: MS4s, industrial activities, and construction activities. The EPA program currently administers 16 individual permits and 2 general permits covering storm water discharges in Idaho. Table 13 provides a summary of the storm water individual permits, general permits, and general permits that authorize storm water as one of several discharges.

DEQ will require permit coverage of storm water discharges according to the applicable federal requirements but will not expand required coverage under the Storm Water Program beyond federal regulatory requirements. DEQ will apply the regulatory criteria in IDAPA 58.01.25.130 to determine when a general permit versus an individual permit should be issued.

Table 13. Storm water permits in Idaho.

Permit Name or Number	Type of Permit	Effective Date	Expiration Date	Estimated Number of NOIs
Construction	General	4/9/2012	2/16/2017	1326
Multisector General Permit	General	8/12/2015	6/4/2020	278
Large/Medium MS4^a				
IDS027561	Individual	2/1/2013	1/30/2015	
Small MS4*				
IDS028185	Individual	10/15/2009	10/14/2014	
IDS028118	Individual	10/15/2009	10/14/2014	
IDS028134	Individual	10/15/2009	10/14/2014	
IDS028215	Individual	1/1/2009	12/31/2014	
IDS028070	Individual	05/01/2007	04/30/2012	
IDS028223	Individual	01/01/2009	12/31/2014	
IDS028177	Individual	10/15/2009	10/14/2014	
IDS028207	Individual	01/01/2009	12/31/2014	
IDS028100	Individual	10/15/2009	10/14/2014	
IDS028142	Individual	10/15/2009	10/14/2014	
IDS028126	Individual	10/15/2009	10/14/2014	
IDS028151	Individual	10/15/2009	10/14/2014	
IDS028053	Individual	12/15/2006	12/14/2011	
IDS028231	Individual	1/1/2009	12/31/2014	
IDS028193	Individual	1/1/2009	12/31/2014	

a. EPA is currently pursuing a general permit for all MS4s in Idaho pursuant to changes in the MS4 remand rule.

9.2 Construction

Storm water discharges from construction activities can significantly impact water quality. As storm water flows over a construction site, it can pick up pollutants like sediment, debris, and chemicals and transport them to nearby storm sewer systems or directly into rivers, lakes, or coastal waters.

The IPDES storm water program requires permits for discharges from construction activities that disturb one or more acres, and discharges from smaller sites that are part of a larger common plan of development or sale. Construction storm water permits include effluent limits for erosion and sediment control, pollution prevention, and site stabilization from the Construction and Development Effluent Guidelines and Standards (40 CFR 450).

9.2.1 Coverage under a General Permit

The existing CGP regulates industrial activity involving large construction activity (disturbing 5 or more acres) under 40 CFR 122.26 (b)(14)(x) and small construction activity (disturbing 1 to 5 acres) under 40 CFR 122.26 (b)(15). It is likely that EPA will be issuing the next CGP in 2017. This general permit would then likely be effective until 2022, which is the year after the IPDES Program intends to phase in storm water permitting. When authority of the Storm Water Program is transferred to DEQ, DEQ will reissue the general permit to include Idaho specific requirements and conditions upon expiration of the effective CGP.

DEQ will follow the procedures and process for drafting and issuing a general permit found in IDAPA 58.01.25.130 and detailed in section 6.

An owner or operator will need CGP coverage for the following:

- Project will disturb 1 or more acres of land
- Project is less than 1 acre of land *and* is part of a common plan of development or sale that will ultimately disturb 1 or more acres of land
- Operator is responsible either for
 - Construction plans and specifications, including modifications to them (e.g., you are the owner or developer)
 - Daily project activities necessary to ensure compliance with a storm water pollution prevention plan (SWPPP) (e.g., you are the general contractor)

General permits for construction storm water will incorporate BMPs, as authorized under CWA §402(p) or when the practices are reasonably necessary to achieve effluent limits and water quality standards. Additionally, WQBELs may be evaluated and reasonable potential analyses may be conducted if sufficient data become available and DEQ perceives a need for the additional analyses before issuing the general permit.

9.2.2 Review and Approval of NOIs

DEQ will provide an electronic NOI application available through DEQ's website (section 13.1.1). The website will allow permittees to submit their electronic NOIs and provide electronic copies of all required documents such as the SWPPP. DEQ will review submitted NOIs for

completeness and eligibility under the CGP and provide written notice via e-mail to the permittee regarding the approval or denial of coverage under the CGP.

If requested by the applicant, DEQ may review a SWPPP for completeness. DEQ will notify a submitter by telephone or e-mail if a SWPPP is determined to be incomplete or if additional information is needed. DEQ will continue collaboration of SWPPP review with the City of Boise and will consider expanding this collaboration to other local governments (township or city). Before expanding this collaboration, DEQ will develop criteria for local governments to adhere to and provide oversight for the local program.

SWPPP review will determine the accuracy of and compliance with required elements of the SWPPP such as project and activity description, site map, adequate controls to reduce pollutants, non-storm water discharge management, and project eligibility related to TMDLs, routine inspections, and certifying signatures.

9.2.3 Small Construction Activity Waivers

DEQ may allow operators of small construction sites (i.e., sites that disturb 5 acres or less) to be waived from the requirement to obtain IPDES permit coverage for their storm water discharges in three limited circumstances:

1. If the small construction site has a rainfall erosivity factor (R-factor) of less than five during the period of construction activity. This waiver depends on the time period during which a construction activity takes place, how long it lasts, and the expected rainfall amount and intensity during that time.
DEQ will accept applications for a low erosivity waiver via an online interface. DEQ will use EPA's Online Rainfall Erosivity Factor Calculator or agency equivalent to calculate the R-factor when reviewing applications for a low erosivity waiver.
2. *Approved TMDLs*—If it is determined that storm water controls on the small construction site are not necessary based on an EPA-approved TMDL that addresses the pollutants of concern for construction activities (e.g., sediment).
3. For discharges to nonimpaired waters, if an analysis equivalent to a TMDL is developed that determines allocations for the pollutants of concern or that such allocations are not needed to protect water quality. The equivalent analysis must be based on existing in-stream concentrations, expected growth in pollutant concentrations from all sources, and a margin of safety.

9.2.4 Notice of Termination

To terminate permit coverage for a general or individual permit, the permittee must submit a notice of termination (NOT) to DEQ. NOTs may be submitted via DEQ's online reporting system as described in section 13.1. NOTs will be reviewed by DEQ staff, and written notification may be provided to the applicant once DEQ has determined that conditions identified in the permit have been met.

9.2.5 Compliance Monitoring and Enforcement

Compliance monitoring, or inspections, will take place for construction storm water activities according to the IPDES compliance monitoring strategy (CMS) and the annual plan of inspections (API) negotiated between EPA and DEQ and outlined in the PPA.

Corrective actions for compliance with the effective CGP include the following:

- Repairing, modifying, or replacing any storm water control used at the site
- Cleaning up and properly disposing of spills, releases, or other deposits
- Remedying a permit violation

Corrective actions taken by a permittee will be tracked using a corrective action report (CAR). DEQ will not require permittees to submit CARs on a routine basis but will expect the permittee to provide all CARs when requested by the department.

DEQ will complete the following:

- Review SWPPPs and annual reports connected with that plan.
- Review changes to the SWPPPs.
- Review other records (e.g., monitoring data).
- Review and, as appropriate, approve specific submittals (e.g., LEWs).
- Coordinate on administrative and technical issues.

9.3 Industrial

Materials and equipment handling and storage activities at industrial facilities are often exposed to the weather. Runoff from rain or snow fall that comes in contact with these activities may pick up pollutants and transport them either directly or indirectly to a surface water body.

Industrial activities subgrouped under 40 CFR 122.26 (b)(14), excluding construction, will be regulated under the existing multisector general permit (MSGP), unless due to ineligibility, an individual or alternate general permit is required. State use of the MSGP will allow all regulated industries to be covered under a general permit for discharges of storm water runoff. DEQ will evaluate compliance and effectiveness of this permit, along with experience of other states' NPDES programs (e.g., Oregon and Washington) to determine whether general permits for one or more specific industrial sectors is appropriate. When authority for the Storm Water Program is transferred to DEQ and upon expiration of the MSGP, DEQ will reissue the general permit to include Idaho-specific requirements and conditions.

9.3.1 Coverage under a General Permit

For those facilities covered under the current and effective EPA MSGP, coverage will continue until DEQ issues a new general permit (IDAPA 58.01.25.101.01.e). Facilities with effective coverage under the general permit will not be required to resubmit an NOI. Instead, DEQ will transmit a cover letter to all permit holders to inform them that DEQ has assumed responsibility for permitting, compliance, and enforcement authority over the general permits.

For facilities seeking coverage under the general permit for the first time, or seeking renewal of coverage under a newly issued general permit, the NOI for coverage procedures outlined in section 6.5.4 will be applied. NOIs must be submitted as outlined in section 13.1.1.

In issuing a general permit for industrial storm water discharges, DEQ will follow the process for issuing coverage under the general permit presented in section 6.5.4. Facilities needing coverage under the general permit will be required to submit an NOI via DEQ's electronic application system outlined in section 13.1.1.

DEQ will continue the requirements for submitting additional SWPPP information under the MSGP. During an inspection, DEQ will review SWPPPs for content and applicability. If a SWPPP is deemed to be incomplete or insufficient, DEQ will notify the discharger in writing and identify the specific items that need to be addressed before authorizing coverage under the general permit.

9.3.2 Coverage under an Individual Permit

If a facility does not qualify, or requests not to have, coverage under the general permit, DEQ will require an application for an individual permit as outlined in section 6.3. The application for an individual permit will require information identified in IDAPA 58.01.25.105.19, which is consistent with 40 CFR 122.26.

DEQ will require submittal of a SWPPP as part of the application for an individual industrial storm water permit.

9.3.3 Certificate of No Exposure

The intent of the no exposure provision is to provide facilities, with industrial materials and activities that are entirely sheltered from storm water, a simplified way of complying with the storm water permitting provisions. This provision includes facilities located within a larger office building, or where the only items exposed to precipitation are roofs, parking lots, vegetated areas, and other nonindustrial areas or activities.

An industrial facility that protects its industrial materials and activities using a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff may be eligible for an exemption from the MSGP requirements (EPA 2000b). This *certificate of no exposure* applies to 10 of the 11 regulated categories of industrial storm water discharges. It does not apply to category 10, discharges from construction sites that disturb 5 or more acres. This category is permitted separately under the construction storm water general permit.

DEQ will require a facility seeking this exemption to submit the No Exposure Certification form via DEQ's online application website (<http://www.deq.idaho.gov/water-quality/ipdes/waivers/NOEC>). This form is equivalent to EPA's Form 3510-11.

9.3.4 Notice of Termination

To terminate permit coverage for a general or individual permit, the permittee must submit a notice of termination (NOT) to DEQ. NOTs may be submitted via DEQ's online reporting system as described in section 13.1.1. NOTs will be reviewed by DEQ staff, and written

notification will be provided to the applicant once DEQ has determined that conditions identified in the permit have been met.

9.3.5 Compliance Monitoring

DEQ will require facilities covered under either a general permit or an individual permit to submit DMRs using EPA's NetDMR application (section 13.3) according to the frequency of submittal identified in the permit. DEQ will also perform compliance inspections according to the frequency and type identified in the current version of the IPDES CMS (Appendix G).

DEQ will complete the following:

- Review SWPPPs and annual reports connected with that plan.
- Review changes to the SWPPPs.
- Review other records (e.g., monitoring data).
- Review and, as appropriate, approve specific submittals (e.g., QAPPs).
- Coordinate on administrative and technical issues.

Storm Water Program compliance inspections and enforcement are discussed in Section 11 "Compliance Evaluation" and Section 12 "Enforcement."

9.4 Municipal

MS4s are regulated as either large/medium (Phase I) or small (Phase II) systems. There are currently 16 individual permits for MS4 coverage: one for large/medium systems and 15 for small systems. DEQ will evaluate other small MS4s for designation as regulated MS4s based on the *IPDES Designation Criteria and Selection Process for Small Municipal Separate Storm Sewer Systems* (DEQ 2016c), as well as criteria and models developed by other states and EPA Region 10. EPA is issuing a general permit in 2016 to cover both Phase I and Phase II MS4 discharges. DEQ will likely continue with the general permit for MS4 discharges upon approval of that component of the IPDES Program.

9.4.1 Coverage under an Individual Permit

All MS4 permittees with effective permits must submit a complete application for renewal of permit coverage at least 180 days before the permit's expiration date. When DEQ determines that a complete application has been submitted, a permittee's coverage under an expired permit and the conditions of that permit will continue until the effective date of a reissued permit. According to EPA's *Interpretive Policy Memorandum on Reapplication Requirements for MS4s* (EPA 1996b), requirements to demonstrate adequate legal authority, perform source identification, characterize data, and develop a storm water management program will not apply to the reapplication of Phase I MS4s (large and medium).

The basic required reapplication information for Phase I MS4s (large and medium) will include the following:

- Name and mailing address of the permittee operating the MS4
- Names and titles of the primary administrative and technical contacts for the municipal permittee

- Identification of any proposed changes or improvements to the storm water management program and monitoring activities for the upcoming 5 years

The applicant can use the fourth-year annual report information along with submittal of the basic information as the permit reapplication.

As the permitting authority for the regulated small MS4s, DEQ will comply with the requirements of 40 CFR 123.35 to ensure consistent implementation of the MS4 program.

DEQ will complete the following:

- Review storm water management programs (SWMP) plans and associated annual reports connected with that plan.
- Review changes to the SWMPs.
- Review other records (e.g., monitoring data).
- Review and, as appropriate, approve specific submittals (e.g., QAPPs).
- Coordinate on administrative and technical issues (e.g., Adopt-a-Stream Program).

DEQ may refer to the EPA guidance document: *Interpretive Policy Memorandum on Reapplication Requirements for Municipal Separate Storm Sewer Systems* (EPA 1996b).

9.4.2 Coverage under a General Permit

In issuing a general permit for municipal storm water discharges, DEQ will follow the process presented in section 6.5. Facilities needing coverage under the general permit will be required to submit an NOI via DEQ's electronic application system (CRIPS) as outlined in section 13.1.

For those facilities covered under a current and effective EPA MS4 general permit, coverage will continue until DEQ issues a new general permit (IDAPA 58.01.25.101.01.e). Facilities with effective coverage under the general permit will not be required to resubmit an NOI. Instead, DEQ will transmit a cover letter to all permit holders to inform them that DEQ has assumed responsibility for permitting, compliance, and enforcement authority over the general permits.

For facilities seeking coverage under the general permit for the first time, or seeking renewal of coverage under a newly issued general permit, the NOI for coverage procedures outlined in section 6.5 will be applied. NOIs must be submitted as outlined in section 13.1.1.

DEQ will continue the requirements for submittal of SWMPs under a MS4 general permit. DEQ will review SWMPs for content and applicability. If a SWMP is deemed to be incomplete or insufficient, DEQ will notify the applicant in writing identifying the specific items that need to be addressed before authorization for coverage under the general permit can be issued.

9.5 Public Outreach

At the outset of program approval, DEQ will develop a communications plan targeting operators of activities that are currently regulated for storm water discharges to provide information on the change in permitting authority. Outreach to the planning departments of local governments will also occur to provide information on the Storm Water Program requirements. DEQ has convened

an IPDES permittee work group and will continue to use this forum to inform regulated industries and local governments.

DEQ intends to make compliance requirements understandable to the regulated dischargers (MS4 communities, industrial facility operators, and construction contractors). DEQ will provide training on permit requirements and procedures for storm water permitting staff responding to storm water inquiries. This training will be reviewed and upgraded as necessary to keep abreast of emerging issues. Training that staff complete will be identified in DEQ's capacity building summaries (Appendix B). To provide compliance outreach, DEQ will complete the following:

- Maintain a web page that provides the following:
 - Information about specific permit requirements and procedures to obtain coverage.
 - Links to other resources.
 - Web access to postings that will include the names of persons authorized to discharge under the permit and the locations the discharge is authorized of those with current CGP and MSGP NOIs.
- Answer telephone and e-mail inquiries in a complete and consistent manner.
- Provide outreach to interested groups, particularly local government planning and permitting offices, construction contractors, engineers, and designers.
- Make training materials available online.
- Develop technical guidance for BMPs, as required, for Idaho-specific conditions. Some of the guidance will be based on the outcome of several current grant-funded studies of BMPs.

10 Concentrated Animal Feeding Operations

Concentrated Animal Feeding Operations are operations confining animals for more than 45 days during a growing season, in an area that does not produce vegetation, and meeting certain size thresholds. The categorization of CAFOs affect whether the facility is subject to regulation under the Clean Water Act. CAFOs are only made subject to regulations under the Clean Water Act if there is a discharge into a water of the U.S.

DEQ's IPDES program authorities overlap with Idaho State Department of Agriculture's (ISDA) existing state CAFO programs. For example, a discharge of wastewater or dairy byproducts to state surface water may be a violation of ISDA's program requirements and the IPDES program requirements. This overlap is recognized and dealt with by the state legislature in several ways. First, the Idaho legislature has expressly recognized that nothing in the ISDA authorities "shall affect the authority of the department of environmental quality to administer and enforce an Idaho NPDES program for... [CAFOs—either beef cattle feeding operations or dairy farms], including without limitation, the authority to issue permits, access records, conduct inspections and take enforcement actions, as set forth in Chapter 1, Title 39, Idaho code, and the rules adopted pursuant thereto. The provisions of this Chapter [ISDA authorities] do not alter the requirements, liabilities and authorities with respect to or established by an Idaho NPDES program." Idaho Code section 22-4903(2); Idaho Code section 37-603 (3) (bracketed language added).

Second, the Idaho legislature has provided that the ISDA programs should be consistent and coordinated with the DEQ IPDES program authorities and that the two agencies shall, as appropriate, establish an agreement to implement the IPDES program with respect to CAFOs in Idaho. Idaho Code section 22-4903(3); Idaho Code section 37-603(4); Idaho Code section 39-175(C)(5). Pursuant to this authority, DEQ and ISDA have entered into a MOU that recognizes DEQ as the sole authority with respect to implementing the IPDES program, and under which ISDA agrees to inspect CAFOs on behalf of DEQ. The MOU also provides that DEQ retains all enforcement authority for any violations of the IPDES program requirements and that the agencies shall coordinate and consult with respect to enforcement for actions that violate both IPDES program requirements and the requirements of the ISDA programs.

10.1 Multiple Jurisdictions

As outlined in sections 10.1.1–10.1.5, CAFOs are subject to regulations from different state and local agencies although the Idaho State Department of Agriculture (ISDA) is the primary state agency interacting with beef and dairy cattle operations in Idaho. ISDA has the authority under the Beef Cattle (Idaho Code §22-49) and Dairy (Idaho Code §37-6) Environmental Control Acts to regulate CAFO operations; however, both acts specifically provide that DEQ has the sole authority to regulate CAFOs to the extent required under the IPDES Program. This authority includes, without limitation, issuing permits, accessing records, conducting inspections, and taking enforcement actions.

DEQ rules regarding CAFOs are incorporated in IDAPA 58.01.25.003 from the Code of Federal Regulations, and are also included in IDAPA 58.01.25.301.05. As the regulatory authority, DEQ will be issuing either an IPDES individual CAFO permit or authorizing coverage under an IPDES general CAFO permit.

Idaho Code directs ISDA and DEQ to coordinate efforts and authorizes a memorandum of understanding (MOU) between ISDA and DEQ to this end (Appendix F). Therefore, DEQ will implement the IPDES Program for CAFOs in partnership with ISDA, including determining whether facilities are required to obtain permits, issuing and enforcing permit conditions, inspecting facilities, and when necessary taking action to ensure compliance with permit conditions. DEQ will use ISDA's experience and knowledge in reviewing and approving nutrient management plans and inspecting both permitted and unpermitted CAFO facilities. As noted, DEQ will have the responsibility and authority to pursue enforcement actions regarding violation of permits and for unauthorized or illegal discharges from CAFOs.

10.1.1 Siting CAFOs in Idaho

Idaho counties hold the authority to regulate siting of CAFOs in the state. County ordinances regulate CAFO zoning and contain environmental protection clauses and rules about waste removal as well.

Dairies must apply for county CAFO permits before they can open. Planning and zoning boards or county commissioners approve or deny the applications. The opportunity for public input before CAFOs are sited is required by Idaho statute. At a minimum, the board of county commissioners must hold at least one public hearing at which the public may comment on a

proposed site. Only members of the public with their primary residence within a 1-mile radius of a proposed site may provide comment at the hearing. However, this distance may be increased by the board. The board must consider public comments when deciding whether to approve or reject a proposed site.

The state plays an advisory role in the siting of CAFOs. Representatives of DEQ, ISDA, and Idaho Department of Water Resources serve on Idaho's CAFO Site Advisory Team. The team reviews sites proposed for CAFOs, determines environmental risks, and submits site suitability determinations to counties.

10.1.2 Beef Cattle Operations

The Beef Cattle Environmental Control Act (Idaho Code §22-4901 et seq.) authorizes ISDA to regulate beef cattle animal feeding operations to protect state natural resources, including surface and ground water. It also provides that the authority of DEQ to administer and enforce IPDES rules regarding discharge of pollutants is not altered by the provisions of Idaho Code Title 22 Chapter 49.

Idaho's Rules Governing Beef Cattle Animal Feeding Operations (IDAPA 02.04.15) govern the design, function, and management practices of waste systems on beef cattle animal feeding operations. The rules also prohibit any unauthorized discharge of manure or process wastewater from a beef cattle feeding operation. ISDA's responsibilities include conducting inspections, ensuring compliance with BMPs designed to protect natural resources, providing technical assistance to beef cattle operations, conducting enforcement activities, and responding to complaints from the public.

DEQ and ISDA will work cooperatively to ensure that beef CAFOs comply with the appropriate state and federal regulations. In general, IDAPA 02.04.15 apply to those CAFOs that do not discharge pollutants to waters of the U.S. in Idaho, while IDAPA 58.02.25 apply to CAFOs that do discharge pollutants to waters of the U.S.

10.1.3 Dairies

Similar to the Beef Cattle Environmental Control Act, the Dairy Environmental Control Act (Idaho Code §37-6101 et seq.) authorizes ISDA to regulate dairies to protect state natural resources. It also provides that the authority of DEQ to administer and enforce IPDES rules regarding discharge of pollutants is not altered by the provisions of Idaho Code Title 37 Chapter 6. The DECA requires dairies to have an approved dairy environmental management plan in place.

IDAPA 02.04.14 rules governing dairy environmental management systems include criteria for managing the areas and structures within a dairy farm where dairy byproducts are collected, stored or treated in conformance with engineering standards and specifications published by the USDA Natural Resources Conservation Service or by the ASABE, or other equally protective criteria approved by the director. These areas may include corrals, feeding areas, collection systems, conveyance systems, storage ponds, treatment lagoons, evaporative ponds and compost areas, but do not include pastures as defined in these rules. The dairy environmental management plan includes a dairy nutrient management plan which must be prepared in conformance with the

nutrient management standard by a certified planner and approved. The nutrient management standard are criteria for managing the land application of nutrients and soil amendments published in the USDA NRCS conservation practice standard nutrient management code 590 or other equally protective criteria approved by the Director of ISDA.

DEQ and ISDA will work cooperatively to ensure that dairy CAFOs comply with the appropriate state and federal regulations. In general, IDAPA 02.04.14 apply to those dairy CAFOs that do not discharge pollutants to waters of the U.S. in Idaho, while IDAPA 58.02.25 apply to dairy CAFOs that do discharge pollutants to waters of the U.S.

10.1.4 Swine Facilities

DEQ is authorized to regulate swine facilities to ensure animal waste is properly controlled so as not to adversely affect public health or the environment. New or expanding swine facilities having a one-time animal unit capacity of 2,000 or more animal units must be permitted whether or not the capacity is currently being met. No such facilities are currently located in Idaho.

10.1.5 Poultry

The Poultry Environmental Act, Idaho Code section 25-4001 et.seq. authorizes ISDA to regulate poultry CAFOs. ISDA has adopted the Rules Governing Poultry Operations (IDAPA 02.04.32) that govern the design, function, and management practices of waste systems on poultry CAFOs and establish processes and procedures for regulating these facilities. ISDA rules require poultry animal-feeding operations to have wastewater storage and confinement facilities to control runoff and nutrient management plans to manage land application of nutrients or soil amendments. The rules are administered by ISDA and also give ISDA inspection and enforcement authority. Among ISDA's responsibilities are conducting inspections, ensuring compliance with BMPs designed to protect natural resources, providing technical assistance to poultry operations, conducting enforcement activities, and responding to complaints from the public.

10.2 Duty to Apply

Notwithstanding regulations applicable under the various authorities granted to ISDA, those CAFOs that discharge to waters of the United States must apply for coverage under the CAFO general permit or apply for an individual discharge permit according to 40 CFR 122.23(d) and incorporated by reference in IDAPA 58.01.25.003.02.b. DEQ is solely responsible and authorized to determine whether a CAFO is required to obtain a permit. (See Idaho Code section 37-608(2)). CAFOs applying for coverage under the general permit are expected to follow the processes and procedures outlined in section 6.2, while CAFOs applying for an individual permit should follow procedures outlined in section 6.3.

10.3 Coverage under a General Permit

DEQ will issue a general permit for CAFOs within Idaho that discharge to waters of the United States consistent with the CWA and state regulations. The process for issuing coverage under the general permit will be consistent with that laid out in section 6.5. In addition to submitting an

NOI for coverage under the general permit, the applicant must submit the nutrient management plan for review and approval.

DEQ and ISDA have established a MOU to implement this review process. ISDA staff members have been working closely with the CAFOs in Idaho for the last several decades to provide state services and implement regulations associated with Idaho's Dairy and Beef Cattle Environmental Control Acts. This established relationship means that ISDA has both the knowledge and support of the agricultural community to perform review of nutrient management plans. DEQ would need to develop this specialized knowledge if the reviews of all nutrient management plans were done by DEQ staff. To implement an effective and efficient program, DEQ will rely on the specialized knowledge of the ISDA staff and will work closely with ISDA to ensure that the nutrient management plans meet the regulatory requirements.

Once DEQ, with input from ISDA, approves the nutrient management plan, DEQ will proceed with a public notice to grant coverage under the general permit. DEQ will make the NOI submitted by the CAFO, nutrient management plan, and draft terms of the nutrient management plan that will be incorporated into the permit available for public review and comment. The public comment process will follow the public notification and comment procedures outlined in IDAPA 58.01.25.109.

Upon close of the public comment period, DEQ will respond to comments received, and if necessary, work with ISDA to require the CAFO owner or operator to revise the nutrient management plan. After completing the response to comments and any necessary revisions to the nutrient management plan, DEQ shall notify the CAFO owner and operator of its decision either to approve or to deny coverage under the general permit. If DEQ authorizes coverage, the terms of the nutrient management plan will be incorporated as terms and conditions of the permit that are applicable to the CAFO.

IDAPA 58.01.25.130.05.b.vi discusses CAFO authorizations under a general permit and the information required for an application including data specified in IDAPA 58.01.25.105.09 and 40 CFR 122.21(i)(1). CAFOs may be authorized under a general permit only according to the process described in 40 CFR 122.23(h) (IDAPA 58.01.25.130.05.b.vii).

IDAPA 58.01.25.201.02.c.xvii discusses incorporating the terms of a CAFO's nutrient management plan into the terms and conditions of a general permit (according to federal and state rules) and are not a cause for modification pursuant to the requirements of IDAPA 58.01.25.201. However, under IDAPA 58.01.25.201.03.h, they are a cause for a minor modification.

IDAPA 58.01.25 301.05 requires that any permit for a CAFO must include provisions pursuant to 40 CFR 122.42(e).

10.4 Coverage under an Individual Permit

In some instances a particular CAFO operation may not be eligible for coverage under the general permit, or the operator may request an individual permit. In these cases, DEQ will develop an individual permit following the procedures for individual permits outlined in section

6.3 and EPA's *NPDES Permit Writers' Manual for Concentrated Animal Feeding Operations* (EPA 2012).

A nutrient management plan is also required when a CAFO applies for an individual permit. DEQ will rely on the technical expertise of ISDA staff during the review of the nutrient management plan before public comment. Once the draft permit is developed, DEQ will provide a public comment period consistent with IDAPA 58.01.25.109. After closure of the public comment period, DEQ will prepare a response to comments if necessary and work with ISDA to require the CAFO to make any necessary revisions to the nutrient management plan before issuing a final permit. DEQ will follow the process and procedures for EPA review of a proposed final permit as outlined in the MOA (DEQ and EPA 2016) and 40 CFR 123.44. Terms set out in the nutrient management plan will be incorporated into the final permit.

10.5 Compliance Monitoring

10.5.1 Inspections

CAFO compliance monitoring verifies that the CAFOs are not illegally discharging to water of the United States and that permitted CAFOs are in compliance with their NPDES permits.

DEQ will work with ISDA to conduct inspections of permitted CAFOs according to the IPDES CMS to evaluate compliance with the permit conditions including the terms of the nutrient management plan, reporting, and record keeping. In some instances, a permitted CAFO may be inspected more frequently in the following cases:

- Is an exceptionally large livestock and poultry operation
- Has a history of noncompliance
- Has significant site-specific environmental concerns, including operations located on impaired water bodies
- Has a permit that includes a voluntary alternative performance standard

Pursuant to the MOU between DEQ and ISDA, inspections of unpermitted CAFOs will be conducted by ISDA inspectors and will evaluate, among other things, practices associated with land application of dairy byproducts or beef cattle manure, litter, and process wastewater to determine whether all land application is consistent with the applicable NMP. ISDA inspectors will conduct these inspections in the time frame consistent with their current inspection practices. ISDA inspectors will notify DEQ of any discharge from a nonpermitted CAFO to state surface water. DEQ will then be responsible for determining whether such a discharge requires an IPDES permit, and for determining appropriate enforcement or other response.

10.5.2 Nutrient Management Plans

DEQ proposes to work with ISDA and the Natural Resources Conservation Service (NRCS) in developing nutrient management plans. DEQ proposes using NRCS tools and technical service providers when a CAFO is preparing a nutrient management plan. Idaho Code section 74-114 and IDAPA 58.01.25.002 provide that permit applications, information required to be submitted by the application forms and effluent data are available to the public. NMPs are a required part of IPDES permit applications for CAFOs. In addition, NMPs may be considered effluent data

which is also required by state law to be available to the public. Therefore, if a CAFO owner or operator applies for coverage under a general or individual IPDES permit, NMPs would, as required by federal law, be available to the public for inspection and copying.

10.6 Reporting

For CAFOs covered under either a general or an individual permit, an annual report must be submitted to DEQ. This report will include those items required in the general permit:

- Number and type of animals, whether in open confinement or housed under roof
- Estimated amount of total dairy byproducts or beef cattle manure, litter, and process wastewater generated by the CAFO in the previous 12 months (tons/gallons)
- Estimated amount of total dairy byproducts or beef cattle manure, litter, and process wastewater transferred to other persons by the CAFO in the previous 12 months (tons/gallons)
- Total number of acres for land application covered by the nutrient management plan developed according to 40 CFR 122.42(e)(1)
- Total number of acres under control of the CAFO that were used for land application of dairy byproducts or beef cattle manure, litter, and process wastewater in the previous 12 months
- Summary of all dairy byproducts or beef cattle manure, litter, and process wastewater discharges from the production area that have occurred in the previous 12 months, including date, time, and approximate volume
- Actual crops planted and actual yields for each field
- Actual nitrogen and phosphorus content of the dairy byproducts or beef cattle manure, litter, and process wastewater
- Results of calculations conducted according to 40 CFR 22.42(e)(5)(i)B) and 122.42(e)(5)(ii)(D)
- Amount of dairy byproducts or beef cattle manure, litter, and process wastewater applied to each field during the previous 12 months
- For a CAFO that implements a nutrient management plan that addresses rates of application according to with 40 CFR 122.42(e)(5)(ii):
 - Results of any soil testing for nitrogen and phosphorus taken during the preceding 12 months
 - Data used in calculations conducted according to 40 CFR 122.42(e)(5)(ii)(D)
 - Amount of any supplemental fertilizer applied during the previous 12 months

11 Compliance Evaluation (40 CFR 123.26)

The primary goal of IPDES CIE is to ensure and document whether entities regulated under the IPDES programs are complying with CWA obligations. To achieve this goal, IPDES CIE will ensure compliance with permit and program requirements by using a combination of (1) compliance monitoring, (2) compliance assistance, (3) compliance incentives, and (4) enforcement according to the principles established in the following:

- *EPA/State Agency Agreement on Compliance Assurance Principles* (EPA 1997a)

- *Compliance Assurance Evaluation Principles* (EPA 1998)
- *Enforcement and Compliance Strategy* (EPA 1997b)
- *NPDES Compliance Monitoring Strategy* (EPA 2014)
- *IPDES Compliance Monitoring Strategy* (DEQ 2016c) (Appendix G)
- *IPDES Enforcement Response Guide* (DEQ 2016d) (Appendix H)

Required by 40 CFR 123.26, DEQ must have the following procedures:

- Receive, evaluate, retain, and investigate all notices and reports required of permittees and other regulated persons.
- Inspect and provide surveillance to determine if entities are complying with applicable program requirements independent of information supplied by the regulated persons.
- Receive and ensure proper consideration of information from the public regarding violations.
- Initially screen all permit information to identify violations and establish priorities.
- Conduct a substantive technical evaluation following the initial screening to determine an appropriate agency response.
- Transfer the minimum set of NPDES data to EPA within 40 days.

These regulations also require DEQ to provide the following:

- Ensure periodic inspections of facilities including verifying the accuracy of information submitted by permittees and other regulated persons and the adequacy of sampling, monitoring, and other methods.
- Investigate information obtained about violations of applicable program and permit requirements.
- Maintain an electronic data management system capable of tracking and transferring all information related to facilities and activities subject to DEQ's authority and compliance with program requirements.

This section describes DEQ's programs and procedures that satisfy the requirements of the compliance evaluation program regulations in 40 CFR 123.26.

DEQ reserves the right to establish state compliance and enforcement priorities but will generally target resources to coincide with EPA's National Priorities, as set out in the *Office of Enforcement and Compliance Assurance National Program Manager's Guidance* (EPA 2015). Traditional compliance monitoring and enforcement activities are and will continue to be an essential element of DEQ's compliance efforts.

Specific priorities, goals, and responsibilities will be negotiated annually with EPA through the PPA and will align with EPA's most current national program guidelines (EPA 2015). DEQ will determine and monitor a permittee's compliance with an IPDES permit and related orders as defined in DEQ's *Enforcement Procedures Manual* (DEQ 1999). DEQ will inspect the facility, document inspection findings, determine the appropriate enforcement response, and follow up with the permittee to ensure that compliance is achieved.

The IPDES Program intends to invest sufficient resources in compliance monitoring and enforcement to maintain a strong deterrent effect. In recent years, EPA has increased its use of innovative tools, and DEQ expects to identify and implement innovative tools in situations where

they are more likely than traditional approaches to yield a successful result. The first priority, however, is to achieve and maintain deterrence through traditional tools before investing in innovative approaches. DEQ will strategically select and use tools most likely to provide maximum results.

DEQ will determine a permittee's compliance status with IPDES permit requirements using multiple approaches. As identified in the IPDES CMS, DEQ's goal for major permittees is to conduct one compliance evaluation inspection at least every 2 years, and the goal for traditional minor permittees will be once every 5 years. Additionally for traditional minor permittees, DEQ will review compliance information (e.g., monitoring reports) at least annually.

11.1 Monitoring

Compliance monitoring means any type of check that is done to evaluate whether a permittee is in or out of compliance. Examples are inspections, paperwork reviews, or CRIPS data and ICIS/NetDMR report reviews. DEQ will receive, evaluate, retain, and investigate all notices and reports required of IPDES-permitted dischargers to determine a facility's compliance status. DEQ's compliance monitoring program will invest resources categorically:

- Sector—A distinctive segment of the regulated community. Sector facilities may share similar locations, inputs, operating processes, discharges, or compliance requirements. Shared characteristics make sectors an efficient means of targeting compliance resources. Wastewater treatment facilities, land-disturbing activities (construction storm water), and aquaculture are examples of sectors.
- Geographically based environmental protection—Targeting compliance resources in a coordinated fashion toward a geographic area such as a watershed or DEQ regional office.
- Surface water quality—Priorities, statutory mandates, or agency policies that influence targeting of resources (e.g., complaint response policies or combining ambient water quality sampling with compliance evaluation inspections).
- Multimedia integration—Multimedia means an action (e.g., inspection or enforcement) that coordinates the efforts of two or more DEQ programs. The IPDES Program will collaborate with sister programs to target facilities for multimedia compliance oversight.
- Incentives—Policies or initiatives that are intended to achieve compliance by motivating the regulated community with incentives, such as regulatory flexibility.

Excluding DMRs, the IPDES CRIPS database will maintain an inventory of all IPDES-permitted sources, including application, facility, and billing information; permit limits; other permittee reporting requirements covered in both the permit (established both inside and outside a permit) and in any related orders; facility location maps; inspection results; permittee compliance follow-up; enforcement actions; and compliance schedules. CRIPS will allow DEQ to perform the following:

- Compile, manage, track, review, and report on the compliance status of permitted facilities according to 40 CFR 123.26(e)(1).
- Verify compliance with the permit limits and conditions.

DEQ will require permittees to submit discharge monitoring data through EPA's NetDMR web application according to the self-monitoring and reporting timeline requirements of the permit. DEQ will obtain DMR data through exchange flows with ICIS/NetDMR. All other self-reporting information (e.g., WET testing results) that a permittee currently submits as an attachment in NetDMR will be submitted electronically via the user interface or other mechanisms (depending upon document size), unless permission has been granted to submit hard copies.

The date that NetDMR receives a complete DMR will be the receipt date considered for compliance purposes. DEQ will provide guidance and training to ensure permittees submit compliance data electronically. NetDMR reports will be tracked in CRIPS via their due dates specified in the permit.

If a facility is granted a waiver to submit hard copy DMRs, the receipt date will be the date stamped on the document when it is opened after delivery. For a hard copy annual or other report, the receipt date will be the date stamped on the document upon delivery to DEQ.

Self-monitoring and reporting violations can be classified into two categories: (1) a system-generated violation (e.g., an effluent limit violation discovered via DMR submission, DMR nonreceipt, or compliance schedule violation) and (2) a single-event violation that is distinct from a system-generated violation. A single-event violation violates an IPDES permit or regulatory requirement that is documented during a compliance inspection, reported by the facility, or determined through other compliance monitoring methods. Examples of a single-event violation include failure to obtain a required permit, sampling wastewater in an unauthorized location, an unauthorized bypass or discharge, a narrative violation description reported on a DMR, or a pretreatment violation.

Any information deemed to be a trade secret collected during the course of conducting compliance and enforcement activities will be handled in the same manner as trade secrets collected during permitting, as described in section 6.2.1.

11.1.1 Compliance Evaluation Procedures

To evaluate compliance, DEQ will conduct the following procedures:

1. Upon receipt, review DMRs and reports for completeness and determine compliance with permit limits and conditions. Staff will use ICIS to review DMR data and CRIPS for all other self-reporting data to evaluate compliance. Staff will follow up with permittees, as needed, to request additional information. CRIPS reporting capabilities will enhance this review by creating automated exception reports for other self-monitoring data that are not submitted, incomplete, or otherwise out of compliance with permit conditions. These reports will be available to staff at the time of data exchange from ICIS/NetDMR.
2. Conduct a facility file review for the presence of other required permit reports (e.g., annual reports and update notifications for the QAPP and O&M manual) using CRIPS' compliance schedule capability to generate an automated exception report when the reports (notifications) are missing.
3. Review effluent and ambient monitoring data collected by DEQ or permittee.
4. Review baseline monitoring reports submitted by IUs subject to categorical pretreatment standards to determine the need for pretreatment requirements or development of a pretreatment program.

5. Review 90-day compliance reports submitted by new source IUs following the date for final compliance with applicable categorical pretreatment standards where DEQ is the control authority.
6. Review data in DEQ's statewide Complaint Tracker to determine whether the appropriate level of response was provided and status of open complaint investigations.
7. Review any permit-related orders.
8. May contact a facility and make a verbal or written information request when potential noncompliance issues are found during the review of required information. DEQ may follow up with an additional informal response or formal enforcement action and possibly an inspection.

IPDES staff will promptly notify the permittee of any potential noncompliance with the permit conditions or permit-related orders according to the *IPDES Enforcement Response Guide* (Appendix H). Noncompliance that warrants an informal response or formal enforcement action will be handled directly by an IPDES staff member and their immediate supervisor. Noncompliance that warrants a formal enforcement action will require additional coordination with IPDES CIE staff in the state office and consultation with the AG's Office. All correspondence and enforcement actions will be documented in CRIPS.

11.1.2 IPDES Facility Inspections

A compliance evaluation inspection is primarily a responsibility of DEQ regional offices. However, IPDES staff in the state office may initiate an inspection where regional staff resources preclude a timely compliance evaluation or complaint investigation. Generally, the IPDES Program will place an emphasis on regional staff to establish a working relationship with the regulated community. Specifically, compliance inspectors in each regional office will be a permittee's point of contact. Regional staff will be responsible for contacting a permittee when a self-reported noncompliance issue arises and to schedule a routine facility inspection (i.e., compliance evaluation inspection).

Under state law (Idaho Code §39-108(2)(b) and IDAPA 58.01.25.300.09), DEQ has authority to enter, at reasonable times, any private or public property to inspect or investigate possible violations of IPDES rules, permits or orders, and other program requirements, such as the pretreatment regulations. An IPDES applicant, as part of the application process, and once permitted, must allow entry upon the premises by DEQ staff to (1) access and copy any records that permit conditions require the permittee to keep; (2) inspect facilities and equipment (including monitoring and control equipment) practices, or operations regulated or required under a permit; and (3) sample or monitor any substances or parameters at any location for the purpose of ensuring compliance or as authorized under CWA.

In addition to reviewing information supplied by the applicant or permittee, compliance and enforcement staff will conduct an on-site inspection of a facility to ascertain compliance or noncompliance with the following:

- IPDES permit limits and conditions
- Rules
- Compliance schedules
- Permit-related orders

- Water quality standards

The inspection will complete the following:

- Verify the accuracy of information submitted by the permittee
- Verify the adequacy of the sampling and monitoring conducted by a permittee
- Gather evidence to support enforcement actions
- Obtain information that supports the permitting process
- Assess compliance with previous administrative and judicial enforcement notices, orders, and agreements

The compliance inspector will consult EPA's *NPDES Compliance Inspection Manual* (EPA 2004b) for guidance on how to conduct and report on IPDES inspections of municipal and industrial facilities (including collection, conveyance systems, and disposal facilities); storm water discharges from industrial and construction sites; pretreatment facilities; municipal wastewater collection systems (combined with and separate from storm water); and unpermitted facilities.

For discharges other than storm water from construction sites, DEQ will use the EPA's Inspection Targeting Model as a guide for prioritizing and scheduling inspections. The model involves a comprehensive survey of IPDES facilities using a point system to identify facilities that pose a higher risk to human health or the environment. The Inspection Targeting Model sorting tool will generate a ranked report, and DEQ will use this report as a guide to develop an API.

Criteria that influence the ranked report include the following:

- Classification as a major or minor discharger
- Time since last inspection
- Type of receiving environment
- Cumulative effects from other discharges
- Discharge into an impaired water body
- Health effects from potential wastewater treatment process failure
- Failure to submit a DMR
- Post inspection compliance

For storm water discharges from construction sites (facilities operating under the CGP), DEQ will develop a ranking model specific to CGP facilities. Initially, a combination of planning methods for scheduling construction site inspections will be used. For example, DEQ may use a rotating geographic area basis for CGP inspection planning. An inspection may also be scheduled when inspecting another facility in the area. The criteria influencing where DEQ will conduct an inspection include the following:

- Whether a previous inspection required follow-up action
- Post inspection compliance
- Receiving environment of the discharge
- Cumulative effects from other discharges
- Whether the discharge is to an impaired water body
- Previous noncompliance by the operator

- Complaints and noncompliance
- If the project is on-going, particularly through more than one season
- Land area disturbed
- Operation size
- Heavy weather conditions
- Construction work timing
- Proximity to a water body
- Number of NOIs in a geographic area

Facilities that otherwise score low in the overall ranking may also be inspected at DEQ's discretion.

Additional criteria that may influence the annual inspection schedule for wastewater and storm water discharges, and sewage sludge use or disposal include the following:

- Legitimate complaint of human health or environmental hazards
- New site or significant modification to existing permitted site or facility
- Significant permit violations
- Other factors at DEQ's discretion, including fish kills, significant environmental or human health problems, joint inspections with other agencies, and inspections of opportunity due to travel to the vicinity

DEQ will ensure a representative number of inspections are conducted annually. The PPA will include a task for DEQ to provide EPA with an API for permitted facilities. DEQ's API will include the number of storm water inspections at construction sites that will be completed but not the actual site because many of NOIs filed under CGP are submitted just before construction activities begin. DEQ will also inspect unpermitted facilities. DEQ cautions that situations may arise that will change the actual facilities that are inspected.

DEQ will negotiate inspection schedules with EPA that will allow substituting two minor discharger inspections for one major discharger inspection when a major discharger has demonstrated long-term permit compliance or when it is otherwise deemed appropriate by DEQ. This approach will allow DEQ to inspect as many minor dischargers as possible and use staff time and travel resources efficiently by inspecting several facilities on a single trip to a geographic area.

IPDES staff has the discretion to conduct unannounced inspections, particularly in more accessible locations or where noncompliance is suspected. DEQ will generally announce its inspections especially in remote locations to ensure that the facility operator will be present, to secure overnight accommodations for staff, if necessary, and to confirm that seasonal processes will be operating. The inspection form will document if the inspection was unannounced or announced.

The inspector will use an inspection checklist to assist with all inspections of permitted facilities (i.e., municipal and industrial facilities, pretreatment, storm water, and aquaculture).

Upon completing a compliance inspection or complaint investigation, the IPDES inspector will draft a letter addressed to the permittee or unpermitted entity. This letter documents the reason

for the inspection or investigation and identifies any noncompliance issues and the corrective actions necessary to obtain compliance with CWA, Idaho statutes and rules, and/or IPDES permit conditions. The letter is reviewed and signed by the IPDES inspector's immediate supervisor. The types of the noncompliance letters a permittee may receive are explained in the *IPDES Enforcement Response Guide* (Appendix H).

Where a compliance evaluation warrants a formal enforcement action, regional office staff will consult CIE state office staff (compliance officers) to determine the appropriate enforcement action.

11.1.3 Inspection Types

The type of inspection conducted will depend on several factors, including, but not limited to, the complexity of the facility, volume and toxicity of the discharge, receiving water, and the facility's compliance history, including SNC and the number of single-event violations. DEQ will use standard report forms and methods to conduct an inspection.

Every completed inspection will conclude with an exit interview with the permittee to verbally identify areas of concern or noncompliance issues noted during the inspection. The exit interview will also serve to note any activities or actions the permittee should initiate immediately to reduce the risk to human health or the environment and to come into compliance with their permit conditions.

The types of comprehensive and noncomprehensive inspections DEQ will conduct are described in the CMS (Appendix G). Comprehensive inspection types satisfy the requirements of 40 CFR 123.26(b)(1).

DEQ will cross-train staff of other divisions (e.g., Waste Management and Remediation) and other state agencies (e.g., ISDA) to provide enough knowledge to identify illegal discharges, problems, or violations when at a facility conducting other business. IPDES inspections conducted by non-DEQ staff will be performed by properly trained DEQ-certified inspectors. The cross-trained staff will report all findings to the IPDES Program. IPDES staff may accompany the cross-trained staff on inspections. On behalf of DEQ or at DEQ's request, cross-trained staff may conduct a follow-up inspection to verify that a previously identified noncompliance issue has been addressed. More information on the specific training requirements for each of the various programmatic sections is found in the capacity building plan (DEQ 2015a) (Appendix B).

11.2 Assistance

DEQ will provide compliance assistance to the regulated community. Compliance assistance includes any activity not considered part of a formal enforcement action and is designed to help a permittee achieve or remain in compliance with environmental regulatory requirements. Compliance assistance will be exercised as a proactive tool to help a permittee before a noncompliance event necessitates formal enforcement action. DEQ will attempt to resolve potential compliance issues early on during the permit development process. Compliance assistance may be offered after the permit is issued but is not a waiver of DEQ's enforcement authority or right of obligation to pursue other responses to noncompliance.

As a valuable resource to the regulated community, the IPDES inspector will determine whether an activity or discharger is complying with state water quality standards and IPDES Program requirements. All technical assistance will be provided by DEQ staff not directly responsible for IPDES compliance and enforcement activities.

Compliance assistance includes the following activities and tools to provide clear and consistent information:

- Helping the regulated community understand and meet its obligations under environmental regulations
- Helping a permittee understand changes in or conditions of a permit
- Assisting the owner/operator identify and reduce or eliminate pollution sources
- Assisting others who aid the regulated community in complying with environmental regulations as outlined in the national program manager guidance (EPA 2015).

Additional compliance assistance activities or tools to improve compliance rates may include the following:

1. Web links—On DEQ’s web pages, post links to tools such as compliance assistance centers and web-based support sites such as business.gov. Users can search for materials on regulations, pollution prevention opportunities, and voluntary programs created by EPA and other regulatory agencies.
2. File review—Conduct a DEQ office facility file review and inform the facility regarding the physical equipment or processes and reports and/or records that need to be maintained, as well as a general idea of what the required documents should contain to ensure compliance.
3. Workshops—IPDES Program staff will participate in or conduct workshops for industry or assist in developing compliance assistance materials presented at non-DEQ workshops.
4. Conferences—IPDES Program staff will attend and present at conferences to provide information, including prepared guidance, manuals, and technology transfer documents.
5. Newsletters—Publish newsletters or information guides.
6. IPDES Online Blog and Discussion Forums—IPDES Program staff will develop a web page on DEQ’s website to provide updates and notifications of current events. Additionally, an online forum will provide DEQ, citizens, and the regulated community an opportunity to discuss issues related to permitting and compliance.
7. Social Media and YouTube—Use social media sites (e.g., Facebook, Twitter) and YouTube to inform citizens and the regulated community of IPDES Program requirements or initiatives.
8. Pollution Prevention—DEQ will educate and inform to encourage pollution prevention at municipal and industrial facilities during a routine inspection, as resources and opportunities allow. DEQ will consult EPA’s *NPDES Compliance Inspection Manual* (EPA 2004b) and associated references for guidance.
9. Operator Training and Certification Program—The Idaho Bureau of Occupational Licenses (IBOL) will continue to administer examinations and certify wastewater system operators. DEQ collaborates with IBOL in developing training programs. Currently the DEQ Water Quality division’s Wastewater Program provides training for wastewater operators. Training materials are available to operators through the IBOL website. IBOL

staff is available to answer questions and provide information about training opportunities.

In the CRIPS database, DEQ will maintain a list of unpermitted facilities identified through observations, visits to the community, complaints, or other sources that might have a regulated discharge and will work with the facility operator to determine the need for a permit.

11.3 Incentives

DEQ may provide incentives to ensure compliance before applying a formal enforcement action, which that may take longer to affect an environmental outcome. DEQ may develop an incentives policy for the regulated community to promptly resolve environmental problems and expeditiously come into compliance through self-assessment, disclosure, and violation corrections.

In addition, DEQ has discretion to reduce ambient water quality monitoring as an incentive for a facility that has an excellent permit compliance record and history of meeting all of its ambient water quality criteria limits for a defensible period of time. DEQ will consult EPA's *Interim Guidance for Performance-Based Reduction of NPDES Permit Monitoring Frequencies* (EPA 1996c) when evaluating this option. As with compliance assistance, DEQ may provide compliance incentives, but the incentive is not a waiver of DEQ's authority, right, or obligation, nor does it prohibit DEQ from pursuing more formal enforcement, as necessary.

12 Enforcement (40 CFR 123.27)

DEQ's goal is for facilities to be in compliance with all requirements at all times while recognizing that facility operators desire to be in compliance. DEQ's permitting and compliance programs are designed to help achieve compliance through prompt, efficient, and cost-effective means. DEQ will contribute to an operator achieving and maintaining compliance by issuing a clear permit with valid and understandable conditions based on state law, as well as immediate contact with permittees when noncompliance is discovered.

Where violations of the IPDES Program, IPDES permit conditions, or water quality standards are identified, DEQ will respond with the appropriate administrative or civil enforcement action in a timely and impartial manner. DEQ will pursue criminal violations that threaten human health and the environment or that undermine the integrity of environmental protection programs. DEQ retains its discretion to collect any economic benefit that may have been realized as a result of noncompliance; all monies collected as part of a settlement or misdemeanor conviction will be forwarded to the State's General Fund. Per Idaho Code §39-108(4), no civil or administrative proceeding will be brought to recover for a violation more than 2 years after DEQ had knowledge or reasonably should have had knowledge of the violation.

12.1 Determining Appropriate Action Procedures

DEQ will consult EPA's *Enforcement Management System: National Pollutant Discharge Elimination System* (EPA 1989f) and DEQ's *IPDES Enforcement Response Guide* (Appendix H)

to determine the most appropriate enforcement response. DEQ's *Enforcement Procedures Manual* (DEQ 1999) will also be used for IPDES enforcement actions to ensure consistent use of enforcement terms and templates throughout the Water Quality Division. Regional and state office IPDES staff will initiate enforcement response actions in consultation with the AG's Office for all formal enforcement actions as defined in the *IPDES Enforcement Response Guide* (Appendix H).

DEQ intends to resolve compliance problems quickly and at the lowest appropriate level to avoid serious or prolonged violations. DEQ's approach will be an escalating response to noncompliance where actions will be fair, consistent and in proportion to the nature of the violation. For example, first-time violators that do not cause known harm to human health or the environment will be given an opportunity to rectify the situation. DEQ is prepared to pursue formal civil or criminal action for willful, repeat, and the most egregious violations.

Informal enforcement provides the permittee an opportunity to achieve compliance without penalty within a specified timeframe. Informal enforcement may take the form of compliance assistance or noncompliance letters (i.e., notice of noncompliance, notice of deficiency, notice of intent to enforce). Formal enforcement may be undertaken by administrative actions (i.e., notice of violation, compliance agreement schedule, or consent order), civil remedies (i.e., civil suit, temporary restraining order/preliminary injunction), or criminal remedies. See the *IPDES Enforcement Response Guide* (Appendix H) for a description of the various formal and informal enforcement tools.

12.2 Administrative Actions

DEQ's administrative actions will consist of enforcement tools that may be executed by DEQ outside of the judicial system. Administrative actions usually require the violator to agree to undertake actions to correct the noncompliance, and in the case of a consent order or notice of violation (NOV), to pay a stipulated penalty. DEQ may also pursue recovery of agency costs (i.e., any expense incurred through enforcement, including terminating any nuisance or source of environmental degradation that cause sickness or a health hazard). The CRIPS database, along with procedures outlined in DEQ's *Enforcement Procedures Manual* (DEQ 1999) provide methods to ensure proper tracking and efficient follow up to avoid unnecessary delays in responding to a permittee's requirement to achieve compliance. As further described in the *IPDES Enforcement Response Guide* (Appendix H), formal administrative actions include NOV, compliance agreement schedule, and consent order. A more detailed description of each enforcement tool is included in the *DEQ Enforcement Procedures Manual* (DEQ 1999) and the *IPDES Enforcement Response Guide* (Appendix H).

Idaho Code §39-108, documents various administrative actions that the agency can take including notices of violation (NOV). The NOV documents the alleged violation, specifies the provisions of the act, rule, regulation, permit or order which has been violated, and states the amount of civil penalty claimed for each violation. There is no requirement to issue an NOV every time a violation is observed. An NOV is not an order. The NOV must include an opportunity to confer with DEQ, within 20 days of receiving the notice, unless a later date is agreed to; this compliance conference will provide the violator an opportunity to explain the circumstances of the alleged violation and propose a remedy for returning to compliance. The

NOV may require a written response within 15 days. NOV's may precede other formal administrative or civil/judicial enforcement actions and may include a civil penalty. An NOV is not required before filing a civil enforcement action. If a NOV is issued, however, a civil action may not be filed until the recipient has been afforded an opportunity for a compliance conference and to enter into a consent order.

Idaho Code §39-116A authorizes DEQ to issue a compliance agreement schedule for no more than 10 years. The compliance agreement schedule identifies and establishes appropriate acts and time schedules for interim actions. Cooperation from the affected party will be solicited and is an agreed upon outcome between DEQ and a regulated entity.

Under Idaho Code §39-116A, DEQ will take into account the following when granting a compliance agreement schedule (CAS):

- Protection of public health
- Protection of environment
- Ability of the person to pay for costs of compliance
- Current fiscal obligations of the person
- Other factors as determined by the department or the board

If compliance cannot be achieved within 1 year, Idaho Code §39-116A requires a schedule of annual meetings to assist DEQ with determining whether the schedule and agreement is still appropriate. If a permittee has an active administrative action (e.g., compliance agreement schedule) at the time of permit renewal, DEQ will consider incorporating some or all of those agreements into the permit's compliance schedule where circumstances allow.

DEQ may include monitoring, sampling, and reporting provisions in consent orders under Idaho Code §39-108 or in a compliance schedule agreement entered into with a permittee or facility per Idaho Code §39-116A. DEQ has the authority to impose an order unilaterally or by consent. DEQ may seek a search warrant under Idaho Code §39-108 to obtain information regarding a suspected violation of the IPDES Program requirements. In addition, if a person fails to provide information required to be produced under the IPDES rules, DEQ may seek an order in a civil action that requires producing the information and penalties for the failure to comply with the requirements of the IPDES rule.

Formal enforcement actions (NOV, compliance schedule order, CAS, and consent orders) will be signed by DEQ according to the most current delegation of authority. More detailed information on the types of enforcement actions are found in the *IPDES Enforcement Response Guide* (Appendix H).

When DEQ identifies potential noncompliance by a permittee that has had few or no previous violations during the previous 12 months, DEQ may use enforcement tools that are less formal and may contact the permittee by telephone or site visit, or may send a noncompliance letter (e.g., Notice of Deficiency or NOI to enforce), depending on the circumstances. These informal responses will provide an opportunity to rectify the situation for violators that have not caused known harm to human health or the environment. The *IPDES Enforcement Response Guide* (Appendix H) will be used to determine the most appropriate enforcement response. If the permittee is a repeat violator or the violations warrant a more elevated response, the most appropriate formal enforcement action will be determined through consultation with IPDES CIE

staff and the AG's Office. At a minimum, the permittee will be sent a NOV to initiate the formal enforcement response. Issuing a NOV does not preclude DEQ from pursuing additional actions.

DEQ is committed to responding in a timely manner to every known noncompliance event within the IPDES program. DEQ will determine whether to respond to noncompliance events with formal or informal administrative enforcement based on the magnitude, frequency, and duration of a noncompliance event. Significant noncompliance events, those resulting in known harm to public health or the environment (e.g., nuisance conditions, public health and/or safety threat, loss of beneficial use), will always begin at the formal enforcement level. Noncompliance events not deemed significant will typically begin at the informal enforcement level. However, DEQ will initiate informal enforcement at the highest level of informal enforcement or to begin with formal enforcement in lieu of informal enforcement depending on the specifics of individual cases.

12.3 Civil and Criminal Actions

DEQ has developed an enforcement process to ensure the statute of limitations for administrative, civil, and criminal proceedings under Idaho Code is met. DEQ is not required to exhaust administrative enforcement actions prior to proceeding with a civil or criminal enforcement case. If DEQ, in consultation with the AG's Office, decides to proceed immediately to civil or criminal actions, DEQ staff will complete a referral package for the AG's Office containing pertinent documentation and information. Once the referral is in their possession, the AG's Office may file the civil or criminal case within a matter of weeks. This streamlined process allows DEQ to operate successfully within the statute of limitations provided by Idaho Code. However, it is DEQ's policy and preference to provide IPDES violators the opportunity to come back in to compliance through informal and formal administrative enforcement actions if timelines allow this opportunity.

DEQ will use civil judicial and criminal actions to address noncompliance with the IPDES Program when appropriate. DEQ will refer potential civil judicial and criminal cases to the AG's Office, as these remedies all involve filing an action in court. Types of civil judicial actions DEQ can pursue include civil suits for injunctive relief, including immediate injunctive relief (e.g., preliminary injunctions and temporary restraining orders) and permanent injunctions, civil penalties, costs, and expenses (Idaho Code §39-108(3), (5), (6), and (8)).

DEQ may bring civil or administrative proceedings against a party up to two years after DEQ has knowledge or ought reasonably to have known of the violation (Idaho Code 39-108).

Idaho Code §39-117 defines the actions that constitute criminal violations and the limitations of monetary penalties (section 12.4). Any person who willfully or negligently violates an IPDES standard or limitation, permit condition or filing requirement is guilty of a misdemeanor per Idaho Code §39-117. Per Idaho Code 19-403 prosecution for any misdemeanor must be commenced by the filing of a complaint or the finding of an indictment within one year after its occurrence.

A criminal penalty will be proposed by the AG as recommended by DEQ and assessed by the court. Proposed criminal remedies will be designed to punish (i.e., monetary penalty) and are reserved for willful and negligent violations as well as knowingly made false statements. Cases

qualifying for potential criminal prosecution may be referred to EPA's Criminal Investigation Division and United States Attorney's Office.

The decision to pursue criminal or civil proceedings by Idaho or refer to EPA's Criminal Investigations Division will be made by the DEQ director in consultation with the AG's Office, division administrator, enforcement coordinator, regional administrator, and regional manager. Section 6 of DEQ's *Enforcement Procedures Manual* (DEQ 1999) includes procedures on pursuing criminal enforcement and is included here for reference as appendix I.

DEQ's RCRA and Drinking Water programs are both EPA delegated programs operating under the same statute of limitations for pursuing civil and criminal actions. The IPDES program has consulted with the enforcement coordinators for these programs during the development of the proposed civil and criminal action processes. DEQ has successfully prosecuted civil and criminal cases within Idaho's statute of limitations for these programs, and therefore, DEQ will be able to take needed civil or criminal enforcement related to the IPDES program as well.

12.4 Penalties

Idaho Code §39-108(5) and §39-117(3) provide the authority to assess monetary penalties for violating the requirements of the IPDES Program or conditions of an IPDES permit. Such penalties may be assessed by DEQ (administrative penalty) or through the court system by the AG's Office (civil and criminal penalties). DEQ or the AG's Office can seek the following:

- A civil penalty for violating an IPDES permit condition, filing requirement, monitoring and reporting requirement, or any other requirement of the IPDES Program (e.g., unpermitted discharges)
- A criminal penalty against any person who knowingly makes any false statement, representation, or certification in any IPDES form, in any notice or report required by an IPDES permit, or who knowingly renders inaccurate any monitoring device or method required to be maintained
- A criminal penalty for any person who willfully or negligently violates any Idaho NPDES standard or limit, permit condition, or filing requirement

Before going to court to recover a penalty, and with the assistance of the AG's Office, DEQ will complete the following:

- Communicate to the permittee the alleged noncompliance.
- Provide documentation outlining the noncompliance issue.
- May offer the opportunity to meet with the responsible party to discuss a settlement (e.g., CAS), notwithstanding DEQ's right to continue to seek a court-ordered penalty.

The AG's Office will ensure consistent responses to similar violations. Depending on several factors, including the monetary amount at stake and potential policy implications, the AG's Office will consult with IPDES Program staff and the Water Quality Division administrator.

12.4.1 Supplemental Environmental Projects

DEQ may use supplemental environment projects to partially offset monetary penalties (Idaho Code §39-108(5)(b)). In doing so, DEQ will consult DEQ's *Policy Statement on Supplemental*

Environmental Projects (DEQ 2015c). A supplemental environmental project is an environmentally beneficial project that the person is not otherwise required to perform and prevents pollution, reduces the amount of pollutants reaching the environment, contributes to public awareness of environmental matters, or enhances the quality of the environment. In evaluating a particular supplemental environmental project proposal, preference may be given to those projects with an environmental benefit that relate to the violation or the objectives of the underlying statute that was violated or that enhances the quality of the environment in the general geographic location where the violation occurred.

12.4.2 Calculating a Penalty

DEQ's general approach to calculating a proposed penalty will be similar to EPA's and developed consistent with the *Interim Clean Water Act Settlement Penalty Policy* (EPA 1995b).

In consultation with the AG's Office, IPDES staff will propose a penalty based on the economic benefit derived from noncompliance adjusted for gravity components and other adjustment factors.

Examples of gravity components that may be considered include the following:

- Significance of the violation
- Threat or harm to human health or the environment
- Number of violations
- Duration of noncompliance

12.4.3 Limits to Monetary Penalties

Idaho Code §39-108(5) and §39-175E provides the maximum monetary penalty liabilities for violating any IPDES rules, permits, requirements, or orders.

Civil penalty amounts related to the IPDES Program or IPDES permit conditions are not to exceed \$10,000 per violation or \$5,000 for each day of a continuing violation, whichever is greater.

In addition to such civil penalties, any person found in violation is liable for any expense incurred by the state in enforcing the act, or in enforcing or terminating any nuisance, source of environmental degradation, cause of sickness, or health hazard.

Idaho Code §39-117(3) and §39-175E provides the maximum monetary fine for any person who willfully or negligently violates any IPDES standard or limit, permit condition, or filing requirement. Upon conviction of a misdemeanor, the fined amount is not to exceed \$10,000 per violation or for each day of a continuing violation.

Idaho Code §39-117(3) also provides the maximum monetary fine for any person who knowingly makes any false statement, representation, or certification in any IPDES form, in any notice or report required by an IPDES permit, or who knowingly renders inaccurate any monitoring device or method required to be maintained. Upon conviction of a misdemeanor, the fined amount is not to exceed \$5,000 per violation or for each day of a continuing violation.

12.5 Reporting

DEQ will enter and store all noncompliance activities and enforcement actions in the CRIPS database for every IPDES facility (section 13). DEQ will enter data into CRIPS and into EPA's ICIS-NPDES (manually or batch transfer if available) so that the required reports will be produced from ICIS-NPDES on schedule and made available to the public according to 40 CFR 123.45.

DEQ will enter data into ICIS-NPDES that will then report on SNC permittees with monthly and nonmonthly effluent limit violations, noneffluent violations, and wet weather discharge violations. Examples of noneffluent violations include an unauthorized bypass, an unpermitted discharge, pass-through of pollutants, and failure to implement an approved pretreatment program. DEQ will consult the following EPA guidance:

- *Revision of NPDES Significant Noncompliance (SNC) Criteria to Address Violations of Nonmonthly Average Limits* (EPA 1995c)
- *EPA OECA Guidance on NPDES Wet Weather and CAFO Inspection Reporting Changes, Other NPDES Inspection Reporting Changes, and PCS Data Entry and Software Changes* (EPA 2006a)
- *Transmittal of Final Guidance on the Reporting of CWA NPDES Wet Weather and CAFO Inspections to PCS, Other Reporting Changes to PCS, and Changes to the 3560-3 Water Compliance Inspection Report Form, and EPA Responses to Comments Received on the Draft Guidance* (EPA 2006b)
- *Revisions to the Recently Issued Final Guidance on the Reporting of CWA NPDES Wet Weather and CAFO Inspections to PCS and Changes to 3560-3 Water Compliance Inspection Report Form* (EPA 2006c)

Additionally, IPDES Program staff will evaluate SNC for wet weather discharges by relying on the most current versions of EPA guidance:

- *Compliance and Enforcement Strategy Addressing Combined Sewer Overflows and Sanitary Sewer Overflows* (EPA 2000c)
- *Compliance and Enforcement National Priority: Clean Water Act, Wet Weather, Concentrated Animal Feeding Operations* (EPA 2004c)
- *Inspection Frequency Guidance for the Core Program and Wet Weather Sources* (EPA 2007a)
- *Interim Significant Noncompliance Policy for CWA Violations Associated with CSOs, SSOs, CAFOs, and Storm Water Point Sources (i.e. Interim Wet Weather SNC Policy)* (EPA 2007b)

12.6 Public Participation and Citizen Actions

Idaho Code §39-108(9) provides that in any civil or administrative enforcement proceeding related to the IPDES Program DEQ shall comply with the public participation requirements set forth in 40 CFR 123.27(d)(2). This requirement means (1) DEQ shall not oppose permissive intervention by any citizen in any civil court action; (2) DEQ will investigate citizen complaints consistent with 40 CFR 123.26(b)(4); and (3) DEQ will publish notice of and provide at least 30 days for public comment on any proposed settlement of a state enforcement action.

To further satisfy the requirements of 40 CFR 123.26(b)(4), a citizen complaint of an alleged or suspected violation of statute or regulation will be entered and tracked in DEQ's Complaint Tracker database. DEQ will accept anonymous complaints and may use the information to initiate an inquiry or investigation that could result in an enforcement action. Once DEQ's investigation has concluded (before an enforcement action settlement) and if the complainant requested feedback, DEQ will notify the complainant of the results.

The citizen suit provisions of CWA §505 allow citizens to commence a civil action against any person who is alleged to be in violation of an effluent standard or limit or an order issued by EPA or a state with respect to such a standard or limit. The citizen suit provisions allow citizens to sue a person in violation of a state-issued NPDES permit and therefore would be available with respect to a violation of IPDES permits (Parker v. Scrap Metal Processors, Inc. [2004]).

12.7 Pretreatment Program and Sewage Sludge (Biosolids)

The enforcement strategy for violations of Pretreatment and Sewage Sludge/Biosolids Program requirements will follow the general enforcement procedures for the IPDES Program and DEQ's *Enforcement Procedures Manual* (DEQ 1999). For pretreatment, DEQ will consult the following EPA guidance, in conjunction with the AG's Office, to calculate a proposed penalty: *Penalty Calculations for POTW Failure to Implement an Approved Pretreatment Program* (EPA 1988).

DEQ will initiate enforcement actions related to pretreatment against a POTW for failure to adequately enforce against its IUs. The POTW will ensure that it provides, at least annually, public notification of SNC in a newspaper of general circulation in the municipality where the POTW is located according to 40 CFR 403.8(f)(2)(viii). Where a POTW is not the control authority, DEQ will have enforcement procedures in place for categorical and significant noncategorical IUs. DEQ will use the same compliance procedures and enforcement responses as those for direct discharges.

DEQ will initiate enforcement actions against a sewage sludge facility (generator or preparer) for failure to meet the requirements of 40 CFR 503.2–503.48 using the same compliance procedures and enforcement responses as those for direct discharges.

All pretreatment and biosolids violations will be documented and entered into the IPDES CRIPS database for follow-up actions, including administrative and other enforcement actions. The regulated entity will be notified by letter of pending follow-up actions, including additional inspections or conferences, as necessary.

13 Data Management System

DEQ proposes to use electronic data management to administer and report on all aspects of the IPDES Program. As part of this, DEQ will provide information that allows EPA to determine whether DEQ is effectively implementing the IPDES rules, CWA, and associated regulatory requirements. The state's system will provide a reliable mechanism to ensure that IPDES-permitted dischargers submit permitting and compliance monitoring information to DEQ and that DEQ can efficiently determine compliance with permit limits and conditions. DEQ's data system will facilitate compliance tracking, and program management, through online permit

application/NOI filing; automated reissuance notification and online reissuance capability; online permit development; use of EPA's NetDMR submittal system; inspection process initiation and notification, and follow-up action tracking; and other functions.

The following descriptions are subject to additional implementation timelines (e.g., cross media electronic reporting rule [CROMERR]) that are outside IPDES Program control. The descriptions, however, represent DEQ's best estimate of the status of the various systems at NPDES program approval.

13.1 Compliance Reporting, Inspection, and Permitting System

The IPDES CRIPS database and online user interface will be the primary information system used to manage data for the IPDES Program. CRIPS will allow DEQ to compile, manage, and report IPDES Program permitting and compliance monitoring data. All department staff assigned to the IPDES Program will receive CRIPS user support, guidance, and training.

DEQ acquired the Permit and Reporting Information System (PARIS) database schema, designed and implemented by the State of Washington Department of Ecology; however, PARIS was not designed for electronic application/NOI submittal. As a result, DEQ has and will continue to modify data fields as needed to effectively implement CRIPS to meet specific data management needs of the IPDES Program and comply with the 2015 Electronic Reporting Rule and ICIS-NPDES data standards.

13.1.1 Permit Applications and Notices of Intent

DEQ's online permit application system will allow applicants to seek coverage under individual and general IPDES permits (including submitting NOIs under the storm water CGP and MSGP), seek individual permit reissuance and general permit reauthorizations, and submit other non-DMR reporting information (e.g., annual reports and noncompliance), NOTs, and other requests (e.g., waivers and variances). Permit applications and NOIs must be submitted electronically through the IPDES online interface, unless a waiver is granted. The online application system will include electronic signature and electronic payment capabilities, as well as updating information, and reducing the need for reentering previously completed application information. Alternatively, with a department-approved waiver, an applicant may submit a hard permit application or NOI.

Upon NPDES program approval, DEQ's electronic registration and identity, signature ceremony, and copy of record management will be compliant with the CROMERR standards published on October 13, 2005. DEQ intends to use the full package of EPA-supported Shared CROMERR Services tools, which is a less expensive and more efficient method of achieving CROMERR compliance for electronic reporting. Until CROMERR approval is obtained, DEQ will require a signed, hard copy of all applications and NOIs. DEQ will seek CROMERR approval concurrent with applying for NPDES program authorization to submit an IPDES application and other information.

13.1.2 Draft Permit Development

The IPDES internal online interface will allow IPDES personnel to electronically receive, review, and process permit applications and NOIs, NOTs, waivers, and variance requests. Once IPDES personnel have determined that a permit application is complete, they will develop a draft permit using the internal online interface. The interface will be developed to allow IPDES permit writers to develop draft permits from templates; coordinate draft permit peer review and approval; issue and record public notifications; and develop correspondence with the applicants, while maintaining document and data management control.

13.2 Inspections and Compliance Tracking

DEQ's information management system will be integrated into each step of permit application and development, compliance monitoring and enforcement, and EPA reporting processes.

EPA has been updating Idaho data in the ICIS-NPDES since the data were migrated from the Permit Compliance System in 2006. DEQ will ensure that all required data on IPDES permits are uploaded to ICIS-NPDES for EPA to generate the applicable reports.

13.2.1 Individual Permits

As identified in IDAPA 58.01.25, an existing discharger must submit a complete IPDES permit application no later than 180 days before permit expiration. CRIPS will help IPDES personnel identify necessary permit renewal schedules to provide advance notices of the application due date for expiring permits to be sent to existing dischargers. Additionally, permittees will be able to view their fee assessments through the IPDES online user interface and submit electronic payments through the AccessIdaho.org online portal.

CRIPS will be populated with application information submitted electronically by applicants via the IPDES online interface. Department staff will manually enter application and reporting information for those applicants that have received an electronic reporting waiver from DEQ. These circumstances should be rare, though, as the IPDES Program is striving for 100% compliance with electronic applications and reporting.

Information submitted as part of a permit application or reporting requirements will be stored in CRIPS and later used to help populate permit templates that include facility-specific information, such as contact information, facility design flows, outfall locations, and other reported information. DEQ will use the application and additional information obtained during the permitting process to establish permit requirements, including permit limits, submittal schedules, and annual reports. These permit requirements will be entered into CRIPS by DEQ personnel via the IPDES online interface.

13.2.2 General Permits

An applicant seeking coverage under an IPDES general permit must submit an NOI to DEQ. NOIs and other reporting information must be submitted electronically through the IPDES online interface unless DEQ grants a waiver. In this case, hard-copy submissions would be required. Department staff will manually enter NOI and reporting information for those applicants that

have received an electronic reporting waiver from DEQ. Additionally, permittees will be able to view their fee assessments through the IPDES online user interface and submit electronic payments through the AccessIdaho.org online portal.

Facility information and compliance history of a permittee operating under a general permit will be included in ICIS-NPDES reports.

13.3 DMR Submittals

Facilities covered under an individual or general permit will be required to submit DMRs using EPA's NetDMR according to the frequency of submittal identified in the permit. EPA and the permittees will be responsible for quality control checks to ensure data input accuracy and retain qualifiers on analytical results. EPA's electronic reporting rule requires that all NPDES-permitted facilities submit DMR data via NetDMR by December 21, 2016. As a result, IPDES permittees will have already been using NetDMR upon DEQ implementing the IPDES Program. DEQ will acquire data from NetDMR and/or ICIS-NPDES to effectively track IPDES permit compliance.

EPA and the permittees will be responsible for quality control checks to ensure data input accuracy and retain qualifiers on analytical results. After completing DMR entry, NetDMR pushes the data to ICIS-NPDES. DEQ intends to access NetDMR data by regularly pulling data from ICIS-NPDES through CDX to the CRIPS database. This process will be automated and established by DEQ. CRIPS will screen the DMR data for noncompliance with permit limits and monitoring requirements and will identify facilities that have not submitted DMRs in a timely manner.

Authorization under an IPDES individual or general permit will be tracked in CRIPS via DMR data flow from ICIS-NPDES. CRIPS will be used to track a permittee's compliance with a permit, including noncompliance with permit limits and conditions, inspection report results, compliance, and enforcement actions.

Although permittees must electronically submit DMRs directly to EPA's NetDMR, other reporting records (e.g., annual reports) must be submitted to DEQ, as specified in the permit. DEQ will then submit the appropriate data and records to ICIS-NPDES according to federal regulations.

13.4 ICIS-NPDES Data Exchange Flow

Upon IPDES Program approval and as permitting and compliance responsibilities transfer to DEQ as outlined in the MOA schedule (DEQ and EPA 2016), DEQ will be responsible for ensuring data are transferred to ICIS-NPDES for all IPDES-permitted facilities through an electronic data migration process. EPA will be responsible for ICIS-NPDES data for the facilities they retain permitting authority over, as outlined in the MOA schedule.

DEQ will coordinate with EPA in developing data migration processes where data entered into CRIPS are uploaded to ICIS-NPDES via EPA's Central Data Exchange (CDX) node and DEQ's eXtensible Markup Language (XML) network node. DEQ's XML network node adheres to the

Network Node Functional Specifications Version 2.1
(http://www.exchangenetwork.net/node/dev_toolbox/index.htm).

Data management experts will develop and implement DEQ's current XML network node through a contract in 2016–2017. Data in CRIPS will be extracted using SQL queries and loaded into an SQL staging database with native XML format. XML network node version 2.1, follows standard exchange network practices according to the Pacific Northwest Water Quality Data Exchange, Trading Partner Agreement (December 28, 2004) (http://www.ecy.wa.gov/pnwdx/pnwdx_main.htm) and developed in agreement with EPA regarding the specifics of the data exchange (e.g., data pull or push and frequency).

The data migration processes will include pushing permit and facility data to ICIS-NPDES (e.g., permit number; address; effective and expiration dates; contact information; outfall number, description, and location; permit limits; inspection dates; enforcement actions; and compliance schedules) and pulling monitoring and compliance data from ICIS-NPDES that was transferred from NetDMR.

13.5 Initial Data Migration and Business Practice Development

As discussed in section 13.4, the ICIS-NPDES exchange network data flow is available for state partners with NPDES program authorization to submit their data to EPA's ICIS-NPDES system electronically. The ICIS-NPDES exchange network data flow accepts XML files containing NPDES data for permit, inspection, enforcement; DMR; and special regulatory program report data. DEQ's IPDES and IT personnel, and data management contractor will work with EPA to perform the data mapping necessary for the successful data exchanges.

DEQ recognizes that the utility of CRIPS is directly related to the quality of the data. One of DEQ's major goals in developing and implementing CRIPS is to populate the system with accurate data and provide for future entry of clean, consistent data. DEQ will pull data from historical DEQ facility data systems to populate CRIPS and add data from ICIS-NPDES for facilities not included in DEQ data. DEQ is aware of potential inconsistencies in the data for the same facilities between DEQ data systems and ICIS-NPDES. Therefore, during CRIPS implementation, DEQ will work to identify and reconcile inconsistent data between the systems. DEQ will work closely with EPA to verify facility- and permit-specific information to address data gaps before incorporating the information into CRIPS and updating data in ICIS-NPDES.

13.6 Data Quality Assurance

13.6.1 Data Entry Requirements

DEQ has reviewed the 2015 Electronic Reporting Rule and will comply with the data management requirements. DEQ will upload/enter all required data into CRIPS, as well as other nonrequired data. All required and applicable IPDES data will be transferred into ICIS-NPDES.

Any hard-copy data will be manually entered by IPDES personnel into CRIPS and sent to ICIS-NPDES within 30 days of receipt. The data entry will follow the quality control procedures

developed during the data reconciliation to meet or exceed the criteria for timeliness, accuracy, completeness, and consistency identified in the Electronic Reporting Rule.

Upon data migration to ICIS-NPDES, the data in CRIPS will have been subjected to the same kind and level of data quality practices and review as data entered directly to ICIS-NPDES. In addition, the IPDES data management coordinator will review exception and error reports generated by ICIS-NPDES, after data migration, and will address erroneous data in ICIS-NPDES and CRIPS, and correct any actions or processes that led to the data errors.

13.6.2 Administrative Record and Data Management

Information and documents used to develop the permit and fact sheet that make up the administrative record will be stored in the CRIPS database and DEQ's servers, or in DEQ's document management system (TRIM). This information will be searchable and viewable by the public through the IPDES online interface.

The IPDES Program will work with DEQ personnel, EPA, and contractors having ICIS-NPDES and DMR data expertise to establish business management and quality control practices to ensure the quality of data and to provide for efficient, accurate, and complete data entry into CRIPS that complies with EPA data requirements. These practices will be incorporated into the CRIPS standard operating procedures, data management manuals, and training for IPDES personnel (to be developed in 2017). DEQ will periodically conduct data audits of the information in CRIPS, make corrections, and refine the business practices, as necessary.

DEQ will maintain electronic copies of all permit applications, permits, fact sheets, public notices, facility/DEQ correspondence, inspection reports, compliance orders and enforcement actions, and other permit-related documentation. These electronic files will be available to the public for viewing and downloading through the IPDES online interface except for any confidential information, which will be filed separately. The IPDES document management system is in the early stages of development but will be integral to the full implementation CRIPS.

13.6.3 Schedule

DEQ will continue to plan and develop CRIPS in preparation for developing, issuing, and monitoring permits. DEQ intends to have CRIPS and the IPDES online interface functional by the time DEQ begins developing and issuing its first IPDES permits in July 2018.

14 Capacity Development

DEQ developed an IPDES capacity building plan (DEQ 2015a) (Appendix B) to identify staffing components, including hiring, recruitment and retention, onboarding, training and professional development, and guidance. The plan will help successfully phase-in the IPDES Program and implement the program at full build-out. This capacity building plan provides planning and performance information to EPA and DEQ personnel and provides IPDES personnel access to a comprehensive strategy that outlines the resources necessary to become fully proficient in their roles.

The capacity building plan documents specific training courses required for IPDES personnel to fulfill their respective job duties. It also outlines additional training strategies to ensure successful implementation of all IPDES Program components including, data management, developing individual and general permits (storm water, pretreatment, and sewage sludge), and CIE activities. Additional training opportunities include on-the-job training from experienced EPA, DEQ, or other NPDES state personnel; working under the PPA with EPA; job shadowing and mentoring with experienced EPA and DEQ personnel; and jointly participating in CIE activities with EPA.

DEQ will continually develop personnel knowledge, skills, experience, and available resources to fully implement the IPDES Program before and after DEQ receives NPDES authorization. By December 31 of each year, DEQ will prepare a capacity building summary for the period of July 1 through June 30 until DEQ has received full NPDES authorization (currently projected 2021). The annual capacity building summary will document program efforts, such as permits drafted by IPDES personnel, compliance and enforcement activities undertaken, DEQ-EPA partnership agreements, and personnel training. The summary will also identify recommended changes to the capacity building plan for the coming fiscal year. These proposed changes will depend on current and projected staffing, workload, resources, new information, and lessons learned. The changes will be aimed at continually adapting and improving the IPDES Program to accommodate new program opportunities and existing program challenges.

15 References

- DEQ (Idaho Department of Environmental Quality). 1999. *Enforcement Procedures Manual*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2012. *Idaho Antidegradation Implementation Guidance (Draft)*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2015a. *Capacity Building Plan for the Idaho Pollutant Discharge Elimination System Program*. Boise, ID.
- DEQ (Idaho Department of Environmental Quality). 2015b. *Idaho Pollutant Discharge Elimination System Program Analysis*. Boise, ID: DEQ.
deq.idaho.gov/media/1118571/58-0125-1401-ipdes-program-analysis.pdf.
- DEQ (Idaho Department of Environmental Quality). 2015c. *Policy Statement on Supplemental Environmental Projects*. PS15-05. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2015d. *Idaho Pollutant Discharge Elimination System Discussion Paper #5 Fee Schedules*. Boise, ID: DEQ.
deq.idaho.gov/media/60167454/58-0125-1401-ipdes-discussion-paper5.pdf.
- DEQ (Idaho Department of Environmental Quality). 2016a. *Continuing Planning Process (Draft)*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2016b. *Idaho Mixing Zone Implementation Guidance (Draft)*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2016c. *IPDES Compliance Monitoring Strategy*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2016d. *IPDES Enforcement Response Guide*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2016e. *Idaho Pollution Discharge Elimination System Designation Criteria and Selection Process for Small Municipal Separate Storm Sewer Systems*. Boise, ID: DEQ.
- DEQ and EPA (Idaho Department of Environmental Quality and US Environmental Protection Agency). 2016. *National Pollutant Discharge Elimination System (NPDES) Memorandum of Agreement (MOA) Between the State of Idaho Department of Environmental Quality and U.S. Environmental Protection Agency, Region 10*. Boise, ID: DEQ and EPA.
- EPA (US Environmental Protection Agency). 1983a. *Representative Sampling in NPDES Permits*. Memorandum. Washington, DC: EPA, Office of Water.

- EPA (US Environmental Protection Agency). 1983b. *Procedures for Processing Fundamentally Different Factor Variances* Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1983c. *Procedures Manual for Reviewing a POTW Pretreatment Program Submission*. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1984. *Policy for the Development of Water Quality-Based Permit Limitations for Toxic Pollutants*. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1985. *Guidance Manual for Preparation and Review of Removal Credit Applications*. Washington, DC: EPA, Permits Division, EPA-833-B-85-200.
- EPA (US Environmental Protection Agency). 1986a. *Pretreatment Compliance Monitoring and Enforcement Guidance*. Washington DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1987. *Permit Writer's Guide to Water Quality-Based Permitting for Toxic Pollutants*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1988. *Penalty Calculations for POTW Failure to Implement an Approved Pretreatment Program* Washington, DC: EPA, Office of Enforcement and Compliance Assistance.
- EPA (US Environmental Protection Agency). 1989a. *Interim Guidance on Implementation of Section 402(o) Anti-backsliding Rules for Water Quality-Based Permits*. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1989b. *Generalized Methodology for Conducting Industrial Toxicity Reduction Evaluations (TRES)*. Cincinnati, OH: EPA. EPA/600/2-88/070.
- EPA (US Environmental Protection Agency). 1989c. *FY 1990 Guidance for Reporting and Evaluating POTW Noncompliance with Pretreatment Implementation Requirements*. Washington DC. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1989d. *Industrial User Permitting Guidance Manual*. Washington, DC: EPA, Office of Water. EPA 833-B-89-100.
- EPA (US Environmental Protection Agency). 1989e. *POTW Sludge Sampling and Analysis Guidance Document*. Washington, DC: EPA, Office of Water. EPA 833-B-89-100.
- EPA (US Environmental Protection Agency). 1989f. *Enforcement Management System: National Pollutant Discharge Elimination System (Clean Water Act)* Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1991. *Technical Support Document for Water Quality-Based Toxics Control (TSD)*. Washington, DC: EPA, Office of Water.

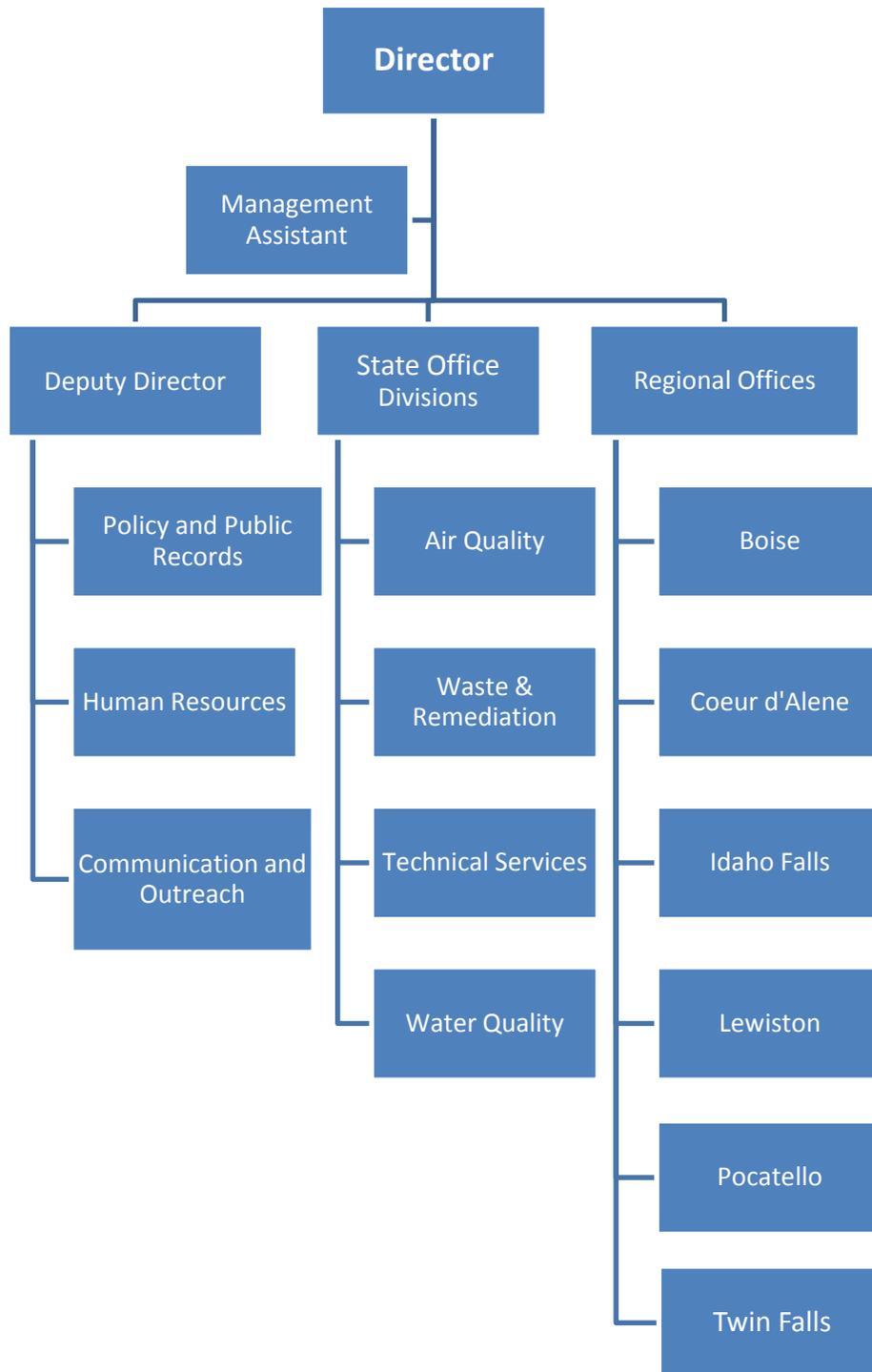
- EPA (US Environmental Protection Agency). 1992. *Control Authority Pretreatment Audit Checklist and Instructions*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1993a. *Technical Guidance on Interpretation and Implementation of Aquatic Life Metals Criteria*. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1993b. *Guidance Document on Dynamic Modeling and Translators*, Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1993c. *Guidance Document on Clean Analytical Techniques and Monitoring*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1993d. *Guidance Manual for Developing Best Management Practices (BMP)*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1993e. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. Washington, DC: EPA, Office of Water. EPA SW-846.
- EPA (US Environmental Protection Agency). 1994a. *Water Quality Standards Handbook: Second Edition*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1994b. *Interim Guidance on Determination and Use of Water-Effect Ratios for Metals*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1994c. *Whole Effluent Toxicity (WET) Control Policy*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1994d. *Industrial User Inspection and Sampling Manual for POTWs*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1994e. *A Plain English Guide to the EPA Part 503 Biosolids Rules*. Washington, DC: EPA, Office of Water. EPA-832-R-93-003.
- EPA (US Environmental Protection Agency). 1995a. *A Guide to the Biosolids Risk Assessments for the EPA Part 503 Rule*. Washington, DC: EPA, Office of Water. EPA832-B-93-005.
- EPA (US Environmental Protection Agency). 1995b. *Interim Clean Water Act Settlement Penalty Policy* Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1995c. *Revision of NPDES Significant Noncompliance (SNC) Criteria to Address Violations of Nonmonthly Average Limits*. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1996a. *The Metals Translator: Guidance for Calculating a Total Recoverable Permit Limit From a Dissolved Criterion*. Washington, DC: EPA, Office of Water. EPA 823-B-96-007.
- EPA (US Environmental Protection Agency). 1996b. *Interpretive Policy Memorandum on Reapplication Requirements for Municipal Separate Stormwater Sewer Systems (FRL-5533-7)*. Washington, DC: EPA, Office of Water. 61 FR 155. FRL-5533-7.

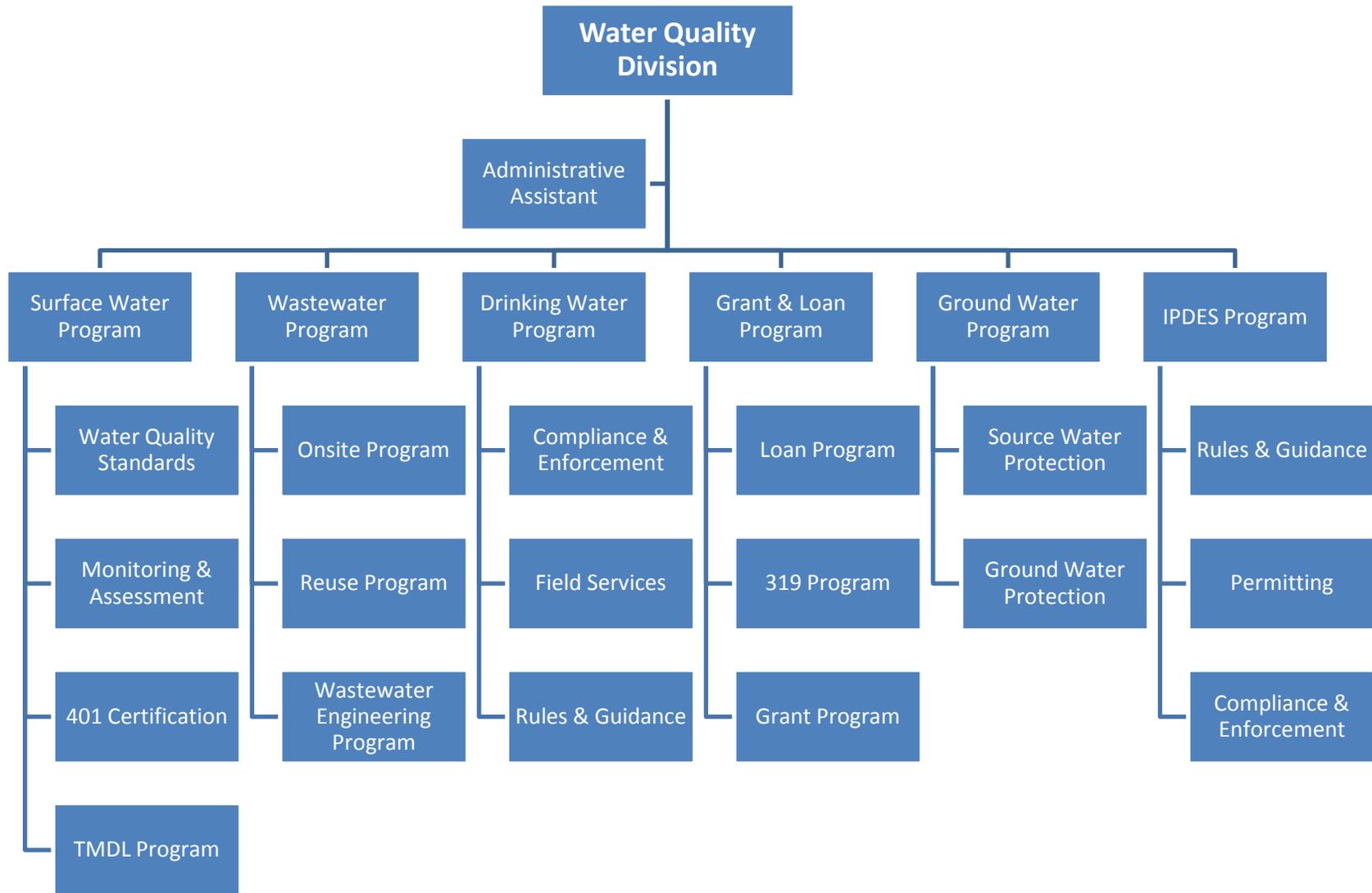
- EPA (US Environmental Protection Agency). 1996c. *Interim Guidance for Performance-Based Reduction of NPDES Permit Monitoring Frequencies*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1997a. *EPA / State Agency Agreement on Compliance Assurance Principles*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1997b. *Enforcement and Compliance Strategy*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1998. *Compliance Assurance Evaluation Principles*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1999a. *Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 1999b. *Biosolids Generation, Use, and Disposal in the United States*. Washington, DC: EPA, Office of Water. EPA530-R-99-009.
- EPA (US Environmental Protection Agency). 2000a. *Guide to Field Storage of Biosolids*. Washington, DC: EPA, Office of Water. EPA-832-B-00-007.
- EPA (US Environmental Protection Agency). 2000b. *Stormwater Phase II Final Rule: Conditional No Exposure Exclusion for Industrial Activity*. Washington, DC: EPA, Office of Water. EPA833-F-00-015.
- EPA (US Environmental Protection Agency). 2000c. *Compliance and Enforcement Strategy Addressing Combined Sewer Overflows and Sanitary Sewer Overflows*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 2001a. *Clarifications Regarding Toxicity Reduction and Identification Evaluations in National Pollutant Discharge Elimination System Program*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 2001b. *EPA Requirements for Quality Assurance Project Plans*. Washington, DC: EPA, Office of Water. EPA/QA/R-5.
- EPA (US Environmental Protection Agency). 2002a. *Guidelines Establishing Test Procedures for the Analysis of Pollutants; Whole Effluent Toxicity Test Methods*. Washington, DC: EPA, Office of Water. 67 FR 67 69951.
- EPA (US Environmental Protection Agency). 2002b. *Guidance for Quality Assurance Project Plans*. Washington, DC: EPA, Office of Water. EPA/QA/G-5.
- EPA (US Environmental Protection Agency). 2004a. *Local Limits Development Guidance*. Washington, DC: EPA, Office of Water. EPA-833-R-04-002A.
- EPA (US Environmental Protection Agency). 2004b. *NPDES Compliance Inspection Manual*. Washington, DC: EPA, Office of Water.

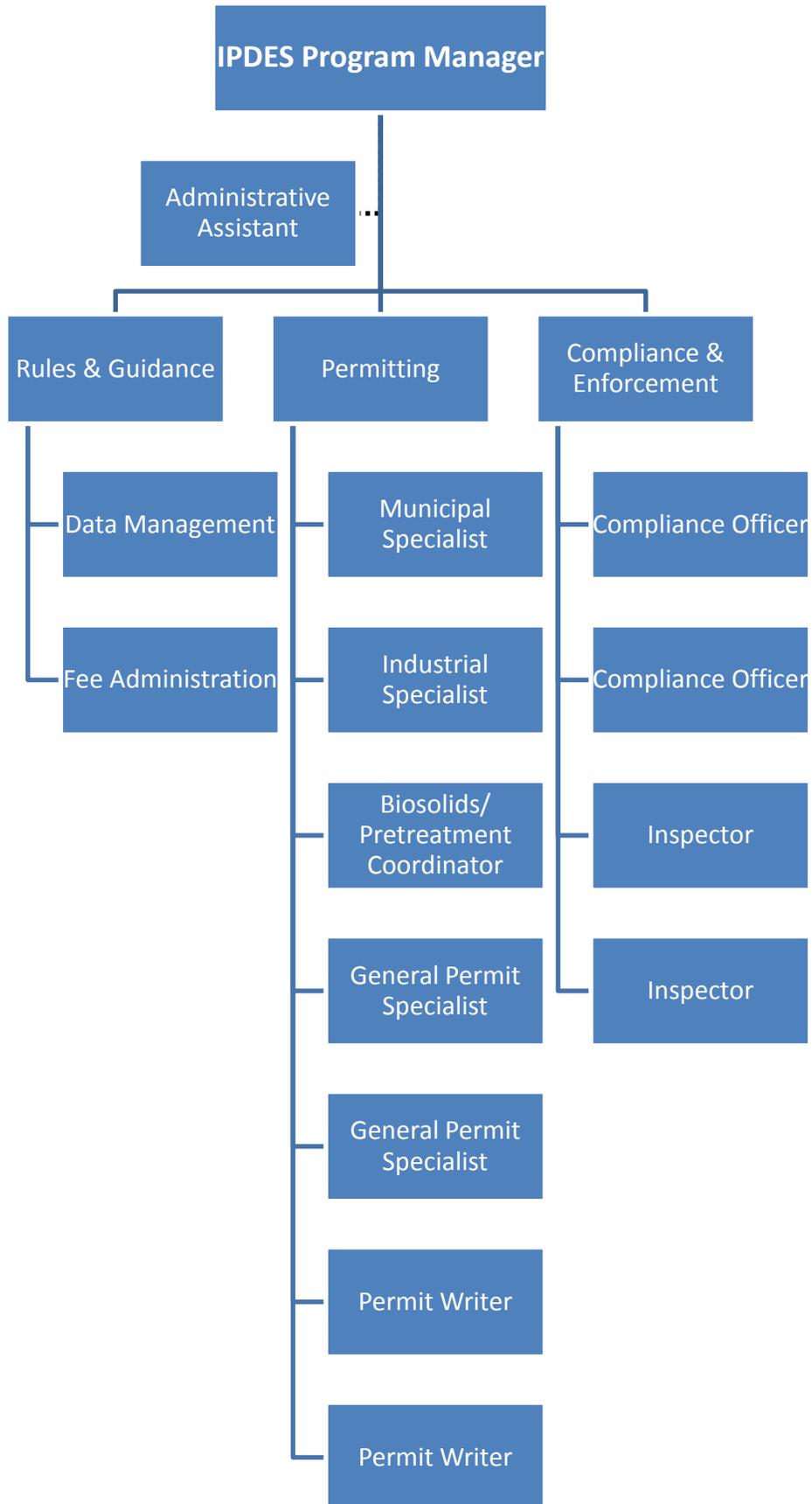
- EPA (US Environmental Protection Agency). 2004c. *Compliance and Enforcement National Priority: Clean Water Act, Wet Weather, Concentrated Animal Feeding Operations*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 2005. *Guidance on Water Quality-Based Effluent Limits Set Below Analytical Detection/Quantitation Limits*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 2006a. *EPA OECA Guidance on NPDES Wet Weather and CAFO Inspection Reporting Changes, Other NPDES Inspection Reporting Changes, and PCS Data Entry and Software Changes*. Washington, DC: EPA, Office of Enforcement and Compliance Assistance.
- EPA (US Environmental Protection Agency). 2006b. *Transmittal of Final Guidance on the Reporting of CWA NPDES Wet Weather and CAFO Inspections to PCS, Other Reporting Changes to PCS, and Changes to the 3560-3 Water Compliance Inspection Report Form, and EPA Responses to Comments Received on the Draft Guidance*. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 2006c. *Revisions to the Recently Issued Final Guidance on the Reporting of CWA NPDES Wet Weather and CAFO Inspections to PCS and Changes to 3560-3 Water Compliance Inspection Report Form*. Memorandum. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 2007a. *Inspection Frequency Guidance for the Core Program and Wet Weather Sources (draft)*. Washington, DC: EPA, Office of Water.
- EPA (US Environmental Protection Agency). 2007b. *Interim Significant Noncompliance Policy for CWA Violations Associated with CSOs, SSOs, CAFOs, and Storm Water Point Sources (i.e. Interim Wet Weather SNC Policy)*. Memorandum. Washington, DC: EPA, Office of Enforcement and Compliance Assistance.
- EPA (US Environmental Protection Agency). 2010. *NPDES Permit Writers' Manual*. Washington, DC: EPA, Office of Water. EPA-833-K-10-001.
- EPA (US Environmental Protection Agency). 2012. *NPDES Permit Writers' Manual for Concentrated Animal Feeding Operations*. Washington, DC: EPA, Office of Water. EPA 833-F-12-001.
- EPA (US Environmental Protection Agency). 2014. *NPDES Compliance Monitoring Strategy*. Memorandum. Washington, DC: EPA, Office of Enforcement and Compliance Assistance.
- EPA (US Environmental Protection Agency). 2015. *Office of Enforcement and Compliance Assurance National Program Manager Guidance*. Washington, DC: Office of Enforcement and Compliance.
- Parker v. Scrap Metal Processors, Inc. 2004. 386 F.3d 993. 11th Cir. 2004.

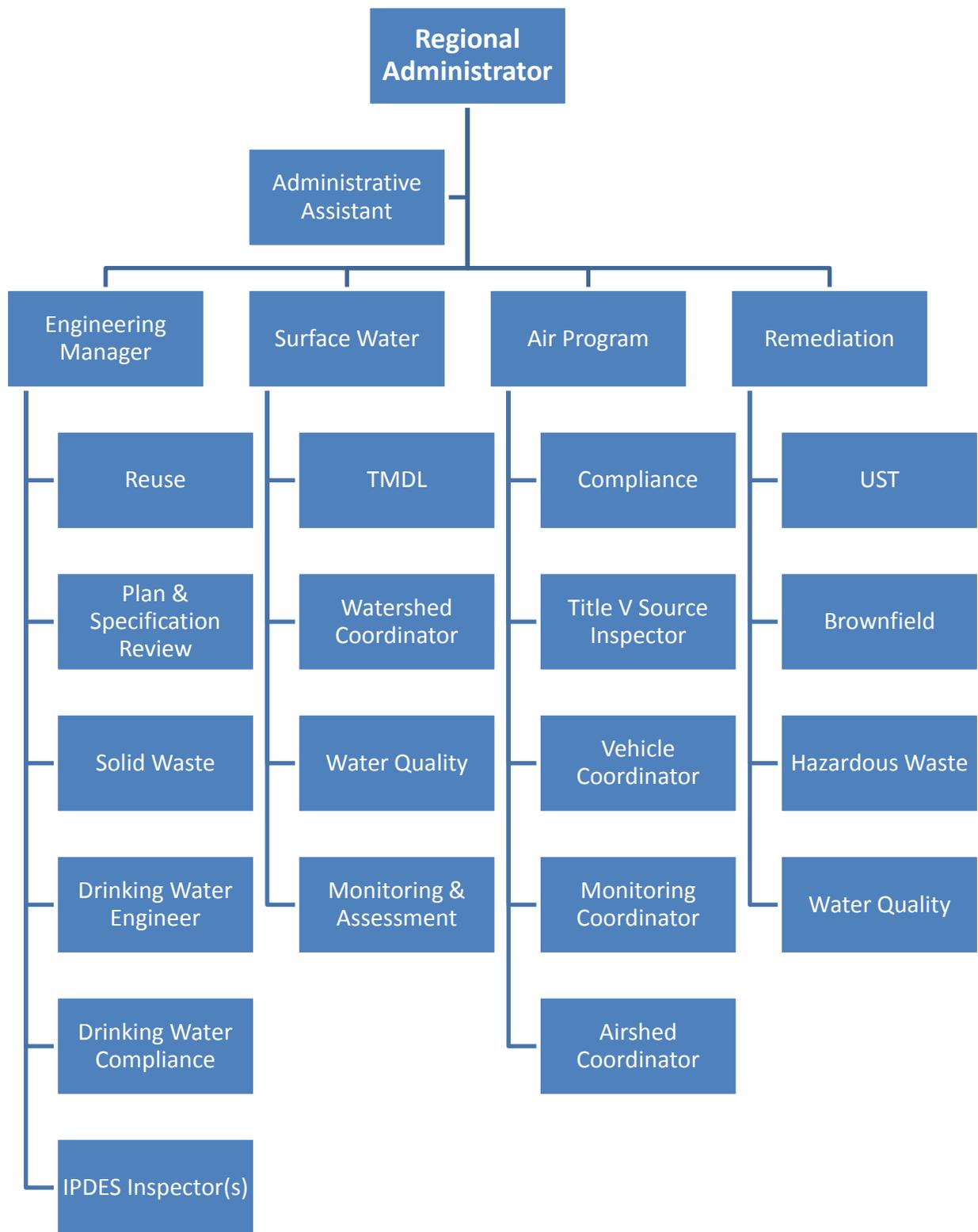
This page intentionally left blank for correct double-sided printing.

Appendix A. Organizational Charts









Appendix B. IPDES Capacity Building Plan

This page intentionally left blank for correct double-sided printing.

Idaho Pollutant Discharge Elimination System Program

Capacity Building Plan



**State of Idaho
Department of Environmental Quality**

September 2016



Printed on recycled paper, DEQ, September 2016,
PID IPGF, CA 82988. Costs associated with this
publication are available from the State of Idaho
Department of Environmental Quality in accordance
with Section 60-202, Idaho Code.

Table of Contents

Executive Summary	v
1 Introduction.....	1
1.1 IPDES Background	1
1.2 IPDES Capacity Building Plan Scope	1
1.3 IPDES Capacity Building Goals	1
2 IPDES Capacity Building Objectives	2
3 Staffing	3
4 Hiring, Recruitment and Retention, and Onboarding	5
4.1 Hiring Strategy	5
4.2 Recruitment and Retention Strategy.....	6
4.3 New Employee Onboarding	6
4.3.1 New Employee’s First Day.....	6
4.3.2 New Employee’s First Months	8
4.3.3 New Employee’s First 6 Months	8
5 Training and Professional Development	8
5.1 Training for all IPDES Personnel.....	8
5.2 Training for IPDES Supervisors.....	9
5.3 Training for IPDES Data Management Coordinator.....	9
5.4 Training for IPDES Permit Specialists.....	10
5.5 Training and Credentials for IPDES Compliance, Inspection, and Enforcement Specialists	11
5.5.1 CIE Training	12
5.5.2 CIE Credential and Renewal	13
5.5.3 Credential Tracking.....	14
5.6 Additional IPDES Program Training	14
5.7 On-the-Job Training	15
5.7.1 Agreements and Partnership Development	15
5.7.2 Developing IPDES Permits and Inspections	16
5.7.3 Personnel from NPDES-Authorized States	16
5.7.4 Job Shadowing and Mentoring	16
5.7.5 DEQ Training	17
5.7.6 Conferences and Workshops	17
5.7.7 Scientific, Professional, and Library Resources	18
6 Guidance, Standard Operating Procedures, Quality Assurance Project Plans, and Templates.....	18

7 Capacity Building Assessment	19
References.....	20
Appendix A. IPDES Organization Chart.....	23
Appendix B. Training for All IPDES Personnel.....	25
Appendix C. Training for IPDES Supervisors.....	27
Appendix D. Training for the IPDES Data Management Coordinator.....	28
Appendix E. Training for IPDES Permit Specialists	29
Appendix F. Training for IPDES CIE Specialists	33
Appendix G. EPA Order 3500.1 Program-Specific Training Requirements.....	37

List of Tables

Table 1. IPDES Program staffing projection with overview of fiscal year, number of FTEs to hire, cumulative FTEs in the program, and overall distribution of FTEs within the IPDES Program.	4
Table 2. IPDES Program staffing projection by organizational activity.	4
Table 3. IPDES Program staffing development by state fiscal year. Overview of FTEs and distribution among IPDES Program activities.	5

Executive Summary

In 2014, through House Bill 406 and Idaho Codes §39-175A–C, the Idaho Legislature directed the Idaho Department of Environmental Quality (DEQ) to seek delegation from the US Environmental Protection Agency (EPA) of the National Pollutant Discharge Elimination System (NPDES) Program and create the Idaho Pollutant Discharge Elimination System (IPDES) Program.

As part of the IPDES Program development and implementation, DEQ created this capacity building plan to identify staffing components, including hiring, recruitment and retention, onboarding, training and professional development, and guidance to successfully achieve the following:

- Phase-in the IPDES Program implementation.
- Implement the IPDES Program at full build-out.

Capacity building is defined in this plan as actions and activities that maximize or improve upon IPDES Program implementation. The goals for the IPDES capacity building plan include achieving the following program conditions:

- Program efficiency
- Program effectiveness
- Operational scale
- Leveraging resources

Measures of capacity building success for the IPDES Program focus on developing and using resources that will result in excellent customer service for IPDES users, including DEQ personnel, IPDES permittees, and Idaho citizens. Further, the capacity building plan will help DEQ continually expand personnel knowledge, skills, experience, and available resources to fully implement the IPDES Program before and after DEQ receives NPDES authorization.

The capacity building plan is intended to be a living document that will be updated on an annual basis and to provide planning and performance information to EPA and DEQ personnel in the IPDES Program, Water Quality Division, regional offices, and senior management. By December 31 of each year, DEQ will prepare a capacity building summary for the period of July 1 through June 30 until DEQ has received full NPDES authorization (currently projected as fiscal year 2022). The planning and performance summary information will address current and projected program conditions about data management, permitting, compliance, inspection, and enforcement and will outline the resources needed by IPDES personnel to become proficient and fully engaged in their roles.

This page intentionally left blank for correct double-sided printing.

1 Introduction

1.1 IPDES Background

The Idaho Department of Environmental Quality (DEQ) is a state department created by the Idaho Environmental Protection and Health Act (Idaho Code Title 39) to ensure clean air, water, and land in the state and protect Idaho citizens from the adverse health impacts of pollution. As a regulatory agency, DEQ enforces various state environmental regulations and administers a number of federal environmental protection laws including the Clean Air Act, Clean Water Act (CWA), and Resource Conservation and Recovery Act.

In 2014, through House Bill 406 and Idaho Codes §39-175A–C, the Idaho Legislature directed DEQ to seek delegation from the US Environmental Protection Agency (EPA) of the National Pollutant Discharge Elimination System (NPDES) Program and create the Idaho Pollutant Discharge Elimination System (IPDES) Program.

DEQ began staffing and building the IPDES Program in fiscal year (FY) 2015. The projected level of staffing and funding for the full IPDES Program is expected to require 29 full-time equivalents (FTEs) and \$3.03 million dollars annually (DEQ 2015a). IPDES program analysis and project planning documents, along with a forthcoming memorandum of agreement between DEQ and EPA, will further detail the IPDES Program implementation.

In 2012, Alaska was the most recent state to receive authority to administer an NPDES program. As part of the NPDES primacy process, but prior to receiving authority, they completed the Alaska Pollutant Discharge Elimination System (APDES) Capacity Building Plan (ADEC 2008).

1.2 IPDES Capacity Building Plan Scope

The IPDES capacity building plan is intended to be a living document that will be updated on an annual basis. This plan provides planning and performance information to EPA and DEQ personnel in the IPDES Program, Water Quality Division, regional offices, and senior management. The IPDES capacity building plan also provides data management, permitting, compliance, inspection, and enforcement (CIE) personnel access to a comprehensive document that outlines the resources necessary to help them become proficient and fully engaged in their roles.

1.3 IPDES Capacity Building Goals

DEQ developed this capacity building plan to identify staffing components, including hiring, recruitment and retention, onboarding, training and professional development, and guidance to successfully achieve the following:

- Phase-in the IPDES Program implementation.
- Implement the IPDES Program at full build-out.

This document defines capacity building as actions and activities that maximize or improve upon IPDES Program implementation. The goals for the IPDES capacity building plan identify the following intended conditions under which the IPDES Program will operate:

- **Program Efficiency:** Provide high-quality services to IPDES users to achieve desired outcomes in a timely manner.
- **Program Effectiveness:** Provide high-quality services to IPDES users to achieve a high rate of desired outcomes.
- **Operational Scale:** Provide expanded services to increasing numbers of IPDES users and populations.
- **Leveraging Resources:** Maximize the use of available resources and assets through capacity building activities that enhance the IPDES Program's ability to serve Idaho citizens.

Measures of capacity building success for the IPDES Program focus on developing and using important resources that will result in excellent customer service for IPDES users, including DEQ personnel, IPDES permittees, and Idaho citizens.

2 IPDES Capacity Building Objectives

The IPDES capacity building objectives are measureable and tangible actions that support attainment of the stated goals, and will help track how well the IPDES Program is meeting the overarching goals through time. It is expected that the IPDES capacity building plan will be updated annually to reflect the current and desired program implementation.

- **Staffing:** IPDES personnel will include 3 FTEs in program administration, 8 FTEs in permitting, 15 FTEs in CIE, and 3 FTE in legal administration and support.
- **Hiring, Recruitment and Retention, and Onboarding:** DEQ will use multiple strategies to develop and maintain the personnel and expertise necessary to implement the IPDES Program.
- **Training and Professional Development:** DEQ will ensure IPDES personnel have appropriate training opportunities to develop and maintain expertise in the IPDES Program. IPDES personnel will continue to expand program-related knowledge and expertise by participating in job-related training, on-the-job training, professional organizations, conferences and workshops, scientific literature, and mentoring.
 - **Data Management:** IPDES and Information Technology (IT) personnel will receive training and professional development necessary to create and maintain a high-quality data management system that will receive, store, and provide data related to IPDES permitting, inspection, and compliance.
 - **Permitting:** IPDES personnel will receive training and professional development necessary to review, draft, and issue permits for point sources regulated under the IPDES Program, which are consistent with IPDES rules and federal regulations.
 - **Compliance, Inspection, and Enforcement (CIE):** IPDES personnel will secure the necessary training, credentials, and experience for maintaining a highly competent program to identify potential noncompliance situations and activities, monitor existing noncompliance, and initiate timely, appropriate, and effective actions to help achieve and maintain compliance, and enact enforcement, when necessary.

- **Guidance, Standard Operating Procedures (SOPs), Quality Assurance Project Plans (QAPPs), and Templates:** IPDES personnel will coordinate with other DEQ personnel, EPA, NPDES-authorized states, local stakeholders, and consultants to develop guidance documents, SOPs, and templates necessary to implement all phases of the program.

Depending on each job and position description, IPDES personnel will be trained in data management, permitting, and CIE and will have collective expertise¹ in all facility types requiring IPDES permits, including but not limited to public and private municipal and industrial (including mining), silviculture, aquaculture, concentrated animal feeding operations, stormwater and other point source facilities and activities covered under individual and general permits. In addition to sector expertise, personnel may be designated to become in-house experts in writing, evaluating, and analyzing permits that address whole effluent toxicity (WET), pretreatment, mixing zones, and other training-intensive analyses.

Beginning in FY2016, DEQ may work with EPA and other NPDES-authorized states to provide direct training for personnel, temporarily share personnel, and participate in job shadowing and mentoring opportunities to provide practical NPDES permitting, compliance, inspection, enforcement, and program administration experience. IPDES personnel will complete the training required to obtain EPA-certified NPDES inspector credentials before Idaho receives full NPDES authorization. Upon receiving NPDES authority, the IPDES Program will then convert to a DEQ-issued credential system, which will be developed by the CIE lead with assistance from other IPDES, DEQ, and EPA personnel.

DEQ will also begin the process of developing an online permitting and reporting system as the primary information submittal and exchange mechanism for the IPDES Program, which will allow DEQ to efficiently and effectively compile, manage, and report on IPDES permitting and CIE activities. Once the online permitting and reporting system is developed, training IPDES personnel and external users to operate the system correctly will be a high priority. IPDES personnel will receive training individually and in groups, and user support guidance will be posted to DEQ's intranet, with periodic refresher courses made available. Data management staff must also have familiarity with EPA's Integrated Compliance Information System (ICIS)-NPDES database to ensure the required data are uploaded into EPA's database. For additional details, see the *IPDES Program Data Management Strategy* (DEQ 2015b).

3 Staffing

DEQ currently proposes to implement the IPDES Program in four phases, with the first phase beginning at the time of state authorization in FY2019 (July 2018) and full NPDES delegation occurring in FY2022 (July 2021). Most IPDES personnel are currently projected to be centralized at the DEQ State Office in Boise, but some personnel are also projected to be in the Coeur d'Alene, Lewiston, Boise, Twin Falls, Pocatello, and Idaho Falls Regional Offices. Table 1, Table 2, and Appendix A illustrate how the fully staffed IPDES Program personnel are projected to be distributed among the different job classes. Progressively filling the 29 FTEs and

¹ Expertise is defined as appropriate education, training, skills, and experience in a particular field to successfully perform work duties consistent with the state job classification and position description.

providing ongoing training and professional development will increase personnel expertise before and throughout the NPDES-authorization process.

Table 1. IPDES Program staffing projection with overview of fiscal year, number of FTEs to hire, cumulative FTEs in the program, and overall distribution of FTEs within the IPDES Program.

State Fiscal Year	FTEs to Hire	Cumulative FTEs ^a	Prg. Mgt. FTEs (Cumulative FTEs)	Permits FTEs (Cumulative FTEs)	CIE FTEs (Cumulative FTEs)	Legal, Admin & Support
2015	3	5	3	—	2	—
2016	3	8	2 (5)	1	—	—
2017	4	12	—	2 (3)	1 (3)	1 (1)
2018	10	22	—	4 (7)	4 (7)	2 ^a (3)
2019	4	26	—	—	4 (11)	—
2020	3	29	—	—	3 (14)	—
2021	0	29	—	—	—	—
Totals	29		5	7	14	3

a. DEQ currently has 12 certified National Pollutant Discharge System inspectors who work the equivalent of approximately 2 FTEs.

Notes: Full-time equivalent (FTE); program management (Prg. Mgt.); compliance, inspection, and enforcement (CIE)

Table 2. IPDES Program staffing projection by organizational activity.

Position Title	FTE	Activity Description
Program manager	1	IPDES Program administration and oversight
• Administrative assistant	1	IPDES clerical support and fee administration
• Permits lead	1	Permit coordination and administration
▪ Permit specialists	7	Develop individual permits and pretreatment, MSGP and CGP, MS4 general permit, and sector-specific general permits (i.e., pesticide, vessel, suction dredging, and aquaculture).
• CIE lead	1	CIE coordination and administration
▪ CIE specialists	14	Review DMRs, reporting requirements, annual reports, notifications, conduct facility inspections, BMP plans, facility QAPPs, provide compliance assistance, and initiate enforcement.
▪ Rules and guidance coordinator	1	Rules and guidance coordination and administration
▪ Data management coordinator	1	Manage the development and maintenance the IPDES data and reporting system in coordination with DEQ personnel, EPA and external users, and provide data management training to DEQ personnel and external users.
Deputy attorney general	1	IPDES legal support
Information technology specialist	1	IPDES web interface and data management support
Total	29	

Notes: Full-time equivalent (FTE); Idaho Pollutant Discharge Elimination System (IPDES); Multisector General Permit (MSGP); construction general permit (CGP); municipal separate storm sewer systems (MS4); compliance, inspection and enforcement (CIE); discharge monitoring report (DMR); best management practice (BMP); quality assurance project plan (QAPP); Idaho Department of Environmental Quality (DEQ); US Environmental Protection Agency (EPA)

4 Hiring, Recruitment and Retention, and Onboarding

4.1 Hiring Strategy

It is important for the IPDES Program to be fully staffed with trained personnel, commensurate to each phase of the program authorization (Table 3). Although state authorization of the program is anticipated for FY2019 (July 2018), DEQ will begin hiring permit specialists in the fiscal years prior to DEQ writing permits for each type of facility.

Table 3. IPDES Program staffing development by state fiscal year. Overview of FTEs and distribution among IPDES Program activities.

State Fiscal Year	IPDES Program Phase	FTE Descriptions	No. of FTEs Hired
2015	Rules and guidance development	1 program manager 1 permit lead 1 rules and guidance coordinator DEQ-certified NPDES inspectors (≈2 FTEs) ^a	3 (5) ^a
2016	Rules and guidance development	1 CIE lead 1 data management coordinator 1 permit specialist	3
2017	Submit primacy application to EPA	1 information technology specialist 2 permit specialist 1 CIE specialists	4
2018	Phase 1–Municipal Permits	1 deputy attorney general 1 clerical support for fee administration 4 permit specialists 4 CIE specialists	10
2019	Phase 2–State Authorization and Begin Industrial Permits	4 CIE specialists	4
2020	Phase 3–General Permits and NOIs	3 CIE specialists	3
2021	Phase 4–Storm Water, Federal Facilities, Sludge	—	—
2022	Idaho receives full NPDES authorization		—
Total			27 (29) ^a

a. DEQ currently has 12 certified NPDES inspectors that work the equivalent of approximately 2 FTEs.
Notes: Idaho Pollutant Discharge Elimination System (IPDES); full-time equivalent (FTE); Idaho Department of Environmental Quality (DEQ); National Pollutant Discharge Elimination System (NPDES); compliance, inspection, and enforcement (CIE); notice of intent (NOI)

Appendix A provides an organization chart for the fully staffed IPDES Program, including each position title, state job classification, and anticipated fiscal year of hire.

4.2 Recruitment and Retention Strategy

The IPDES Program will depend heavily on the performance and quality of current employees who have specialized skills and institutional knowledge and newly recruited employees who will develop these skills. Employee recruitment and retention is critical for the IPDES Program, particularly in the developing phases. During program development, an increased potential exists for high resource, financial, and productivity costs resulting from employee turnover. These costs include job posting, screening, interviewing, hiring, and training new employees (DEQ 2012). Further, poor employee recruitment and retention can negatively affect program staffing and result in substandard customer service, diminished stakeholder trust, and poor internal workgroup morale.

Although many recruitment and retention strategies are dictated by agency or state direction (e.g., salaries, leave, holidays, and benefits), the IPDES Program will use the following strategies to ensure effective recruitment and retention:

- Treat all employees respectfully and professionally.
- Provide and communicate clear program goals and objectives to all employees.
- Provide opportunities for employees to participate in intra- and interdisciplinary program development teams.
- Provide mentoring and coaching opportunities throughout all levels of the program.
- Provide training and professional development opportunities to improve technical, scientific, and communication skills.
- Provide training and professional development opportunities for managers and supervisors to ensure a positive, constructive, and engaging workplace.
- Develop succession planning, including forecasting future staffing needs in hard-to-fill areas.
- Use innovative measures and activities to distinguish new employees as growing investments and experienced employees as valuable assets.

4.3 New Employee Onboarding

Every phase of the onboarding process with new IPDES employees is important, beginning with the first day on the job, through the successful completion of the first year. By creating a welcoming atmosphere and providing the necessary guidance and tools, new hires will more easily adapt to the work environment and become fully engaged in their new roles. This process should help improve employee morale and reduce turnover resulting from poor job satisfaction. The following information was modified from the *New Employee Orientation and Onboarding: A guide for new employees and their managers* (MIT 2015).

4.3.1 New Employee's First Day

During the employee's first day, the intent is to help the employee feel welcomed and prepared to start working, and begin to understand the position and performance expectations. The supervisor should be available to greet the employee on the first day and introduce the employee to others in the workplace. The supervisor should also provide an overview of the functional area, organizational structure, and goals, review the job description, outline the duties and

expectations, and describe how the employee's job fits within the program and department. Finally, the supervisor should discuss work hours; explain overtime policies and procedures, vacation, sick time, and holidays use; and any flexible work policies or procedures. The following checklist provides basic onboarding items to discuss with the employee on the first day of work.

Equipment

- Vehicles
- Telephone
- Computer
- ID card and building access
- P-card
- Charge codes
- Business cards
- Network access
- Phone numbers
- Furniture

Personnel and Processes

- TRIM/TRIM manual
- Outlook calendar
- Administrative assistants
- Work hours/schedule
- Accruing leave and comp time
- Travel/training requests
- Open door policy
- Cell phone
- Inbox (document review and signatures)

Learning Tools

- Idaho Codes §39-175A–C
- IPDES rules and guidance documents
- 2015 DEQ *IPDES Program Strategic Plan* (DEQ 2015c)
- 2014 EPA *Water Quality Standards Handbook* (EPA 2015a)
- 2010 EPA *NPDES Permit Writers' Manual* (EPA 2010)
- 2007 DEQ *Water Quality Standards Training Course Materials* (DEQ 2007)
- Code of Federal Regulations (DEQ 2015b)

Performance

- IPDES Program objectives
- Performance expectations
- 6-month performance objectives
- Long-term performance objectives

4.3.2 New Employee's First Months

During a new employee's first few months, the supervisor should ensure the employee is cognizant of the performance expectations and objectives related to the position and ensure the employee continues to develop, learn about the position and organization, and build professional relationships. During this time, the employee should increasingly become aware of the position's roles and responsibilities, begin to work independently, and become acclimated to the work environment, both functionally and socially. The supervisor can facilitate this by scheduling and conducting regular one-on-one meetings, providing on-going feedback, eliciting feedback from the employee, and discussing performance and professional development goals. Finally, the supervisor should help ensure the new employee has attended or is signed up for new employee orientation and other necessary trainings (Appendices B–F).

4.3.3 New Employee's First 6 Months

Toward the end of the first 6 months, a new employee should begin to take the lead on some initiatives, built relationships with peers as go-to partners, and feel confident and engaged in the new role while continuing to learn. At this time, the supervisor should conduct the 6-month performance review, discuss progress on performance goals and professional development needs and opportunities, and generally help to facilitate long-term employee success.

5 Training and Professional Development

5.1 Training for all IPDES Personnel

Specific training is required for all DEQ personnel (Karen Thiel, DEQ, personal communication with Troy Smith, DEQ, 2015), and additional training is required for all IPDES Program personnel (DEQ 2015d).

Unless new personnel have completed the trainings or equivalent as authorized by DEQ's Human Resources or the IPDES program manager, the following trainings are required for all IPDES personnel within their first year or as soon as trainings become available (Appendix B):

- **New Employee Orientation**—Review of DEQ structure and administrative policies and procedures
- **TRIM Training**—Use of DEQ's electronic document storage and filing system
- **Sexual Harassment**—Teaches employees about their role in ensuring a respectful work environment and provides an overview of what to do if employees feel they may be experiencing harassment along with DEQ's procedures on filing a complaint.
- **Americans with Disability Act As Amended**—Teaches employees about the federal antidiscrimination statute designed to remove barriers that prevent qualified individuals with disabilities from enjoying the same opportunities that are available to persons without disabilities.
- **Total Maximum Daily Load (TMDL) to NPDES Permits Training**—Three web-based training modules on topics related to TMDLs and NPDES permitting. The presentations are intended for TMDL developers and NPDES permitting staff to gain a better understanding of TMDL development and implementation through NPDES permits.

While additional courses may not be required, all IPDES personnel are encouraged to complete additional courses that provide the knowledge, skills, and ability to more efficiently and effectively carry out their assigned duties.

5.2 Training for IPDES Supervisors

Unless new supervisors have completed the trainings or equivalent as authorized by DEQ's Human Resources or the IPDES program manager, the following trainings are required for all IPDES supervisors within their first year or as soon as trainings are available (DEQ 2015e) (Appendix C):

- **Performance Management**—Offers tools for managing employee development, coaching, and providing feedback. Each of the four units has activities that can be completed online.
- **Drug/Alcohol Free Workplace**—Shows managers how to recognize the signs of drug and alcohol abuse.
- **Family Medical Leave Act (FMLA)**—Provides supervisors and managers with a general awareness of FMLA and why it is important to know how the law works.
- **Management and Leadership Skills**—Designed to help supervisors increase productivity, improve employee performance, and enhance business interactions through effective management and leadership (*This formal training is required for all new supervisors if they have not completed similar training*).

5.3 Training for IPDES Data Management Coordinator

DEQ will develop an IPDES database for storing, collecting, and disseminating data, which will be shared with EPA to meet the state's reporting requirements. The database will include a web-based interface to allow the regulated community to submit new permit applications, permit renewals, monitoring data, and other information required by DEQ. It will also allow the regulated community to update facility contact information and other pertinent information. In addition, the web-based interface application will allow the public to query current permit information.

The IPDES data management coordinator will have a solid understanding of the IPDES Program as well as database management, which can be achieved by completing the following training, or equivalent as approved by the IPDES rules and guidance coordinator (Appendix D):

- **Water Quality Standards Handbook or Academy**—Outlines provisions of the Clean Water Act and addresses how EPA and the states/tribes work together toward Clean Water Act objectives, including designated uses, water quality criteria, antidegradation policy, general flexibility policies, and EPA review.
- **NPDES Permit Writers' Web-Based Training or Formal Course** (either complete the training provided on the EPA website or complete the formal course provided by EPA and Tetra Tech)—Provides the basic regulatory framework and technical considerations that support developing wastewater discharge permits. The permit writers' manual is designed for new permit writers and highlights the process of developing, issuing, and complying with NPDES permits. The manual provides the data management coordinator with an understanding of the specific permit data needed for inclusion into the database.

- **Database Management-Specific Training**—ExecuTrain, an Idaho-based IT training company, and other companies provide a number of database management-specific courses that could be valuable training opportunities for the data management coordinator as the database is developed and becomes fully functioning.
- **Integrated Compliance Information System Training Modules**—A series of online modules that provide instruction on accessing and using the ICIS database.

Other training may be substituted for these classes if approved by the IPDES rules and guidance coordinator and Water Quality Division administrator.

5.4 Training for IPDES Permit Specialists

DEQ personnel will require training to effectively develop IPDES permits that are consistent with the IPDES rules and federal regulations (Appendix E).

The DEQ permit lead will track personnel training and certify that each permit specialist has (1) met all of the applicable training elements, or (2) successfully completed other equivalent training. Annually, the DEQ permit lead will send a report to EPA verifying the status of personnel who have completed the permit writer training requirements.

The IPDES permit lead will ensure that all IPDES permit specialists meet to the following:

- Occupy a position classified as an Analyst 3, Scientist 3, or Engineer (Staff).
- Work in a position whose position description includes permit writing duties.
- Have experience assisting in developing NPDES/IPDES permits, 401 certifications, or similar activities with DEQ, EPA, or other regulatory agencies.

IPDES permit specialists must complete the following training, or equivalent, and obtain approval from the IPDES permit lead within the first year of hire or as soon as trainings are available:

- **Idaho Water Quality Standards 101**—Outlines the Idaho Water Quality Standards and how state law and DEQ authority relate to federal law and EPA authority toward achieving Clean Water Act objectives, including designated uses, numeric and narrative water quality criteria, antidegradation policy, use attainability analyses, watershed advisory groups, TMDLs, etc.
- **NPDES Permit Writers' Course**—Provides the basic regulatory framework and technical considerations that support developing wastewater discharge permits. The course is designed for new permit writers and highlights the process of developing, issuing, and complying with NPDES permits.
- **IPDES-Specific Training**—Provides detailed information about Idaho permitting guidance and practices, including use of reasonable potential analysis methodology, data recording and management tools (e.g., Excel Workbook), and permit/fact sheet templates. Covers where to locate information and data used in permitting decisions including ambient water quality data.
- **CORMIX Mixing Zone Introductory and Advanced Classes**²—Includes set of four introductory classes and two advanced-level classes, each of 2-hours duration; offers interactive, online, web-based training; and addresses regulatory background, definition

of mixing zones, mixing processes, and the CORMIX mixing zone model application and use.

- **Visual Plumes**²—A Windows-based software application for simulating surface water jets and plumes. It assists in preparing mixing zone analyses, TMDLs, and other water quality applications.
- **Introduction to Aquatic Toxicology**—Provides participants with a strong foundation of aquatic toxicology and how these concepts are applied to managing pollutants in aquatic environments. The course covers terminology, common test designs, and endpoints such as lethality and endocrine disruption. Important legacy and emerging pollutants of concern such as heavy metals, organic pesticides, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, polybrominated diphenyl ethers, pharmaceuticals, personal care products, and nanoparticles are presented. Fate and transport as it relates to bioavailability and pollutant partitioning in aquatic environments are discussed. Water quality criteria from the CWA with an emphasis on, and examples of, site-specific criteria for metals using hardness correction, water effects ratio, and biotic ligand model are also included.
- **WET Training Tools**²—An overview of EPA's WET test methods promulgated at 40 CFR 136. DVDs were developed so that permit writers, their permittees, and commercial laboratories can have a better understanding of the EPA WET test methods and how to properly conduct, review, and analyze them.

Other training may be substituted for these classes if approved by the IPDES permit lead and Water Quality Division administrator.

5.5 Training and Credentials for IPDES Compliance, Inspection, and Enforcement Specialists

Before NPDES authorizations, the IPDES CIE personnel will be required to obtain EPA CWA inspector credentials to conduct NPDES inspections on behalf of EPA. DEQ personnel will adhere to EPA's credentialing requirements as specified in the *Clean Water Act (CWA) §402 Training Requirements for National Pollutant Discharge Elimination System (NPDES) Program Inspectors* (EPA 2014) (Appendix G). Upon receiving NPDES authority, the IPDES Program will then convert to a DEQ-issued credential system.

The IPDES CIE lead will track personnel training and requirements necessary to obtain NPDES/IPDES inspector credentials and will certify that each inspector has (1) met all of the applicable training elements, or (2) successfully completed equivalent training. Annually, the CIE lead will send a list to EPA verifying the personnel who have completed the credential and continuing education requirements.

DEQ will develop a policy requiring all personnel, whose position descriptions include CIE as work duties, to complete the appropriate enforcement training (0). Once the prescribed training has been completed, personnel will be eligible to obtain IPDES inspector credentials.

² This training may not be required of all permit specialists. If required, it will be identified in the Employee Performance Plan.

5.5.1 CIE Training

The IPDES CIE lead will ensure that all IPDES inspectors meet the following:

- Occupy a position classified as an Analyst 3, Scientist 3, or Engineer (Staff).
- Work in a position whose position description includes CIE work duties.
- Have job shadowing or experience conducting compliance field inspections for DEQ, EPA, or other regulatory agency.

To obtain IPDES CIE credentials, IPDES inspectors must complete the following training, or equivalent, and obtain approval from the IPDES CIE lead within the first year of hire:

- **Self-Certification of Mandatory Training EPA Order 3500.1** (EPA 2014)
- **24-Hour Health and Safety or 40-Hour Health and Safety** (HAZWOPER)
- **EPA Basic Inspector CST 109 (EPA)**—Three-day enforcement course designed to explain the basic inspection and enforcement tools used by environmental regulatory agencies.
- **CWA/NPDES Computer-Based Inspector Training** (Inspector Wiki)—The course parallels the 2004 *NPDES Compliance Inspection Manual* and includes an overview of the NPDES Program, types of inspection procedures, sampling and flow measurement, and record keeping and reporting. Advanced modules include inspections for stormwater, sanitary sewer overflows, combined sewer overflows, pretreatment compliance, and biosolids, toxicity, and pollution prevention.
- **NPDES Permit Writers' Course** (web-based or classroom; EPA and Tetra Tech)—Provides the basic regulatory framework and technical considerations that support developing wastewater discharge permits. The course is designed for new permit writers and highlights the process of developing, issuing, and complying with NPDES permits.
- **Mandatory Self-Study Materials for All New IPDES Inspectors**
 - CWA §308—Records, Reports, and Inspections
 - *NPDES Compliance Inspection Manual* (July 2004) Chapters 1–7
 - Primer for Municipal Wastewater Treatment Systems
 - NPDES Compliance Monitoring Strategy (2007)
 - Technology fact sheets
 - Conventional gravity sewers
 - Lift station sewers
 - Force main sewers
 - Sewer cleaning and inspection
 - Screening and grit removal
 - Oxidation ditches
 - Trickling filters
 - Fine bubble aeration
 - Chlorine disinfection
 - Dechlorination
 - Ozone disinfection
 - Ultraviolet disinfection
- **Mandatory On-the-Job Training (OJT)**
 - Review a minimum of two final inspection reports, and prepare at least one final draft report.

- Accompany an experienced CWA NPDES/IPDES compliance inspector/field investigator as determined by the inspector’s supervisor, on a minimum of two CWA NPDES/IPDES inspections.
- Conduct at least one OJT CWA NPDES/IPDES inspection while being observed by an experienced, credentialed compliance inspector/field investigator.
- **Additional Mandatory Training Courses in Specific Subprograms**
 - Stormwater (industrial, construction, and municipal separate stormwater sewer systems [MS4s])
 - Publicly owned treatment works
 - Sanitary sewer overflows
 - Combined sewer overflows
 - Pretreatment
 - Biosolids
 - Mining
 - Construction General Permits
 - Multisector General Permits
 - Concentrated animal feeding operations
 - Aquaculture
 - Vessels
 - Others

Other training may be substituted for these classes if approved by the IPDES CIE lead and Water Quality Division administrator.

After IPDES personnel have received EPA inspector credentials, DEQ will perform NPDES permit compliance inspections on behalf of EPA according to the performance partnership agreement (PPA) work plans, and other agreements, as appropriate. Upon receiving NPDES authority, the IPDES Program will then convert to a DEQ-issued credential system, which will be developed by the IPDES CIE lead.

5.5.2 CIE Credential and Renewal

To maintain NPDES or IPDES CIE credentials, personnel must meet the following minimum requirements, or equivalent, and obtain IPDES CIE lead approval:

1. Successfully complete the basic CIE training requirements.
2. Annually, complete each of the following (a through f):
 - a. 8-Hour Health and Safety refresher (HAZWOPER)
 - b. Complete eight modules from the Occupational Health and Safety Course to fulfill the annual health and safety refresher requirement. Inspectors should select eight modules that reflect the type of field work and anticipated hazards typical of their assignments.
 - c. Complete at least one of the CWA NPDES program-specific training or self-study listed in EPA Order 3500.1 program-specific training requirements (EPA 2014). An inspector may not repeat a training course or self-study to satisfy this requirement.
 - d. Complete at least one refresher training course from Inspector Wiki listed under the section “Inspection Skills Refresher Training” (EPA 2014).

- i. This refresher training includes topics such as chain-of-custody, interviewing techniques, and being a witness.
- ii. To satisfy this annual requirement, an inspector may not repeat an inspection skill refresher training course until all have been completed. Upon completion of all of the listed courses, the inspector and supervisor may select other similar inspector refresher training to meet this annual requirement.
- e. Continue to be familiar with the guidance and reference manuals applicable to the types of inspections an inspector performs listed under “Mandatory Self-Study for All New CWA NPDES Inspectors” *and* “Additional Mandatory Self-Study for Clean Water Act NPDES Inspectors in Specific CWA NPDES Sub-Programs” listed in EPA Order 3500.1.
- f. Become familiar with any new regulations and policies applicable to the types of inspections that each IPDES inspector performs.

Additional continuing training and development opportunities may include, but are not limited to, the following:

- **Basic Environmental Investigations (Western States Project)**—Three-day course designed to give participants a basic working knowledge of the process and requirements for successful environmental crimes investigations.
- **Advanced Environmental Investigations CIT 311 (EPA)**—Eighty-hour course taught at the Federal Law Enforcement Training Center designed to teach advanced investigation techniques to environmental regulators and criminal investigators. This course is also called CIT311 Advanced Environmental Crimes Training Program.

5.5.3 Credential Tracking

The permit lead and CIE lead will coordinate to ensure that all permit and CIE specialists update and maintain all essential training and credentials necessary to meet position description requirements. The IPDES permit lead and CIE lead will respectively accomplish this by tracking each staff member’s credential information, completed training, credential expiration dates, and necessary training. This tracking may be accomplished through the use of the IPDES database or a separate compliance tracking database.

5.6 Additional IPDES Program Training

IPDES personnel will be provided opportunities to successfully complete additional advanced and specialized training as courses become available, and all IPDES personnel will have a DEQ Performance Plan identifying required and optional training.

Continued and advanced training is critical to further develop expertise and subject matter experts. Continued and advanced training in leadership, communication, technical, and policy subjects will be critical to maintain and improve professional skills in all IPDES personnel. These and other trainings are periodically available from a variety of sources, including DEQ, EPA, universities, Inspector Wiki, Western States Project, and other organizations. Appendix B provides a potential list of training courses that cover the IPDES Program components.

Examples of advanced training opportunities include, but are not limited to, the following:

- Advanced Inspector Training (Inspector Wiki)
- Water Quality Standards Academy (EPA)
- NPDES Permit Writers' Course (EPA)
- CORMIX Mixing Zone Modeling (MixZon)
- Statistical analysis methods (various)
- Database management and computer applications
- Beginning and advanced conflict management, negotiation, and facilitation training (e.g., US Geological Survey and Boise State University).
- Certified Public Manager

Examples of sector-specific training needs in permitting, CIE, and environmental policy that interact with the IPDES Program include, but are not limited to, the following:

- Domestic wastewater treatment and disposal technology
- Stormwater (including MS4, industrial, and construction)
- Pretreatment
- Mining waste and wastewater
- Concentrated animal feeding operations
- Aquaculture
- Application of effluent guidelines
- Application of TMDL wasteload allocations
- BMPs
- Data and information management and administration (e.g. Permit Compliance System, ICIS, NetDMR, and ECHO)
- Supplemental environmental projects policy and implementation
- Quality assurance/quality control and QAPPs

5.7 On-the-Job Training

5.7.1 Agreements and Partnership Development

While progressing toward full NPDES authorization, DEQ may coordinate with EPA to use work sharing under existing PPAs, performance partnership grants, and informal working agreements, as appropriate. This coordination may begin in FY2017 and continue until the IPDES Program receives full NPDES authorization in FY2022.

To gain NPDES expertise, DEQ personnel will draft work products, such as permits, fact sheets, public notices, response to comments, corrective measures study/implementation, and annual reporting of enforcement actions to support EPA's process. DEQ and EPA will develop an annual list of permits that IPDES personnel will take the lead role in drafting and inspecting; other lead roles performed by IPDES personnel will also be documented. Draft work products may consider:

- A wide variety of permit types and sectors so that personnel will gain a broad range of experience.
- Permit expiration dates, expected NPDES program authorization dates, and IPDES Program phasing.

- DEQ permitting and workload priorities.

The specific focus resulting from partnership agreements may include the following:

- Working in a team setting to draft and reissue general and individual permits that will be converted to IPDES permits when NPDES authority is transferred to DEQ and the permits are reissued.
- Providing peer review of draft permits prepared by IPDES personnel.
- Providing technical assistance to ensure that state water quality standards are reflected in water quality-based effluent limits.
- Providing assistance review of permit inspections, compliance assistance, and enforcement.
- Reviewing and commenting on NPDES primacy application documents for submittal to EPA.
- Developing training sessions on topics relating to NPDES/IPDES permit writing, such as conducting a reasonable potential analysis, reviewing results of WET testing, and writing inspection reports.

5.7.2 Developing IPDES Permits and Inspections

When authority to implement the NPDES Program is delegated to DEQ and permits for discharging to surface waters are scheduled to be reissued, DEQ will reissue the permits to comply with IPDES Program and federal requirements. DEQ will incorporate water quality- and technology-based analyses and limitations when issuing IPDES permits for discharging to surface waters. DEQ will apply the same procedures when issuing new permits for facilities and activities not previously permitted under the NPDES Program. This approach will contribute to personnel expertise and IPDES Program capacity building and will allow for a smooth transition from an NPDES permit to an IPDES permit after program authorization.

Beginning in FY2017 and until full NPDES authorization is established, DEQ and EPA will identify facilities that DEQ will inspect on behalf of EPA. Facilities will be selected to provide inspectors a variety of experiences and based on areas of coverage identified by EPA.

5.7.3 Personnel from NPDES-Authorized States

DEQ may pursue opportunities to temporarily use personnel from states with authorized NPDES programs to work in Idaho for up to 1 year. These candidates will have permitting, inspection, and compliance experience with regulated sectors similar to Idaho (e.g., municipal and domestic, stormwater, and mining) and may provide assistance and expertise to draft and issue permits, inspect and provide compliance assistance to facilities, and pursue enforcement actions.

5.7.4 Job Shadowing and Mentoring

Job shadowing offers opportunities to build permitting and CIE capacity. IPDES personnel will job shadow EPA inspectors and EPA compliance and enforcement officers on compliance inspections within Idaho until full authority to implement the NPDES Program is delegated to Idaho. Currently, DEQ-certified inspectors accompany EPA inspectors on two inspections, and review and comment on the resulting inspection reports. DEQ will also continue to pursue job shadow opportunities from other states with authorized NPDES programs.

IPDES personnel may visit EPA Region 10 or other EPA regional offices to job shadow permit writers, inspectors, or compliance and enforcement officers. Similarly, much of this work may be conducted remotely via tele- and videoconferencing, e-mail, and other remote work applications (e.g., Adobe Connect). Specific permit work and discrete tasks and outcomes will be identified through the Intergovernmental Personnel Agreements, informal agreements, and DEQ performance plans.

DEQ will also promote mentoring to enhance the IPDES Program function by capitalizing on internal and external talent. Mentoring will offer personnel the opportunity to be paired with other personnel within the DEQ who can serve to mentor technical, scientific, policy, and other aspects of professional development. IPDES and other DEQ personnel have varying NPDES program-related expertise (e.g., inspections, 401 certifications, mixing zone analyses, and compliance assistance), and a mentoring program can promote the transfer of that knowledge to less experienced personnel.

5.7.5 DEQ Training

The IPDES Program will coordinate and conduct training provided by DEQ personnel. Potential in-house training opportunities may include data entry and management, WET, pretreatment requirements, mixing zone analyses, water quality standards, inspection report writing, compliance assistance, enforcement actions, and many others. As such, guidance and SOPs will be developed to assist personnel in implementing the program.

5.7.6 Conferences and Workshops

The IPDES Program personnel will distribute information about upcoming local, regional, and national conferences. When funds and work time are available to attend such conferences, personnel will be encouraged to attend and network with other conference attendees to increase their NPDES and IPDES knowledge. Conferences and workshops typical of forums that IPDES personnel may attend include, but are not limited to, the following:

- EPA National Stormwater Conference
- StormCon Workshops
- National Stormwater Coordinator Meetings
- Water Environment Research Federation Annual Technical Exhibition and Conference
- EPA Hardrock Mining Technical Conference
- ASIWPCA/EPA NPDES Manager's Meeting
- Pretreatment Program Annual Meeting
- DEQ Annual Water Quality Workshop
- DEQ Annual Water Reuse Conference
- Idaho Environmental Forum
- Pacific Northwest Clean Water Association Annual Conference and Exhibition
- Association of Clean Water Administrators Annual Conference

IPDES Program personnel will present highlights from professional conferences and workshops during staff meetings and scheduled presentations, or by e-mail to improve and enhance overall permitting and CIE knowledge throughout the IPDES Program.

5.7.7 Scientific, Professional, and Library Resources

DEQ uses the TRIM electronic document management system. TRIM facilitates the exchange of information by providing a central repository of electronic records that can be accessed by everyone inside the agency.

DEQ also subscribes to the online journal library, *Science Direct*, from which IPDES personnel can research journals pertaining to environmental regulations, wastewater treatment, and scientific/engineering advances.

DEQ's Wastewater Engineering Program has established a library that contains books for wastewater and drinking water operators in addition to engineering texts. These resources can be checked out as needed and are available to IPDES personnel.

Finally, the IPDES Program will establish a library (conventional and digital) containing scientific, technical, policy, and training materials to be a readily available resource for program personnel.

6 Guidance, Standard Operating Procedures, Quality Assurance Project Plans, and Templates

Quality data and information constitute the foundation of informed decision making. As a result, IPDES personnel will develop new and adopt existing quality management documents, including guidance, SOPs, templates, and QAPPs needed to fully implement the IPDES Program. These documents will be developed in coordination with other DEQ programs (e.g., IT, EPA, and stakeholders) and be consistent with DEQ's *Quality Management Plan (QMP)* (DEQ 2012a), which describes DEQ's quality management system to communicate and implement quality management procedures within DEQ.

The primary benefits of well-developed quality management documents include the following:

- Defensible products and decisions
- Integrity of scientific data
- Effective resource management
- Justifiable resource expenditures
- Continual process improvement
- Efficient, effective, and robust IPDES Program implementation

The primary purpose for developing these documents is to provide a framework to ensure the quality of data and information developed, received, maintained, and transmitted by the IPDES Program. Successful IPDES Program implementation depends on the ability of DEQ personnel to make informed decisions based on information generated internally, by permittees, and other IPDES users throughout the state. Additionally, developing these documents consistent with the QMP will ensure they meet federal requirements mandated by EPA.

A potential list of documents to be developed or adopted includes, but is not limited to, the following:

- *IPDES Permit Writers' Manual*/general permit development
 - Water quality trading
 - MS4s
 - Stormwater
 - Concentrated animal feeding operations
 - Concentrated aquatic animal productions/aquaculture
 - Variances (e.g., thermal)
 - BMPs
 - Reasonable potential analysis and effluent limitations development
 - Production-based effluent limits for industry
 - Production-based pretreatment standards and the combined wastestream formula
 - Discharges to waters across state boundaries
 - Watershed and bubble permitting
- Pretreatment
- Sludge (Guidance for Land Application of Municipal Biosolids [DEQ 2011]) and sludge monitoring methods from SW-846
- CIE manual
- Data management SOPs (e.g., holding, managing, and distributing third party data, including confidential business information)
- Third party data management (e.g., SOPs and QAPPs for reviewing and receiving third party data)
- *Idaho Waste Management Guidelines for Aquaculture Operations* (DEQ 1997)
- Idaho Mixing Zone Implementation Guidance
- Idaho Stormwater BMPs
- IPDES Safety plan

7 Capacity Building Assessment

DEQ will continually expand personnel knowledge, skills, experience, and available resources to fully implement the IPDES Program before and after DEQ receives NPDES authorization. The IPDES Program will develop an annual capacity building summary to document program efforts, such as permits drafted by IPDES personnel, compliance and enforcement activities undertaken, DEQ-EPA work share agreements and partnerships, and formal and informal personnel training. By December 31 of each year, DEQ will prepare a capacity building summary for the period of July 1 through June 30 until DEQ has received full NPDES authorization (currently projected as FY2021). The summary will also identify recommended changes to the capacity building plan for the coming fiscal year. These proposed changes will depend on current and projected staffing, workload, resources, new information, and lessons learned. The changes will be aimed at continually adapting and improving the IPDES Program to accommodate new program opportunities and existing program challenges.

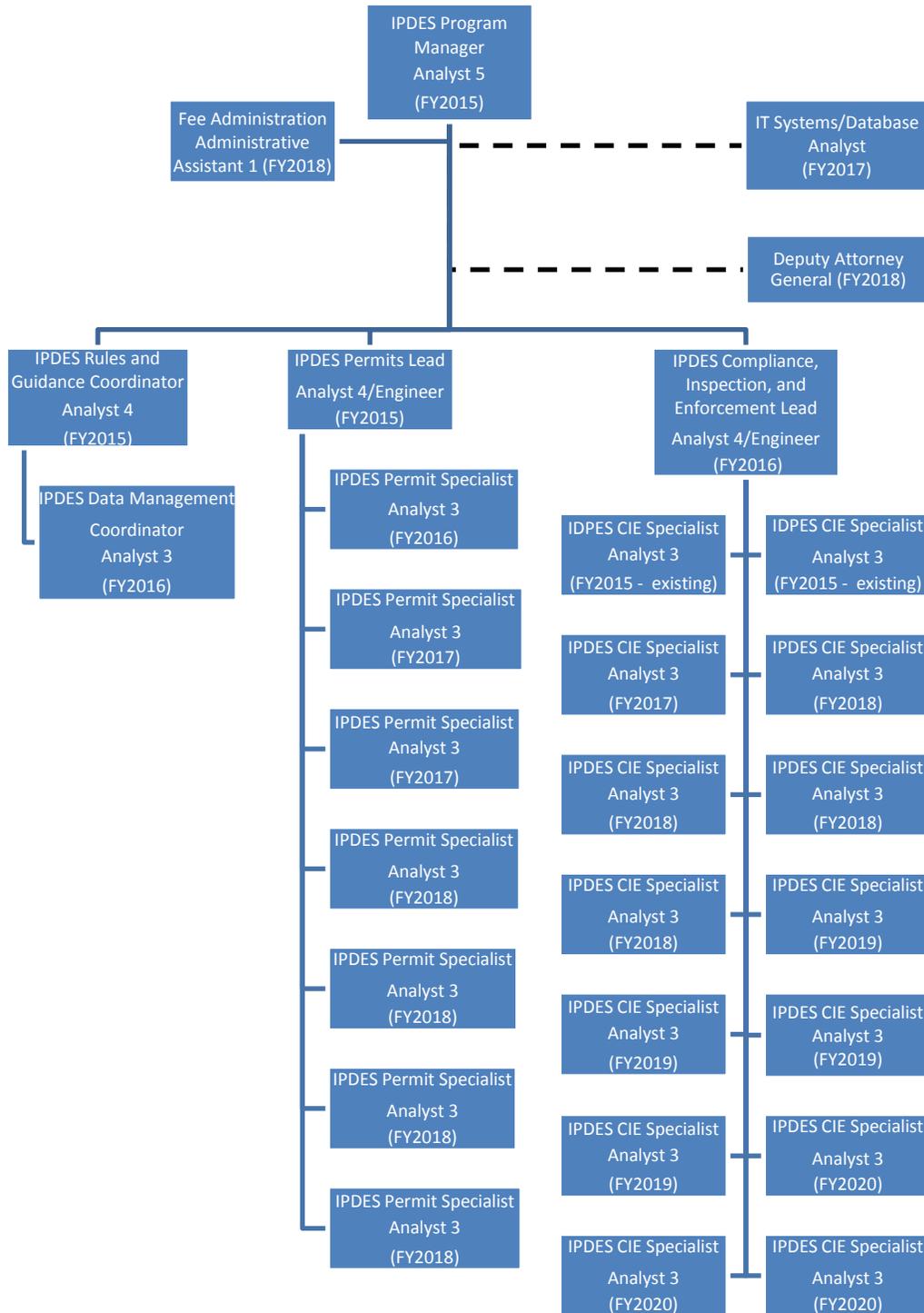
References

- ADEC (Alaska Department of Environmental Conservation). 2008. *Alaska Pollutant Discharge Elimination System (APDES) Capacity Building Plan*. Juneau, AK: ADEC.
- DEQ (Idaho Department of Environmental Quality). 1997. *Idaho Waste Management Guidelines for Aquaculture Operations*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2007. *DEQ Water Quality Standards Training Course Materials*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2011. *Guidance for Land Application of Municipal Biosolids*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2012. *The Real Cost of Vacancies for DEQ (Report to the Director)*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2012a. *Quality Management Plan*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2015a. *IPDES Program Funding and Hiring Strategy*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2015b. *IPDES Program Data Management Strategy*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2015c. *IPDES Program Strategic Plan (Draft)*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2015d. "All-Employee Training." DEQ Employee Intranet. Accessed April 28, 2015. deq.intranet/human-resources/training/all-employee.aspx.
- DEQ (Idaho Department of Environmental Quality). 2015e. "Supervisory Training." DEQ Employee Intranet. Accessed April 28, 2015. deq.intranet/human-resources/training/supervisory.aspx.
- EPA (US Environmental Protection Agency). 2010. *NPDES Permit Writers' Manual*. EPA-833-K-10-001.
- EPA (US Environmental Protection Agency). 2014. *Clean Water Act (CWA) §402, Training Requirements for National Pollutant Discharge Elimination System (NPDES) Program Inspectors*. EPA Order 3500.1.
- EPA (US Environmental Protection Agency). 2015a. *Water Quality Standards Handbook*. Intranet. Accessed April 28, 2015. <http://water.epa.gov/scitech/swguidance/standards/handbook/index.cfm>.
- EPA (US Environmental Protection Agency). 2015b. *Electronic Code of Federal Regulations*. Intranet. Accessed August 20, 2015. <http://www.ecfr.gov/cgi-bin/ECFR?page=browse>.

MIT (Massachusetts Institute of Technology). 2015. *New Employee Orientation and Onboarding: A guide for new employees and their managers*. Accessed July 13, 2015. <https://welcome.mit.edu/managers/new-hire-experience>

This page intentionally left blank for correct double-sided printing.

Appendix A. IPDES Organization Chart



This page intentionally left blank for correct double-sided printing.

Appendix B. Training for All IPDES Personnel

Course Title	Course Description	Duration	Provider
Required Training (or equivalent) for all IPDES Personnel within First Year (or as soon as trainings become available)^a			
New Employee Orientation	Review of DEQ structure and administrative policies and procedures.	1 day	DEQ
TRIM Training	DEQ electronic document storage and filing.	1 day	DEQ
Sexual Harassment	Teaches employees about their role in ensuring a respectful work environment and provides an overview of what to do if employees feel they may be experiencing harassment along with DEQ's procedures on filing a complaint.	½ to 1 hour	DEQ
Americans with Disability Act As Amended	The ADA is a federal antidiscrimination statute designed to remove barriers that prevent qualified individuals with disabilities from enjoying the same opportunities that are available to persons without disabilities.	½ hour	DEQ
Data Management Training	Using the IPDES CRIPs database in evaluating permit compliance, inspection, and enforcement.	1–3 days	DEQ
TMDL and NPDES Permits Training	Three web-based training modules on topics related to TMDLs and NPDES permitting. The presentations are intended for TMDL developers and NPDES permitting staff to gain a better understanding of TMDL implementation through NPDES permits.	Online (1–3 days) and DEQ sessions	EPA, DEQ
Continuing Professional Development Opportunities for all IPDES Personnel			
IPDES Specific Training (to be developed)	Idaho specific training on information, processes, and procedures for the IPDES Program.	1–3 days	Classroom and on the job.
Idaho Certified Public Manager	Nationally accredited management development program for public sector managers. Many states, including Idaho, offer this program. Idaho's program is administered through the Idaho's Division of Professional-Technical Education.	2 years	Idaho PTE
Leadership Development Program	A fast-paced, hands-on learning experience culminating in practical, on-the-job application. This four-part program is led by the center's instructional team consisting of proven leaders from a variety of fields who all have one thing in common—a passion for developing others.	8 days	Boise State University
Negotiation Skills for Natural Resource Professionals	Provides participants with the basic principles, skills, and techniques used in natural resource negotiation so that they can more effectively plan for and participate in these processes.	3 days	USGS
Strategies and Tactics for the Experienced Natural Resource Negotiator	Presents participants with advanced principles, skills, and techniques used in natural resource negotiation. The focus in this class is on strategy development and effective management of negotiating teams. Previous negotiating experience and training are prerequisites for this course.	3 days	USGS
Negotiation Theory and Practice	The tactics, strategies, and operations of effective and ineffective negotiation behaviors will be presented. Develop negotiator skills and knowledge leading to collaborative-based action and	1 credit	Boise State University

Course Title	Course Description	Duration	Provider
	solutions. Topics include negotiator skills in interpersonal communication and problem solving; methods for dealing with difficult people; and counter-measures for power imbalances and tricky tactics.		
Facilitating Groups in Conflict	Skills for facilitating public input processes will be discussed, as well as techniques for facilitating conflict within small- and large-group meetings. Topics include structures and ground rules that limit conflict; controlling anger and nonfunctional behavior; and group problem solving and decision making.	1 credit	Boise State University
Training Identified by IPDES Personnel and Supervisors	TBD	TBD	TBD
<p><i>Notes:</i> Idaho Department of Environmental Quality (DEQ); Americans with Disability Act as Amended (ADAAA); Idaho Pollutant Discharge Elimination System (IPDES); Compliance, Reporting, Inspection, and Permitting System (CRIPS); total maximum daily load (TMDL); National Pollutant Discharge Elimination System (NPDES); Professional-Technical Education (PTE); US Geological Survey (USGS); to be determined (TBD)</p> <p>^aUnless new personnel have already completed equivalent trainings or as authorized by DEQ's Human Resources or the IPDES program manager.</p>			

Appendix C. Training for IPDES Supervisors

Course Title	Course Description	Duration	Provider
Required Training (or equivalent) for all IPDES Supervisors within First Year (or as soon as trainings become available)^a			
Performance Management	Offers tools for managing employee development, coaching, and providing feedback. Each of the four units has activities that can be completed online.	Online	Idaho PTE website
Drug/Alcohol Free Workplace	Shows managers how to recognize the signs of drug and alcohol abuse.	3 hours	DEQ
Family Medical Leave Act	Provides supervisors and managers with a general awareness of the FMLA law and why it is important to know how the law works. It outlines what supervisors must do when dealing with an employee's FMLA issues to help the employee and the departments stay in compliance. The training takes a proactive approach to help supervisors respond appropriately to employees' FMLA issues. Training consists of a short DVD and general overview of DEQ's application of the law.	½ to 1 hour	DEQ
Management and Leadership Skills	Designed to help supervisors increase productivity, improve employee performance, and enhance business interactions through effective management and leadership. It is applicable for new or experienced supervisors who desire to enhance their skills <i>(This formal training is required for all new supervisors if they have not completed similar training)</i> .	2 days	BSU or North Idaho College
Continuing Professional Development Opportunities for IPDES Supervisors			
Training Identified by IPDES Supervisors and Program Manager	TBD	TBD	TBD
<p><i>Notes:</i> Professional-Technical Education (PTE); Family and Medical Leave Act; (FMLA); Idaho Department of Environmental Quality (DEQ); Idaho Pollutant Discharge Elimination System (IPDES); Boise State University (BSU); to be determined (TBD)</p> <p>^aUnless new personnel have already completed equivalent trainings or as authorized by DEQ's Human Resources or the IPDES program manager.</p>			

Appendix D. Training for the IPDES Data Management Coordinator

Course Title	Course Description	Duration	Provider
Required Training (or equivalent) for the IPDES Data Management Coordinator within First Year (or as soon as trainings become available)^a			
Water Quality Standards Handbook or Academy	Outlines provisions of the Clean Water Act and addresses how EPA and the states/tribes work together toward Clean Water Act objectives, including designated uses, water quality criteria, antidegradation policy, general flexibility policies, and EPA review.	Manual is self-paced; Course is 1 week	Manual on EPA website; Course taught by EPA
NPDES Permit Writers' Web-Based or Formal Course	Provides the basic regulatory framework and technical considerations that support developing wastewater discharge permits. The permit writers' manual is designed for new permit writers, highlighting the process of developing, issuing, and complying with NPDES permits. The manual provides the data management coordinator with an understanding of the specific permit data needed for inclusion into the database (<i>Either complete the training provided on the EPA website or complete the formal course provided by EPA and Tetra Tech</i>).	Manual is self-paced; Course is 1 week	Manual on EPA website; Course taught by EPA and Tetra Tech
Database Management Specific Training	Appropriate SQL and other database management trainings can be found at http://etidaho.com/pdfs/executrain%20course%20schedule.pdf	Classroom 1–5 days	ExecuTrain or other vendors
ICIS Training Modules	The online training module to provide step-by-step instructions on accessing and using the ICIS. ICIS is a secure system only available to EPA and state users.	Various	EPA online modules
Continuing Professional Development Opportunities for the IPDES Data Management Coordinator			
Training Identified by IPDES Personnel and Supervisors	TBD	TBD	TBD
<p>Notes: US Environmental Protection Agency (EPA); National Pollutant Discharge Elimination System (NPDES); Idaho Pollutant Discharge Elimination System (IPDES); Integrated Compliance Information System (ICIS); structured query language (SQL); to be determined (TBD)</p> <p>^aUnless new personnel have already completed equivalent trainings or as authorized by the IPDES rules and guidance coordinator.</p>			

Appendix E. Training for IPDES Permit Specialists

Course Title	Course Description	Duration	Provider
Required Training (or equivalent) for all IPDES Permit Specialists within First Year (or as soon as trainings become available)^a			
Idaho Water Quality Standards 101	Outlines the Idaho Water Quality Standards and how state law and DEQ authority relate to federal law and EPA authority toward achieving Clean Water Act objectives, including designated uses, numeric and narrative water quality criteria, antidegradation policy, use attainability analyses, watershed advisory groups, TMDLs, etc.	1–2 days	DEQ
NPDES Permit Writers' Course	Provides the basic regulatory framework and technical considerations that support developing wastewater discharge permits. The course is designed for new permit writers, highlighting the process of developing, issuing, and complying with NPDES permits.	1 week	EPA and Tetra Tech
IPDES Specific Training	Provides detailed information about Idaho permitting guidance and practices including use of reasonable potential analysis methodology, tools (e.g., Excel Workbook), and permit and fact sheet templates. Where to locate information and data used in permitting decisions including ambient water quality data.	Classroom 3 days, mentor 1–3 permits.	Classroom, on the job, and mentors.
CORMIX Mixing Zone Introductory and Advanced Classes^b	The set of four introductory classes and two advanced-level classes each of 2 hours duration, offers an interactive, online, web-based training and will focus on regulatory background, definition of mixing zones, mixing processes, and the CORMIX Mixing Zone model application and use. The training will also cover the advanced topics of modeling for tidal conditions and modeling desalination, brines, and sediment discharges.	1 ½ days	MixZon
Visual Plumes^b	The Visual Plumes model system is a Windows-based software application for simulating surface water jets and plumes. It also assists in preparing mixing zone analyses, TMDLs, and other water quality applications.	Self-pace manual	EPA
Introduction to Aquatic Toxicology	Introductory course provides participants with a strong foundation of aquatic toxicology and how these concepts are applied to managing pollutants in aquatic environments. The course covers terminology, common test designs, and endpoints such as lethality and endocrine disruption. Important legacy and emerging pollutants of concern such as heavy metals, organic pesticides, PAHs, PCBs, PBDEs, pharmaceuticals, personal care products, and nanoparticles will also be presented. Fate and transport as it relates to bioavailability and pollutant partitioning in aquatic environments will be discussed. Water quality criteria from the Clean Water Act with an emphasis on, and examples of, site-specific criteria for metals using hardness correction, water effects ratio, and the biotic ligand model are also included.	2 days	NWETC
Chemistry and Basic Analytical and Lab Certification	Provide general knowledge of water and wastewater chemistry as applicable to NPDES permits. Basic information about 40 CFR 130 methods and analytical methods as relates to NPDES permitting. Lab certification requirements and process.	1–2 days	DEQ staff, Idaho Bureau of Labs
WET Training Tools^b	Provides an overview of EPA's WET test methods promulgated at 40 CFR 136. DVDs were developed so that permit writers, their permittees, and commercial laboratories can have a better understanding of the EPA WET test methods and how to properly conduct them.	Online download	EPA

Course Title	Course Description	Duration	Provider
Continuing Professional Development Opportunities for Permit Specialists			
Orientation to Wastewater Treatment Processes: CWA106	Focuses on basic unit processes of wastewater treatment and is designed for new inspectors or inspectors transferring from other programs. Topics include wastewater characteristics, natural treatment systems, mechanical treatment systems, dual processes, basic wastewater microbiology, physical observations, wastewater flow measurement, and sampling. The course also includes a tour of an operational wastewater treatment facility.	3 days	Inspector Wiki
CESCL: Certified Erosion and Sediment Control^b	General principles of erosion and sediment control will be covered; a variety of BMPs will be evaluated; discussion about how federal policy is reflected in state permits; and specific examples of how construction site managers are using BMPs to successfully manage their projects will be reviewed.	2 days	NWETC and IECA
Fundamental Contaminant Chemistry in Soil and Ground Water	Overview of key chemistry concepts associated with environmental contamination, provides a foundation for understanding contaminant fate and transport. The concepts discussed are essential for understanding soil and ground water contamination along with the selection of appropriate remediation approaches.	2 days	NWETC
Emerging Contaminants Workshop	Explore emerging contaminants related to soil and ground water remediation. This workshop will keep you up-to-date on the topic of emerging contaminants and gives an understanding of how US agencies such as EPA and DOE are working to develop approaches for dealing with emerging contaminants.	1 day (live and online)	NWETC
Performance Evaluations of Wastewater Treatment Facilities: CWA105	Designed for industrial and municipal wastewater treatment plant inspectors. It provides an overview of the basic treatment units, principals of operation, and key physical observations to evaluate treatment plant performance.	2–3 days	Inspector Wiki
Water Quality Standards Academy	Outlines provisions of the Clean Water Act and addresses how EPA and the states/tribes work together toward Clean Water Act objectives, including designated uses, water quality criteria, antidegradation policy, general flexibility policies, and EPA review.	1 week	EPA
Webcast Training Resources	<ul style="list-style-type: none"> • Combined sewer overflows • Concentrated animal feeding operations • Energy management • Green infrastructure • Pesticides • Pretreatment • Sanitary sewer overflows • Stormwater • Vessels • Joint EPA-Federal Highway Administration webcasts 	Online	EPA
Training Identified by IPDES Personnel and	TBD	TBD	TBD

Course Title	Course Description	Duration	Provider
Supervisors			
<p><i>Notes:</i> National Pollutant Discharge Elimination System (NPDES); US Environmental Protection Agency (EPA); Idaho Pollutant Discharge Elimination System (IPDES); Reasonable Potential Analyses (RPA); total maximum daily load (TMDL); Northwest Environmental Training Center (NWETC); polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), polybrominated diphenyl ethers (PAH); Idaho Department of Environmental Quality (DEQ); whole effluent toxicity (WET); Certified Erosion and Sediment Control Lead (CESCL); best management practice (BMP); International Erosion Control Association (IECA); to be determined (TBD)</p> <p>^aUnless new personnel have already completed equivalent trainings or as authorized by the IPDES permit lead.</p> <p>^bThis training may not be required of all permit specialists. If required, it will be identified in the Employee Performance Plan.</p>			

Appendix F. Training for IPDES CIE Specialists

Course Title	Course Description	Duration	Provider
Required Training (or equivalent) for all IPDES CIE Specialists within First Year^a			
Self-Certification of Mandatory Training EPA Order 3500.1	Tracking document	2 pages	EPA
24-Hour Health and Safety or 40-Hour Health and Safety (HAZWOPER)	The 24-hour course covers broad issues pertaining to the hazard recognition at work sites. The 40-hour course is specifically designed for workers who are involved in clean-up operations, voluntary clean-up operations, emergency response operations, and storage, disposal, or treatment of hazardous substances or uncontrolled hazardous waste sites. Note, if a newly-hired employee has documented completion the 24/40 hour course, then the 8 hour refresher would be substituted.	24 or 48 hours	Various
Basic Inspector Course: CST109	Designed for new federal, state, local, and tribal environmental inspectors and meets the training requirement under EPA Order 3500.1. The course provides an overview of all aspects of inspection preparation, conduct, and follow-up. The course also introduces various federal environmental laws and regulations.	3.5 days	Inspector Wiki
CWA/NPDES Computer-Based Inspector Training	The course parallels the 2003 NPDES Compliance Inspection Manual and includes an overview of the NPDES Program, types of inspection procedures, sampling and flow measurement, and record keeping and reporting. Advanced modules include inspections for stormwater, sanitary sewer overflows, combined sewer overflows, pretreatment compliance, and biosolids, toxicity, and pollution prevention.	10 hours	Inspector Wiki
NPDES Permit Writers' Course	Provides the basic regulatory framework and technical considerations that support developing wastewater discharge permits. The course is designed for new permit writers, highlighting the process of developing, issuing, and complying with NPDES permits.	1 week	EPA and Tetra Tech
Self-Study Materials	<ul style="list-style-type: none"> • CWA §308 - Records, Reports, and Inspections • NPDES Compliance Inspection Manual (July 2004) Chapters 1–7 • Primer for Municipal Wastewater Treatment Systems • NPDES Compliance Monitoring Strategy (2007) <ul style="list-style-type: none"> ▪ Technology fact sheets: <ul style="list-style-type: none"> ▪ Conventional gravity sewers ▪ Lift station sewers ▪ Force main sewers ▪ Sewer Cleaning and inspection ▪ Screening and grit removal ▪ Oxidation ditches 	Various	EPA

Course Title	Course Description	Duration	Provider
	<ul style="list-style-type: none"> ▪ Trickling filters ▪ Fine bubble aeration ▪ Chlorine disinfection ▪ Dechlorination ▪ Ozone disinfection ▪ Ultraviolet disinfection 		
Additional Training	<ul style="list-style-type: none"> • Review a minimum of two final inspection reports, and prepare at least one final draft report. • Accompany an experienced Clean Water Act NPDES Compliance Inspector/Field Investigator as determined by the inspector's supervisor, on a minimum of five CWA NPDES inspections. • Conduct at least one on-the-job CWA NPDES inspection while being observed by an experienced credentialed compliance inspector/field investigator. 	Various	On-the-job training
Additional Mandatory Training Courses for Clean Water Act IPDES Inspectors in Specific Subprograms	<ul style="list-style-type: none"> • Stormwater (industrial, construction, and municipal separate stormwater sewer systems [MS4s]) • Sanitary sewer overflows • Combined sewer overflows • Pretreatment • Biosolids • Concentrated animal feeding operations • Vessels 	Various	EPA
Continuing Professional Development Opportunities for CIE Specialists			
8-Hour Health and Safety Refresher (HAZWOPER)	The 8-hour refresher course meets the requirements outlined in OSHA 29 CFR 1910.120 for 8 hours of annual refresher training for workers at hazardous waste sites. This course is designed for general site workers who remove hazardous waste or who are exposed or potentially exposed to hazardous substances or health hazards.	8 hours	Various
Advanced Environmental Crimes Training Program: CIT311	Designed to teach advanced investigation techniques to environmental regulators and criminal investigators.	80 Hours	Federal Law Enforcement Training Center
Performance Evaluations of Wastewater Treatment Facilities: CWA105	Designed for industrial and municipal wastewater treatment plant inspectors. It provides an overview of the basic treatment units, principals of operation, and key physical observations to evaluate treatment plant performance.	2–3 days	Inspector Wiki

Course Title	Course Description	Duration	Provider
Orientation to Wastewater Treatment Processes: CWA106	Focuses on basic unit processes of wastewater treatment and is designed for new inspectors or inspectors transferring from other programs. Topics include wastewater characteristics, natural treatment systems, mechanical treatment systems, dual processes, basic wastewater microbiology, physical observations, wastewater flow measurement, and sampling. The course also includes a tour of an operational wastewater treatment facility.	3 days	Inspector Wiki
Enforcement Teamwork: Regulations to Resolutions: CST208	Provides overview of basic procedures and issues surrounding all aspects of the enforcement program, focusing on teamwork, case development, field work, and case resolutions. Course will refine the understanding and coordination skills of students and will support many existing courses by borrowing a small piece of each and building a vision for how various components of enforcement work together.	5 days	Inspector Wiki
Field Investigators Course: CST209	Designed for experienced investigators and regulatory personnel. Through practical exercises, the participants work in multidisciplinary teams to investigate and develop cases around seven scenarios involving environmental crimes.	3 days	Inspector Wiki
Advanced Inspector Training: CST309	Designed for inspectors with at least 3 years of experience, provides discussion, demonstrations, and practice in specific skills, such as information research, digital camera usage, vulnerability assessment, interviewing, report writing, lab fraud, and program enhancements.	3 days	Inspector Wiki
CWA/NPDES Inspector Train-the-Trainer Course CWA306	Provides instructor training to experienced NPDES inspectors. As a train-the-trainer participant, you will be provided instructional and facilitator skills, and receive content materials and instructional aids necessary to instruct other inspectors interested in the CWA/NPDES program and inspector activities.	3 days	Inspector Wiki
CESCL: Certified Erosion and Sediment Control Lead	General principles of erosion and sediment control will be covered; a variety of BMPs will be evaluated; discussion about how federal policy is reflected in state permits; and specific examples of how construction site managers are using BMPs to successfully manage their projects will be reviewed.	2 days	NWETC and IECA
Webcast Training Resources	<ul style="list-style-type: none"> • Combined sewer overflows • Concentrated animal feeding operations • Energy management • Green infrastructure • Pesticides • Pretreatment • Sanitary sewer overflows • Stormwater • Vessels • Joint EPA-Federal Highway Administration webcasts 	Online	EPA

Course Title	Course Description	Duration	Provider
Introduction to Environmental Enforcement Course	Focuses on the process of enforcement within the regulatory system.	3 days	Western States
Complex Case Development	Advanced course designed to allow teams of regulators, investigators, prosecutors, and civil attorney to work as a task force through a practical exercise toward both a civil and criminal court proceeding.	3–5 days	Western States
Training Identified by IPDES Personnel and Supervisors	TBD	TBD	TBD
<p><i>Notes:</i> US Environmental Protection Agency (EPA); Occupational Safety and Health Administration (OSHA); Code of Federal Regulations (CFR); National Pollutant Discharge Elimination System (NPDES); on-the-job training (OJT); Clean Water Act (CWA); Northwest Environmental Training Center (NWETC); Certified Erosion and Sediment Control Lead (CESCL); best management practice (BMP); International Erosion Control Association (IECA); to be determined (TBD)</p> <p>^aUnless new personnel have already completed equivalent trainings or as authorized by the IPDES CIE lead.</p>			

Appendix G. EPA Order 3500.1 Program-Specific Training Requirements

This page intentionally left blank for correct double-sided printing.

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

CLEAN WATER ACT (CWA) §402
TRAINING REQUIREMENTS FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM INSPECTORS

EPA Order 3500.1 establishes minimum and consistent Agency-wide training and development programs for employees conducting, participating in, or assisting with environmental compliance inspections/field investigations. EPA's training program consists of three parts:

- 1) Occupational Health and Safety Course
 - a. [EPA Employees](#)
 - b. Non-EPA Employees: [Course Registration](#) [Launch Course](#)
- 2) Basic Inspector Training (BIT) Curriculum [Course Registration](#) [Launch Course](#)
- 3) Program-Specific Curriculum

The Occupational Health and Safety Curriculum consists of a mandatory Health & Safety Training specified by the HQ or Regional Health & Safety Officer. The Basic Inspector Curriculum consists of the Basic Inspector Training (BIT) offered by the National Enforcement Training Institute (NETI). The Program-Specific Curriculum establishes the mandatory and recommended training in legal, programmatic, and technical subjects for each major media program or specific program compliance inspection/field investigation activity. This document sets out the program-specific curriculum for the CWA NPDES Program and required refresher training.

You must complete the Occupational Health & Safety, BIT, and CWA NPDES Program-specific training to become a credentialed Compliance Inspector/Field Investigator in the CWA NPDES Program. Once you have completed both the Occupational Health and Safety Curriculum and the Basic Inspector Curriculum, you may request an "Inspector-In-Training" credential. This credential allows you to participate in field activities, including on-the-job training, in the company of a CWA NPDES Lead Compliance Inspector/Field Investigator.

If you are not yet a CWA NPDES credentialed Compliance Inspector/Field Investigator (for example, if you are a newly hired inspector, a Compliance Inspector/Field Investigator in a program other than the CWA NPDES Program, or a previously credentialed Compliance Inspector/Field Investigator that has allowed your credentials to lapse for greater than a year) and want to become one, you must complete and document that you meet all mandatory requirements for new CWA NPDES inspectors in the section below entitled "Requirements for New CWA NPDES Program Inspectors."

In order to obtain Compliance Inspector/Field Investigator credentials you and your supervisor are required to document, certify, and submit to your Regional or headquarters credentials contact, documentation of completion of the Occupational Health and Safety training, BIT, and CWA §402 program-specific training. Once you and your supervisor have certified that you have completed all required training and you have obtained your credentials, you are a credentialed Compliance Inspector/Field Investigator and can conduct, participate, in, or assist with CWA NPDES inspections. Records of your training must be tracked and be available upon request. Beginning in 2014, the Talent Management System (TMS) will be piloted in a number of regions. The TMS will be the Agency's official repository for tracking all employees' training. If your region is not part of the pilot, you may track your inspector training in an equivalent database until the TMS is implemented in your region.

As a credentialed Compliance Inspector/Field Investigator in the CWA NPDES Program, you must annually complete the mandatory refresher requirements for currently credentialed CWA NPDES

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

Program inspectors in the section below entitled "Mandatory Requirements for Currently Credentialed CWA NPDES Program Inspectors" to maintain your credentials. These mandatory annual training requirements include: the Occupational Health and Safety refresher training; CWA NPDES Program-specific refresher training; and Inspection Skills Refresher Training.

These requirements will be updated from time-to-time. Inspectors and supervisors should verify that they have the most recent version of these requirements by checking the Inspector Wiki. During the current and future "re-credentialing" process, inspectors and supervisors must ensure that they have met all of the requirements that applied at the time the inspector obtained their original Compliance Inspector/Field Investigator credentials, in addition to each year's most recent mandatory refresher training. If an individual has commenced program-specific training to obtain new Compliance Inspector/Field Investigator credentials, and that program-specific training is updated before that person has obtained their credentials, they may choose to complete the training that existed at the time they commenced their program-specific training or they may start over with the new and most recent program-specific training. The requirements listed below are minimum requirements and a supervisor may, at any time, require additional training, as necessary.

Notes:

These requirements establish the baseline requirements for CWA NPDES Program inspectors only. These requirements do not apply to inspectors conducting inspections under either CWA §404 Wetlands or CWA §311 (OPA/SPCC) programs. Requirements for inspectors conducting inspections under either CWA §404 Wetlands or CWA §311 (OPA/SPCC) programs can be found in separate program-specific requirements elsewhere in EPA Order 3500.1. In this set of requirements, some requirements apply to all CWA NPDES inspectors, while others apply only to those inspectors who will perform inspections in a specific CWA NPDES Sub-Program. Additional requirements are required for inspectors in the following CWA NPDES Sub-Programs:

- Stormwater (Industrial, Construction, and Municipal Separate Stormwater Sewer Systems (MS4s))
- Sanitary Sewer Overflows (SSOs)
- Combined Sewer Overflows (CSOs)
- Pretreatment
- Biosolids
- Concentrated Animal Feeding Operations (CAFOs)
- Vessels

Requirements for New CWA NPDES Program Inspectors

Mandatory Training Courses for All New CWA NPDES Inspectors

The following training courses are required by all New CWA NPDES inspectors. Inspectors that will conduct inspections in specific sub-programs must complete these requirements along with the "Mandatory Training Courses for CWA NPDES Inspectors in Specific CWA NPDES Sub-Programs" below.

- CWA NPDES Basic Inspector Course
[Course Registration](#) [Launch Course](#)

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

- [Web-Based NPDES Permit Writers' Training](#) (approx. 9 hours)
Inspectors may substitute the [NPDES Permit Writers' Training](#) classroom course for the web-based version. The five-day classroom training is offered on a regular basis by EPA's Office of Water.

Additional Mandatory Training Courses for CWA NPDES Inspectors in Specific CWA NPDES Sub-Programs

New CWA NPDES Inspectors that will conduct inspections in specific sub-programs must complete the following training requirements in addition to the requirements in "Mandatory Training Courses for All CWA NPDES Program Inspectors" above.

Stormwater (Industrial, Construction, and Municipal Separate Stormwater Sewer Systems (MS4s))

- CWA NPDES Advanced Inspector Training - Stormwater
[Course Registration](#) [Launch Course](#)

Sanitary Sewer Overflows (SSOs)

- CWA NPDES Advanced Inspector Training – Sanitary Sewer Overflows (SSOs)
[Course Registration](#) [Launch Course](#)

Combined Sewer Overflows (CSOs)

- CWA NPDES Advanced Inspector Training – Combined Sewer Overflows (CSOs)
[Course Registration](#) [Launch Course](#)

Pretreatment

- CWA NPDES Advanced Inspector Training - Pretreatment
[Course Registration](#) [Launch Course](#)

Biosolids

- CWA NPDES Advanced Inspector Training - Biosolids
[Course Registration](#) [Launch Course](#)

Concentrated Animal Feeding Operations (CAFOs)

- CAFO Technical Fundamentals for Inspectors
[Course Registration](#) [Launch Course](#)
- CAFO Field Visit—Inspector must participate in a field visit to a CAFO to observe and learn how CAFO facilities are designed and operated with a person knowledgeable in CAFO operations. This field visit would not substitute for any of the requirements in the Mandatory On-The-Job Training (OJT) required below. This requirement may be met in a number of different ways including, but not limited to, the following:
 - External educational opportunities such as attending a field tour of a livestock operation sponsored by a university extension office.

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

- o Internal educational opportunities such as accompanying a senior CAFO inspector knowledgeable in CAFO operations on a field visit or CAFO inspection with the intended purpose of observing and learning about how CAFO facilities are designed and operated.

Mandatory Self-Study for All New CWA NPDES Inspectors

All new CWA NPDES inspectors must read and/or familiarize themselves with the following self-study materials. When the requirement says to "read," the inspector should read and know the material. The inspector will be tested to ensure a minimum knowledge level. When the requirement says to "be familiar," the inspector should read through the material to gain appropriate familiarity with the scope and organization of the information should they need to access it expeditiously in the future. Inspectors that will conduct inspections in specific sub-programs must complete these requirements along with the "Mandatory Self-study for CWA NPDES Inspectors in Specific CWA NPDES Sub-Programs" below.

1) *Read the following:*

- Clean Water Act Section 308—Records, Reports, and Inspections
[Self-study Registration](#) [Launch Self-study](#)
- NPDES Compliance Inspection Manual (2004), Chapters 1-7 - includes information on 40 CFR 2: Public Information, Subpart B: Confidentiality of Business Information (CBI)
[Self-study Registration](#) [Launch Self-study](#)
- Primer for Municipal Wastewater Treatment Systems
[Self-study Registration](#) [Launch Self-study](#)

2) *Be familiar with the following guidance/reference materials:*

- [NPDES Compliance Monitoring Strategy \(CMS\) \(2007\)](#)
- [Technology Fact Sheets](#)
 - o [Conventional gravity sewers](#)
 - o [Lift station sewers](#)
 - o [Force main sewers](#)
 - o [Sewer cleaning and inspection](#)
 - o [Screening and grit removal](#)
 - o [Oxidation ditches](#)
 - o [Trickling filters](#)
 - o [Fine bubble aeration](#)
 - o [Chlorine disinfection](#)
 - o [Dechlorination](#)
 - o [Ozone disinfection](#)
 - o [UV disinfection](#)

Additional Mandatory Self-Study for New CWA NPDES Inspectors in Specific CWA NPDES Sub-Programs

New CWA NPDES inspectors that will conduct inspections in specific sub-programs must read and/or familiarize themselves with the following self-study materials. The inspectors must complete the following self-study requirements in addition to the requirements in "Mandatory Self-study for All CWA

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

NPDES Inspectors” above.

Stormwater (Industrial, Construction, and Municipal Separate Stormwater Sewer Systems (MS4s))

1) Read the following:

- NPDES Compliance Inspection Manual (2004), Chapter 11
[Self-study Registration](#) [Launch Self-study](#)

2) Be familiar with the following guidance/reference materials:

- [40 CFR Part 122.26 \(a\) & \(b\)](#) – Storm Water Discharges (Applicable to State NPDES Programs)

Sanitary Sewer Overflows (SSOs)

1) Read the following:

- NPDES Compliance Inspection Manual (2004), Chapter 13 - Sanitary Sewer Overflows
[Self-study Registration](#) [Launch Self-study](#)

2) Be familiar with the following guidance/reference materials:

- [40 CFR 122.41 \(d\) and \(e\)](#) – Duty to Mitigate and Proper operation and maintenance (Standard conditions in a Permit)
- [Sanitary Sewer Overflows and Peak Flows Webpage FAQs and one Featured Case Study](#)

Combined Sewer Overflows (CSOs)

1) Read the following:

- NPDES Compliance Inspection Manual (2004), Chapter 12—Combine Sewer Overflow
[Self-study Registration](#) [Launch Self-study](#)
- 1994 CSO Control Policy
[Self-study Registration](#) [Launch Self-study](#)

2) Be familiar with the following guidance/reference materials:

- Clean Water Act Section 402(q)—Congress amended the CWA in 2001, adding Section 402(q) to require all permits, orders, and decrees issued to control CSOs, to conform to EPA’s 1994 CSO Control Policy.

Pretreatment

1) Read the following:

- NPDES Compliance Inspection Manual (2004), Chapter 9-Pretreatment
[Self-study Registration](#) [Launch Self-study](#)

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

2) *Be familiar with the following guidance/reference materials:*

- [40 CFR 403.1 to 403.6, 403.8, and 403.12](#)
- [Introduction to the National Pretreatment Program](#), (June 2011)

Biosolids

1) *Read the following:*

- NPDES Compliance Inspection Manual (2004), Chapter 10: Sewage Sludge
[Self-study Registration](#) [Launch Self-study](#)
- Environmental Regulations and Technology, Control of Pathogens and Vector Attraction in Sewage Sludge, Chapters One and Three
[Self-study Registration](#) [Launch Self-study](#)

2) *Be familiar with the following guidance/reference materials:*

- [40 CFR 503](#)— General Provisions, Parts 503.1 to 503.9.
- [Frequently Asked Questions on Biosolids](#)
- [Plain English Guide to the EPA Part 503 Biosolids Rule](#), Chapter 1 – Use of Disposal Sewage Sludge Biosolids

Concentrated Animal Feeding Operations (CAFOs)

1) *Read the following:*

- Routine Biosecurity Procedures for EPA Personnel Visiting Farms, Ranches, Slaughterhouses and other Facilities with Livestock and Poultry, December 2001
[Self-study Registration](#) [Launch Self-study](#)

2) *Be familiar with the following guidance/reference materials:*

- [40 CFR 122.42\(e\)](#)—Additional Conditions Applicable To Specified Categories of NPDES Permits, CAFOs
- [40 CFR 412](#) Concentrated Animal Feeding Operation (CAFO) Point Source Category:
 - 40 CFR 412.2, General definitions
 - 40 CFR 412.4, Best management practices (BMPs) for land application of manure, litter, and process wastewater
 - 40 CFR 412.31 Effluent limitations attainable by the application of the best practicable control technology (BPT) currently available
 - 40 CFR 412.37 Additional measures
 - 40 CFR 412.46 New source performance standards (NSPS)
- [Producers' Compliance Guide for CAFOs](#)
- [NPDES Permit Writers' Manual for Concentrated Animal Feeding Operations](#)

Vessels

1) *Read the following:*

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

- Vessel General Permit (VGP)
[Self-study Registration](#) [Launch Self-study](#)

2) *Be familiar with the following guidance/reference materials:*

- [EPA's Vessel General Permit Website](#)
- [Fact Sheet on the Vessel General Permit](#)
- [VGP Webcast](#)
- [Memorandum of understanding Between the U.S. Environmental Protection Agency, Office of Enforcement and Compliance Assurance and the U.S. Coast Guard, Office Of Marine Safety, Security And Stewardship for Collaboration on Compliance Assistance, Compliance Monitoring, And Enforcement of Vessel General Permit Requirements on Vessels](#) (February 2011)
- [US Coast Guard Policy Letter and Job Aid](#)

Mandatory On-the-Job Training (OJT)

OJT includes inspection preparation procedures, the inspection, and post inspection procedures. You must complete 1), 2), and 3):

1) Read the following NPDES inspection reports:

Inspectors must review a minimum of two (2) final inspection reports. These can include final inspection reports for inspections they participated in as part of their on-the-job training (OJT) requirements below. The new inspector's supervisor may require the review of more than two (2) final reports, if deemed necessary. In addition, the inspector must prepare at least one (1) final draft report in a timely manner for one of the required OJT inspections required below. The final draft report must be reviewed by an experienced credentialed Compliance Inspector/Field Investigator and any observations provided to the inspectors supervisor.

2) Accompany an experienced credentialed CWA NPDES Compliance Inspector/Field Investigator, as determined by the inspector's supervisor, on two (2) CWA NPDES inspections.

An experienced Inspector should be a credentialed inspector with the appropriate level of knowledge and experience in conducting inspections in the CWA NPDES Program, as determined by the supervisor of the inspector seeking the credential. In determining whether a credentialed Compliance Inspector/Field Investigator is "experienced," the supervisor should consider the number of years and frequency of inspections for that individual. Generally, 2-5 years experience or 25 documented inspections conducted in the CWA NPDES Program would be an indication that the person is an experienced credentialed Compliance Inspector/Field Investigator.

3) Conduct at least one (1) OJT CWA NPDES inspection while being observed by an experienced credentialed Compliance Inspector/Field Investigator as described above.

Observations from the experienced credentialed Compliance Inspector/Field Investigator should be documented, kept on file, and be used by the inspector's supervisor to determine readiness to conduct, participate in, or assist with inspections. An inspector's supervisor may require more OJT inspections, based on the supervisor's assessment of readiness, as appropriate.

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

The OJT inspections conducted must be comprehensive CWA NPDES Program inspections, e.g., Compliance Evaluation Inspections (CEIs), Compliance Sampling Inspections (CSIs), etc. NPDES Reconnaissance inspections would not count toward meeting the OJT requirement. For inspectors that will conduct inspections in CWA NPDES sub-programs, the supervisor should carefully evaluate whether an inspector has adequately developed the skills needed to lead the inspections. For example, if an inspector will conduct inspections at CAFOs, the supervisor should evaluate whether the inspector has adequately developed the skills and ability to evaluate compliance with nutrient management plans before approving the inspector for CAFO inspections.

If the region determines the inspector will conduct inspections in CWA NPDES sub-programs other than the NPDES sub-programs where the initial three (3) OJT inspections were conducted and approved, the supervisor must determine the number of OJT inspections needed before the inspector can be certified to conduct inspections in the additional NPDES sub-programs. Two (2) OJT inspections should be considered as a minimum number for each additional NPDES sub-program. A supervisor may approve less than two (2) OJT inspections, if the inspector is fully knowledgeable and experienced in those CWA NPDES subprograms.

Recommended Reference Materials for CWA NPDES Program Inspectors

All CWA Inspectors should consider reading and familiarizing themselves with the following reference materials and training.

Recommended Reference Materials for All CWA NPDES Program Inspectors

- [Field Manual for Performance Evaluation and Troubleshooting at Municipal Waste Water Treatment Systems](#), January 1978
- [Emerging Technologies for Wastewater Treatment and In-plant Wet Weather Management](#), March 2013
- [Water Environmental Federation](#) -- Purpose and Fundamentals of Wastewater Treatment -- This training course provides information on the importance of wastewater treatment, the characteristics of wastewater, and the role of an operator in treating wastewater.
- College or University courses on Wastewater Treatment and Hydraulics
- Training through state or regional programs. For example:
 - [Operation of Waste Water Treatment Plants](#) (Volumes I and II), Sacramento State
 - [New England Interstate Water Pollution Control Commission Training Center](#) offers a variety of wastewater and collection system courses

Recommended Reference Materials for CWA NPDES Inspectors in Specific Sub-Program

Stormwater (Industrial, Construction, and Municipal Separate Stormwater Sewer Systems (MS4s))

- [Stormwater 101: The Basics \(Webinar\)](#)
- [EPA's New Industrial Stormwater Permit: What You Need to Know about the MSGP 2008 \(Webinar\)](#)
- [EPA Multi-Sector General Permit](#)

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

Sanitary Sewer Overflows (SSOs)

- [Guide for Evaluating Capacity, Maintenance and Operation Management \(CMOM\)](#)

Combined Sewer Overflows (CSOs)

- [Report to Congress on Impacts and Control of Combined Sewer Overflows \(CSO\) and Sanitary Sewer Overflows \(SSO\)](#) (December 2003)
- [Report to Congress: Implementation and Enforcement of the Combined Sewer Overflow Control Policy](#) (December 2001)

Pretreatment

- [Webcast: 2010 Effluent Guidelines Program Plan: Update for State and Regional Pretreatment Coordinators](#) (90 minutes)
- [Introduction to National Pretreatment Program](#)
- [Pretreatment Streamlining Rule Fact Sheet Series](#)
- [Guidance Manual for Conducting a Pretreatment Compliance Inspection](#) (September 1991)
- [Industrial User Inspection and Sampling Manual for POTWs](#)

Concentrated Animal Feeding Operations (CAFOs)

- [Ag 101](#) - For inspectors without a background in animal agriculture--provides a brief overview of American agriculture and terminology.
- [CAFO Rule History](#)

Mandatory Requirements for Currently Credentialed CWA NPDES Program Inspectors

Annually complete each of the numbered items 1) through 5) below:

1. Inspectors should complete 8 modules from the Occupational Health and Safety Course to fulfill their annual health and safety refresher requirement. Inspectors should select 8 modules that reflect the type of field work and anticipated hazards typical of their assignments.

Occupational Health and Safety Refresher (8 hours annually)

[EPA Employees](#)

Non-EPA Employees: [Course Registration](#) [Launch Course](#)

2. At least one of the following CWA NPDES program-specific training or self-study listed below. An inspector may not repeat a training course or self-study to satisfy this requirement.
 - As a currently credentialed CWA NPDES Program Inspector who received credentials under previous versions of the EPA 3500.1 training requirements, complete any untaken training courses listed under "Mandatory Training Courses for All New CWA NPDES Inspectors" or "Additional Mandatory Training Courses for CWA NPDES Inspectors in Specific CWA NPDES Sub-Programs," as applicable; OR

EPA ORDER 3500.1 PROGRAM-SPECIFIC TRAINING REQUIREMENTS

- As a currently credentialed CWA NPDES Program Inspector who received credentials under previous version of the EPA 3500.1 training requirements, complete any uncompleted self-study listed under the "Mandatory Self-Study for All New CWA NPDES Inspectors" or "Additional Mandatory Self-Study for CWA NPDES Inspectors in Specific CWA NPDES Sub-Programs," as applicable; OR
 - Complete at least one of the recommended reference materials listed under "Recommended Reference Materials for CWA NPDES Program Inspectors," as applicable; OR
 - Attend the Office of Compliance's CWA/NPDES National Technical Inspector Workshop held on a periodic basis. For more information contact the OECA's Office of Compliance, Monitoring, Assistance and Media Programs Division; OR
 - The inspector, in consultation with his/her supervisor may select other CWA NPDES trainings, inspector workshops, or self-study materials to meet this requirement.
3. At least one refresher training course from the Inspector Wiki listed under the section entitled "Inspection Skills Refresher Training." This refresher training includes topics such as "Chain of Custody," "Interviewing Techniques," and "Being a Witness." This training can be found by navigating to the Inspector WIKI, selecting "Training – Credentials," then selecting "Take Refresher Training to Maintain Existing Federal Inspector Credentials," then scrolling down to "Inspection Skills Refresher Training." To satisfy this annual requirement, an inspector may not repeat an Inspection Skill Refresher Training Course until all have been completed. Upon completion of all of the listed courses, the inspector and supervisor may select other similar inspector refresher training to meet this annual requirement.
 4. Continue to be familiar with the guidance/reference manuals applicable to the types of inspections the currently credentialed CWA NPDES inspector performs listed above under "Mandatory Self-Study for All New CWA NPDES Inspectors" and "Additional Mandatory Self-Study for CWA NPDES Inspectors in Specific CWA NPDES Sub-Programs."
 5. Become familiar with any new regulations and policies applicable to the types of inspections the currently credentialed CWA NPDES inspector performs as they are issued.

Appendix C. IPDES Program Analysis

This page intentionally left blank for correct double-sided printing.

1 Introduction

1.1 Background

As Idaho seeks to gain delegated authority for National Pollutant Discharge Elimination System (NPDES) program elements, overall program structure and budget must be determined. Building a program from the ground up means numerous opportunities to craft a structure that is both responsive and efficient. However, to do this, an accurate understanding of the NPDES workload in the state and the effort necessary to staff a full program is required. Several decision analysis reports written over the last 14 years were used in the final decision to seek NPDES authorization. These reports built a foundation for budgeting but are now outdated.

1.2 Purpose and Scope

This appendix provides the final results from the national resource model. Previous versions of this were shared with the stakeholder committee in January 2015 and May 2015. This final draft provides updated numbers and estimates of workload based on permit numbers and inspections estimated from a data query run in April 2016. This updated version provides the best final estimates available based on current data and predictions of workload. The estimates provided here will describe the needs of the Idaho Pollutant Discharge Elimination System (IPDES) program with regards to both staffing and cost and present a final program budget estimate based on projected workload.

1.3 Summary

This report details projected programmatic workload both in personnel and budget for a fully functional IPDES program. The estimations reported here include staffing at 29 full-time equivalents (FTEs) and a budget of \$3.0 million. The proposed IPDES program organization uses three section: (1) program management; (2) permitting; and (3) compliance, inspection, and enforcement (CIE).

Currently, it is projected that the 29 positions will be split into the three sections as follows:

- Eight positions in program management, including a program manager, three section leads, a data management system coordinator, a web design/database administrator, an attorney, and an administrative assistant;
- Seven positions in permitting; and
- Fourteen positions in CIE.

The previous reports provided a different number of staff necessary and different distributions of those staff among the three sections. A comparison of the various results from the different decision analysis reports is found in Table C-1. As IPDES program personnel have gained a better understanding of how the resources, both human and fiscal, will be best employed, these estimates and distributions have changed. DEQ believes the results described in this appendix to be the most accurate estimate based on the current data available to describe both the universe of NPDES permittees in Idaho and the effort needed to support a mature IPDES program.

Table C-1. Comparison of FTEs and cost of program from different analysis reports.

Year of Report	Total FTEs	Total Program Cost (\$)
2000	31	1,955,687
2002	21	1,890,867
2005	23	1,124,091
2015	26	2,761,670
2016 (this appendix)	29	3,034,500

2 Methods

2.1 Resource Model (Version 5.1)

EPA Region 10 provided the Idaho Department of Environmental Quality (DEQ) with a copy of the State Water Quality Management Resource Model version 5.1 in October 2014. This model was developed by a focus group consisting of state representatives, EPA staff, and other concerned stakeholders. The purpose of developing the model was to provide states with a flexible, accurate, and user-friendly tool to estimate resource needs and document budget requests.

2.2 Model Assumptions

Default values (see Table C-2) for many components are provided in the model and represent the best estimates of the focus group participants for an *average* or *typical* state. The model forecasts programmatic needs for 5 years based on the input and default values. The calculation of a FTE uses 1,784 hours per FTE. Although there are 2,080 hours available in a year, hours allowed for sick, holiday, and vacation leave reduce the total time available per FTE to complete work.

Basic information required to run the model includes the overall number of individual NPDES-permitted facilities and the number of entities requesting coverage under a general permit. Individual permitted facilities are categorized as either major or minor to estimate the resources required to write permits but not further categorized as industrial or municipal. In Idaho, 37 individual permits have been written for major dischargers (29 for major municipal and 8 for major industrial) and 102 permits for minor dischargers (80 minor municipal and 22 minor industrial).

Table C-2. Default values supplied with resource model and used in calculating staffing resource needs.

Item	Default Value (hours)
Complex individual permit development	400
Simple individual permit development	200
Complex general permit	3600
Simple general permit	400
DMR review	0.5
Permit Appeal	40-240
Inspections (average)	5-160
Complaint Investigation	16
Violation Response	4-40
Administrative Orders	160
Assistance activities	10% of total hours
Training	2% of total hours
Emergency Response	5% of total hours

2.2.1 Program Management

Program management encompasses the overall development of rules, guidance, and policy for the IPDES program. In the current programmatic strategy, this area also includes the data management, fee administration, and quality assurance system. The workload required for program management and oversight includes establishing and implementing division policies, developing and updating the state's short- and long-term point source control strategies, and planning legislative actions. Program management and oversight reflects the resource needs of all aspects of the point source control program (including oversight of the pretreatment program and consultation with a deputy attorney general).

For this component of the IPDES program, the model uses a default value of 6,000 hours for program planning, management, and oversight. Additionally, a default of 3,200 hours for rule and guidance development, review and revisions, and 3,600 hours for administration of the fee program are used. These default values were identified by the focus group during model development as those most likely needed for this program component for a typical state.

Data management is identified in a separate module of the model and includes data management for all water quality programs (e.g., ambient monitoring, Integrated Report needs, and total maximum daily loads [TMDLs]) into a single computation. Therefore, using the model to identify needs for the data management component specific to the IPDES program is less straightforward than other components such as management, permitting, and compliance.

2.2.2 Permitting

Permitting encompasses the overall development of individual and general for the IPDES program. In the current programmatic strategy, this area also includes approving applications for coverage under general permits. The workload required for permitting includes engineering plan review; application mailing; pre-permit conference; application receipt, log in, and completeness

review; application review; site visit and inspection report review; permit modeling and re-modeling; development or revision of permit limits and other conditions; drafting permit and fact sheet; public notice of permit issuance or renewal; public hearing; receipt, log in, and response to comments; permit finalization; filing NOIs/registrations; and permit maintenance.

The model requires that both major and minor individual permits were placed into one of three categories (simple, complex, and very complex) based on their technical complexity and political sensitivity. This allocation was completed by assigning appropriate percentages of each permit type into each of the three categories as shown in Table C-3.

Table C-3. Summary of values used to calculate effort necessary for permit appeals.

	"Simple"	"Complex"	"Very Complex"
Distribution of permits			
NPDES permits for major facilities	30%	40%	30%
NPDES permits for minor facilities	50%	30%	20%
Frequency of Appeals (%)			
NPDES permits for major facilities	10.0%	5.0%	5.0%
NPDES permits for minor facilities	5.0%	2.0%	2.0%
Hours / Appeal			
NPDES permits for major facilities	40 hrs	120 hrs	240 hrs
NPDES permits for minor facilities	40 hrs	120 hrs	240 hrs

2.2.3 Compliance, Inspection, and Enforcement

The compliance, inspection, and enforcement component covers aspects of permit maintenance such as reviewing discharge monitoring reports, inspecting facilities according to the compliance monitoring strategy, reporting on compliance issues, and enforcing permit conditions. DEQ works with EPA currently in the CIE component of IPDES by inspecting facilities and reporting those findings to EPA staff in the Office of Enforcement and Compliance Assurance.

States must review discharge monitoring reports (DMRs) submitted by all regulated facilities. The number of DMRs submitted by a particular facility varies according to facility size, whether it is a municipal or industrial facility and the expected nature of pollutants. Table C-6 describes the expected average number of DMRs per facility class used in the model.

Many states provide substantial assistance to regulated and unregulated facilities to enhance the ability of these facilities to comply with regulations and protect public health. Typical assistance activities include compliance assistance (e.g., permit development guidance and data submittal assistance); technical assistance (e.g., on-site assistance and troubleshooting, assistance to non-NPDES facilities, CWA §104(g), award program, outreach to technical and professional organizations, and operator certification and continuing education); financial assistance (e.g., assistance with financial management and loan applications); and capacity assurance. The model

applies a percentage add-on to all point source control activities (i.e., permitting, compliance, enforcement, and septage) for this line item: add-on for assistance activities, 10.0%. This add-on is shown as a line item in Table C-11.

2.3 Model Inputs

This section describes the three main components of the IPDES program, describes the assumptions that went into the model development, compares the model outputs with the current resources used by EPA and DEQ to provide a projected workload estimate, and compares various staffing options for each of the program components.

2.3.1 Program Management

There were no inputs to use for the program management component of the model other than default values. However, DEQ's evaluation of the default values provided with the model suggests that these values are likely higher than necessary given the structure of the IPDES program. The projected workload for this component of the IPDES program was determined based on best professional judgment using programmatic structures from other DEQ water quality programs within DEQ. Table C-8 shows the projected number of hours allocated to each position within the program management component.

2.3.2 Permitting

For modelling purposes, current numbers and types of dischargers were identified as shown in Table C-4. The number and type of general permits written for and effective in Idaho are shown in Table C-5.

To calculate programmatic resource needs for the pretreatment program, the model requires identifying the total number of municipal dischargers and the number of those with pretreatment programs. Additionally, if DEQ will be taking over the responsibility for regulating Categorical Industrial Users (CIUs) and Significant Industrial Users (SIUs), the total number of these in the state that will be regulated should be identified and added to the model input values.

Because sanitary sewer overflows (SSOs) add an additional burden to the program, the model requires input of municipalities that have SSOs. Also, combined sewer overflows (CSOs) require additional time. Currently, Idaho does not have any CSO facilities.

Finally, the model requires the input of the number of facilities that are covered under the various types of general permits. For Idaho, 94 facilities are covered under the aquaculture general permit, 100 under the pesticide general permit, 80 under the recreational dredging permit, 8 under the ground water remediation general permit, 278 under the construction general permit (GCP), 7 under the multisector general permit (MSGP), and 16 under the municipal separate storm sewer system (MS4) general permit. The workload associated in the permitting section for this includes review and authorization of the notice of intent (NOI) for coverage.

Table C-4. Permitted facilities in Idaho, 2014.

NPDES Program	Current Number
Major facilities with individual NPDES permits (includes POTWs)	37
Minor facilities with individual NPDES permits (includes POTWs)	122
Clean Water Act (CWA) §316 Program	
Power plants that require CWA §316 reviews	0
Publicly Owned Treatment Works (POTWs)	
All POTWs (with or without pretreatment programs)	109
POTWs with pretreatment programs	12
POTWs with pretreatment programs and with authority to regulate CIUs and SIUs	12
CIUs and SIUs regulated directly by state for pretreatment	0
Wet Weather Dischargers Inventory	
Combined sewer overflows	0
Municipalities with sanitary sewer overflows	109
General Permit Programs (facilities regulated under a general permit)	
Concentrated animal feeding operations	0
Storm water dischargers	1,235
Aquaculture dischargers	94
Other facilities	316

Notes: CIU = Categorical Industrial User; SIU = Significant Industrial Users

For the purposes of planning and to estimate projected workload, a proposed schedule of issuing general permits was drafted as shown in Table C-5. Typically a general permit will be written when the current EPA-generated permit expires. This proposed schedule is for planning purposes only and does not represent the actual timing for writing these permits.

The three storm water-related general permits are CGP, industrial MSGP, and MS4. For planning purposes, these are proposed to be written one per year for the first 3 years after that phase is authorized. The aquaculture general permit is actually a series of three permits; one for discharges to impaired waters, one for discharges to unimpaired waters, and one for fish processors. Other general permits include:

- Concentrated animal feeding operations,
- Pesticide general permit,
- Drinking water treatment facility
- Vessel general permit,
- Ground water remediation, and
- Recreational suction dredging.

Table C-5. Proposed schedule for renewal of state general permits.

State General Permits	Previously Issued Permits	Anticipated Schedule for Issuing New General Permits				
		2020	2021	2022	2023	2024
Concentrated animal feeding operations	1	0	0	1	0	0
Storm water	3	0	0	1	1	1
Aquaculture	3	3	0	0	0	0
Other	6	0	2	1	2	1

2.3.3 Compliance, Inspection, and Enforcement

Discharge monitoring reports are submitted on a regular basis depending on the type of covered facility. Table C-6 describes the default values used in calculating the workload associated with the review of discharge monitoring reports.

Table C-6. Discharge monitoring reports by facility.

Type of Facility	Average Number of DMRs per Facility per Year
Major facility with individual NPDES permit	12.0
Minor facility with individual NPDES permit	12.0
Combined sewer overflows and sanitary sewer overflows	0.0
Non storm water general permittee	12.0
Aquaculture general permittee	12.0
Storm water general permittee	1.0

Based on an evaluation of the total number of facilities in each of the major NPDES sectors and both the national and Idaho specific Compliance Monitoring Strategies, DEQ developed an estimated number of inspections that would be required each year when the program is fully operational. These are listed in Table C-7.

Table C-7. Total inspections per year.

IPDES Permit Type	Comprehensive Inspection Frequency by Year or Percentage	Number of Facilities in Idaho	Total Facilities to be Inspected in a Given Year
Major	1 inspection every 2 years	29 POTW 8 industrial	18
Minor	At least 1 inspection every 5 years and 5% per year	80 POTW 22 industrial	25
Pretreatment	2 inspections every 5 years	12	5
Sewage sludge/biosolids	1 inspection every 5 years for permitted facility	118	24
CSS/SSS	5% of permittees inspected when treatment works is inspected	109	6
MS4	1 inspection every 5 years for compliance monitoring activity	30	Approximately 6
Industrial storm water	10% per year	Approximately 275 ^a	Approximately 28
No exposure	10% per year	Approximately 200	Approximately 20
Construction storm water	10% per year	Approximately 640 ^b	Approximately 64
Low erosivity waiver	10% per year	Approximately 120	Approximately 12
Large/medium CAFO	1 inspection every 5 years for permitted facility	0	—
Medium/small CAFO	As needed based on a citizen tip or complaint	0	—
Pesticide	Complaint driven	130	Unknown
Vessel	Complaint driven	6 (varies annually)	Unknown
CAAP	1 inspection every 2 years for major (including processors)	81 minor 18 major	17 minor 9 major
	1 inspection every 5 years for minor		
DWGP	5% of permittees	7	2
Small suction dredge	5% of permittees	162(varies annually)	8
Ground water remediation	5% of permittees	6	1
Total Annual Inspections			Approximately 246

a. Estimates are based on conversations between T. Smith of DEQ and K. Burgess of EPA, February 2016

b. Estimate was extrapolated from information provided by EPA, February 2016 for calendar year 2015 active construction storm water permitted activities.

Notes: publicly owned treatment work (POTW); combined sewer system (CSS); sanitary sewer system (SSS); Municipal Stormwater General Permit (MSGP); municipal separate sewer systems (MS4s); Construction General Permit (CGP); concentrated animal feeding operation (CAFO); concentrated aquatic animal production (CAAP); Drinking Water General Permit (DWGP)

3 Results

3.1 Program Management

DEQ's current strategy for program management includes a program manager; rules and guidance coordinator; permits lead; and CIE lead. Allocating hours to the projected workload for various activities within the program management component was done as follows:

- Program management
 - Program manager: 100% (1,784 hours)
 - Permits lead: 70% (1,249 hours)
 - CIE lead: 70% (1,249 hours)
- Rules and guidance development
 - Rules and guidance coordinator: 100% (1,784 hours)
 - Permits lead: 30% (535 hours)
 - CIE lead: 30% (535 hours)
- Program administration and support
 - Data management coordinator: 100% (1,784 hours)
 - Database/Web design support: 100% (1,784 hours)
 - Deputy attorney general: 100% (1,784 hours)
 - Administrative assistant for fee administration: 90% (1,566 hours)
 - Administrative assistant for program support: 25% (450 hours)

To estimate the projected workload, program fee administration is assumed to be similar to the drinking water program. Roughly three-quarters of the time for the administrative assistant assigned to support that program is used for sending invoices, providing public assistance, updating address information, reporting, and managing the invoice information. Based on fiscal year (FY) 2014, the drinking water administrative assistant spent 1,366 hours in fee administration. Additionally, DEQ's fiscal office used approximately 200 hours in fee administration to assist with invoicing. Administrative support for the program management section would require 450 hours.

For ease of planning the projected workload estimates shown in Table C-8 allocate all the hours associated with a deputy attorney general to the program management component. However, it is more likely that this individual's time will be spent in all three of the IPDES program components (program management, permit appeals, and enforcement).

Table C-8. Hours estimated for program management.

Activity	Projected Workload (hours)
Program Management	
Program manager	1,784
Permits lead	714
CIE lead	714
Subtotal	3,212
Rules and Guidance Development	
Rules and guidance coordinator	1,784
Permits lead	535
CIE lead	535
Subtotal	2,854
Program Administration and Support	
Data management	1,784
Fee administration	1,566
Deputy attorney general	1,784
Administrative support	450
Subtotal	5,584
Total	11,650 (7 FTE)

Notes: CIE = compliance, inspection, and enforcement ; FTE = full-time equivalent

Values in Table C-9 show the hours needed for data management in the IPDES program based on the model inputs. DEQ has an EPA Exchange Network (EN) grant to help defray the costs of developing the infrastructure (database configuration and website application design) for the program. Therefore, the cost of developing a 120-day plan for a one-stop reporting program will be covered under the EN grant.

Default values for data management were supplied with the model; however, these values were calculated for an entire water quality program including TMDL, monitoring, reporting, nonpoint source, grants, loans, wetlands, coastal programs, water quality standards, and regional initiatives. Additional costs for start-up of a geographic information system (GIS) were also incorporated into the model. DEQ already has a relatively robust GIS system in place with 2.5 FTE support staff working on GIS implementation. Therefore, for GIS workload estimation, the model was reduced from a default value of 10,800 hours for development to 0. Maintenance and improvement hours should be minimal, roughly 200–400 per year. Data retrieval will not be the responsibility of the GIS staff.

Table C-9. Model outputs for data management component of IPDES program.

Activity	Model Estimation (hours)
General Data Management Activities	
Data processing	
<ul style="list-style-type: none"> • Integrated Compliance Information System (or equivalent) 	1,050
System maintenance and administration	
<ul style="list-style-type: none"> • User support 	1,290
Data System Improvement and Integration	
Develop objectives and strategies	446
Implement system update	446
Geographic Information Systems	
Maintenance and improvement	200
Website Design, Development, and Maintenance	
	1,040
Total	4,472 (2.5 FTE)

3.2 Permitting

The EPA model predicts need for 13,868 hours or 7.8 FTEs in the permitting component. A breakdown of the various responsibilities is shown in Table C-10 and uses a percentage value to determine the overall number of permits or facilities that are affected in each of the categories. Since most permits are valid for 5 years, theoretically one-fifth or 20% of all permits in that category should be up for renewal during any given year. Other percentage values used in Table C-9 are default values established by the focus group that created this model.

While attempting to determine an average annual cost for the IPDES program, it is difficult to address one-time costs such as general permits which occur once every 5 years. EPA's model estimates these needs by applying a percentage of the one-time permit writing and permit renewal for all the general permits a state would anticipate writing. Overall, there will be roughly 2 general permits per year that will need to be written, although some years will see a heavier burden than others.

Table C-10. Model estimations for time required in permitting component.

Activity	Percentage (%) of Permits/Facilities Affected	Number of Permits/Facilities Affected	Required Effort (hours/permit or facility)	Total Hours Required Effort for Line Item
Permit Issuance				
Individual permit issuance or renewal^a				
• NPDES permits for major facilities	20%	7.4	400	2,960
• NPDES permits for minor facilities	20%	24.0	200	4,800
General permits^b				
• Initial permit development				
▪ Concentrated animal feeding operations	One time only	0.20	3,600	720
▪ Stormwater	One time only	0.6	3,600	2,160
▪ Aquaculture	One time only	0.40	400	160
▪ Other	One time only	1.00	400	400
• Permit renewal				
▪ Concentrated animal feeding operations	20%	0.20	1,800	360
▪ Stormwater	20%	0.60	1,800	1,080
▪ Aquaculture	20%	1.60	200	320
▪ Other	20%	0.80	200	160
• Authorization for coverage under general permit	20%	329	2	658
Permit Appeals				
Individual permits^c				
• NPDES permits issued for major facilities				
▪ Simple	10%	0.22	40	9
▪ Complex	5%	0.15	120	18
▪ Very complex	5%	0.11	240	27
• NPDES permits issued for minor facilities				
▪ Simple	5%	0.60	40	24
▪ Complex	2%	0.11	120	18
▪ Very complex	2%	0.10	240	27
General permits				
• Concentrated animal feeding operations	1%	0.00	240	0
• Storm water	1%	0.02	240	4
• Aquaculture	1%	0.01	240	4

IPDES Program Description

• Other	1%	0.02	240	4
Extraordinary permits (e.g., CWA §301(h) permit)	NA	0.0	1,500	0
Total annual workload for permitting activities				13,868
Total FTE:				7.8

- a. The estimate for the effort associated with individual permit issuance reflects the time associated with the following activities: engineering plan review; application mailing; pre-permit conference; application receipt, log in, and completeness review; application review; site visit and inspection report review; permit modeling and re-modeling; development or revision of permit limits and other conditions; drafting permit and fact sheet; public notice of permit issuance or renewal; public hearing; receipt, log in, and response to comments; permit finalization; and permit maintenance. The estimate for permit issuance includes the consideration of pretreatment requirements. Aquaculture facilities and ballast discharges are typically regulated under the NPDES program; therefore, they are included as minor NPDES permits.
- b. The estimate for the effort associated with general permit issuance reflects the time associated with the following activities: development or revision of permit limits and other conditions; drafting permit and fact sheet; public notice of permit issuance or renewal; public hearing; receipt, log in, and response to comments; permit finalization; filing notices of intent/registrations; and permit maintenance.
- c. For the purposes of the model, both major and minor individual permits are placed into one of three categories (simple, complex, and very complex) based on their technical complexity and political sensitivity. This allocation was completed by accepting the following default percentages of each permit type in each of the three categories: 30% simple major, 40% complex major, 30% very complex major. For minor discharge permits, the default values are 50% simple, 30% complex, and 20% very complex.

Notes: CWA = Clean Water Act; NA = not applicable; FTE = full-time equivalent

3.3 Compliance, Inspection, and Enforcement

The EPA model predicts need for 24,968 hours, or 14 FTEs, in the CIE component. A breakdown of the various responsibilities is shown in Table C-11.

Table C-11. Model estimations for time required in compliance, inspection, and enforcement section.

Activity	Number of DMRs	Required Effort (FTE hours/DMR)	Total Required Effort for Line Item (FTE hours)	
Discharge Monitoring				
Review discharge monitoring reports (DMRs)	8,063	0.5	4,032	
Activity	Percent of Facilities Affected	Number of Facilities Affected	Required Effort (FTE hrs/facility)	Total Required Effort for Line-Item (FTE hrs)
Inspections				
Routine Compliance Inspections				
Major facilities with individual NPDES permits				
• Inspection	50%	19	24	456
• Sampling with inspection	50%	9	8	72

IPDES Program Description

Activity	Percent of Facilities Affected	Number of Facilities Affected	Required Effort (FTE hrs/facility)	Total Required Effort for Line-Item (FTE hrs)
Minor facilities with individual NPDES permits				
• Inspection	20%	24	32	390
• Sampling with inspection	50%	12	8	98
Performance compliance inspections (PCIs)				
• POTW w/own PT program	40%	5	24	120
• PT performance audit	10%	1	80	80
CSOs/SSOs2				
• Inspection	20%	6	16	96
• Sampling with inspection	50%	3	8	24
General permittees				
Inspection				
• CAFOs	20%	0	6	0
• Storm water (SW)	10%	124	6	741
• Aquaculture general permittees	28%	21	20	420
• Other general permittees	20%	20	6	120
Sampling with inspection				
• CAFOs	50%	0	2	0
• Storm water	50%	15	2	30
• Aquaculture general permittees	50%	13	2	26
• Other general permittees	50%	19	2	38
Performance Audit Inspections (PAIs)	2%	1	24	24
Diagnostic Inspections	10%	11	160	1,744
Biosolids				
Report Review				
• Annual Biosolids report		111	2	222
• Other reports		11	1	11
• Annual land application reports		222	3	666
Inspection of application sites				
• Field inspection	30%	17	10	167
• In-office review	70%	39	2	78

Activity	Percent of Facilities Affected	Number of Facilities Affected	Required Effort (FTE hrs/facility)	Total Required Effort for Line-Item (FTE hrs)
• Compliance inspections	20%	44	8	355
Assistance Activities^a (add-on)	Not Applicable; see footnote a			3,623
Total annual workload for compliance and inspection activities				13,633
Total compliance and inspection FTEs				7.6

Activity	Percentage (%) of Facilities Affected	Number of Facilities Affected	Required Effort (FTE hours/facility)	Total Required Effort for Line Item (FTE hours)
Enforcement				
Complaint Investigation				
Individual permittees				
• Major facilities with individual NPDES permits	10%	3.7	16	59
• Minor facilities with individual NPDES permits	50%	61	16	976
General permittees				
• CAFOs regulated by general permit	20%	0	16	0
• Stormwater dischargers regulated by general permit	10%	124	16	1,976
• Aquaculture dischargers regulated by general permit	5%	5	16	90
• Other facilities regulated by general permit	5%	16	16	256
Non-permitted facilities ^b	NA ^a	200	16	3,200
Emergency response actions ^c	NA ^b	NA	NA	327
Violation Response				
Initial response				
• Individual permittees				
▪ Major facilities with individual NPDES permits	50%	19	4	76
▪ Minor facilities with individual NPDES permits	50%	61	4	244
• General permittees				
▪ CAFOs regulated by general permit	20%	0	4	0
▪ Storm water dischargers regulated by general permit	5%	57	4	228

IPDES Program Description

▪ Aquaculture dischargers regulated by general permit	5%	5	4	20
▪ Other facilities regulated by general permit	5%	16	4	64
Follow-up response (e.g., conference)				
• Individual permittees				
▪ Major facilities with individual NPDES permits	20%	4	40	160
▪ Minor facilities with individual NPDES permits	20%	12	32	390
• General permittees				
▪ CAFOs regulated by general permit	50%	0	40	0
▪ Storm water dischargers regulated by general permit	40%	25	32	790
▪ Aquaculture dischargers regulated by general permit	50%	2	32	64
▪ Other facilities regulated by general permit	50%	8	32	256
Administrative orders (with the possibility of a penalty)				
• Individual permittees				
▪ Major facilities with individual NPDES permits	5%	0.2	160	32
▪ Minor facilities with individual NPDES permits	50%	6	160	976
• General permittees				
▪ CAFOs regulated by general permit	20%	0.00	160	0
▪ Storm water dischargers regulated by general permit	20%	5	160	800
▪ Aquaculture dischargers regulated by general permit	20%	0.5	160	80
▪ Other facilities regulated by general permit	20%	1.5	160	240
Civil and criminal referral				
• Individual permittees				
▪ Major facilities with individual NPDES permits	0.50%	0.001	1,000	1
▪ Minor facilities with individual NPDES permits	0.25%	0.02	1,000	15
• General permittees				
▪ CAFOs regulated by general permit	0.25%	0.00	1,000	0

IPDES Program Description					
▪ Storm water dischargers regulated by general permit	0.05%	0.00	1,000	2	
▪ Aquaculture dischargers regulated by general permit	0.25%	0.00	1,000	1	
▪ Other facilities regulated by general permit	0.25%	0.00	1,000	4	
Post-referral follow-up					
• Individual permittees					
▪ Major facilities with individual NPDES permits	75%	0.00	480	0	
▪ Minor facilities with individual NPDES permits	75%	0.001	480	5	
▪ CIUs and SIUs regulated directly by state for pretreatment	75%	0.00	480	0	
• General permittees					
▪ CAFOs regulated by general permit	75%	0.00	480	0	
▪ Storm water dischargers regulated by general permit	75%	0.00	480	1	
▪ Aquaculture dischargers regulated by general permit	75%	0.00	480	1	
▪ Other facilities regulated by general permit	75%	0.00	480	1	
Total annual workload for enforcement activities				11,335	
Total enforcement FTEs				6.4	

- a. Many states provide substantial assistance to regulated and unregulated facilities to enhance the ability of these facilities to comply with regulations and protect public health. Typical assistance activities include compliance assistance (e.g., permit development guidance and data submittal assistance); technical assistance (e.g., on-site assistance and troubleshooting, assistance to non-NPDES facilities, award program, outreach to technical and professional organizations, and operator certification and continuing education); financial assistance (e.g., assistance with financial management and loan applications); and capacity assurance. The focus group recommended applying a 10% add-on to all point source control activities (i.e., permitting, compliance, enforcement and septage) for this line item.
- b. Based on the experience of participating states, it was assumed that the number of complaint investigations for nonpermitted facilities would be approximately equal to three times the number of complaint investigations for permitted facilities.
- c. To ensure the ability to respond to emergency situations such as natural disasters, algal blooms, or spills that impact water quality, States must maintain an emergency response staff. For the purposes of the model, it is assumed that the size of this staff will be equal to 5% of all FTEs dedicated to complaint investigations.

Notes: POTWs = Publicly Owned Treatment Works; CIU = Categorical Industrial User; SIU = Significant Industrial Users; CAFO = concentrated animal feeding operation; FTE = full-time equivalent

The model estimates that the CIE component for the IPDES program will need 24,968 hours (14 FTEs) to fully support the program.

3.4 Fiscal Resources

3.4.1 Final Budget Predictions

Using the estimates for total number of full time equivalents, the IPDES program budget will be roughly \$3.0 million annually. Table C-12 provides a line item description of the various budget elements.

The state has agreed to provide \$2.0 million annually in support of the program. The remainder of the monies necessary to implement the program will come mostly from fees associated with various permit types; municipal POTW, individual industrial, and storm water. Fee negotiations were carried out with the stakeholder committee during the rulemaking, and the final

Table C-12. IPDES program cost estimation.

Fiscal Year	2019	2020	2021	2022	2023
	(\$)				
Personnel	2,540,300	2,839,400	2,839,400	2,839,400	2,839,400
Travel	37,000	37,000	28,000	28,000	28,000
Contractual ^a	140,100	140,100	140,100	140,100	140,100
Supplies	23,300	22,100	14,000	14,000	14,000
Equipment	13,000	13,000	13,000	13,000	13,000
Total cost	2,753,700	3,051,600	3,034,500	3,034,500	3,034,500

a. Includes operating dollars to cover cost of deputy AG contracted from the state's Office of the Attorney General.

3.4.2 Training and Other Program Needs

Staff in the IPDES program will need a significant amount of training to properly complete their job responsibilities, including the week-long EPA-sponsored Water Quality Standards and Permit Writer's Training. Additional state-specific training will include water quality standards 101 from the Surface Water Program, a state-specific permit writer's training (to be developed) and DEQ-specific employee training (e.g., TRIM document management, purchasing, Pcard, and new employee orientation). Inspectors in the IPDES program will need EPA inspector training until DEQ can provide a similar level of training and credentials for inspections. Permit writers will need training in the various modeling programs necessary for calculating water quality such as AquaTox and CORMIX. Additional operating costs will include equipment associated with inspection monitoring and software licenses for permit writers as detailed below.

For the permitting staff, access to modeling software will be necessary for determining water quality based effluent limits. While AquaTox is a software program provided at no cost by EPA, CORMIX requires a software license. DEQ currently maintains a license with support for seven users at a cost of \$2,698 per year. A detailed description of the projected training needs will be outlined in the capacity development plan.

For the inspection and compliance section, staff will need cameras with a global positioning system (GPS) and date stamping capability on each digital picture. This equipment is critical for completing inspections and documenting violations that may end up in court. A Ricoh WG-4

GPS costs \$420 and meets all needs for this purpose. Portable composite samplers cost about \$1,750 each. Portable dissolved oxygen, pH, conductivity, and turbidity monitors can be purchased for about \$600 each. A rugged tablet for data collection costs \$3,750. Six tablets would cost \$22,500. Initial startup costs for equipment in the CIE section would be \$39,120. Yearly maintenance costs, assuming a replacement schedule one of each per year on a 6-year rotation would be \$6,520.

EPA's resource model estimated \$37,570 per year associated with sampling for inspections. This number was incorporated into the overall program budget by subtracting the identified costs (\$3,120) for sampling equipment (camera, samplers, meters, and tablets) from the overall \$37,575. The remainder, \$31,055, was then identified as laboratory and contracting costs associated with sampling for inspections.

4 Discussion

4.1 Staffing

As required by 40 CFR 123.22, the following subsections describe the DEQ staff who will carry out the IPDES program, including the number, occupation (staff title), and general duties. This is not a complete job description of every employee carrying out the state program, but does provide a summary of the key job responsibilities for those whose main role will be working in the IPDES program.

4.1.1 Program Management

#	Staff Title	General Duties
1	Program Manager	<ul style="list-style-type: none"> • Provide day to day leadership, management, over-site, and supervision for the IPDES Program staff. • Develop the IPDES funding strategy with assistance from stakeholders under a negotiated rulemaking process. • Meet with stakeholders individually to understand stakeholder permitting efforts, number of permittees and permittee perspectives on funding. • Develop the IPDES Program Rules under a negotiated rulemaking process. • Guide guidance development by facilitating stakeholder discussions. • Develop the state office IPDES Program budget, including technical services work requests, and negotiated the budget priorities with the regional offices. • Participate in final budget rollup prioritization. • Track performance measures for state and regional offices.
1	Rules & Guidance Coordinator	<ul style="list-style-type: none"> • Promulgate new state rules as required following the APA and using the established negotiated rulemaking process. Rulemaking involves developing and submitting a Proposed Administrative Rules Form and related analyses, writing and reviewing rule text, organizing and conducting negotiated rulemaking meetings, public hearings, participating in stakeholder meetings, developing briefing materials,

		<p>responding to public comments and presenting to the DEQ Board and may include presenting to the Idaho Legislature.</p> <ul style="list-style-type: none"> • Perform program primacy activities associated with adopting Clean Water Act NPDES Regulations as required. Activities include reviewing, researching and commenting on proposed federal rules; analyzing statewide impacts; and assisting in developing briefing materials. • Assist the IPDES Program Manager in preparation of the IPDES rule portion of the primacy package for EPA review and approval. • Develop policies and procedures to ensure statewide consistency and coordination of IPDES rules. Set priorities to ensure statewide consistency and coordination of rule implementation. • Develop tools, guidance, policies, templates, training and other necessary materials for rule implementation. Follow rule versus guidance memo in preparation of guidance packages. Develop guidance associated with reasonable potential to exceed analyses; water quality based effluent limits; whole effluent toxicity testing; compliance schedule reporting and discharge monitoring reports (DMRs). Assist with guidance development and refinement of IPDES program guidance implementing the water quality standards, such as mixing zone guidance, antidegradation guidance, and human health criteria. • Prepare and provide program information to senior management, the IPDES stakeholders, state and local officials, and other interest groups as needed. • Assist the IPDES Program Manager in preparation of the IPDES guidance portion of the primacy package for EPA review and approval. • Participate in and assist with IPDES budget activities, work plans, and program performance reviews. • Coordinate with IPDES program manager and IPDES permit lead to establish and track program goals and strategic planning activities. • Coordinate with staff to ensure compliance database functions and rule activities are compatible. Monitor database reports to ensure IPDES program implementation is on track with rules. • Coordinate with staff that is assigned to interface with laboratory reporting for the IPDES program. Coordination includes ensuring the database is current with registered laboratories, reporting and following up on laboratory issues. • Provide first-line supervision to assigned staff. • Prepare annual performance plans and performance evaluations. • Coordinate with other programs and state agencies.
1	Data Management Coordinator	<ul style="list-style-type: none"> • Update IPDES data management strategy on a regular basis • Coordinate with IPDES program staff to identify areas of improvement in data management • Provide recommendations for compliance with EPA's electronic reporting rule • Coordinate with IT staff on data management, web-based applications, and exchange issues • Develop and implement training in various applications for DEQ staff

		<p>and external clients such as wastewater operators</p> <ul style="list-style-type: none"> • Identify funding sources and grant opportunities to expand or update current data management technologies • Write and manage grants and contracts associated with the development of data management software applications • Research, compile and format data requested in Public Records Requests; • Participate in ongoing discussions to improve customer service in the IPDES program; and • Act as a Quality Assurance Officer for project plans.
1	Administrative Assistant	<ul style="list-style-type: none"> • Provide clerical support to IPDES program staff • Prepare and mail annual invoices for dischargers • Import, enter, and maintain electronic documents using document management system • Prepare mass mailing distributions for IPDES programs when needed • Assist program staff in the preparation of flyers, information packets, and educational outreach brochures • Prepare letters for signature • Operate, troubleshoot and provide basic maintenance of the office equipment (e.g., copiers and printers) • Organize filing systems • Process incoming and outgoing mail, date stamp and distribute, prepare envelopes and packages for mailing • Provide customer service by referring customers to appropriate staff and respond to public inquiries and complaints
1	Deputy Attorney General	<ul style="list-style-type: none"> • Coordinate with IPDES CIE Lead in the development of formal enforcement response actions • Coordinate with IPDES Permit Lead in the development of permit and fact sheet templates • Provide legal review of permit and fact sheet templates, formal enforcement responses, and administrative orders • Coordinate with IPDES program manager and rules/guidance coordinator during negotiated rulemakings to ensure consistent and appropriate legal review of draft rules • Provide authoritative legal advice to IPDES staff related to both technical and administrative issues • Draft proposed legislation and department rules • Negotiate with state and federal agencies regarding IPDES issues • Negotiate with private individuals and organization in nonlitigation situations
1	Web Design/Database Administrator	<ul style="list-style-type: none"> • Provide database support to IPDES program including design, development, and updating IPDES database schema • Assist Data Management Coordinator with running queries against database to ensure quality controls • Assist Data Management Coordinator with development of web-based applications for electronic entry of data by external clients • Provide support for the exchange of IPDES data via the CDX to EPA's ICIS-NPDES database

4.1.2 Centralized Permitting Structure

#	Staff Title	General Duties
1	Permit Lead	<ul style="list-style-type: none"> • Develop IPDES permitting expertise. • Assist the IPDES Program Manager in preparation of the IPDES permitting portion of the primacy package for EPA review and approval. • Draft IPDES fact sheets as a type of staff analysis report using rules and guidance documents. Review draft fact sheets prepared by permit writers. Draft IPDES permits. Review draft IPDES permits. Work with surface water quality staff and AG's office on draft permit language to ensure compliance with water quality standards; ensure permits are using approved TMDL wasteload allocations; and that draft permits include language on pollutant trading. • Share draft fact sheet and draft IPDES permit with EPA contacts for programmatic review. Review and revise fact sheet and draft permit if appropriate based on EPA review. • Issue draft fact sheets and draft IPDES permit to applicant for preliminary review prior to public comment. Review and revise fact sheet and draft permit if appropriate based on applicant review. • Issue draft fact sheet and draft IPDES permit for public comment. Respond to public comment by preparing the response to public comment document. Revise draft fact sheet and draft permit if appropriate based on public comment. • Share draft fact sheet and draft IPDES permit with EPA contacts for programmatic review. Review and revise fact sheet and draft permit if appropriate based on EPA review. (This is an intentional second opportunity for EPA to review the preliminary-final permits prior to issuance.) • Prepare response documents for any permit appeals. • Work with AGs office in preparation of permit appeal responses. • As requested by the AG's office present permit appeal responses to hearing officer or DEQ Board. • Track IPDES Program permitting performance measures and identify performance trends. • Assist Program Manager and rules/guidance coordinator with development of rules and guidance documents. Support rule and guidance coordinator in defining specific fee structures, implementation policies and procedures. • Participate in and assist with IPDES Program budget permitting activities, work plans, and program performance reviews, and Performance Partnership Agreement (PPA) development. • In conjunction with IPDES Program rules and guidance coordinator, identify needs for training, guidance and policy development. • Coordinate with IPDES Program compliance, monitoring and enforcement coordinator to oversee and ensure consistent regulatory application on new and ongoing IPDES enforcement actions. • Coordinate operator certification and licensing tasks with Loan and Wastewater Program staff, and IBOL staff. • Prepare and provide program information to senior management, the IPDES stakeholders, state and local officials, and other interest

		<p>groups as needed.</p> <ul style="list-style-type: none"> • Manage the overall IPDES permit workload. • Supervise IPDES permit writers by ensuring work products are timely and meet or exceed quality standards; establish individual staff permit workloads, set staff permit priorities, and assign permit and fact sheet development tasks. • Prepare annual performance plans and performance evaluations. • Train and mentor permit writers. • Develop IPDES permit writer training modules. • Identify training needs for permit writers. • Coordinate with IPDES program manager and IPDES rules and guidance coordinator to establish and track program goals and strategic planning activities. • Coordinate with other programs and state agencies.
1	Municipal Specialist	<ul style="list-style-type: none"> • Draft IPDES permits and fact sheets for major and minor municipalities; • Coordinate with IPDES Permits Lead to develop permit writers guidance manual • Coordinate with IPDES Permits Lead to identify top priorities for municipal permit issuance and reissuance • Respond to public comments on permits and fact sheets • Work with AG's office on permit appeals as they come up • Coordinate, as needed, with IPDES compliance, inspections and enforcement staff on enforcement actions • Work with IPDES Permits Lead to develop training for IPDES permit writers • Coordinate with wastewater and surface water program staff on municipal permit issues • Answer permitting related questions from staff in regional offices and external clients; • Researching, compiling, and formatting data requested from Public Records Requests (this does not include generating new records, documents, or lists); • Participate in ongoing discussions to improve customer service in the IPDES program; and • Act as a Quality Assurance Officer for project plans
1	Industrial Specialist	<ul style="list-style-type: none"> • Draft IPDES Industrial permits and fact sheets for major and minor industrial facilities; • Coordinate with IPDES Permits Lead to develop permit writers guidance manual, including templates for permits and fact sheets; • Coordinate with IPDES Permits Lead to prioritize industrial permit issuance and re-issuance; • Respond to public comments on permits and fact sheets; • Work with AG's office on permit appeals as they arise; • Coordinate, as needed, with IPDES Compliance, Inspection, and Enforcement section on enforcement actions; and • Work with IPDES Permits Lead to develop training for IPDES Permit Writers • Coordinate with wastewater and surface water program staff on

		<p>industrial permit issues;</p> <ul style="list-style-type: none"> • Answer industrial permitting related questions from staff in regional offices and external clients; • Researching, compiling, and formatting data requested from Public Records Requests (this does not include generating new records, documents, or lists); • Participate in ongoing discussions to improve customer service in the IPDES program; and • Act as a Quality Assurance Officer for project plans
1	Pretreatment/ Biosolids Coordinator	<ul style="list-style-type: none"> • Coordinate IPDES Biosolids program; including development and review of procedures, protocols and requirements that municipalities and facilities treating domestic sewage sludge will need to follow to comply with Idaho rules and federal regulations found in 40 CFR 503; • Track biosolids application sites and review annual reports associated with facilities submitting biosolids information; • Coordinate IPDES Pretreatment Program; including development and review of procedures, protocols, and requirements that municipalities will have to develop when they submit an application for a Pretreatment Program authorization; • Support Municipal Permit Writers to compose permits that adequately and appropriately address municipal pretreatment programs; • Coordinate with IPDES Permits Lead to develop permit writers guidance manual; • Coordinate, as needed, with IPDES Compliance, Inspection, and Enforcement (CIE) section on enforcement actions associated with Municipal Pretreatment Programs; • Answer pretreatment program related questions from CIE staff in regional offices; • Work with IPDES Permits Lead to develop training for IPDES Permit Writers • Coordinate with wastewater program staff on municipal pretreatment and biosolids programs issues; • Research, compile, and format data requested from Public Records Requests (this does not include generating new records, documents, or lists); • Participate in ongoing discussions to improve customer service in the IPDES program; and • Act as a Quality Assurance Officer for project plans.
4	Permit Writer	<ul style="list-style-type: none"> • Review permit applications for completeness • Draft IPDES permits and fact sheets including development of effluent limits, mixing zones, and other testing and reporting requirements • Review submittals of NOI for coverage under a general permit and issue authorizations when appropriate • Coordinate with IPDES Permits Lead to update permit writers guidance manual • Coordinate with IPDES Permits Lead to prioritize permit issuance and re-issuance; • Respond to public comments on permits and fact sheets; • Work with AG's office on permit appeals as they arise;

- Coordinate, as needed, with IPDES Compliance, Inspection, and Enforcement section on enforcement actions;
- Coordinate with wastewater and surface water program staff on permit issues;
- Answer permitting related questions from staff in regional offices and external clients;
- Research, compile, and format data requested from Public Records Requests (this does not include generating new records, documents, or lists);
- Participate in ongoing discussions to improve customer service in the IPDES program;
- Act as a Quality Assurance Officer for project plans

4.1.3 Hybrid Compliance, Inspection, and Enforcement Structure

# Staff	Staff Title	General Duties
1	CIE Lead	<ul style="list-style-type: none"> • Principal lead for coordinating compliance, inspection, and enforcement for federal and state issued permits according to section 402 of the Clean Water Act. • Develop Compliance, Inspection, and Enforcement program; • Assist the IPDES Program Manager in preparation of the IPDES compliance and enforcement portion of the primacy package for EPA review and approval; • Track inspections, compliance activities, and enforcement actions for reporting purposes and to identify performance measures and trends; • Coordinate technical assistance outreach with Permit Lead and Regional Engineering Managers; • Prepare response documents for any compliance and enforcement actions; • Work with AGs office in preparation of compliance and enforcement responses; • As requested by the AG's office present compliance and enforcement responses to hearing officer, Appeals Board, Director, or DEQ Board; • Assist Program Manager and rules/guidance coordinator with development of rules and guidance documents. Support rule and guidance coordinator in defining implementation policies and procedures; • Participate in and assist with IPDES Program planning for inspection activities, work plans, and program performance reviews, and Performance Partnership Agreement (PPA) development. • In conjunction with IPDES Program rules and guidance coordinator, identify needs for training, guidance and policy development; • Coordinate with IPDES Program Manager to oversee and ensure consistent regulatory application on new and ongoing IPDES enforcement actions; • Coordinate IPDES inspector certification with EPA staff; • Prepare and provide program information to senior management, the IPDES stakeholders, state and local officials, and other interest groups as needed. • Manage the overall IPDES inspection workload.

	<ul style="list-style-type: none"> • Supervise IPDES inspectors by ensuring work products are timely and meet or exceed quality standards; establish individual inspector workloads, set compliance and inspection priorities; • Prepare annual performance plans and performance evaluations; • Train and mentor IPDES inspectors; • Develop IPDES inspector training modules. • Identify training needs for inspectors. • Coordinate with IPDES program manager and IPDES rules and guidance coordinator to establish and track program goals and strategic planning activities. • Coordinate with other programs and state agencies. • Coordinate with wastewater and surface water program staff on compliance and enforcement issues; • Answer compliance and enforcement related questions from staff in regional offices and external clients; • Research, compile and format data requested in Public Records Requests; • Participate in ongoing discussions to improve customer service in the IPDES program; and • Act as a Quality Assurance Officer for project plans.
<p>2 Compliance Officer</p>	<ul style="list-style-type: none"> • Assist the agency with commitments made regarding NPDES inspections. • Track inspections, compliance activities, and enforcement actions for reporting purposes and identify performance measures and trends; • Assist the IPDES Compliance, Inspection, and Enforcement (CIE) Lead in preparation of the IPDES compliance and enforcement portion of the primacy application package for EPA review and approval; • Assist the IPDES CIE Lead with the development of guidance, implementation policies, and procedures as they relate to compliance assistance and enforcement. • Prepare enforcement documents and correspondence in coordination with field staff, managers, the attorney general's office, the CIE Lead, and the program manager as necessary; • Maintain working knowledge of the IPDES rules and coordinate with rules and guidance coordinator as necessary; • Provide timely updates and status reports to the IPDES CIE Lead and program manager, • Coordinate compliance assistance outreach with IPDES CIE Lead, Permit Lead and Regional Engineering Managers; • In conjunction with IPDES Compliance, Inspection, and Enforcement Lead, identify training, guidance and policy development needs. • Coordinate with wastewater and surface water program staff on compliance and enforcement issues; • Answer compliance and enforcement related questions from staff in regional offices and external clients; • Research, compile and format data requested in Public Records Requests; • Participate in ongoing discussions to improve customer service in the IPDES program; and

11	Inspector	<ul style="list-style-type: none"> • Act as a Quality Assurance Officer for project plans. • Conduct compliance evaluations (e.g., DMR and file review) • Perform facility inspections to determine compliance • Review on-site records and inspect facility sampling points, effluent and discharge locations • If necessary, develop enforcement case referral package and forward to compliance officer, • Provide compliance assistance as appropriate • Review preliminary draft permits as assigned • Research, compile and format data requested in Public Records Requests; • Participate in ongoing discussions to improve customer service in the IPDES program; and • Act as a Quality Assurance Officer for project plans.
----	-----------	--

4.1.4 DEQ Support Staff

In addition to the staff identified in the previous sections, DEQ has support staff whose main job responsibilities are not specific to the IPDES program but who provide administrative and technical support to those working in the IPDES program. These include the following:

- Human Resources specialist
- Fiscal officer
- Grants and contract officer
- GIS specialist
- Network administrator
- IT Information Systems Technician
- Technical Records Specialist
- Attorney General's Office Rules and Guidance Coordinator
- Technical Engineer
- Technical Writer
- Modeler

Those listed above are not considered part of the 29 FTEs identified in the resource model for the IPDES program. However, these roles are important to the continued success of the IPDES program and DEQ in general. Increases to the workload associated with these positions or the need to hire additional staff to cover these roles and responsibilities is part of the indirect rate associated with any programmatic budget and was accounted for during the development of the overall IPDES budget.

4.2 Fee Administration

4.2.1 Application versus Annual Fees

There are multiple ways of distributing fees among the various dischargers from relying solely on application fees to solely on annual fees. Depending on the discharger, one method may be preferable to another.

Over the long term for a discharger that operates over the course of multiple permit cycles, a reliance on annual fees over application fees may be preferable for budgeting reasons. DEQ also favors an annual fee in these cases to alleviate the variability that is inherent with building a budget reliant upon application fees. In some years, there may be many application fees paid whereas in other years there may be fewer. Annual fees provide stability in the funding and in budgeting.

For dischargers that operate on the short term (typically construction projects), an application fee may be preferred. A single application fee for a NOI for coverage would then free the discharger from concerns over being invoiced in successive years when the project is no longer in operation. For some facilities that operate on an intermittent basis, it might be more convenient for a single application fee to be paid that will cover the facility when it is under operation. When not operating, the owner may terminate coverage without concerns about unpaid annual fees. However, upon starting operation again, the owner would need to apply for and pay another application fee for the facility.

The proposed fee schedule tool is based on a hybrid of these two approaches. DEQ recommends the hybrid approach be used to create a fee schedule that is responsive to the dischargers within a category. That is, for municipal and industrial individual dischargers, more reliance on the annual fee is recommended, while for construction general permits more emphasis is placed on the application fee.

4.2.2 Fee Assessment

Fee assessment is the evaluation and determination of the fee due and when that fee should be paid. Because the fees for publicly and privately owned treatment works will be based on equivalent dwelling units, DEQ is requesting that each treatment works provide an estimate of the EDUs they serve as part of the annual reporting process. This report will then be used to calculate the relevant fee for the treatment works.

Application fees are anticipated to be submitted when the owner of a permitted activity needs permit coverage for that activity. Activities anticipated to last longer than the initial application year are also subject to an annual fee.

For annual fees, there are many different options available such as calendar year, state fiscal year, or federal fiscal year. Discussions about the possible format for determining the annual cycle fees included looking at when the annual reports from permittees were due, what the possible budgeting cycle for the various dischargers might be, and how best to integrate these components. It was determined that setting an October 1 fee deadline would best incorporate these various components, allowing municipalities to plan and budget for the upcoming year and storm water permittees to finish up summer construction projects.

DEQ proposes that annual fees be assessed for new dischargers beginning the first October following the application for coverage under a general permit. For example, if a discharger applies for coverage in April of 2019, they would pay the application fee. Then for projects that extend into the next application year, an annual fee will be applied to the discharger for the time the permit is active between October of 2019 and September of 2020.

4.2.3 Fee Receipts

4.2.3.1 *Municipal Fees: \$653,043*

An analysis of the number of municipalities in Idaho with NPDES permits for their treatment works shows that the total population served by these facilities was just over 1 million people. Using the average number of persons per household from the 2010 census (2.68/household) gives 375,312 total EDUs in Idaho. At a rate of \$1.74/EDU the total fees estimated from municipalities is \$653,043.

Table C-13. Municipal population served by NPDES and nonNPDES treatment works.

	Population served	EDUs	Total Fees
NPDES Permit	1,005,836	375,312	\$653,043
No NPDES Permit	561,746	209,607	

The previous reports estimated fee receipts to be \$675,080. This estimate was higher than the current amount predicted because it included municipalities that have since been identified as being on tribal lands. EPA will retain authority for these permits; therefore they have been removed from the overall calculation of fee receipts. Additionally, the previous estimate of municipal fee receipts was calculated based on 2013 estimated population. This current estimate is based on 2010 census population for cities served.

Fees for municipal dischargers were evaluated based on flow and on EDUs. DEQ felt that basing fees on flow would be less equitable to smaller communities than basing the fee on the overall number of connections. Since DEQ did not have easily accessible, accurate, and up-to-date information on the number of connections within each wastewater collection system, the method of calculating EDUs was done as follows.

Accessing information available on the US Census Bureau website, DEQ downloaded current census data for all cities identified in Idaho. The list of cities and 2010 population estimates was then compared against the list of cities in Idaho with NPDES permits. The final number of persons served by a municipality with an NPDES permit is 1,005,836 (Table C-13). Based on the Census Bureau's number of persons per household, the number of EDUs in cities with municipalities is 375,312 (population divided by persons per household).

4.2.3.2 *Individual Industrial Fees: \$247,991*

Individual industrial fees are invoiced on an annual basis. There is no application fee for these permits. As shown in Table C-14, there are currently 8 major and 36 minor industrial permits. The total annual fee receipts for individual industrial permits are \$247,991.

Table C-14. Individual industrial permits.

Facility Type	Number of Facilities	Annual Fee	Total Receipts
Major	8	\$13,000	\$104,001
Minor	36	\$4,000	\$143,990

4.2.3.4 Construction Storm Water Fees: \$177,868

Similar to the industrial storm water general permit, data was downloaded from EPA's eNOI system to evaluate the number of construction storm water permits and waivers expected. The data collected was evaluated by federal fiscal year and by size. Table C-17 provides details on the average number of projects expected each year, the average length of each project, and the anticipated fee receipts from projects covered under the construction storm water permit.

Table C-17. Summary of construction storm water projects and anticipated fee receipts.

Project Bin	Ave. # Projects	Ave. length in months	Application Fee	Annual Fee	Receipts from application fees	Receipts from annual fees
0-1	94	6.2	\$0	\$0	\$0	\$0
1-10	317	8.9	\$200	\$0	\$63,440	\$0
10-50	136	11.9	\$400	\$75	\$54,560	\$10,016
50-100	15	26.3	\$750	\$100	\$11,100	\$3,543
100-500	9	34.8	\$1,000	\$400	\$9,400	\$12,145
500+	2	69.6	\$1,250	\$400	\$1,250	\$1,507
Waiver	87	3.3	\$125	\$0	\$10,906	\$0
Total	660				\$150,656	\$27,212

4.3 Billing and Payment

DEQ chooses to model 58.01.25.110 after the current drinking water rules (IDAPA 58.01.08) and proposes invoicing permittees by July 1 of the year in which annual fees are dues. This allows ample opportunity for the permittee to budget the cost of permit and creates continuity across programs within the agency.

In some cases it may prove advantageous for a treatment works to split payments into monthly or quarterly installments. DEQ recognizes this and provides in this section the opportunity for the permittee to request such an installment plan.

4.4 Delinquency, Suspension of Services and Reinstatement

In the event a permittee does not submit payment of annual fees within a timely manner, DEQ will take the following steps. For the first 90 days a payment is late, DEQ will withhold technical assistance such as compliance assistance. If the permittee allows more than 180 days to elapse before paying the annual fee, DEQ will consider the permittee to be in non-compliance with the conditions of the permit and will begin proceedings according to Section 500 Enforcement of IDAPA 58.01.25.

Once a permittee has paid the fee in full, the permit will be considered to be in compliance with regard to annual fee payment. Any suspended technical services will be reinstated.

Appendix D. IPDES Fact Sheet Template

This page intentionally left blank for correct double-sided printing.

Fact Sheet for IPDES Permit No. IDXXXXXXX

Insert date of this draft fact sheet when issued for public notice or final fact sheet

Idaho Department of Environmental Quality (DEQ) Proposes to Re/Issue an Idaho Pollutant Discharge Elimination System (IPDES) Permit to Discharge Pollutants Pursuant to the Provisions of IDAPA 58.01.25 to:

Insert Facility Name

Public Comment Start Date: insert MM/DD/YYYY

Public Comment Expiration Date: insert MM/DD/YYYY

Technical Contact: Insert Permit Writer’s Name, Phone #, Email

Purpose of this Fact Sheet

This fact sheet explains and documents the decisions the Idaho Department of Environmental Quality (DEQ) made in drafting the proposed Idaho Pollutant Discharge Elimination System (IPDES) permit for insert facility name.

This fact sheet complies with IDAPA 58.01.25.108.02 of the Idaho Administrative Code, which requires DEQ to prepare a draft permit and accompanying fact sheet for public evaluation before issuing an NPDES permit.

Table of Contents

Acronyms.....	4
1 Introduction.....	7
2 Background Information.....	8
2.1 Facility Description	8
2.1.1 History	9
2.1.2 Collection System Status	9
2.1.3 Treatment Process.....	9
2.1.4 Solid wastes/Residual Solids	10
2.1.5 Outfall Description	10
2.2 Description of Receiving Water	10
2.3 Wastewater Influent Characterization	10
2.4 Wastewater Effluent Characterization.....	10
2.5 Identify Pollutants of Concern.....	11
2.6 Compliance History.....	11
3 Proposed Permit Limits	11
3.1 Technology-Based Effluent Limits	12
3.2 Water Quality-Based Effluent Limits.....	12
3.2.1 Beneficial Uses	13
3.2.2 Criteria	13
3.2.3 Antidegradation	15
3.2.4 Clean Water Act §402(o)(3)	16
3.2.5 Mixing zones	16
3.3 Water Quality Impairments	17
3.4 Evaluation of Water Quality-Based Effluent Limits for Narrative Criteria	17
3.5 Evaluation of Water Quality-Based Effluent Limits for Numeric Criteria	17
3.5.1 Low Flow Design Conditions.....	18
4 Monitoring Requirements.....	18
4.1 Effluent Monitoring.....	19
4.2 Receiving Water Monitoring	19
5 Special Conditions.....	20
5.1 Compliance Schedule	20
5.2 Facility Planning.....	20
5.3 Nondomestic Waste Management	20
5.4 Pretreatment.....	20
5.5 Plans	21
5.5.1 Spill Plan.....	21

5.5.2 Quality Assurance Plan..... 21

5.5.3 Operation and Maintenance..... 21

5.5.4 Emergency Response Plan..... 22

5.5.5 Best Management Practices Plan..... 22

5.5.6 Phosphorus Management Plan..... 22

5.5.7 Mercury Minimization Plan..... 22

5.5.8 Methylmercury Fish Tissue Monitoring Plan..... 22

5.5.9 Storm Water Management Plan..... 22

5.6 Sludge / Biosolids..... 22

5.7 Municipal Lagoon Seepage Testing 23

5.8 Inflow and Infiltration Evaluation 23

5.9 Water Quality Trading..... 23

5.10 Decision Rationale for Variances/Waivers 23

6 General Conditions 23

7 Permit Issuance Procedures 23

7.1 Permit Modifications 24

8 References for Text and Appendices..... 24

Appendix A. Public Involvement Information 25

Appendix B. Your Right to Appeal 26

Appendix C. Technical Calculations 27

Appendix D. Public Comments and Response to Comments..... 36

Appendix E. Facility Maps / Process Schematics..... 37

List of Tables

Table 1. Facility information. 9

Table 2. Ambient background data..... 10

Table 3. Wastewater influent characterization..... 10

Table 4. Wastewater effluent characterization..... 11

Table 5. Effluent limit violations..... 11

Table 6. Secondary treatment effluent limits (40 CFR 133.102)..... 12

Table 7. Equivalent to secondary treatment effluent limits (40 CFR 133.105)..... 12

Table 8. Comparison of previous and proposed effluent limits..... 16

Table 9. Dilution factors..... 16

Table 10. Low flow design conditions..... 18

Table 11. Estimated low flows for insert receiving water..... 18

Table 12. Effluent monitoring requirements..... 19

Table 13. Changes in monitoring frequency from previous permit..... 19

Table 14. Receiving water monitoring requirements..... 20

Acronyms

1Q10	1 day, 10 year low flow
7Q10	7 day, 10 year low flow
30B3	Biologically-based design flow intended to ensure an excursion frequency of less than once every three years, for a 30-day average flow.
30Q10	30 day, 10 year low flow
ACR	Acute-to-Chronic Ratio
AML	Average Monthly Limit
AWL	Average Weekly Limit
BA	Biological Assessment
BAT	Best Available Technology economically achievable
BCT	Best Conventional pollutant control Technology
BE	Biological Evaluation
BO or BiOp	Biological Opinion
BOD ₅	Biochemical oxygen demand, five-day
BMP	Best Management Practices
BPT	Best Practicable control Technology currently available
°C	Degrees Celsius
CBOD ₅	Carbonaceous Biochemical Oxygen Demand, five-day
CFR	Code of Federal Regulations
CFS	Cubic Feet per Second
COD	Chemical Oxygen Demand
CV	Coefficient of Variation
CWA	Clean Water Act
DMR	Discharge Monitoring Report
DO	Dissolved Oxygen
EA	Environmental Assessment
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
FDF	Fundamentally Different Factor
gpd	Gallons per day

IC	Inhibition Concentration
ICIS	Integrated Compliance Information System
DEQ	Idaho Department of Environmental Quality
I/I	Inflow and Infiltration
IPDES	Idaho Pollutant Discharge Elimination System
LA	Load Allocation
lbs/day	Pounds per day
LC	Lethal Concentration
LC ₅₀	Concentration at which 50% of test organisms die in a specified time period
LD ₅₀	Dose at which 50% of test organisms die in a specified time period
LOEC	Lowest Observed Effect Concentration
LTA	Long Term Average
LTCP	Long Term Control Plan
MDL	Maximum Daily Limit or Method Detection Limit
mgd	Million gallons per day
mg/L	Milligrams per liter
ml	Milliliters
ML	Minimum Level
MPN	Most Probable Number
N	Nitrogen
NEPA	National Environmental Policy Act
NOEC	No Observable Effect Concentration
NOI	Notice of Intent
NSPS	New Source Performance Standards
O&M	Operations and maintenance
POTW	Publicly Owned Treatment Works
PSES	Pretreatment Standards for Existing Sources
PSNS	Pretreatment Standards for New Sources
QAPP	Quality Assurance Project Plan
RP	Reasonable Potential
RPM	Reasonable Potential Multiplier
RWC	Receiving Water Concentration

SIC	Standard Industrial Classification
SPCC	Spill Prevention, Control, and Countermeasure
SS	Suspended Solids
SSO	Sanitary Sewer Overflow
s.u.	Standard Units
TKN	Total Kjeldahl Nitrogen
TMDL	Total Maximum Daily Load
TOC	Total Organic Carbon
TRC	Total Residual Chlorine
TRE	Toxicity Reduction Evaluation
TSD	Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001)
TSS	Total suspended solids
TU _a	Toxic Units, Acute
TU _c	Toxic Units, Chronic
UV	Ultraviolet
WET	Whole Effluent Toxicity
WLA	Wasteload allocation
WQBEL	Water quality-based effluent limit
WQS	Water Quality Standards
WWTP	Wastewater treatment plant

1 Introduction

This fact sheet explains and documents the decisions the Idaho Department of Environmental Quality (DEQ) made in drafting the proposed Idaho Pollutant Discharge Elimination System (IPDES) permit for **Insert Name**. This fact sheet complies with the Rules Regulating the Idaho Pollutant Discharge Elimination System Program (IDAPA 58.01.25), which requires DEQ to prepare a draft permit and accompanying fact sheet for public evaluation before issuing an IPDES permit.

DEQ proposes to **select one: Issue/Reissue/Modify/Revoke and Reissue** the IPDES permit for **Insert Facility Name or Municipality Name and Treatment Works**. The **draft** permit places conditions on the discharge of pollutants from the wastewater treatment plant to waters of the United States. In order to ensure protection of water quality and human health, the permit places limits on the types and amounts of pollutants that can be discharged from the facility.

This Fact Sheet includes:

- a map and description of the discharge location;
- a listing of proposed effluent limits and other conditions the facility must comply with;
- documentation supporting the proposed effluent limits;
- technical material supporting the conditions in the permit; and
- information on public comment, public hearing, and appeal procedures.

Terms used in this fact sheet are defined in Section 5, Definitions, of the permit.

Public Comment

The permit application, draft permit, and fact sheet describing the terms and conditions applicable to the permit are available for public review and comment during a public comment period. The public is provided at least 30 days to review, compose comments, and provide them to DEQ. Persons wishing to request a Public Hearing for this facility's draft permit must do so in writing within the first 14 days of the public comment period. Requests for extending a public comment period must be provided to DEQ in writing before the last day of the comment period. For more details on preparing and filing comments about these documents, please see the IPDES guidance *Public Participation in the Permitting Process*. For more information, please contact the permit writer **insert name, phone, email**.

After the close of the public comment period, DEQ considers information provided by the public, prepares a document summarizing the public comments received, and may make changes to the draft permit in response to the public comments. DEQ will include the summary and responses to comments in the final fact sheet D. After the public comment period and prior to issuing the final permit decision, DEQ will give the applicant an opportunity to provide additional information to respond to public comments. DEQ may request more information from the applicant in order to respond to public comments (IDAPA 58.01.25.109.02.h.).

DEQ will assess the public comment in conjunction with any additional information received from the applicant and develop a proposed permit. EPA may take up to 90 days to develop and document specific grounds for objections to a proposed permit. If EPA objects to a proposed permit DEQ must satisfactorily address the objections within the time period specified in the

memorandum of agreement between EPA and DEQ (40 CFR §123.44). Otherwise, EPA may issue a permit that rectifies their objections. If EPA issues the permit any state, interstate agency, or interested person may request EPA hold a public hearing regarding the objection.

Permit Issuance

Following the public comment period(s) on a draft permit, and after receipt of any comments on the proposed permit from EPA, DEQ will issue a final permit decision, the final permit, and the fact sheet. A final permit decision means a final decision addressing permit action to issue, deny, modify, revoke and reissue, or terminate a permit (IDAPA 58.01.25.107.04.). The final permit, response to comments, final fact sheet, and associated permit documents will be posted on the DEQ webpage.

The public has access to a permit appeals process (IDAPA 58.01.25.204). Appeal of a final IPDES permit decision begins by filing a petition for review with DEQ's hearing coordinator within 28 days after DEQ serves notice of the final permit decision. Only a person who is aggrieved by the final permit decision (i.e., the permit holder or applicant and any person or entity who filed comments or who participated in the public meeting on the draft permit) may file a petition for review. Ultimately, any person aggrieved by a final department action or determination has a right to judicial review by filing a petition for review (IDAPA 58.01.25.204.26).

Documents are Available for Review

The draft IPDES permit and related documents can be reviewed or obtained by visiting or contacting the DEQ State office between 8:00 a.m. and 5:00 p.m., Monday through Friday at the address below. The draft permit, fact sheet, and other information can also be found by visiting the DEQ website at "<http://www.deq.idaho.gov/news-public-comments-events/>."

DEQ
1410 N. Hilton
Boise, ID 83706
208-373-0502

The fact sheet and draft permits are also available at the applicable Regional Office:

Insert Regional Office
Insert Street address
City, ID 83XXX

Insert another location

2 Background Information

2.1 Facility Description

This fact sheet provides information on the draft IPDES permit for the following entity:

Table 1. Facility information.

Idaho NPDES Permit #	
Applicant	
Facility Name and Address	
Facility Contact	Name: Telephone number:
Responsible Official	Name: Title: Address: Telephone number: FAX number:
Type of Treatment	
Facility Location	Latitude: Longitude:
Receiving Water Name	
Outfall Location	Latitude: Longitude
Permit Status	
Issuance or Renewal	
Application Submittal Date	
Date Application Deemed Complete	
Inspection Status	
Date of Last Sampling Inspection	
Date of Last Non- Sampling Inspection	

Insert Owner owns and operates the Insert POTW Name (POTW) located in Insert City, Insert State. The collection system has no combined sewers. The facility serves a resident population of insert population. There are insert no or number of major industries discharging to the facility.

Insert Owner/Operator owns/operates the Insert Facility Name located at Insert Address, discharges to Name of Receiving Water at Latitude/Longitude of Outfall.

2.1.1 History

Insert facility history here

2.1.2 Collection System Status

Insert collection system information here

2.1.3 Treatment Process

The design flow of the facility is insert number mgd. The treatment process consists of provide unit processes used to treat domestic wastewater. Details about the wastewater treatment process and a map showing the location of the treatment facility and discharge are included in Appendix E. Because of fill in reasons, the facility is considered a major/minor facility.

Insert Treatment Process information here

2.1.4 Solid wastes/Residual Solids

The treatment facilities remove solids during the treatment of the wastewater at the headworks (grit and screenings), and at the primary and secondary clarifiers, in addition to incidental solids (rags, scum, and other debris) removed as part of the routine maintenance of the equipment. Insert Name drains grit, rags, scum, and screenings and disposes this solid waste at the local landfill. Solids removed from the primary and secondary clarifiers are treated insert process used and land applied under a permit from the Insert Health District.

2.1.5 Outfall Description

Insert outfall description

2.2 Description of Receiving Water

Insert facility name discharges to insert receiving water body in insert City, Town or County, Idaho. The outfall is located insert upstream / downstream of insert identifying place/landmark, township and range, river mile, etc. Other nearby point source outfalls include list facility outfalls and locations. Nearby non-point sources of pollutants include list sources. Nearby drinking water intakes include insert drinking water intakes located at insert location. Section 3.3 of this fact sheet describes any receiving waterbody impairments.

The ambient background data used for this permit includes the following from insert source(s).

Table 2. Ambient background data.

Parameter	Value used
Insert parameter	Insert Value and Units

2.3 Wastewater Influent Characterization

Insert applicable items. Insert Facility Name reported the concentration of influent pollutants in DMRs and results are characterized in Table 3. The tabulated data represents the quality of the wastewater effluent discharged from Insert date range.

Table 3. Wastewater influent characterization.

Parameter	Units	# of Samples	Average Value	Maximum Value	Data Source
Insert	Insert	Insert	Insert	Insert	Insert

2.4 Wastewater Effluent Characterization

Insert applicable items.

Insert Facility Name reported the concentration of influent pollutants in DMRs and results are characterized in Table 4. The tabulated data represents the quality of the wastewater effluent discharged from Insert date range.

Table 4. Wastewater effluent characterization.

Parameter	Units	# of Samples	Average Values	Maximum Values	Data Source
Insert	Insert	Insert	Insert	Insert	Insert
Parameter	Units	# of Samples	Maximum Monthly Geometric Mean	Maximum Weekly Geometric Mean	
E. Coli					
Parameter	Units	# of Samples	Minimum Value	Maximum Value	
pH	standard units				

2.5 Identify Pollutants of Concern

In order to determine pollutants of concern for further analysis, DEQ evaluated the application form, additional discharge data, and the nature of the discharge. Based on this analysis, pollutants of concern are as follows:

- Insert pollutant

Pollutant concentrations in the discharge which were reported in either the IPDES application or DMRs were used in determining reasonable potential for several parameters (see Appendix C).

2.6 Compliance History

Insert text here

Table 5. Effluent limit violations.

Parameter	Limit	Units	Number of Instances
Insert	Insert	Insert	Insert

DEQ conducted an inspection of the facility in insert month and year. The inspection encompassed the wastewater treatment process, records review, operation and maintenance, and the collection system. Overall, the results of the inspection were fill in results.

3 Proposed Permit Limits

Federal and state regulations require that effluent limits in an NPDES permit must be either technology or water quality-based.

Technology-based limits are based upon the treatment methods available to treat specific pollutants. Technology-based limits are set by the EPA and published as a regulation, or DEQ develops the limit on a case-by-case basis (40 CFR 125.3 and IDAPA 58.01.02).

Water quality-based limits are calculated so that the effluent will comply with the Surface Water Quality Standards (IDAPA 58.1.02) or the National Toxics Rule (40 CFR 131.36).

DEQ must apply the most stringent of these limits to each parameter of concern. These limits are described below.

3.1 Technology-Based Effluent Limits

Federal and state regulations define technology-based effluent limits for insert domestic wastewater treatment plants or industrial facilities. These effluent limits are given in IDAPA 58.01.25.302, and select either 40 CFR Part 133 or 40 CFR Parts 401-471.

Table 6. Secondary treatment effluent limits (40 CFR 133.102).

Parameter	30-day average	7-day average
BOD ₅	30 mg/L	45 mg/L
cBOD ₅	25 mg/L	40 mg/L
TSS	30 mg/L	45 mg/L
Removal for BOD ₅ and TSS (concentration)	85% (minimum)	---
pH	within the limits of 6.0 - 9.0 s.u.	

Both the federal and state regulations allow alternate limits for waste stabilization ponds (lagoons), trickling filters, and facilities with less concentrated influent wastewater.

Table 7. Equivalent to secondary treatment effluent limits (40 CFR 133.105).

Parameter	30-day average	7-day average
BOD ₅	45 mg/L	65 mg/L
cBOD ₅	40 mg/L	60 mg/L
TSS	45 mg/L	65 mg/L
Removal for BOD ₅ /cBOD ₅ and TSS (concentration)	65% (minimum)	---
pH	within the limits of 6.0 - 9.0 s.u.	

Insert text starting here

3.2 Water Quality-Based Effluent Limits

The DEQ water quality standards (IDAPA 58.01.02) are designed to protect existing water quality and preserve the beneficial uses of Idaho's surface waters. Waste discharge permits must include conditions that ensure the discharge will meet the water quality standards (IDAPA 58.01.25.302.06). Water quality-based effluent limits may be based on an individual waste load

allocation or on a waste load allocation developed during a basin wide total maximum daily load study (TMDL).

Idaho's water quality standards are comprised of three parts: designated uses, numeric and/or narrative water quality criteria and an antidegradation policy.

3.2.1 Beneficial Uses

Idaho's WQS (IDAPA 58.01.02.100) describes designated beneficial uses and the use categories that may be applied in Idaho. Specifically, these are by category (aquatic life, recreation, or water supply) and subcategory (for example, cold water aquatic life or primary contact recreation):

- Aquatic Life—salmonid spawning, cold water, seasonal cold water, or warm water
- Recreation—primary contact or secondary contact
- Water Supply—domestic, agricultural, or industrial

In addition, aesthetic and wildlife uses apply to all waters.

This facility discharges to the Insert Receiving Water in the Insert Assessment Unit. At the point of discharge, the Insert Receiving Water is protected for the following beneficial uses (IDAPA 58.01.02. Insert Appropriate Basin Subsection #):

- Insert beneficial use
- Insert beneficial use
- Insert beneficial use
- Insert beneficial use

Insert text here

3.2.2 Criteria

There are two types of criteria; narrative, and numeric.

3.2.2.1 Narrative criteria

Narrative water quality criteria (e.g., IDAPA 58.01.02.200) limit the toxic, radioactive, or other deleterious material concentrations that the facility may discharge. Surface waters of the state shall be free from:

- hazardous materials;
- toxic substances in concentrations that impair designated beneficial uses;
- deleterious materials;
- radioactive materials;
- floating, suspended, or submerged matter of any kind in concentrations causing nuisance or objectionable conditions or that may impair designated beneficial uses;
- excess nutrients that can cause visible slime growths or other nuisance aquatic growths impairing designated beneficial uses;
- oxygen demanding materials in concentrations that would result in an anaerobic water condition; and

- sediment in quantities that impair designated beneficial uses.

Narrative criteria protect the specific designated uses of all fresh waters

3.2.2.2 Numeric Criteria for Toxics

Idaho Water Quality Standards (IDAPA 58.01.02.210) provide the numeric criteria for toxic substances for waters designated for aquatic life, recreation, or domestic water supply use. Monitoring of the effluent has shown that the following toxic pollutants have been present at detectable levels in the effluent:

Insert toxic pollutants present in effluent

3.2.2.3 Numeric Criteria to protect Aquatic Life Uses

pH: Within the range of 6.5 to 9.0

Total Dissolved Gas: <110% saturation at atm. pressure.

Dissolved Oxygen: Exceed 6 mg/L at all times.

Temperature: Water temperatures of 22°C or less with a maximum daily average of no greater than 19°C.

Ammonia: criteria are based on a formula which relies on the pH and temperature of the receiving water, because the fraction of ammonia present as the toxic, un-ionized form increases with increasing pH and temperature. Therefore, the criteria become more stringent as pH and temperature increase. The equations used to determine water quality criteria for ammonia can be found in Appendix C.

Insert collecting entity has collected pH data in the insert name of receiving water upstream and downstream of the facility from insert dates. Temperature data were collected upstream of the facility from insert dates. These data were used to determine the appropriate pH and temperature values to calculate the ammonia criteria.

As with any natural water body the pH and temperature of the water will vary over time. Therefore, to protect water quality criteria it is important to develop the criteria based on pH and temperature values that will be protective of aquatic life at all times. DEQ used the insert 95th percentile or maximum of the pH and temperature data for the calculations, which were calculated to be insert pH 95th percentile or maximum and insert temperature 95th percentile or maximum.

Turbidity: Turbidity below any applicable mixing zone set by the Department shall not exceed background turbidity by more than 50 NTU instantaneously or more than 25 NTU for more than ten (10) consecutive days.

Salmonid spawning: Waters designated for salmonid spawning are to exhibit the following characteristics during the spawning period and incubation for the particular species inhabiting those waters:

Water temperatures of 13°C or less with a maximum daily average no greater than 9°C.

3.2.2.4 Numeric Criteria to protect Recreational Uses

Geometric Mean Criterion. Waters designated for primary or secondary contact recreation are not to contain E. coli in concentrations exceeding a geometric mean of 126 cfu/100 ml based on a minimum of 5 samples taken every 3 to 7 days over a 30 day period.

Use of Single Sample Values: This section states that that a water sample that exceeds certain “single sample maximum” values indicates a likely exceedance of the geometric mean criterion, although it is not, in and of itself, a violation of water quality standards. For waters designated for primary contact recreation, the “single sample maximum” value is 406 cfu/100 ml (IDAPA 58.01.02.251.01.b.ii.) for primary contact recreation and 576 cfu/100 ml for secondary contact recreation.

3.2.3 Antidegradation

DEQ’s antidegradation policy provides three levels of protection from degradation of existing water quality.

- Tier I of antidegradation protection applies to all water bodies under the CWA and requires that existing uses and the water quality necessary to protect those uses be maintained and protected.
- Tier II protection applies to any water bodies considered to be high quality waters (where the water quality exceeds levels necessary to support propagation of fish, shellfish, wildlife, and recreation in and on the water) and provides that water quality will be maintained and protected unless allowing for lower water quality is deemed by the state as necessary to accommodate important economic or social development in the area. In allowing any lowering of water quality DEQ must ensure adequate water quality to protect existing uses fully and must assure that there will be achieved the highest statutory and regulatory requirements for all new and existing point sources.
- Tier III protection applies to water bodies that have been designated by DEQ as outstanding national resource waters and provides that water quality is to be maintained and protected.

DEQ employs a water body by water body approach to implementing Idaho’s antidegradation policy. This approach means that any water body fully supporting its beneficial uses will be considered high quality (IDAPA 58.01.02.052.05.a). Any water body not fully supporting its beneficial uses will be provided Tier 1 protection for that use, unless specific circumstances warranting Tier 2 protection are met (IDAPA 58.01.02.052.05.c). The most recent federally approved Integrated Report and supporting data are used to determine support status and the tier of protection (IDAPA 58.01.02.052.05).

As noted above, a Tier I review is performed for all new or reissued permits, applies to all waters subject to the jurisdiction of the Clean Water Act, and requires demonstration that existing uses and the level of water quality necessary to protect existing uses shall be maintained and protected. In order to protect and maintain the designated **insert uses here** and existing **insert uses here** uses for **insert receiving water body**, the effluent limits and associated requirements in

this permit are set at levels that ensure compliance with the narrative and numeric water quality standards.

To determine whether degradation may occur, DEQ evaluated how the effluent limits proposed in this permit affect water quality for each pollutant that is relevant to insert aquatic life use here and insert recreation use here. These include insert pollutants here.

Insert tier II analysis starting here

3.2.4 Clean Water Act §402(o)(3)

DEQ compared the effluent limits proposed in this permit with the Insert previous permit issued OR permit modified on _____

Table 8. Comparison of previous and proposed effluent limits.

Parameter	Basis of Limit	Previous Effluent Limits: Outfall # 001		Proposed Effluent Limits: Outfall # 001	
		Average Monthly	Average Weekly	Average Monthly	Average Weekly
Insert parameter					

Insert text to describe rationale for effluent limit changes

3.2.5 Mixing zones

A mixing zone is the defined area in the receiving water surrounding the discharge where wastewater mixes with receiving water. Within mixing zones the pollutant concentrations may exceed water quality numeric standards, so long as the discharge doesn't interfere with designated uses of the receiving water body (for example, recreation, water supply, and aquatic life and wildlife habitat, etc.) The pollutant concentrations outside of the mixing zones must meet water quality numeric standards.

DEQ has not authorized a mixing zone in the permit.

DEQ has authorized a mixing zone in the permit. Pollutants in an effluent may affect the aquatic environment near the point of discharge (zone of initial dilution), but not past the boundary of the authorized mixing zone. Insert text here

Table 9. Dilution factors.

Criteria	Acute	Chronic
Aquatic Life	Insert	Insert
Human Health, Carcinogen	Insert	Insert
Human Health, Non-carcinogen	Insert	Insert

3.3 Water Quality Impairments

Water bodies not supporting existing or designated beneficial uses must be identified as water quality limited, and a total maximum daily load (TMDL) must be prepared for those pollutants causing impairment. A central purpose of TMDLs is to establish wasteload allocations for point source discharges, which are set at levels designed to help restore the water body to a condition that supports existing and designated beneficial uses. Discharge permits must contain limitations that are consistent with wasteload allocations in the approved TMDL.

The EPA-approved insert appropriate TMDL name (date of TMDL) establishes wasteload allocations for insert pollutants with wasteload allocations. These wasteload allocations are designed to ensure the insert receiving water body name will achieve the water quality necessary to support its existing and designated aquatic life beneficial uses and comply with the applicable numeric and narrative criteria. The effluent limitations and associated requirements contained in the insert name of facility permit are set at levels that comply with these wasteload allocations.

Insert text here

DEQ has not documented any water quality impairments in the receiving water in the vicinity of the outfall.

Insert receiving water name is listed on the current 303(d) and is impaired for insert pollutant. DEQ is currently conducting a Total Maximum Daily Load (TMDL)..... OR DEQ has completed a Total Maximum Daily Load (TMDL).....

3.4 Evaluation of Water Quality-Based Effluent Limits for Narrative Criteria

DEQ must consider the narrative criteria described in IDAPA 58.01.02.200 when it determines permit limits and conditions. Narrative water quality criteria limit the toxic, radioactive, or other deleterious material concentrations that the facility may discharge which have the potential to adversely affect designated uses, cause acute or chronic toxicity to biota, impair aesthetic values, or adversely affect human health. DEQ considers the toxicity of the wastewater discharge by requiring whole effluent toxicity (WET) testing when it receives information indicating that toxicity may be present in this effluent. If WET testing results indicate toxicity, effluent limits are necessary.

Insert text here

3.5 Evaluation of Water Quality-Based Effluent Limits for Numeric Criteria

A water quality-based effluent limit is designed to ensure that the water quality standards applicable to a waterbody are being met and may be more stringent than technology-based effluent limits. The calculations for the effluent limits proposed in the draft permit are provided in Appendix C.

Insert text here

3.5.1 Low Flow Design Conditions

The low flow conditions of a water body are used to determine water quality-based effluent limits. In general, Idaho’s water quality standards require criteria be evaluated at the following low flow design conditions (See IDAPA 58.01.02.210.03) as defined in Table 10.

Table 10. Low flow design conditions.

Criteria	Flow Condition
Acute aquatic life	1Q10 or 1B3
Chronic aquatic life	7Q10 or 4B3
Non-carcinogenic human health criteria	30Q5
Carcinogenic human health criteria	harmonic mean flow
Ammonia	30B3 or 30Q10

1. The 1Q10 represents the lowest one day flow with an average recurrence frequency of once in 10 years.
2. The 1B3 is biologically based and indicates an allowable exceedance of once every 3 years.
3. The 7Q10 represents lowest average 7 consecutive day flow with an average recurrence frequency of once in 10 years.
4. The 4B3 is biologically based and indicates an allowable exceedance for 4 consecutive days once every 3 years.
5. The 30Q5 represents the lowest average 30 consecutive day flow with an average recurrence frequency of once in 5 years.
6. The 30Q10 represents the lowest average 30 consecutive day flow with an average recurrence frequency of once in 10 years.
7. The harmonic mean is a long-term mean flow value calculated by dividing the number of daily flow measurements by the sum of the reciprocals of the flows.

DEQ determined critical low flows upstream of the discharge from the insert USGS Station or other source. The estimated low flows for the station are presented in Table 11. Estimated low flows for insert receiving water can be found in Table 11.

Table 11. Estimated low flows for insert receiving water.

Flows	cfs
1Q10	
7Q10	
30B3	
30Q5	
Harmonic Mean	

Insert text here

4 Monitoring Requirements

Idaho regulations IDAPA 58.01.02 and 58.01.25 require that monitoring be included in permits to determine compliance with effluent limitation. Monitoring may also be required to gather data to assess the need for future effluent limitations or to monitor effluent impacts on receiving water quality. Permittees are responsible for conducting the monitoring and reporting the results to EPA and/or IDEQ on monthly DMRs and in annual reports.

4.1 Effluent Monitoring

Monitoring frequencies are based on the nature and effect of the pollutant, as well as a determination of the minimum sampling necessary to adequately monitor the facility’s performance. Permittees have the option of taking more frequent samples than are required under the permit. These samples must be used for averaging if they are conducted using the EPA-approved test methods (generally found in 40 CFR 136) or as specified in the permit.

Table 12 presents the proposed effluent monitoring requirements in the draft permit. The sampling location must be after the last treatment unit and prior to discharge to the receiving water. The samples must be representative of the volume and nature of the monitored discharge. If no discharge occurs during the reporting period, “no discharge” shall be reported on the DMR.

Table 12. Effluent monitoring requirements.

Parameter	Units	Minimum Frequency	Sample Type	Sample Location	Report
Insert	Insert	Insert	Insert	Insert	Insert

As a pretreatment publicly owned treatment works (POTW), the City of Insert name or municipality is required to sample influent, primary clarifier effluent, final effluent, and sludge for toxic pollutants in order to characterize the industrial input. Sampling is also done to determine if pollutants interfere with the treatment process or pass-through the plant to the sludge or the receiving water. The Insert name of municipality will use the monitoring data to develop local limits which commercial and industrial users must meet.

4.1.1 Monitoring Changes from the Previous Permit

Monitoring insert type of change for insert parameters has/have been changed relative to the previous permit. Changes in monitoring are based on insert rationale. Table 13, below, summarizes the changes that were made based on insert rationale.

Table 13. Changes in monitoring frequency from previous permit.

Parameter	Permit Expiring Insert Date	New Permit
Insert	Insert	Insert

Insert text

4.2 Receiving Water Monitoring

Insert Text to describe receiving water monitoring

Table 14 presents the proposed receiving water monitoring requirements for the draft permit. Insert permittee name should continue receiving water monitoring at the established locations. Receiving water monitoring results must be submitted with the DMR.

Table 14. Receiving water monitoring requirements.

Parameter	Units	Frequency	Sample Type	Report
Insert	Insert	Insert	Insert	Insert

5 Special Conditions

5.1 Compliance Schedule

The proposed permit includes a compliance schedule **Insert necessary additional text.....**

5.2 Facility Planning

Insert Text to describe reasoning behind an updated facility plan.

5.3 Nondomestic Waste Management

The permittee has nonsignificant, nondomestic (industrial / commercial) users, which are not subject to the pretreatment standards in 40 CFR 405 through 471, and therefore DEQ does not require an authorized pretreatment program. The permittee must ensure that pollutants from nondomestic wastes discharged to their system do not negatively impact system operation or pass through the facility. The Permittee must not authorize discharges of pollutants that would inhibit, interfere, or otherwise be incompatible with operation of the treatment works, including *interference* with the use or disposal of municipal sludge.

Insert Text to describe nondomestic users or other information.

5.4 Pretreatment

If legal authority needs to be established, include the following if you require the permittee to develop a municipal code. Work with the pretreatment coordinator and the IDEQ regional office WW engineer to determine if you should include in the permit. Edit text to work for your situation. List all identified SIUs.

Any SIU discharging to a POTW requires the POTW to develop a pretreatment program. The following are SIUs which contribute:

Insert Company Name, Address

Special Condition **insert pretreatment special condition section** requires that the Permittee develop legal authority enforceable in Federal, State or local courts which authorizes or enables the POTW to apply and to enforce the requirement of sections 307 (b) and (c) and 402(b)(8) of the Clean Water Act, as described in 40 CFR 403.8(f)(1). The legal authority must be adopted and enforced by the POTW. The EPA has a Model Pretreatment Ordinance for use by municipalities operating POTWs that are required to develop pretreatment programs to regulate industrial discharges to their systems (EPA, 2007).

Insert name must develop a pretreatment program to provide more direct and effective control of pollutants discharged to the sanitary sewer, as required under 40 CFR Part 403 . The program must detect and enforce against violations of categorical pretreatment standards promulgated under the federal Clean Water Act.

DEQ will provide technical assistance to Insert name in fulfilling these joint obligations. In particular, it will assist with developing an adequate sewer use ordinance, notification procedures, enforcement guidelines, and developing local limits and inspection procedures.

DEQ delegated authority to Insert permittee name for permitting, monitoring, and enforcement over industrial users discharging to their treatment system to provide more direct and effective control of pollutants. DEQ oversees the delegated Industrial Pretreatment Program to assure compliance with federal pretreatment regulations (40 CFR Part 403) and categorical standards.

As sufficient data becomes available, Insert name must, in consultation with DEQ, reevaluate its local limits in order to prevent pass-through or interference. If any pollutant causes pass-through or interference, or exceeds established sludge standards, Insert name must establish new local limits or revise existing local limits as required by 40 CFR 403.5. In addition, DEQ may require revision or establishment of local limits for any pollutant that causes a violation of water quality standards or established effluent limits, or that causes whole effluent toxicity.

5.5 Plans

5.5.1 Spill Plan

The permittee shall update/develop and implement a plan for Insert Purpose and rationale for the plan.

5.5.2 Quality Assurance Plan

In accordance with IDAPA 58.01.25.300.05, permittees are required to develop procedures to ensure that the monitoring data submitted is accurate and explain data anomalies if they occur. The permittee is required to update/develop and implement a plan for Insert Purpose and rationale for the plan. The quality assurance plan shall consist of standard operating procedures for collecting, handling, storing and shipping samples, laboratory analysis, and data reporting. The plan shall be retained on site and made available to DEQ upon request.

5.5.3 Operation and Maintenance

The permit requires insert permittee name to properly operate and maintain all facilities and systems of treatment and control. Proper operation and maintenance is essential to meeting discharge limits, monitoring requirements, and all other permit requirements at all times. The permittee is required to develop or update and implement an operation and maintenance plan for their facility by insert date. The plan must be retained on site and made available to DEQ upon request.

5.5.4 Emergency Response Plan

The proposed permit requires/does not require this facility to update/develop and implement a plan for Insert Purpose and rationale for the plan.

5.5.5 Best Management Practices Plan

DEQ may specify in a permit the terms and conditions under which waste material may be disposed of. This permit requires/does not require the permittee to update/develop and implement a plan for Insert Purpose and rationale for the plan in order to prevent or minimize the potential for the release of pollutants to waters of the U.S. in Idaho through plant site runoff, spillage or leaks, or erosion. The draft permit contains certain BMP conditions which must be included in the BMP plan. The draft permit requires the permittee to develop a BMP plan within insert plan interval of the effective date of the final permit and implement the plan within insert bmp imp interval of the effective date of the final permit. The plan must be kept on site and made available to the Department upon request.

5.5.6 Phosphorus Management Plan

The proposed permit requires/does not require this facility to update/develop and implement a plan for Insert Purpose and rationale for the plan.

5.5.7 Mercury Minimization Plan

The proposed permit requires/does not require this facility to update/develop and implement a plan for Insert Purpose and rationale for the plan.

5.5.8 Methylmercury Fish Tissue Monitoring Plan

The proposed permit requires/does not require this facility to update/develop and implement a plan for Insert Purpose and rationale for the plan.

5.5.9 Storm Water Management Plan

The proposed permit requires/does not require this facility to update/develop and implement a plan for Insert Purpose and rationale for the plan.

5.6 Sludge / Biosolids

DEQ separates wastewater and sludge permitting. Idaho will obtain authority to issue sludge-only permits in July 2021 (beginning of the state's fiscal year 2022) for the purposes of regulating biosolids. DEQ may issue a sludge-only permit to each facility at a later date, as appropriate.

Until future issuance of a sludge-only permit, sludge management and disposal activities at each facility continue to be subject to the national sewage sludge standards at 40 CFR Part 503 and the requirements of Idaho's Wastewater Rules (IDAPA 58.01.16.480 and 650). The Part 503 regulations are self-implementing, which means that facilities must comply with them whether or not a permit has been issued. Idaho's Wastewater Rules requires a POTW to have the capability

to process sludge accumulated on-site in preparation for final disposal or reuse. Operations of these sludge processing, storage, and disposal activities must comply with the facility's sludge management plan.

Insert POTW specific text.

Insert Industrial specific text.

5.7 Municipal Lagoon Seepage Testing

Insert rationale for seepage testing.

5.8 Inflow and Infiltration Evaluation

Insert rationale for inflow and infiltration (I/I) evaluation.

5.9 Water Quality Trading

Insert details of the water quality trading options for this facility.

5.10 Decision Rationale for Variances/Waivers

Insert decision rationale for variance or waiver.

6 General Conditions

Sections 4 of the draft permit contains standard regulatory language that must be included in all IPDES permits. DEQ bases the standardized General Conditions on state and federal law and regulations. Because they are based on federal regulations, they cannot be challenged in the context of an individual NPDES permit action. The standard regulatory language covers requirements such as monitoring, recording, and reporting requirements, compliance responsibilities, and other general requirements.

7 Permit Issuance Procedures

This proposed permit meets all statutory requirements for DEQ to authorize a wastewater discharge. The permit includes limits and conditions to protect human health and aquatic life, and the beneficial uses of waters of the state of Idaho. DEQ proposes to issue this permit for a term of 5 years.

Insert alternate text if aligning with a reuse permit cycle.

7.1 Permit Modifications

DEQ may modify a permit before its expiration date only for causes specified in IDAPA58.01.25.201. A modification other than a *minor modification* requires preparing a draft permit that incorporates the proposed changes, preparing a fact sheet, and conducting a public review period. Only the permit conditions subject to the modification will be reopened when a permit is modified. All other conditions of the existing permit will remain in effect. Modifying a permit does not change the expiration date of the original permit.

8 References for Text and Appendices

- EPA. 1991. *Technical Support Document for Water Quality-based Toxics Control*. US Environmental Protection Agency, Office of Water, EPA/505/2-90-001.
- Water Pollution Control Federation. Subcommittee on Chlorination of Wastewater. *Chlorination of Wastewater*. Water Pollution Control Federation. Washington, D.C. 1976.
- EPA. 2010. *NPDES Permit Writers' Manual*. Environmental Protection Agency, Office of Wastewater Management, EPA-833-K-10-001.
- DEQ. 2016. *Public Participation in the Permitting Process* – needs additional DEQ citation info
- EPA, 2007. *EPA Model Pretreatment Ordinance*, Office of Wastewater Management/Permits Division, January 2007.
- EPA, 1993. *Guidance Document on Dynamic Modeling and Translators*

Appendix A. Public Involvement Information

[attach printed copy of the Public Notice]

Appendix B. Your Right to Appeal

You have a right to appeal this permit to the Board of Environmental Quality within 28 days of the date of receipt of the final permit. A Petition for Review must be filed with the Department's Hearing Coordinator within twenty eight (28) days after the Department serves notice of the final permit decision under Section 107 (Decision Process). A petition is filed when it is received by the Department's Hearing Coordinator at the address specified in Subsection 204.13.

All documents concerning actions governed by these rules must be filed with the Hearing Coordinator at the following address: Hearing Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255. Documents may also be filed by FAX at FAX No. (208) 373-0481 or may be filed electronically. The originating party is responsible for retaining proof of filing by FAX. The documents are deemed to be filed on the date received by the Hearing Coordinator. Upon receipt of the filed document, the Hearing Coordinator will provide a conformed copy to the originating party.

Appendix C. Technical Calculations

A. Technology-Based Effluent Limits

Insert appropriate introductory text here.

Mass-Based Limits

The federal regulation at 40 CFR 122.45(f) requires that effluent limits be expressed in terms of mass, except under certain conditions. The regulation at 40 CFR 122.45(b) requires that effluent limitations for POTWs be calculated based on the design flow of the facility. The mass based limits are expressed in pounds per day and are calculated as follows:

$$\text{Mass based limit (lb/day)} = \text{concentration limit (mg/L)} \times \text{design flow (mgd)} \times 8.34^1$$

Since the design flow for this facility is _____ mgd, the technology based mass limits for BOD₅ and TSS are calculated as follows:

$$\text{Average Monthly Limit} = 30 \text{ mg/L} \times \text{___ mgd} \times 8.34 = \text{___ lbs/day}$$

$$\text{Average Weekly Limit} = 45 \text{ mg/L} \times \text{___ mgd} \times 8.34 = \text{_____ lbs/day}$$

The concentration and removal rate limits for BOD₅ and TSS are the technology-based effluent limits of 40 CFR 133.102. As explained below, EPA has determined that more-stringent water quality-based effluent limits are necessary for pH, as well as E. coli, TRC, and phosphorus, in order to ensure compliance with water quality standards

B. Reasonable Potential and Water Quality-Based Effluent Limit Calculations

DEQ uses the process described in the *Technical Support Document for Water Quality-based Toxics Control* (EPA, 1991) to determine reasonable potential. To determine if there is reasonable potential for the discharge to cause or contribute to an exceedance of water quality criteria for a given pollutant, DEQ compares the maximum projected receiving water concentration to the water quality criteria for that pollutant. If the projected receiving water concentration exceeds the criteria, there is reasonable potential, and a water quality-based effluent limit must be included in the permit. This following section discusses how the maximum projected receiving water concentration is determined

Mass Balance

For discharges to flowing water bodies, the maximum projected receiving water concentration is determined using the following mass balance equation:

$$C_d Q_d = C_e Q_e + C_u Q_u \quad \text{Equation 1}$$

where,

C_d = Receiving water concentration downstream of the effluent discharge (that is, the

¹ 8.34 is a conversion factor with units (lb × L)/(mg × gallon × 10⁶)

- concentration at the edge of the mixing zone)
- C_e = Maximum projected effluent concentration
- C_u = 95th percentile measured receiving water upstream concentration
- Q_d = Receiving water flow rate downstream of the effluent discharge = $Q_e + Q_u$
- Q_e = Effluent flow rate (set equal to the design flow of the WWTP)
- Q_u = Receiving water low flow rate upstream of the discharge (1Q10, 7Q10 or 30B3)

When the mass balance equation is solved for C_d , it becomes:

$$C_d = \frac{C_e \times Q_e + C_u \times Q_u}{Q_e + Q_u} \quad \text{Equation 2}$$

The above form of the equation is based on the assumption that the discharge is rapidly and completely mixed with 100% of the receiving stream.

If the mixing zone is based on less than complete mixing with the receiving water, the equation becomes:

$$C_d = \frac{C_e \times Q_e + C_u \times (Q_u \times \%MZ)}{Q_e + (Q_u \times \%MZ)} \quad \text{Equation 3}$$

Where:

% MZ = the percentage of the receiving water flow available for mixing.

If a mixing zone is not allowed, dilution is not considered when projecting the receiving water concentration and,

$$C_d = C_e \quad \text{Equation 4}$$

A dilution factor (D) can be introduced to describe the allowable mixing. Where the dilution factor is expressed as:

$$D = \frac{Q_e + Q_u \times \%MZ}{Q_e} \quad \text{Equation 5}$$

After the dilution factor simplification, the mass balance equation becomes:

$$C_d = \frac{C_e - C_u}{D} + C_u \quad \text{Equation 6}$$

If the criterion is expressed as dissolved metal, the effluent concentrations are measured in total recoverable metal and must be converted to dissolved metal as follows:

$$C_d = \frac{CF \times C_e - C_u}{D} + C_u \quad \text{Equation 7}$$

Where C_e is expressed as total recoverable metal, C_u and C_d are expressed as dissolved metal, and CF is a conversion factor used to convert between dissolved and total recoverable metal.

The above equations for C_d are the forms of the mass balance equation which were used to determine reasonable potential and calculate wasteload allocations.

Maximum Projected Effluent Concentration

When determining the projected receiving water concentration downstream of the effluent discharge, the EPA's Technical Support Document for Water Quality-based Toxics Controls (TSD, 1991) recommends using the maximum projected effluent concentration (C_e) in the mass balance calculation (see equation 3). To determine the maximum projected effluent concentration (C_e) the EPA has developed a statistical approach to better characterize the effects of effluent variability. The approach combines knowledge of effluent variability as estimated by a coefficient of variation (CV) with the uncertainty due to a limited number of data to project an estimated maximum concentration for the effluent. Once the CV for each pollutant parameter has been calculated, the reasonable potential multiplier (RPM) used to derive the maximum projected effluent concentration (C_e) can be calculated using the following equations:

First, the percentile represented by the highest reported concentration is calculated.

$$p_n = (1 - \text{confidence level})^{1/n} \quad \text{Equation 8}$$

where,

p_n = the percentile represented by the highest reported concentration

n = the number of samples

confidence level = 99% = 0.99

and

$$RPM = \frac{C_{99}}{C_{P_n}} = \frac{e^{Z_{99} \times \sigma - 0.5 \times \sigma^2}}{e^{Z_{P_n} \times \sigma - 0.5 \times \sigma^2}} \quad \text{Equation 9}$$

Where,

σ^2 = $\ln(CV^2 + 1)$

Z_{99} = 2.326 (z-score for the 99th percentile)

Z_{P_n} = z-score for the P_n percentile (inverse of the normal cumulative distribution function at a given percentile)

CV = coefficient of variation (standard deviation \div mean)

The maximum projected effluent concentration is determined by simply multiplying the maximum reported effluent concentration by the RPM:

$$C_e = (RPM)(MRC) \quad \text{Equation 10}$$

where MRC = Maximum Reported Concentration

Maximum Projected Effluent Concentration at the Mixing Zone Boundary

Once the maximum projected effluent concentration is calculated, the maximum projected effluent concentration at the mixing zone boundary is calculated using the mass balance equations presented previously.

Reasonable Potential

The discharge has reasonable potential to cause or contribute to an exceedance of water quality criteria if the maximum projected concentration of the pollutant at the mixing zone boundary exceeds the most stringent criterion for that pollutant.

Results of Reasonable Potential Calculations

Insert text describing the results of the RPA.

C. WQBEL Calculations

The following calculations demonstrate how the water quality-based effluent limits (WQBELs) in the draft permit were calculated. The draft permit includes WQBELs for insert name of parameters. The following discussion presents the general equations used to calculate the water quality-based effluent limits. The calculations for all WQBELs are summarized in Table [redacted].

Calculate the Wasteload Allocations (WLAs)

Wasteload allocations (WLAs) are calculated using the same mass balance equations used to calculate the concentration of the pollutant at the mixing zone boundary in the reasonable potential analysis (Equations [redacted] and [redacted]). To calculate the wasteload allocations, C_d is set equal to the appropriate criterion and the equation is solved for C_e . The calculated C_e is the WLA. Equation [redacted] is rearranged to solve for the WLA, becoming:

$$C_e = WLA = D \times (C_d - C_u) + C_u \quad \text{Equation 11}$$

Idaho's water quality criteria for some metals are expressed as the dissolved fraction, but the Federal regulation at 40 CFR 122.45(c) requires that effluent limits be expressed as total recoverable metal. Therefore, the EPA must calculate a wasteload allocation in total recoverable metal that will be protective of the dissolved criterion. This is accomplished by dividing the WLA expressed as dissolved by the criteria translator, as discussed in *Guidance Document on Dynamic Modeling and Translators*, referenced in Section 8, the criteria translator (CT) is equal to the conversion factor, because site-specific translators are not available for this discharge.

$$C_e = WLA = \frac{D \times (C_d - C_u) + C_u}{CT} \quad \text{Equation 12}$$

The next step is to compute the “long term average” concentrations which will be protective of the WLAs. This is done using the following equations from the EPA’s *Technical Support Document for Water Quality-based Toxics Control (TSD)*:

$$LTA_a = WLA_a \times e^{(0.5\sigma^2 - z\sigma)} \quad \text{Equation 13}$$

$$LTA_c = WLA_c \times e^{(0.5\sigma_4^2 - z\sigma_4)} \quad \text{Equation 14}$$

where,

- $\sigma^2 = \ln(CV^2 + 1)$
- $Z_{99} = 2.326$ (z-score for the 99th percentile probability basis)
- CV = coefficient of variation (standard deviation ÷ mean)
- $\sigma_4^2 = \ln(CV^2/4 + 1)$

For ammonia, because the chronic criterion is based on a 30-day averaging period, the Chronic Long Term Average (LTAc) is calculated as follows:

$$LTA_c = WLA_c \times e^{(0.5\sigma_{30}^2 - z\sigma_{30})} \quad \text{Equation 15}$$

where,

$$\sigma_{30}^2 = \ln(CV^2/30 + 1)$$

The LTAs are compared and the more stringent is used to develop the daily maximum and monthly average permit limits as shown below.

Derive the Maximum Daily and Average Monthly Effluent Limits

Using the TSD equations, the MDL and AML effluent limits are calculated as follows:

$$MDL = LTA \times e^{(z_m\sigma - 0.5\sigma^2)} \quad \text{Equation 16}$$

$$AML = LTA \times e^{(z_a\sigma_n - 0.5\sigma_n^2)} \quad \text{Equation 17}$$

where σ , and σ^2 are defined as they are for the LTA equations above, and,

- $\sigma_n^2 = \ln(CV^2/n + 1)$
- $Z_a = 1.645$ (z-score for the 95th percentile probability basis)
- $Z_m = 2.326$ (z-score for the 99th percentile probability basis)
- n = number of sampling events required per month. With the exception of ammonia, if the AML is based on the LTAc, i.e., $LTA_{\text{minimum}} = LTA_c$, the value of “n” should be set at a minimum of 4. For ammonia, In the case of ammonia, if the AML is based on the LTAc, i.e., $LTA_{\text{minimum}} = LTA_c$, the value of “n” should be set at a minimum of 30.

Table , below, details the calculations for water quality-based effluent limits.

EXAMPLE TABLE; replace with appropriate spreadsheet

Pollutant		AMMONIA, Criteria as Total NH3	CHLORINE (Total Residual)	
Effluent Data	# of Samples (n)	11	60	
	Coefficient of Variation (Cv)	0.6	0.6	
	Effluent Concentration, µg/L (Max. or 95th Percentile)	100	75	
	Calculated 50th percentile Effluent Conc. (when n>10)			
Mixing Zone Used	Aquatic Life - Acute	1.5	1.5	
	Aquatic Life - Chronic		2.1	
	Ammonia	2.1		
	Human Health - Non-Carcinogen		5.3	
	Human Health - carcinogen		7.5	
Receiving Water Data	90th Percentile Conc., µg/L	300.0	0	
	Geo Mean, µg/L			
Water Quality Criteria	Aquatic Life Criteria, µg/L	Acute	1,395	19
		Chronic	273	11
	Human Health Water and Organism, µg/L		-	-
	Human Health, Organism Only, µg/L		-	-
	Metal Criteria Translator, decimal	Acute	-	-
		Chronic	-	-
	Carcinogen?	N	N	

Aquatic Life Reasonable Potential

σ	$\sigma^2 = \ln(CV^2 + 1)$		0.555	0.555
P_n	$= (1 - \text{confidence level})^{1/n}$	99%	0.658	0.926
Multiplier	$= \frac{\exp(2.3262\sigma - 0.5\sigma^2)}{\exp(\text{invnorm}(P_N)\sigma - 0.5\sigma^2)}$	99%	2.9	1.6
Max. conc.(ug/L) at edge of...		Acute	293	79.3
		Chronic	295	58.8
Reasonable Potential? Limit Required?			YES	YES

Aquatic Life Limit Calculation

n = # samples assumed to calculate AML			30	20
# of Compliance Samples Expected per month			30	20
LTA Coeff. Var. (CV), decimal	default = 0.6 or calculate from data		0.6	0.6
Permit Limit CV, decimal			0.6	0.6
Waste Load Allocations, ug/L	$C_d = (C_r \times MZ_a) - C_{sa} \times (MZ_a - 1)$	Acute	1,985.0	29.23
	$C_d = (C_r \times MZ_c) - C_{sc} \times (MZ_c - 1)$	Chronic	243.9	22.85
Long Term Averages, ug/L	$WLA_c \times \exp(0.5\sigma^2 - 2.326\sigma)$	Acute	637.3	9.39
	$WLA_a \times \exp(0.5\sigma^2 - 2.326\sigma);$ ammonia n=30	Chronic	190.3	12.05
Limiting LTA, ug/L	used as basis for limits calculation		190.3	9.39
Metal Translator or 1?			1.00	1.00
Average Monthly Limit (AML), ug/L		95%	226	12
Maximum Daily Limit (MDL), ug/L		99%	593	29
Average Monthly Limit (AML), mg/L			0.2	0.012

Maximum Daily Limit (MDL), mgL	0.6	0.029
Average Monthly Limit (AML), lb/day	1	0.03
Maximum Daily Limit (MDL), lb/day	1	0.1

D. Effluent Limit Calculations for pH

Include this section if the permit includes a mixing zone for pH. The following is just an example.

The following tables demonstrate how appropriate effluent limitations were determined for pH. The pH at the edge of the mixing zone is a function of effluent and ambient pH, temperature, and alkalinity. The critical alkalinity is the minimum for the ambient water and the maximum for the effluent. The critical pHs for the upper pH limit are the maximum effluent pH limit and the 95th percentile ambient pH. The critical pHs for the lower pH limit are the minimum effluent pH limit and the 5th percentile ambient pH. DEQ adjusted the effluent pH in 0.1 standard unit intervals until the pH at the edge of the mixing zone was between 6.5 and 9.0 standard units, as required by the water quality standards. DEQ did not evaluate effluent pHs above 9.0 standard units or below 6.0 standard units, because this is the range of the technology-based effluent limits for pH.

EXAMPLE TABLE; replace with appropriate information

Table [] summarizes the source of input for the calculations:

Input	Source of Input
1. Dilution Factor at Mixing Zone Boundary	
2. Ambient/Upstream/Background Conditions	
Temperature (deg C):	
pH:	
Alkalinity (mg CaCO ₃ /L):	
3. Effluent Characteristics	
Temperature (deg C):	
pH:	
Alkalinity (mg CaCO ₃ /L):	

Calculation of pH of a Mixture of Two Flows

Based on the procedure in the EPA's DESCONE program (EPA, 1988. Technical Guidance on Supplementary Stream Design Conditions for Steady State Modeling. US EPA Office of Water, Washington D.C.)

INPUT	Yr. Around Basis	
	Min Limit	Max Limit
1. Dilution Factor at Mixing Zone Boundary		
2. Ambient/Upstream/Background Conditions		
Temperature (deg C):		
pH:		
Alkalinity (mg CaCO ₃ /L):		
3. Effluent Characteristics		
Temperature (deg C):		
pH:		
Alkalinity (mg CaCO ₃ /L):		
OUTPUT		
1. Ionization Constants		
Upstream/Background pKa:		
Effluent pKa:		
2. Ionization Fractions		
Upstream/Background Ionization Fraction:		
Effluent Ionization Fraction:		
3. Total Inorganic Carbon		
Upstream/Background Total Inorganic Carbon (mg CaCO ₃ /L):		
Effluent Total Inorganic Carbon (mg CaCO ₃ /L):		
4. Conditions at Mixing Zone Boundary		
Temperature (deg C):		
Alkalinity (mg CaCO ₃ /L):		
Total Inorganic Carbon (mg CaCO ₃ /L):		
pKa:		
RESULTS		
pH at Mixing Zone Boundary:		

Appendix D. Public Comments and Response to Comments

[DEQ will complete this section after the public notice of draft period.]

Appendix E. Facility Maps / Process Schematics

Insert map, diagram, or schematic here.

Appendix E. Publicly Owned Treatment Works with Pretreatment Programs

This page intentionally left blank for correct double-sided printing.

NPDES ID	FACILITY NAME	STATUS	STATE WATER BODY	ORIGINAL DATE	ISSUE DATE	EFFECTIVE DATE	EXPIRATION DATE
ID0021261	CITY OF IDAHO FALLS WWTP	EFF	SNAKE RIVER	10/18/1974	9/20/2012	11/1/2012	10/31/2017
ID0021784	CITY OF POCA TELLO WATER POLLUTION CONTROL FACILITY (WPCF)	EFF	PORTNEUF RIVER	08/02/1974	7/27/2012	9/1/2012	8/31/2017
ID0022063	CITY OF NAMPA WWTP	ADC	INDIAN CREEK	12/29/1998	12/29/1998	2/1/1999	2/2/2004
ID0023817	CITY OF REXBURG WWTP	EXP	TETON RIVER, REXBURG CANAL	11/08/1974	8/9/2001	9/11/2001	9/11/2006
ID0021504	CITY OF CALDWELL WWTP	ADC	BOISE RIVER & INDIAN CREEK	12/29/1998	12/29/1998	2/1/1999	2/2/2004
ID0022055	CITY OF LEWISTON WWTP	ADC	CLEARWATER, ARM OF-GRANITE DAM POOL	12/18/1974	11/26/2001	12/31/2001	1/2/2007
ID0023981	CITY OF WEST BOISE WWTP	EFF	BOISE RIVER (RIVER MILE 45.1)	11/08/1974	3/15/2012	8/1/2012	7/31/2017
ID0020095	CITY OF BURLEY WWTP	ADC	SNAKE RIVER	12/31/1974	11/29/2001	1/7/2002	1/8/2007
ID0022853	CITY OF COEUR D'ALENE WWTP	EFF	SPOKANE RIVER	09/30/1999	9/30/2014	12/1/2014	11/30/2019
ID0020044	CITY OF BLACKFOOT WWTP	EFF	SNAKE RIVER	07/27/1977	6/26/2013	9/1/2013	8/31/2018
ID0020842	CITY OF SANDPOINT WWTP	ADC	PEND OREILLE RIVER	06/14/1974	11/30/2001	1/5/2002	1/5/2007
ID0021270	CITY OF TWIN FALLS WWTP	ADC	SNAKE RIVER RM 608.5	03/28/1974	9/22/2009	11/1/2009	10/31/2014

This page intentionally left blank for correct double-sided printing.

Appendix F. Memorandum of Understanding between DEQ and ISDA

This page intentionally left blank for correct double-sided printing.

1 Objective

The objectives of the Memorandum of Understanding (hereafter, MOU) are:

1) to define roles of the Idaho Department of Environmental Quality (hereafter, DEQ) and the Idaho State Department of Agriculture (hereafter, ISDA) relating to the administration of the Idaho Pollutant Discharge Elimination System (IPDES) program and

2) to develop an IPDES concentrated animal feeding operation (CAFO) program that is as efficient and effective as possible and which avoids a duplication of effort.

DEQ and ISDA propose to help ensure an efficient and effective program and minimize duplication by having employees of ISDA conduct IPDES inspections on behalf of DEQ and thereby utilize the expertise of ISDA and take advantage of ISDA's existing presence on certain animal feeding operations (AFOs) and dairy farms as part of ISDA's existing regulatory programs.

This MOU is intended solely to assist DEQ in implementing the IPDES program for certain AFOs and CAFOs within Idaho. Nothing in this MOU creates or implies duties, rights, benefits, substantive or procedural, for third parties or others.

2 Background and Authorities

1. This MOU is entered into pursuant to the following described authorities. Idaho Code §§39-175A through 39-175E authorizes DEQ to take those actions necessary to obtain approval of and to implement a state national pollutant discharge elimination system (NPDES) program under the Clean Water Act. (This program is hereinafter referred to as the IPDES program.)
2. Pursuant to the authority provided in Idaho Code §§39-175A et seq., DEQ has adopted IPDES rules, IDAPA 58.01.25, that include requirements for CAFOs.
3. ISDA regulates AFOs, CAFOs and dairy farms pursuant to the Beef Cattle Environmental Control Act, Idaho Code §§22-4901 through 22-4910, the Dairy Environmental Control Act, Idaho Code §§37-601 through 37-609, the Poultry Environmental Act, Idaho Code §§25-4001 through 25-4014, and rules adopted under the authority of these Acts.
4. DEQ regulates swine CAFOs pursuant to Idaho Code §§39-104A, 39-7901 through 39-7916, and rules adopted under the authority of these sections.
5. DEQ has the sole authority with respect to implementing the IPDES program. However, Idaho Code §39-175C(5) provides that the Director of DEQ shall, as appropriate, establish agreements with other state agencies with expertise to administer the IPDES program. Similar authority to establish an agreement regarding the administration of the IPDES program exists in the Beef Cattle Environmental Control Act and the Dairy

Environmental Control Act. In addition, Idaho Code §67-2510 provides that all Idaho departments shall cooperate with each other in the employment of services and the use of quarters and equipment, and provides that the Director of a department may empower employees of other departments to perform duties required of his own subordinates. Departments are also directed to assist other departments in the inspection, examination, or securing of data or information.

6. Pursuant to the authorities listed above, ISDA reviews and approves plans and specifications and nutrient management plans for certain AFOs, CAFOs and dairy farms, and conducts inspections of operations and farms to ensure compliance with state law. As a result, ISDA has an existing expertise with respect to AFOs, CAFOs and dairy farms and conducts inspections multiple times a year. This MOU is intended to take advantage of this expertise and the fact that ISDA already conducts inspections on these facilities.

3 General Program Understanding

The intent of this section is to identify guiding principles not specific to the permitting process for CAFOs on which DEQ and ISDA agree and will follow during the effective dates of this MOU.

3.1 Rules, Standards, Technical Policies, Guidelines, and General Enforcement Philosophy

Recognizing the need for collaboration and cooperation in the implementation of the IPDES CAFO program, DEQ and ISDA agree to:

1. work cooperatively in the preparation of rules, standards, technical policies, or guidelines with regards to AFOs and CAFOs that have obtained a permit or may be required to obtain a permit;
2. notify each other of all public meetings and hearings pertaining to rules associated with the IPDES CAFO program;
3. provide each other with draft copies of the documents related to rules associated with the IPDES CAFO program for a 30 day review and comment period prior to the initiation of any formal negotiated rule making; and
4. coordinate prior to any designation of an animal feeding operation as a CAFO or requiring an AFO to apply for an IPDES individual permit or coverage under a general permit.

3.2 Consultations, Technical Assistance, and Training

DEQ and ISDA agree to, within resource limitations, provide consultation, training, and technical assistance to the other when requested. ISDA inspectors certified by DEQ as IPDES

inspectors for CAFO related issues will use that certification only in the manner specified by DEQ to assist with fulfilling DEQ's obligations under state and federal environmental statutes.

DEQ will provide to ISDA staff identified as certified inspectors training in IPDES CAFO inspections and opportunities for continuing education credits. DEQ will rely on EPA's NPDES Compliance Inspection Manual (until such time as DEQ has developed an equivalent state specific guidance) to describe the details and requirements of a CAFO inspection.

Procedures for Certifying CAFO inspectors

1. ISDA will provide to DEQ a list of individual inspectors who should be certified by DEQ.
2. DEQ will provide to those identified individuals a list of required training courses that must be completed prior to certification. This training will include 3 basic parts:
 - a. EPA's Basic Inspector Training,
 - b. Occupational Health and Safety Training, and
 - c. IPDES program specific training. IPDES program specific training will include a mandatory reading list, self-study, on-the-job training, review of inspection reports/files, and mandatory refresher training.
3. The inspector's supervisor will certify and provide documentation to the DEQ compliance, inspection, and enforcement lead that the training has been completed. Verification and documentation should be provided prior to or when the inspector submits a request for certification.

3.3 Sharing and Dissemination of Information

DEQ and ISDA agree that efficient and effective management of an IPDES CAFO program relies heavily on seamless transmittal of information from one to the other. To this end, DEQ will work with ISDA to ensure that there is an efficient means of transferring data relating to permitting, compliance, inspection, and enforcement for all aspects of the IPDES CAFO program.

DEQ and ISDA will share information regarding records pertinent to the IPDES CAFO program in electronic form to the maximum extent possible, unless the records are deemed confidential. DEQ will develop an online application process for CAFOs seeking coverage under an individual or general permit.

3.4 Coordination of Programs

DEQ and ISDA will coordinate efforts to the maximum extent possible. This effort will include coordination meetings between the IPDES program and ISDA staff

- to inform each agency of any upcoming IPDES enforcement actions,
- to identify inspection needs,

- to set an inspection schedule for IPDES permitted CAFOs,
- to inform ISDA regarding any planned DEQ inspections of IPDES CAFO facilities,
- to inform DEQ regarding the number of non-IPDES CAFO inspections and
- to coordinate training of ISDA and DEQ staff.

DEQ and ISDA will also hold quarterly conference calls, unless deemed unnecessary, to deal with any urgent or outstanding issues regarding IPDES permitted or non-permitted CAFOs and exchange information about inspection results.

4 Roles and Responsibilities for Specific Components of the IPDES CAFO program

4.1 Permitting

DEQ is responsible for IPDES permitting of CAFOs in Idaho. ISDA will provide general technical assistance with regards to the review of permits and nutrient management plans. Once DEQ receives authorization to implement the CAFO component of the IPDES program, any CAFO covered under an EPA CAFO general permit will automatically transition to a DEQ IPDES permit. A CAFO not covered under the EPA CAFO general (or individual) permit but who wishes to seek coverage under the IPDES CAFO general (or individual) permit will need to submit an application for coverage (or NOI). ISDA and DEQ will then review the NMP that the CAFO is using to determine if it meets the requirements of the Clean Water Act. If the NMP meets Clean Water Act requirements, the NMP can be scheduled for public comment. If the NMP does not meet Clean Water Act requirements, even if it has been previously approved by ISDA, DEQ will work with ISDA and the applicant to determine what additional components are necessary in order to provide coverage under a general or individual CAFO permit.

4.1.1 General IPDES Permit for CAFOs

DEQ will:

1. Draft a general CAFO permit pursuant to the IPDES program rules and following the guidance identified in EPA's Permit Writer's Manual for CAFOs.
2. Provide ISDA with a working copy of the draft general IPDES CAFO permit for comment prior to providing a public comment period to allow ISDA staff an opportunity to provide comments and suggestions regarding the draft general permit.
3. Provide notice of a public comment period for the draft general permit and collect public comments on the draft general permit as required under the IPDES program rules.
4. Provide a preliminary draft response to public comments to ISDA staff for review.
5. Issue final IPDES general permit for CAFOs.
6. Determine if an applicant qualifies for coverage under the general permit.
7. Evaluate the recommendation from ISDA regarding the adequacy of a NMP in meeting Clean Water Act requirements submitted as part of an application for coverage under an IPDES permit.

8. Provide notice of a public comment period for NOIs and NMPs submitted by CAFOs for coverage under the general permit, collect public comments on the NOI and NMP, and otherwise comply with public participation requirements.
9. Provide a preliminary draft response to public comments on the NOI and NMP to ISDA staff for review.
10. Make final determination of approval or disapproval of applicant for coverage under the IPDES CAFO general permit. In the case of approval, DEQ will include the NMP in an appendix to the general permit as conditions specific to that CAFO.

ISDA will:

1. Review and provide comments on the draft IPDES CAFO general permit within 30 days of receiving the draft copy.
2. Review and provide comments and edits on the preliminary draft response to public comments within 30 days of receiving the draft response to public comments.
3. Review and provide recommendations to DEQ and applicant within 30 days of receiving the NMP regarding the adequacy of a NMP in meeting Clean Water Act requirements submitted as part of an NOI for coverage under the general permit.
4. Review and provide comments on the preliminary draft response to public comments on an NOI and NMP submitted for coverage under the IPDES CAFO general permit within 30 days of receiving the preliminary draft.

4.1.2 Individual permits for CAFOs

DEQ will:

1. Draft an individual CAFO permit pursuant to the IPDES program rules and following the guidance identified in EPA's Permit Writer's Manual for CAFOs.
2. Provide ISDA with a copy of the application for an individual IPDES CAFO permit including the NMP for a 30-day review.
3. Provide ISDA with a working copy of the draft individual permit for comment prior to providing a public comment period to allow ISDA staff an opportunity to provide comments and suggestions regarding the draft individual permit.
4. Follow the process and procedures for issuing an individual permit as outlined in IDAPA 58.01.25 and the IPDES User's Guide.
5. Provide notice of a public comment period regarding the individual permit and associated NMP and collect public comments on the draft individual permit and otherwise comply with the public participation requirements.
6. Provide a preliminary draft response to public comments to ISDA staff for a 30-day review.
7. Make final permitting decision regarding the IPDES permit. If DEQ determines to issue a permit, DEQ will include the NMP in the individual permit as conditions specific to that CAFO.

ISDA will:

1. Review and provide comments to DEQ on the adequacy of applicant's NMP in meeting Clean Water Act requirements within 30 days of receiving the copy of the application with NMP.

2. Review and provide comments on the draft individual IPDES permit within 30 days of receiving the preliminary draft individual permit.
3. Review and provide comments and edits on the preliminary draft response to public comments within 30 days of receiving the draft response to public comments.

4.2 IPDES Inspections and Complaints

DEQ is authorized to conduct investigations, inspections, and enter upon private property to collect information in order to determine compliance with the IPDES program requirements (Idaho Code §§39-175E and 39-108). DEQ is also authorized to enter into an agreement with ISDA relating to the administration of the IPDES program to ensure the IPDES program and the ISDA state programs are coordinated and consistent. To the extent provided in this section, ISDA agrees to conduct inspections on behalf of DEQ in order to assist DEQ in the implementation of the IPDES program. To the maximum extent practicable, ISDA and DEQ will coordinate inspection efforts to ensure the efficient and effective implementation of the program and reduce duplicative efforts by sister agencies.

Pursuant to DEQ's Compliance Monitoring Strategy and consistent with national policy, large and medium CAFOs covered by an IPDES permit should be inspected using procedures consistent with EPA's Compliance Inspection Manual once every 5 years to evaluate compliance with the IPDES permit. These inspections should be carried out by a certified inspector for the purpose of evaluating compliance of the permitted CAFO with conditions identified in the permit.

CAFOs not covered by an IPDES permit are to be evaluated annually by ISDA to determine whether pollutants are discharged to a water of the United States in a manner that requires an IPDES permit. This includes an evaluation of practices associated with the land application of manure, litter, and process wastewater to determine if all land application discharges may be classified as exempt agricultural storm water.

DEQ will:

1. Reserve all of its inspection and investigation authorities, and may, as it deems appropriate, inspect any animal feeding operation (AFO) or CAFO for compliance with requirements of the IPDES program. DEQ will, in general, inform ISDA and the facility at least 7 days before conducting an inspection of a CAFO, unless DEQ deems there to be an immediate threat to public health or the environment presented from the discharge of pollutants to Waters of the United States (WOTUS).
2. Select IPDES permitted CAFOs for inspection in accordance with EPA's Compliance Inspection Manual or DEQ equivalent.
3. Coordinate any planned inspections with ISDA staff during the annual meeting.
4. Inform ISDA of the results of any inspections conducted by DEQ staff within 30 days of the inspection.
5. Forward to ISDA within 30 days any complaints received along with a record of the action(s) taken, if any, regarding a discharge of pollutants to surface water from a CAFO.
6. Forward to ISDA within 10 days any complaints received regarding a CAFO that does not relate to the IPDES program requirements.

7. Upon receipt of information from ISDA regarding a discharge to surface waters of the state from a non-IPDES permitted CAFO, be responsible for determining whether such a CAFO is required to obtain an IPDES permit.
8. Upon receipt of information from ISDA regarding a discharge to surface waters of the state from an AFO, be responsible for determining whether such a facility should be designated a CAFO, and whether it is required to obtain an IPDES permit.
9. Upon receipt of information from an inspection of an IPDES permitted CAFO, determine whether follow-up enforcement action is warranted.

ISDA will:

1. Perform inspections of non-IPDES permitted CAFOs at a frequency stipulated in ISDA rule and policy. ISDA and DEQ shall inform DEQ of the number of planned inspections of such facilities during the annual meeting. During an ISDA inspection, the inspector will evaluate the CAFO for the potential to discharge to surface waters of the state.
2. Inform the DEQ IPDES Program Manager and Compliance, Inspection, and Enforcement Lead via email of any non-IPDES permitted AFO or CAFOs with a discharge to a surface water of the state. This information should be provided no later than 30 days after the inspection identifying the discharge. Upon request from DEQ, provide DEQ access to any available information necessary for DEQ to determine whether an IPDES permit is required.
3. Forward to DEQ via email any complaints received regarding a non-IPDES permitted CAFO discharging pollutants to surface waters of the state along with the record of any actions taken regarding the complaint. Upon request from DEQ, provide DEQ access to any available information necessary for DEQ to determine whether an IPDES permit is required.
4. Perform inspections of IPDES permitted CAFOs in order to determine compliance with IPDES permit requirements according to a schedule agreed to with DEQ at the annual meeting. Such inspections shall be conducted in accordance with EPA's Compliance Inspection Manual.
5. Forward to DEQ in an electronic format the results of inspections on IPDES permitted CAFOs carried out by certified ISDA inspectors.
6. In the event an ISDA inspector is denied access to any facility or information related to the IPDES program requirements, he or she shall notify DEQ. It shall be DEQ's responsibility to follow up with appropriate action in response to the denial.
7. ISDA inspectors shall be available as witnesses and to provide support in a DEQ IPDES program enforcement action related to an inspection conducted by the ISDA inspector.
8. An inspection by ISDA is the gathering of evidence and the physical observation of certain conditions and is not a determination of compliance with IPDES program requirements.

4.3 Enforcement Actions

DEQ retains all enforcement authority for any violations of the IPDES program requirements. ISDA and DEQ shall coordinate and consult with respect to enforcement for actions that violate both IPDES program requirements and the requirements of the ISDA programs.

5 Dispute Resolution

In the event of a dispute regarding implementation of this MOU, the parties shall make all reasonable efforts to resolve the dispute at the lowest staff level. The parties may request the assistance of a mutually agreed upon facilitator at any time. If a facilitator is engaged, the timelines will be adjusted according to a mutually agreed upon schedule. Unresolved disputes will be settled in the following hierarchical process;

1. Disputes that cannot be resolved between the immediate staff involved should be documented as to timing, issue, background, attempts for resolution and any other relevant facts. A request for resolution will be presented to the immediate supervisors.
2. If the dispute cannot be resolved at the immediate supervisors' level within 20 days, this step should be documented and the entire packet sent to the DEQ Water Quality Division Administrator and ISDA Animal Industries Division Administrator.
3. If the dispute cannot be resolved at the administrator level within 20 days, this step should be documented and the entire packet sent to the Deputy Directors of both agencies for resolution.

6 Alterations and Amendments

This MOU may be amended by mutual agreement of the parties. Such amendments will be documented in writing and signed by the MOU signatories, or their designees. If representatives of either agency encounter a situation where deviation from the above outlined processes and agreements is necessary and warranted, they should notify the other party as soon as possible, but no later than 10 days after the situation occurs, and begin a cooperative dialogue to reach an agreeable solution. The parties shall modify this agreement as needed to ensure proper program implementation and to maintain IPDES AFO/CAFO delegation from EPA.

7 Signature Page

John H. Tippets
Director,
Department of Environmental Quality

Date

Celia R. Gould
Director,
Idaho State Department of Agriculture

Date

This page intentionally left blank for correct double-sided printing.

Appendix G. IPDES Compliance Monitoring Strategy

This page intentionally left blank for correct double-sided printing.

Idaho Pollution Discharge Elimination System

Compliance Monitoring Strategy



**State of Idaho
Department of Environmental Quality
Water Quality Division
1410 N. Hilton
Boise, Idaho 83706**

July 2016



Printed on recycled paper, DEQ, July 2016, PID
IPGF, CA code 81236. Costs associated with this
publication are available from the State of Idaho
Department of Environmental Quality in accordance
with Section 60-202, Idaho Code.

Table of Contents

Acronyms, Abbreviations, and Symbols	v
1 Introduction.....	1
2 Background.....	2
3 IPDES Compliance Monitoring Strategy Implementation	3
3.1 Alternative CMS.....	4
3.2 Performance Measurement and Reporting	5
3.3 Oversight	5
4 IPDES Sources with National Monitoring Frequency Goals	6
4.1 Major Permittees Metrics	7
4.2 Traditional Nonmajor Permittees Metrics	8
4.2.1 No Contribution to CWA §303(d)-Listed Impairments	8
4.2.2 Discharge One or More Pollutants Relevant to an Impairment on CWA §303(d) List	9
4.3 Pretreatment Program Metrics.....	9
4.3.1 Pretreatment Audits	9
4.3.2 Pretreatment Compliance Inspections	10
4.3.3 Significant Industrial User Inspections.....	10
4.4 Sludge and Biosolids Metrics	10
4.5 Combined Sewer Systems Metrics	11
4.6 Sanitary Sewer Systems Metrics	11
4.7 Storm Water Metrics	12
4.7.1 Municipal Separate Storm Sewer Systems	12
4.7.2 Industrial Storm Water	13
4.7.3 Construction Storm Water Sites	14
4.8 Concentrated Animal Feeding Operations	14
4.8.1 Large and Medium CAFOs with IPDES Permits	15
4.8.2 Large CAFOs without IPDES Permits	15
4.8.3 Medium Animal Feeding Operations without IPDES Permits.....	15
4.8.4 Small Animal Feeding Operations.....	16
4.9 IPDES Sources with Complaint-Driven Frequency Goals.....	17
4.9.1 Pesticides	17
4.9.2 Vessels	17
5 Other IPDES Sources	17
5.1 Concentrated Aquatic Animal Production (Majors, Nonmajors, Processors).....	18
5.2 Drinking Water Treatment Facilities, Small Suction Dredge, and Ground Water Remediation	18

6 Compliance Monitoring Activity Descriptions 18

6.1 IPDES Compliance Monitoring Goals Summary..... 18

6.2 Comprehensive Inspection Types..... 19

6.3 Noncomprehensive Inspection Types..... 23

7 Alternative CMS Development 25

Alternative CMS Review 26

References..... 27

List of Tables

Table 1. Inspection frequency by permitted sector. 19

Acronyms, Abbreviations, and Symbols

AFO	animal feeding operation
API	annual plan for inspections
BMP	best management practice
CAAP	concentrated aquatic animal production
CAFO	concentrated animal feeding operation
CFR	Code of Federal Regulations
CGP	Construction General Permit
CMS	compliance monitoring strategy
CSO	combined sewer overflow
CSS	combined sewer system
CWA	Clean Water Act
DEQ	Idaho Department of Environmental Quality
DMR	discharge monitoring report
DWGP	Drinking Water General Permit
ECHO	Enforcement and Compliance History Online
EPA	US Environmental Protection Agency
ICIS	Integrated Compliance Information System
IDAPA	Idaho Administrative Procedure Act (numbering designation)
IPDES	Idaho Pollutant Discharge Elimination System
ISDA	Idaho State Department of Agriculture
ITM	Inspection Targeting Model
IU	industrial user
MGD	million gallons per day
MS4	Municipal Separate Storm Sewer System
MSGP	Municipal Storm Water General Permit
NPDES	National Pollutant Discharge Elimination System

OECA	EPA Office of Enforcement and Compliance Assurance
POTW	publicly owned treatment works
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
SIU	significant industrial user
SNC	significant noncompliance
SSS	sanitary sewer system
SWPPP	storm water pollution prevention plan
TMDL	total maximum daily load
VGP	Vessel General Permit

1 Introduction

Compliance monitoring is a fundamental component of the Idaho Pollutant Discharge Elimination System (IPDES) program. The primary goal of the IPDES compliance monitoring program is to ensure and document whether entities regulated under the IPDES and pretreatment programs are complying with the IPDES rules and statutory provisions that implement the Clean Water Act (CWA) National Pollutant Discharge Elimination System (NPDES) program.

The IPDES compliance monitoring program strives to accurately identify and document noncompliance, support the enforcement process, monitor compliance with enforcement orders, establish a presence in the regulated community, deter noncompliance, support the permitting process, and further broaden the Idaho Department of Environmental Quality (DEQ) Water Quality Division's watershed protection and restoration goals. This compliance monitoring strategy (CMS) provides the framework for meeting national recommendations and minimum frequencies for compliance monitoring activities by tailoring the national NPDES CMS (EPA 2014) for Idaho.

The IPDES CMS addresses inspections for major and traditional nonmajor permittees, pretreatment, biosolids, wet weather sources (combined sewer systems [CSSs], sanitary sewer systems [SSSs], municipal separate storm water systems [MS4s], and industrial and construction storm water), and concentrated animal feeding operations (CAFOs) and is organized into the following sections:

- Section 2—Provides a brief background of changes to US Environmental Protection Agency's (EPA's) NPDES CMS.
- Section 3—Describes CMS implementation and the collaboration between DEQ and EPA Region 10.
- Section 4—Details national goals for compliance monitoring frequency based on the type of IPDES discharger.
- Section 4.9.2—Details compliance monitoring strategies for sources with no currently established national goal.
- Section 5—Details compliance monitoring frequency goals for unique sector-specific IPDES sources.
- Section 6—Describes the different types of monitoring activities that an inspector may perform at any given facility.
- Section 6.1—Summarizes sections 4 through 5 in tabular format.

In addition, this CMS addresses compliance monitoring of pesticide operators and vessels that are regulated under the IPDES program (section 4.9). After implementing this CMS, DEQ will work with EPA to assess the need for additional tools and guidance, such as forms or checklists, and to determine what constitutes a focused inspection and an off-site desk audit.

2 Background

Regulations found at 40 CFR 123.26 outline the requirements for compliance evaluation programs for states with NPDES program authorization. This IPDES CMS addresses the following sections of 40 CFR 123.26:

(b) State programs shall have inspection and surveillance procedures to determine, independent of information supplied by regulated persons, compliance or noncompliance with applicable program requirements. The State shall implement and maintain:

(1) An automated, computerized system which is capable of identifying and tracking all facilities and activities subject to the State Director's authority and any instances of noncompliance with permit or other program requirements (e.g., identifying noncompliance with an automated, computerized program to compare permit limits to reported measurements). State programs must maintain a management information system which supports the compliance evaluation activities of this part (e.g., source inventories; compliance determinations based upon discharge monitoring reports, other submitted reports, and determinations of noncompliance made from inspection or document reviews; and subsequent violation notices, enforcement actions, orders, and penalties) and complies with 40 CFR part 3 (Cross-Media Electronic Reporting Regulation) and 40 CFR part 127 (NPDES Electronic Reporting Requirements). State programs may use EPA's national NPDES data system for their automated, computerized system;

(2) A program for periodic inspections of the facilities and activities subject to regulation. These inspections shall be conducted in a manner designed to:

i) Determine compliance or non-compliance with issued permit conditions and other permit requirements

ii) Verify the accuracy of information submitted by permittees and other regulated persons in reporting forms and other forms supplying monitoring data;

iii) Verify the accuracy of sampling, monitoring and other methods used by permittees and other regulated persons to develop that information; and

iv) Protect surface waters and public health;

(3) A program for investigating information obtained regarding violations of applicable program and permit requirements;

and

(e) State NPDES compliance evaluation programs shall have procedures and ability for:

(1) Maintaining an automated, computerized system which is capable of managing the comprehensive electronic inventory of all sources covered by NPDES permits and generating an electronic schedule of reports required to be submitted by permittees to the State agency. (Note: State programs may use EPA's national NPDES data system for their automated, computerized system.);

(2) Initial screening (i.e., pre-enforcement evaluation) of all permit or grant-related compliance information to identify violations and to establish priorities for further substantive technical evaluation;

(3) When warranted, conducting a substantive technical evaluation following the initial screening of all permit or grant-related compliance information to determine the appropriate agency response;

(4) Maintaining a management information system which supports the compliance evaluation activities of this part; and

(5) Inspecting the facilities of all major dischargers at least annually.

Analogous regulations for the pretreatment program are set forth in 40 CFR 403.10(f)(2).

Compliance monitoring programs are challenged by tightened budgets at all levels of government and the growing concern of the effects of wet weather dischargers on public health and the environment. Nationwide, implementing the 2007 NPDES CMS deterred noncompliance in the most significant environmental areas by increasing effort in NPDES program areas that impact water quality in priority watersheds and water segments.

In 2013, EPA engaged in a national dialogue on expanding compliance monitoring. As a result of that dialogue, in 2014 EPA's Office of Enforcement and Compliance Assurance (OECA) again revised the NPDES CMS to draw on important compliance monitoring activities integral to the program today and to better encompass the planning process needed to ensure consistent national implementation according to EPA goals and priorities.

The 2014 NPDES CMS provides circumstances where the IPDES program may use *focused compliance inspections* and *off-site desk audits* in addition and complementary to traditional comprehensive inspections. This change expands the flexibilities from the 2007 NPDES CMS, which did not provide for off-site desk audits or focused inspections, to count toward any of the national goals. OECA made these changes to allow agencies greater flexibility to focus and efficiently deploy their resources on their most significant environmental concerns and pollution problems through an alternative CMS plan.

The IPDES CMS reflects EPA's 2014 CMS key concepts of next generation compliance, including electronic reporting, increased transparency and technological advances, and offers additional flexibilities to DEQ in determining the most effective use of limited compliance monitoring resources. For example, implementing this policy will facilitate increased use of next generation targeting tools, such as the CWA Inspection Targeting Model, on-line compliance user interface, and EPA's Pollutant Loading Tool (available through Enforcement and Compliance History Online [ECHO]). Using the ECHO state dashboard for Idaho and e-reporting to better manage IPDES compliance monitoring activities across the state will improve program transparency.

3 IPDES Compliance Monitoring Strategy Implementation

Every year DEQ and EPA Region 10 prepare a performance partnership agreement and state inspection work plan regarding various water program commitments and potential resource leveraging. The national goals in the 2014 NPDES CMS policy, many of which have built-in flexibilities, are a starting point for negotiations. The IPDES program will use flexibilities in the national policy to tailor inspection frequency goals that target compliance monitoring resources on facilities posing the greatest threat to water quality. For example, DEQ may reduce the inspection frequency of those facilities demonstrating compliance while shifting resources to increase follow-up inspections of facilities with previously identified reoccurring or numerous noncompliance issues.

This CMS focuses DEQ inspection resources; it is not intended to allocate resources away from other IPDES program areas. DEQ will work closely with EPA Region 10 to plan compliance monitoring activities for all NPDES sources covered by this policy and to ensure an effective

inspection presence in each direct implementation program area. The process to implement the compliance monitoring goals articulated in this CMS balances coverage across IPDES programs by considering factors such as noncompliance trends, water quality considerations of the state, and state resources.

This planning process, guided by the criteria and goals articulated in this policy, provides an opportunity to identify state-specific circumstances and encourage both, inter/intra-agency dialogue on the approaches the state expects to implement. The outcome of the annual planning process will then be documented in the annual plan for inspections (API). Examples of state-specific circumstances include risks to water quality by a particular pollutant, permitted sector, and geographic area or watershed. DEQ's API provides consistent implementation of both state and national CMS goals.

The API will be updated on an annual basis including estimates and annual commitments for every applicable metric covered by the CMS policy. This CMS establishes goals for only those sources DEQ is committed to regulate (e.g., DEQ does not issue permits for dredge and fill activities). The majority of national recommended minimum inspection frequencies in the 2014 NPDES CMS are multiyear goals (e.g., inspect all traditional nonmajor facilities at least once every 5 years). This means DEQ will look across multiple years to evaluate whether the commitments for a given year indicate that the state is on track to meet the national goals. To set inspection commitments that meet the goals in this policy, the API will reflect the number of facilities to be inspected by IPDES personnel.

EPA and state compliance monitoring planning will rely on compliance data obtained from the Integrated Compliance Information System (ICIS)-NPDES; IPDES database; compliance monitoring activities in at least the most recent prior year; field reconnaissance; institutional knowledge; and citizen tips and complaints. To support water quality attainment goals, the compliance monitoring planning process will increasingly be influenced by information on water quality impairments to which facilities may be contributing (pursuant to listings under CWA §303(d)) and other relevant water quality data.

As discussed in sections 4.1 and 4.2, Idaho will use the CWA Inspection Targeting Model, and/or the Discharge Monitoring Report (DMR) Pollutant Loading Tool to preliminary screen, identify inspection targets, and develop a compliance monitoring plan. DEQ expects to actively engage with EPA in developing future CMS commitments and accounting for end-of-year reports on actual activities.

3.1 Alternative CMS

An alternative CMS is one that includes one or more compliance monitoring commitments that deviate from the national goals by incorporating flexibilities set forth in Part 2 of the 2014 NPDES CMS. As compared to the national goals, an alternative CMS could include modified frequency of comprehensive inspections, modified compliance monitoring activities (e.g., off-site desk audit), or a combination of the two. Until the IPDES program has a better understanding of the ability to meet or exceed the national goals, DEQ will adopt a traditional approach to compliance monitoring by implementing established national frequency goals;

however, an alternative CMS may be considered. The process for developing an alternative CMS is described in section 7.

3.2 Performance Measurement and Reporting

DEQ will use existing procedures to assess performance. In addition, DEQ may periodically compare state commitments to actual compliance monitoring activities recorded in ICIS-NPDES and/or end-of-year API reports. The goals of any performance assessment are to identify strengths and address weaknesses in the state's compliance monitoring programs, develop mutual commitments with EPA to achieve ongoing program improvement, increase program transparency, and promote statewide consistency.

DEQ will develop an annual end-of-year report summarizing the prior year's plan implementation, regardless of whether it was a traditional or alternative plan. The API and end-of-year reports will include appropriate data to enable DEQ to compare actual compliance monitoring activities against the annual commitments. The IPDES program will upload all actual compliance monitoring activities into ICIS-NPDES so that the end-of-year reports can be generated through standard ICIS-NPDES reports that correspond to the CMS metrics.

Several data entry activities are relevant to implementing this IPDES CMS:

1. DEQ may choose to enter annual compliance monitoring commitments into ICIS-NPDES by using the *planned inspection indicator* to tag facilities DEQ plans to inspect that year. OECA will aggregate commitment information available in ICIS-NPDES and use it on the ECHO dashboards to display state performance related to CMS commitments. Facility-specific information about a state's inspection plans will not be made publicly available.
2. State compliance monitoring activities conducted pursuant to this CMS will be reported in ICIS-NPDES (through the CDX National Environmental Information Exchange Network) according to all applicable data entry requirements, which includes any future regulations that establish data requirements and reporting time frames.
3. DEQ will update ICIS-NPDES with data about focused inspections or off-site desk audits conducted pursuant to an alternative CMS according to expectations described in this CMS.

3.3 Oversight

If a DEQ office demonstrates long-standing problems with significant aspects of their enforcement activities, the compliance inspection and enforcement supervisor may initiate direct enforcement actions to ensure a fair and level playing field. Instances that may warrant action include the following:

1. An office has exhibited a widespread and long-standing failure to identify serious violations and initiate enforcement actions with penalties sufficient to
 - a. Achieve compliance
 - b. Deter others from violating the law
 - c. Make it more expensive to violate permit conditions than to comply.

2. An office has regularly failed to take actions to protect water quality or to act in particular regulated sectors that have a significant impact on water quality (e.g., storm water construction).
3. An enforcement program review has identified significant issues that an office has not remedied within a quarterly review cycle, indicating an overall inability to maintain the integrity of the NPDES program.

The IPDES program will focus oversight resources to the most pressing performance problems. To address the performance issues listed above, the following actions will work toward demonstrably improving state programmatic performance:

- **Targeting** will identify the most serious sources of pollution and the most serious violations. Targeting will drive API development to ensure the most significant facilities are inspected and monitored. The API will be shared with EPA to ensure there is no unintended or unnecessary duplication of effort.
- **Routine and regular meetings will be held between staff to discuss progress** towards meeting the annual commitments, and how the state is performing overall in the IPDES program. At a minimum, these meetings (or conference calls) will include annual planning with a review of end-of-year results and a midyear check-in, although more frequent communications are encouraged. These meetings will include a holistic discussion of annual water quality attainment, permitting, and enforcement goals and expectations.
- **Regular reviews of state performance** may be done to ensure fair and consistent protection of human health and the environment. Results of current permit quality and enforcement reviews will be aligned and considered together to ensure that permits are protective and enforceable and that violations of permits are addressed in an appropriate manner.

These actions will allow the IPDES program to address the most serious pollution sources and violations and hold staff accountable for their performance. Shared accountability for the environment and human health implemented through these steps will result in stronger collaboration throughout the state. These short-term actions will test the direction of the program and will provide lessons to DEQ moving forward.

DEQ will also consider the following when conducting oversight activities: (1) significant changes in program structure or personnel; (2) a new regulatory structure is being implemented; (3) an office reports low violation identification or inspection coverage rates; or (4) irregular patterns in tips/complaints from citizens.

4 IPDES Sources with National Monitoring Frequency Goals

The national recommended minimum frequencies and activity types differ across the metrics to account for the differences among the various permit sectors covered by the IPDES program, including numbers of regulated entities, complexities in compliance monitoring, regulatory requirements, and the history and status of compliance. Under certain circumstances more frequent compliance monitoring is warranted. For example, sources located near sensitive areas (i.e., drinking water intakes) and/or designated high quality waters may need to be monitored

more frequently than the recommended minimum goals in the metrics described in this section. An API that is consistent with the minimum goals and flexibilities in each of the following metrics is considered a *traditional plan*, not an *alternative plan*.

All compliance monitoring and evaluation activities will be undertaken in a manner that leads to timely, appropriate, and effective follow-up response to an identified noncompliance (e.g., informal response or formal enforcement action consistent with the IPDES Enforcement Response Guide (DEQ 2016a). On-site inspections will be conducted by an authorized inspector. Inspectors conducting evaluations will comply with DEQ's inspection policies and processes. Inspectors conducting inspections for DEQ will receive DEQ-led training before being authorized by DEQ.

The following sections describe the monitoring frequency and type for each metric. Section 6 provides a guide to the acceptable ICIS-NPDES compliance monitoring types and their corresponding codes, which will be used for to enter data for activities conducted pursuant to the national recommended frequency goals described below.

4.1 Major Permittees Metrics

Major NPDES permits cover discharges from publicly owned treatment works (POTW) facilities with designed discharge flows of greater than 1 million gallons per day (MGD), or facilities that serve a population of 10,000 or more or cause significant water quality impacts. NPDES permits covering active major industrial facilities scoring more than 80 for the six factors on the IPDES Permit Rating Work Sheet (DEQ 2016b) are also considered major permittees.

According to the 2014 NPDES CMS, OECA's goal for state inspection of major permittees is a minimum frequency of at least one comprehensive inspection every 2 years. Inspections of major POTWs may be conducted with inspections of SSSs and their satellites, and CSSs that are connected to the POTW. Currently, information on the percentage of Idaho major permittees that have received a comprehensive inspection within the most recent two completed federal fiscal years is publicly displayed on the ECHO state performance dashboards at <https://echo.epa.gov/trends/comparative-maps-dashboards/state-water-dashboard?view=activity&state=ID>.

The national policy includes an alternative approach for inspecting major NPDES permittees; DEQ will implement this approach using the CWA Inspection Targeting Model (ITM). ITM is used to distinguish between facilities that have strong records of compliance and those who have records indicating compliance problems, particularly effluent violations for pollutants that may be contributing to water quality impairments reflected in CWA §303(d) listings. Under this available alternative, DEQ may use ITM, or a comparable targeting methodology, to adjust the inspection frequency to one comprehensive inspection every 3 years for NPDES major facilities that are in compliance, not subject to any credible citizen tips or complaints, and are not contributing to CWA §303(d)-impaired waters listings based on the most current data available when developing the API. DEQ will implement this flexible approach according to future guidance about how to use the ITM and/or revisions to the ITM methodology. Facilities that do not meet these criteria will remain subject to a minimum comprehensive inspection frequency of

once every 2 years. An API that uses this approach for decreasing inspection frequency of some major permittees is still considered part of a traditional CMS.

4.2 Traditional Nonmajor Permittees Metrics

Traditional nonmajor NPDES permits cover POTW facilities with designed discharge flows of less than 1 MGD and serving populations of less than 10,000 persons or active nonmajor industrial facilities (i.e., facilities scoring less than 80 for the six factors on the IPDES Permit Rating Work Sheet) that have not been designated as a discretionary major permittee by DEQ. This metric does not include concentrated aquatic animal production (section 5.1). The minimum inspection frequency goals recommended in section 4.2.1 and section 4.2.2 are intended to apply to traditional nonmajor facilities covered by both individual and general permits.

Compliance monitoring goals for nonmajor facilities in the wet weather program areas are articulated under separate metrics in this CMS.

OECA's minimum compliance monitoring goals for each traditional nonmajor facility are once in every 5 years. The type of inspection conducted during that time may vary depending on factors listed in the following sections. Inspections of traditional nonmajor POTWs may be conducted with inspections of SSSs (and their satellites) and CSSs that are connected to the POTW facilities. The screening process for selecting nonmajor facilities to be inspected should be attentive to facilities that do not appear, based on available data, to have been inspected in more than 5 years or that have histories of noncompliance; are the subject of citizen tips or complaints; and/or may be contributing to violations of water quality standards.

DEQ may use the ITM sorting tool for preliminary screening and to identify inspection targets for traditional nonmajor facilities under this metric. The sorting tool does not use weightings due to concerns about the current completeness of data for traditional nonmajor facilities and how that might affect the results obtained from a weighted model. DEQ may analyze the data in a spreadsheet and include additional state data (beyond what is available in ICIS-NPDES) that would increase the rigor of the analysis. The sorting tool allows DEQ to sort facilities based on factors that include water quality impairments; associated pollutants that may be discharged by the permittee; significant noncompliance (SNC) within the most recent 2 years; unresolved single-event violations; days since last comprehensive inspection; days since last inspection (all types); and current enforcement actions. DEQ may also elect to use the DMR Pollutant Loading Tool (<http://cfpub.epa.gov/dmr/>) to look at pollutant loadings that exceed permit limits to focus on the biggest polluters.

4.2.1 No Contribution to CWA §303(d)-Listed Impairments

The minimum inspection frequency goal is to inspect each traditional nonmajor facility that is not contributing to CWA §303(d) impairments at least once every 5 years. In addition to the comprehensive inspection types¹, the following inspection types will count toward this metric: focused, reconnaissance, enforcement follow-up, oversight, and sludge/biosolids. These noncomprehensive inspections will be counted under this metric because these facilities are not discharging pollutants that contribute to listed impairments.

4.2.2 Discharge One or More Pollutants Relevant to an Impairment on CWA §303(d) List

Traditional nonmajor facilities permitted to discharge pollutants of concern corresponding to the CWA §303(d)-listing parameter should undergo a comprehensive inspection at least once every 5 years. Of the traditional nonmajor permittees that discharge to CWA §303(d)-listed waters, OECA expects that due to the nature of their discharges, some are not contributing to the water quality conditions that have resulted in the listed impairment. Such facilities on impaired waters that are not contributing to the impairment may be inspected with a less comprehensive inspection (e.g., a reconnaissance inspection) under the metric in section 4.2.1.

During the annual planning process, DEQ will determine which traditional nonmajor facilities to comprehensively inspect by carefully reviewing available information on the permittees, such as noncompliance information and complete and current ambient monitoring information for the receiving waters to which the permittees discharge. Where information indicates patterns of noncompliance or uncertainty about the status of receiving waters, strong consideration will be given to using a comprehensive inspection. To ensure a minimum level playing field, DEQ will conduct a comprehensive inspection of at least 5% of all traditional nonmajor facilities each year even if more facilities qualify for noncomprehensive inspection under the metric in section 4.2.1.

4.3 Pretreatment Program Metrics

Routine compliance monitoring activities for the pretreatment program include audits and inspections of POTWs with approved pretreatment programs; review of all POTW pretreatment program annual reports; inspections of industrial users (IUs); and oversight of state pretreatment programs that are implemented pursuant to 40 CFR 403.10(e) (i.e., where DEQ functions as the control authority in lieu of approved local pretreatment programs). In addition to the specific pretreatment program compliance monitoring activities outlined under the metrics below, DEQ (as the approval authority responsible for approving local pretreatment programs) will track the POTW annual reports submitted pursuant to 40 CFR 403.12(i) and review 100% of all submissions to determine if the POTW is properly implementing its approved pretreatment program, including, as appropriate, oversight and enforcement of significant industrial users (SIUs). Inspections of nonsignificant IUs will generally be dictated by problem facilities or those issued a consent order by DEQ or the control authority. Inspections of IUs suspected of or documented to have compliance problems may be incorporated into a pretreatment compliance inspection or pretreatment audit.

4.3.1 Pretreatment Audits

As a pretreatment approval authority, DEQ will conduct at least one audit every 5 years of each POTW with an approved pretreatment program, generally corresponding to an annual audit rate of 20% of active approved programs. DEQ will audit two or three programs annually.

A pretreatment audit includes an oversight review of at least two IUs discharging to the POTW. DEQ will select the appropriate IUs for oversight reviews based on the *Guidance for Conducting a Pretreatment Compliance Inspection* (EPA 1991). IU oversight reviews are included as part of a pretreatment audit so the auditor can (1) verify that the IU permit/control mechanism correctly

reflects the physical and operational conditions of the facility; (2) validate whether the POTW has correctly evaluated compliance (including appropriate sampling methods); and (3) assess the POTW's IU inspection procedures.

When conducting audits of POTWs with approved pretreatment programs, DEQ will ensure that the POTW is following its enforcement response plan when the POTW identifies IU noncompliance.

4.3.2 Pretreatment Compliance Inspections

As a pretreatment approval authority, DEQ will conduct at least two pretreatment compliance inspections of each POTW with an active approved pretreatment program every 5 years. These inspections are in addition to the audit that will be conducted every 5 years, as described under the metric in section 4.3.1.

When inspecting POTWs with approved pretreatment programs, DEQ will ensure that the POTW is following its enforcement response plan when the POTW identifies IU noncompliance. Pretreatment compliance inspections will be conducted according to the *Guidance for Conducting a Pretreatment Compliance Inspection* (EPA 1991).

4.3.3 Significant Industrial User Inspections

For SIUs discharging to POTWs without approved pretreatment programs, DEQ will act as the control authority and track and review SIU semiannual reports submitted pursuant to 40 CFR 403.12(e) and (h).

General pretreatment regulations require approved POTWs and states that implement the POTW pretreatment program (40 CFR 403.10(e)) to “inspect and sample the effluent from each significant industrial user at least once a year” (40 CFR 403.8(f)(2)). *As required by the regulations for industrial pretreatment programs, 100% of SIUs permitted by approved POTWs or DEQ must be inspected and sampled annually.* The approved POTW or DEQ may conduct additional inspections as necessary, for example, when required semiannual self-monitoring reports from SIUs show noncompliance, or based on reconnaissance, or tips or complaints received by DEQ, EPA, or approved POTW.

Per IDAPA 58.01.25.003.02.x, the annual inspection and sampling requirement may be reduced to once every 2 years for SIUs designated with a reduced monitoring and inspection frequency according to provisions under 40 CFR 403.12(e)(3) and 40 CFR 403.8(f)(2)(v)(c). Given the regulatory requirement for annual sampling inspections of all SIUs, the state's alternative CMS cannot include an off-site desk audit in lieu of an annual SIU sampling inspection.

4.4 Sludge and Biosolids Metrics

A sewage sludge/biosolids inspection assesses facilities engaged in a regulated sludge or biosolids activity and evaluates compliance with applicable regulatory provisions, including sludge monitoring, recordkeeping and reporting, treatment operations, sampling and laboratory quality assurance, and use or disposal practices. Sludge/biosolids inspections may be conducted

with compliance inspections at major and nonmajor POTWs. Inspections may also be conducted to respond to citizen tips or complaints.

The recommended inspection frequency goal is at least one sludge/biosolids inspection of each major POTW every 5 years. Biosolids use and disposal operations, including incineration and surface application, should receive at least one sludge/biosolids inspection every 5 years.

However, DEQ may substitute an off-site desk audit for sludge/biosolids generation, use, and disposal sites that meet the following criteria:

1. Are not currently subject to enforcement actions or compliance schedules that are the result of concluded enforcement actions.
2. Have not been reported in SNC within the previous four quarters.
3. Have no unresolved single-event violation identified in prior inspections.
4. Do not discharge to CWA §303(d)-listed waters for pollutants contributing to the listing.
5. Have no known potential to impact drinking water supplies.

A CMS that uses this approach for conducting off-site desk audits in lieu of sludge/biosolids inspections is still considered a *traditional CMS*.

4.5 Combined Sewer Systems Metrics

CSS inspections are conducted to comprehensively evaluate compliance with the CWA and combined sewer overflow (CSO) control policy (<http://www.epa.gov/npdes/pubs/owm0111.pdf>) requirements as written in the NPDES permit, an order, or another enforceable document. The inspector will verify whether the permittee is preventing CSOs during dry weather; implementing the nine minimum controls; adhering to a schedule for developing, submitting, and implementing a long-term CSO control plan; eliminating or relocating overflows to sensitive areas; adhering to effluent limitations; and implementing a post construction compliance monitoring program.

As of July 2016, no known CSO communities need to develop and implement a long-term CSO control plan. The national minimum inspection frequency goal for all major and nonmajor CSSs is conducting at least one comprehensive inspection every 5 years. If a CSS is identified, then CSO inspections will be conducted with compliance inspections at major and nonmajor POTWs. More frequent inspections, including CSO inspections, may be conducted to promptly evaluate known or suspected recurring sewer overflows. An inspector conducts a CSO inspection in response to information received about a known or suspected CSO event to evaluate compliance with CSO provisions present in the IPDES permit, an enforcement order, a consent decree, or another enforceable document. A CSO inspection will be scheduled based on information about sewer overflow occurrences received directly by DEQ or EPA, or from other governmental organizations, citizens groups, or nongovernmental organizations.

4.6 Sanitary Sewer Systems Metrics

Inspections of sanitary sewer collection systems comprehensively evaluate compliance with IPDES permit terms and conditions for system design, operation, and maintenance; permit reporting requirements; an enforcement order; or another enforceable document. The inspector collects information to verify that the permittee is complying with the IPDES permit conditions

(duty to mitigate and proper operation and maintenance) and the required notification procedures. The inspector also determines whether there have been any unpermitted discharges, or discharges from a location other than the discharge point specified in the permit, to waters of the United States. When preparing to inspect an SSS, the inspector may consult OECA's *Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems* (EPA 2005) and may consult with the regional office engineering manager for the latest approved plans and specifications of the sanitary sewer collection system.

The minimum inspection coverage goal for SSSs is to conduct comprehensive inspections of at least 5% of SSSs each year. Facilities subject to this coverage goal is the number of POTW permits in the state that include one or more sanitary sewer collection systems. Where a permit covers satellite collection systems, to allow the inspector to evaluate overall collection system compliance, the SSS inspection will review satellite systems that together comprise a substantial percentage of the total flow to the treatment plant. Inspection priority will be given to SSSs with chronic sewer overflows and/or pump station backups.

More frequent inspections, including SSO inspections, may be necessary for some systems to promptly evaluate known or suspected recurring sewer overflows. An inspector conducts an SSO inspection in response to information received about a known or suspected sewer overflow event. In many cases, SSO inspections will be scheduled based on information about sewer overflow occurrences received directly by DEQ or EPA, or from other governmental organizations, citizens groups, or nongovernmental organizations. SSO inspections, as well as broader inspections of SSSs and their satellites, may be conducted with compliance inspections at major and nonmajor POTWs.

4.7 Storm Water Metrics

4.7.1 Municipal Separate Storm Sewer Systems

A strong need exists for DEQ to assess the quality of MS4 storm water management programs. On-site MS4 audits (evaluating all aspects of the MS4 storm water management program), on-site inspections, and off-site desk audits are valuable tools for evaluating whether the MS4s comply with permit requirements. All MS4 compliance monitoring programs will include a review of the storm water management plan elements to provide a representative picture of overall MS4 performance.

DEQ's minimum compliance monitoring goal for MS4s is to determine compliance of each MS4 permittee and co-permittee at least once every 5 years by conducting one or more of the following compliance monitoring activities: on-site audit, MS4 inspection, or off-site desk audit. Off-site desk audits should not be conducted for any MS4 permittee that has not previously been subject to an on-site inspection or audit that has documented a compliance baseline for the MS4. *As part of this goal, each MS4 permittee and co-permittee should receive an on-site audit or inspection at least once every 7 years.* DEQ has the flexibility to extend the 7-year goal for on-site inspections/audits to every 10 years for a co-permittee that contributes a minimal volume of the total flow to the MS4. More frequent on-site audits, inspections, or off-site desk audits may be necessary for certain MS4s based on noncompliance (including noncompliance at underlying

construction sites and industrial storm water facilities), failure to implement a storm water management plan, citizen tips or complaints, referrals from other governmental organizations, and follow-up on activities mandated by an enforcement order.

This goal provides DEQ with the flexibility to determine the most appropriate approach to assess compliance within MS4s without developing an alternative CMS pursuant to section 7 of this policy. Priority should be given to auditing or inspecting MS4s located in priority watersheds that contribute to CWA §303(d) listings and those located near waters that the state has designated for higher levels of protection. Furthermore, the scope of any inspection will be determined based on the highest priority minimum measures for that MS4, as determined by a review of the MS4's compliance history, water quality concerns, permit revisions, noncompliance at construction sites and industrial facilities within its jurisdiction, and other local factors.

Monitoring activities on the construction oversight programs of MS4s should be closely coordinated with monitoring activities at individual construction sites (section 4.7.3). Likewise, monitoring activities on industrial oversight elements of Phase I MS4s, and where they exist as part of Phase II MS4s (e.g., illicit discharge detection and elimination programs), should be closely coordinated with monitoring activities at individual industrial storm water dischargers (section 4.7.2).

Idaho currently has one Phase I MS4 permit. EPA cautions that many Phase I MS4s may technically qualify as *major permittees* per the IPDES Permit Rating Sheet. The inspection frequency goal for major permittees under the metric in section 4.1 does not apply to Phase I MS4s.

4.7.2 Industrial Storm Water

Industrial storm water inspections ensure that regulated facilities have an IPDES permit for storm water discharge and a storm water pollution prevention plan (SWPPP). These inspections also ensure the facility complies with the permit and is implementing the SWPPP so that technology and water quality based requirements are met. During the inspection, the inspector reviews the permit and SWPPP; reviews self-inspection reports and other records to verify that the facility is complying with its permit and is implementing the SWPPP; and walks the site to verify that the SWPPP is accurate and best management practices (BMPs) are in place and functioning properly.

The inspection goal for industrial storm water permittees is to inspect at least 10% of the facilities each year. DEQ will also conduct compliance monitoring activities to locate industrial facilities that have failed to obtain permit coverage or file a *no exposure certification* under 40 CFR 122.26(g). Inspections of unpermitted industrial storm water facilities, including those with no exposure certification, will count toward the annual industrial storm water coverage goal of 10%.

Priority will be given to inspecting permittees of environmental concern and those located in priority watersheds that may discharge a pollutant that contributes to CWA §303(d) listings, and permittees located near high quality waters that the state has designated for higher levels of protection to prevent degradation.

To conserve resources, DEQ will consider conducting a facility's industrial storm water inspection with the IPDES compliance inspection for permitted major and nonmajor industrial facilities. Consideration will also be given to coordinating industrial storm water inspections with oversight of MS4 industrial storm water programs in the Phase I MS4 community and where such elements exist as part of Phase II MS4s.

4.7.3 Construction Storm Water Sites

Storm water inspections ensure that regulated facilities have an IPDES permit for storm water discharge, a SWPPP, and are following the specifications in each. During the inspection, the inspector reviews the permit and SWPPP and determines whether the SWPPP meets the requirements set forth in the permit. The inspector also reviews records, such as self-inspection reports, to verify that the facility is complying with its permit and SWPPP and walks the site to verify that the SWPPP is accurate and BMPs are in place and functioning properly.

This compliance monitoring metric applies to construction storm water sites of equal to or greater than 1 acre of disturbed area (i.e., all regulated Phase I and Phase II construction sites). *The minimum recommended inspection frequency for this metric is to inspect at least 10% of the regulated construction sites annually.* To determine the applicable sites at the inspection planning stage, the 10% goal will be applied to the estimated number of active regulated construction sites in the state in the coming year. As part of this goal, DEQ will follow up on tips and complaints about potentially unpermitted construction sites. Inspections of unpermitted construction sites and sites with a low erosivity waiver will count toward the annual construction storm water coverage goal of 10%.

Priority will be given to sites located near CWA §303(d)-listed waters that are impaired for construction-associated pollutants (e.g., sediment), and at larger, long-term sites located near high quality waters that the state has designated for higher levels of protection to prevent degradation.

For estimating joint EPA and state progress relative to the joint annual goal, DEQ will include in the API annual report the total number of IPDES construction storm water inspections that have been conducted by the state during that reporting year.

4.8 Concentrated Animal Feeding Operations

CAFO inspections are conducted to verify that CAFOs are not illegally discharging to waters of the United States and that permitted CAFOs are complying with their IPDES permits. DEQ and the Idaho State Department of Agriculture (ISDA) will work together when evaluating CAFOs and permit- or complaint-based inspections will be conducted by ISDA. As the primary agency working with CAFOs throughout the state, ISDA routinely conducts inspections every year of all CAFOs to ensure compliance with state law. DEQ will use ISDA's experience and history of working with the agricultural industry when evaluating the potential for a CAFO to discharge to waters of the United States.

4.8.1 Large and Medium CAFOs with IPDES Permits

EPA recommends that the state conduct a comprehensive inspection of IPDES-permitted CAFOs at least once every 5 years to evaluate compliance with the permit, including terms of the nutrient management plan, reporting and recordkeeping. Currently, Idaho does not have any IPDES-permitted CAFO facilities. If CAFO facilities become permitted and receive complaints or experience problems with wastewater, then more frequent inspections may be appropriate for CAFOs that meet the following conditions:

- Exceptionally large livestock and poultry operation.
- History of noncompliance.
- Significant site-specific environmental concerns, including operations located on an impaired water body and subject to total maximum daily load (TMDL) wasteload allocations.
- Permit includes a voluntary alternative performance standard pursuant to the CAFO Effluent Limitations Guideline in 40 CFR 412.
- State requirements apply to specific areas of the operation (e.g., ISDA sanitary inspections of dairy farms).

4.8.2 Large CAFOs without IPDES Permits

All large CAFOs not covered by an IPDES permit will be inspected annually by ISDA. In addition to the areas that ISDA inspects, this inspection will evaluate the potential for a facility to discharge to waters of the United States, and ISDA will share this information with DEQ. The ISDA inspector will document the following:

1. Pollutants are discharged to a water of the United States through a manmade ditch, flushing system, or other similar manmade device, or
2. Pollutants are discharged directly into water of the United States that passes over, across, or through the facility, or otherwise comes into direct contact with the animals confined in the operation.

Inspections of unpermitted CAFOs will evaluate practices associated with the land application of manure, litter, and process wastewater to determine if all land application discharges may be classified as exempt agricultural storm water. DEQ will meet regularly with ISDA inspectors or their representative to determine which facilities have cause for concern regarding compliance with the CAFO general permit.

4.8.3 Medium Animal Feeding Operations without IPDES Permits

Working with ISDA, DEQ will initially assess all medium-sized animal feeding operations (AFOs) to determine whether the facility is a medium CAFO and whether the facility discharges to waters of the United States. Assessments will evaluate whether the facility meets the definition of a medium CAFO due to the number of animals confined and one of the two criteria:

1. Pollutants are discharged to a water of the United States through a manmade ditch, flushing system, or other similar manmade device.
2. Pollutants are discharged directly into water of the United States that passes over, across, or through the facility or otherwise comes into direct contact with the animals confined in the operation.

Priority for on-site assessments will be based on priority watersheds, nutrient impairments, complaints, or other information. The state may make a determination about certain facilities, such as those that are not near a water of the United States, by discussing the facility with the ISDA inspector. An assessment of a medium AFO will likely involve a discussion with the ISDA inspector and a review of maps, aerial images, and any agency or public records about the operation.

After the initial assessment, if the facility is not a medium CAFO, the state will coordinate with ISDA on follow up on-site inspections as needed based on available information, such as citizen tips or complaints, and designate the AFO as a CAFO if the facility is a significant contributor of pollutants to a water of the United States. If the facility is a medium CAFO with a discharge to waters of the United States, then an IPDES permit is required, and the inspector will coordinate with the IPDES permit writer and inspect the CAFO according to section 4.8.1 of this policy.

4.8.4 Small Animal Feeding Operations

DEQ will coordinate with ISDA and may conduct an on-site inspection of small AFOs as needed based on a citizen tip or complaint or other information to determine whether the AFO should be designated as a CAFO. In Idaho, CAFO designations regulated under the IPDES program may be made by the DEQ director. DEQ intends to make CAFO determinations in consultation with ISDA. The EPA Region 10 administrator (regional administrator) may also designate CAFOs in authorized states but only when the regional administrator has determined that one or more pollutants in the AFO's discharge contributes to an impairment in a downstream or adjacent state, or to Indian reservation water that is impaired for that pollutant.

DEQ may designate an AFO as a CAFO upon determining that it is a significant contributor of pollutants to waters of the United States. DEQ will consider the following factors in making a designation:

1. Size of the AFO and amount of waste reaching waters of the United States.
2. Location of the AFO relative to waters of the United States.
3. Means of conveying animal wastes and process wastewaters into waters of the United States.
4. Slope, vegetation, rainfall, and other factors affecting the likelihood or frequency of discharge of animal waste manure and process wastewaters into waters of the United States.

No designation by either DEQ's director or EPA regional administrator may be made unless pollutants are discharged into a water of the United States due to either (1) a manmade ditch, flushing system, or other similar manmade device, or (2) a water of the United States that passes over, across or through the facility, or otherwise comes into direct contact with animals confined at the operation.¹

¹ 40 CFR 122.23(c)(3)

4.9 IPDES Sources with Complaint-Driven Frequency Goals

4.9.1 Pesticides

As a result of a US Sixth Circuit Court of Appeals decision in *National Cotton Council, et al. v. EPA*, as of October 31, 2011, point source discharges of biological pesticides and chemical pesticides that leave a residue, into waters of the United States are required to comply with NPDES requirements. The EPA finalized a rule on June 21, 2013, to remove the exemption for pesticide discharges from the NPDES regulations. EPA and the states currently regulate pesticide discharges to waters of the United States primarily through the Federal Insecticide, Fungicide, and Rodenticide Act and NPDES general permits.

There is no set national compliance monitoring frequency goal for pesticide operators subject to the IPDES program. DEQ will conduct compliance monitoring activities in response to tips and complaints and other available information relevant to compliance.

4.9.2 Vessels

EPA currently regulates discharges incidental to the normal operation of commercial vessels greater than 79 feet in length and operating as a means of transportation primarily through the Vessel General Permit (VGP). The first VGP was issued in 2008 and was effective until December 19, 2013. On March 28, 2013, EPA reissued the VGP for another 5 years. A brief overview of the 2013 VGP is available at http://www.epa.gov/npdes/pubs/vgp_overview2013.pdf.

Recreational vessels as defined in CWA §502(25) are not subject to the 2013 VGP. Likewise, except for ballast water discharges, NPDES permits are not required for any discharges incidental to normal operation of commercial fishing vessels and other nonrecreational vessels less than 79 feet. However, Congress extended the moratorium from the requirement to obtain permit coverage for incidental discharges from these vessels, which expires December 18, 2017. Anticipating the end of the moratorium, EPA published a draft small VSP in 2013 to provide for permit coverage for these incidental discharges and finalized the permit during 2014 (<https://www.epa.gov/npdes/vessels-incident-discharge-permitting-4>).

There is no set compliance monitoring frequency goal for vessels subject to the NPDES program. DEQ will conduct compliance monitoring activities in response to tips and complaints and other available information relevant to compliance.

5 Other IPDES Sources

EPA's national policy regarding compliance monitoring does not specifically address concentrated aquatic animal production, drinking water treatment facilities, small suction dredge activities, or ground water remediation. Instead it classifies these various sectors as either major or nonmajor permitted activities. In the interest of providing clarity regarding the monitoring frequency goals for DEQ, this section of the IPDES CMS addresses these specific sectors with frequency goals consistent with the national policy.

5.1 Concentrated Aquatic Animal Production (Majors, Nonmajors, Processors)

DEQ will conduct compliance monitoring activities in response to tips and complaints and other available information relevant to compliance. *DEQ's goal is to conduct a comprehensive inspection of those facilities classified as majors once every 2 years and all other regulated entities once every 5 years.*

5.2 Drinking Water Treatment Facilities, Small Suction Dredge, and Ground Water Remediation

DEQ will conduct compliance monitoring activities in response to tips and complaints and other available information relevant to compliance. *DEQ's goal is to inspect at least 5% of this group of regulated entities annually.*

6 Compliance Monitoring Activity Descriptions

Detailed descriptions of each monitoring activity performed by IPDES compliance personnel are provided in this section. Compliance personnel will choose the type of compliance monitoring activity to conduct based on the compliance status and history of the facility, the information needed from the facility, the type of facility involved, and data about the quality of receiving waters. The type of inspection selected will determine the activities conducted on site, and the additional information the inspector will gather or verify during the inspection.

Where feasible, compliance personnel will perform background and record reviews before going on site to streamline on-site activities and use resources more efficiently. Some types of IPDES inspections may encompass several elements from multiple inspection types (e.g., a storm water inspection may encompass elements from both a compliance sampling inspection and a performance audit inspection). DEQ will use the results of these activities to develop subsequent permits, provide compliance assistance, and where appropriate, provide evidence for enforcement proceedings.

Quality assurance and quality control (QA/QC) policies for all inspections that include sampling will be in place to ensure that DEQ's field tests and collection and transport of samples to an analytical laboratory are conducted according to DEQ's *Quality Management Plan* (DEQ 2012) and site-specific quality assurance project plans (QAPPs). Compliance with QAPP requirements will be coordinated through DEQ's QA officer. Sample integrity will be protected by properly using of chain-of-custody procedures.

6.1 IPDES Compliance Monitoring Goals Summary

Table 1 provides a summary of IPDES compliance monitoring goals and serves as a reference tool for developing an API. All of the information in the table corresponds to the goals and flexibilities outlined in sections 3 and 4 of this CMS. For an alternative CMS, Table 1 is the starting point and can be tailored for any metrics of an alternative plan where the compliance monitoring commitments deviate from the national CMS goals.

Table 1. Inspection frequency by permitted sector.

IPDES Permit Type	Comprehensive Inspection Frequency by Year or Percentage	Number of Facilities in Idaho	Total Facilities to be Inspected in a Given Year
Major	1 inspection every 2 years	29 POTW 8 industrial	19
Nonmajor	At least 1 inspection every 5 years and 5% per year	80 POTW/TWTDS 22 industrial	25
Pretreatment	2 inspections every 5 years	12	5
Sewage sludge/biosolids	1 inspection every 5 years for permitted facility	118	24
CSS/SSS	5% of permittees inspected when treatment works is inspected	109	6
MS4	1 or more compliance monitoring activity every 5 years	30	Approximately 6
Industrial storm water	10% per year	Approximately 275 ^a	Approximately 28
No exposure	10% per year	Approximately 200	Approximately 20
Construction storm water	10% per year	Approximately 640 ^b	Approximately 64
Low erosivity waiver	10% per year	Approximately 120	Approximately 12
Large/medium CAFO	1 inspection every 5 years for permitted facility	0	—
Medium/small CAFO	As needed based on a citizen tip or complaint	0	—
Pesticide	Complaint driven	130	Unknown
Vessel	Complaint driven	6 (varies annually)	Unknown
CAAP	1 inspection every 2 years for major (including processors)	18 major	9 major
	1 inspection every 5 years for nonmajor	81 nonmajor	17 nonmajor
DWGP	5% of permittees	7	2
Small suction dredge	5% of permittees	162 (varies annually)	8
Ground water remediation	5% of permittees	6	1
Total Annual Inspections			Approximately 246

a. Estimates are based on conversations between T. Smith of DEQ and K. Burgess of EPA, February 2016
 b. Estimate was extrapolated from information provided by EPA, February 2016 and based on average annual (2013-2015) active construction storm water permitted activities.
 Notes: publicly owned treatment work (POTW); combined sewer system (CSS); sanitary sewer system (SSS); Municipal Storm water General Permit (MSGP); municipal separate sewer systems (MS4s); Construction General Permit (CGP); concentrated animal feeding operation (CAFO); concentrated aquatic animal production (CAAP); Drinking Water General Permit (DWGP)

6.2 Comprehensive Inspection Types

Compliance Biomonitoring Inspection—The on-site inspection of an IPDES direct discharger includes the same objectives and tasks as a compliance sampling inspection. A compliance biomonitoring inspection reviews a permittee's toxicity bioassay techniques and records

maintenance to evaluate compliance with the biomonitoring terms of the IPDES permit and to determine whether the permittee's effluent is toxic. During this inspection, the inspector collects effluent samples to conduct acute and chronic toxicity testing that evaluates the biological effect of a permittee's effluent discharges on test organisms. The state will have the ability to conduct biomonitoring inspections or have an equivalent program in place to independently verify a discharger's compliance with whole effluent toxicity permit requirements.

Compliance Evaluation Inspection—The compliance evaluation inspection is an on-site nonsampling inspection of an IPDES direct discharger that verifies permittee compliance with applicable permit self-monitoring requirements, effluent limits, and compliance schedules. Before initiating the on-site inspection, the inspector will review past and ongoing noncompliance from the permittee's reporting or from a previous inspection. Inspectors will interview the operator, review records, make visual observations, and evaluate treatment facilities (including operations, processes, and equipment), laboratories, effluents (content and appearance), outfall location, and upstream/downstream receiving waters. Inspectors will identify potential single-event violations and document findings on standard forms with supporting photographic and video records. During this inspection, the inspector will examine both chemical and biological self-monitoring, which forms the basis for all other inspection types except the reconnaissance inspection.

Compliance Sampling Inspection—The compliance sampling inspection of an IPDES direct discharger includes the same objectives and tasks as a compliance evaluation inspection. In addition, inspectors must collect representative wastewater effluent samples or ambient water or sediment samples that might also include collecting *split samples* with the operator to compare sample results and document a permittee's laboratory techniques. Inspectors then review the permittee's sampling and laboratory procedures; verify the accuracy of reports through chemical and bacteriological analysis and the permittee's self-monitoring program, including operator certifications; evaluate compliance with discharge limitations; determine the quantity and quality of effluents; and provide evidence for enforcement proceedings where appropriate.

Concentrated Animal Feeding Operation Inspection—The objective of this inspection is to evaluate a CAFO's compliance with permit requirements, permit conditions, applicable regulations, and other requirements. To evaluate compliance with IPDES program requirements and regulations, an ISDA inspector conducting a CAFO inspection will review facility documents and records, such as the facility's permit, nutrient management plan, animal inventory, and all associated records. The on-site inspection also includes assessing the facility's structural integrity, maintenance condition, and storage availability. For CAFOs that land-apply manure, litter, or process wastewater, the CAFO inspection will include review of in-field and edge-of-field conservation practices, land application protocols, and all other factors relevant to determining whether the CAFO has nonagricultural storm water discharges from land application areas. Where appropriate, CAFO inspections may include sampling of manure, litter, wastewater and/or soil. A CAFO inspection may also require collecting information necessary to establish whether the receiving water of any CAFO discharge is a water of the United States.

Municipal Separate Storm Sewer System Audit—An MS4 audit evaluates overall MS4 storm water management program implementation and identifies problems the local government may have in implementing the program. MS4 audits involve an on-site visit and comprehensive

review of the local government's MS4 storm water management program elements including, where applicable:

1. Structural and source control measures
2. Detection and removal of illicit discharges and improper disposal into storm sewers
3. monitoring and controlling pollutants in storm water discharges
4. Implementing and maintaining structural and nonstructural BMPs
5. Implementation schedules and assignment of appropriate individuals
6. Inspection and enforcement program for covered industrial facilities and construction sites
7. Dry weather screening program

The auditor will determine whether controls are in place and in good working order, and whether facilities have schedules for constructing structural control measures. When preparing for an MS4 audit or inspection, the evaluator will consider the *MS4 Program Evaluation Guidance* (EPA 2007).

Municipal Separate Storm Sewer System (MS4) Inspection—An MS4 inspection is an on-site inspection that involves reviewing some, but not all, elements of the MS4 storm water management program to evaluate whether the MS4 is implementing an adequate program in the selected program elements. The program elements will be selected by DEQ after reviewing the MS4 permit and other relevant information. See the MS4 audit definition for program elements.

Performance Audit Inspection—The inspector conducts an on-site performance audit inspection of an IPDES direct discharger to evaluate the permittee's self-monitoring program. As with a compliance evaluation inspection, the performance audit inspection verifies the permittee's reported data and compliance through a records check. The performance audit inspection provides a more resource-intensive review of the permittee's self-monitoring program including the QAPP. This inspection evaluates the permittee's procedures for sample collection, flow measurement, chain-of-custody procedures, laboratory analyses, data compilation, reporting, and other areas related to the self-monitoring program.

In a compliance evaluation inspection, the inspector makes a cursory visual observation of the treatment facility, laboratory, effluents, and receiving waters. In a performance audit inspection, the inspector observes the permittee performing the self-monitoring process from sample collection and flow measurement through laboratory analyses, data workup, and reporting. The performance audit inspection does not include sample collection by the inspector; however, the inspector may require the permittee to analyze performance samples for laboratory evaluation purposes.

Pretreatment Audit—A pretreatment audit involves an on-site visit and a comprehensive evaluation of all aspects of the local POTW control authority's program. The primary goals of the audit are to assess the local program's compliance with the regulatory requirements under the IPDES direct discharge permit, note areas of the control authority's program that need to be modified to bring the program into compliance with the regulations, and to identify circumstances that might warrant enforcement actions against the control authority. In the course of conducting a pretreatment audit, DEQ will ensure that the POTW is following its enforcement response plan when the POTW identifies IU noncompliance. Ultimately, the pretreatment audit will help DEQ identify areas for improvement and make recommendations to increase the

effectiveness of the control authority's program. A pretreatment audit includes oversight reviews of at least two IUs that discharge to the POTW and may include sampling.

The pretreatment audit is further defined and discussed in the *Control Authority Pretreatment Audit Checklist and Instructions* (EPA 2010), which includes sections for evaluating environmental indicators and investigating the control authority's use of pollution prevention techniques, annual inspections, and sampling events of all significant IUs subject to pretreatment regulatory requirements. Audits evaluate all aspects of a program while inspections concern one element or site of the program. Problems found in an audit or inspection will trigger more frequent audits in the future.

Pretreatment Compliance Inspection—The on-site pretreatment compliance inspection is a tool for DEQ to determine the control authority's compliance with and enforcement of its approved pretreatment program during the years between audits. This inspection evaluates the POTW's implementation of its approved pretreatment program. It includes a review of the POTW's records on monitoring, inspections, and enforcement activities for its IUs. In the course of conducting this inspection, DEQ will ensure that the POTW is following its enforcement response plan when the POTW identifies IU noncompliance. This inspection will include an appropriate number of IU evaluations or site visits to evaluate the control authority oversight procedures and to assess accurate application of categorical pretreatment standards. The inspection may include IU sampling, depending on the reason for the inspection. For example, samples may be collected and analyzed to verify the IU's self-monitoring program. Inspectors may prefer to conduct this inspection concurrently with an NPDES inspection of the POTW. When preparing for a pretreatment compliance inspection, the inspector will consider EPA's *Pretreatment Compliance Inspection and Audit Manual for Approval Authorities* (EPA 1986), *Guidance for Conducting a Pretreatment Compliance Inspection* (EPA 1991), and *Control Authority Pretreatment Checklist and Instructions* (EPA 1992).

Sanitary Sewer Overflow Inspection—The inspector conducts an on-site inspection in response to information received regarding a known or suspected SSO event. An SSO inspection evaluates compliance with IPDES permit terms and conditions for system design; operation and maintenance; permit reporting requirements; an enforcement order; a consent decree; or another enforceable document. The inspector collects information to verify that the permittee is complying with the IPDES standard permit conditions (duty to mitigate and proper operation and maintenance) and the required notification procedures. The inspector also determines whether there have been any additional unpermitted discharges, or discharges from a location other than the discharge point specified in the permit, to waters of the United States. When preparing for an SSO inspection, the inspector will consider OECA's *Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems* (EPA 2005) and coordinate with the regional office engineering manager.

Significant Industrial User Inspection—For purposes of this CMS, the SIU inspection of an indirect discharger is performed when DEQ is acting as the pretreatment control authority pursuant to 40 CFR 403.10, or where the state is otherwise performing oversight. The SIU inspection is an on-site activity that closely reviews the indirect discharge permit and the SIU's compliance, recordkeeping, and reporting since the last inspection. The pretreatment regulations provide that state and local control authorities must conduct sampling inspections of all SIUs at

least annually to evaluate compliance with applicable pretreatment standards independent of the IU's self-monitoring reports.

Storm Water Inspection—Storm water inspections at industrial facilities and construction sites are designed to evaluate compliance with IPDES permits for storm water discharge. A storm water inspection may also evaluate whether an industrial facility or construction site has obtained IPDES permit coverage if required or qualifies for a no exposure exemption or low erosivity waiver, respectively. SWPPP documents how the facility intends to comply with the terms and conditions of the permit, including effluent limitations. During the on-site inspection, the inspector reviews the permit and measures described in the SWPPP to evaluate whether the facility is following its plan for complying with the permit. The inspector also reviews records, such as self-inspection reports, to verify that the facility is complying with its permit and following the SWPPP, and walks the site to verify that the SWPPP is accurate and BMPs are in place and functioning properly. When preparing for a storm water inspection, the inspector will consider the *Storm Water Compliance and Enforcement Strategy* (EPA 2003) and comply with EPA's most current national program guidance.

Technical Assistance Inspection—This inspection is similar to EPA's diagnostic inspection. It is an on-site activity that primarily focuses on POTWs that have not achieved permit compliance. POTWs having difficulty diagnosing their problems are targeted. The technical assistance inspection is used to identify the causes of noncompliance, suggest immediate remedies to the POTW that will achieve compliance, and support current or future enforcement action. This inspection is typically conducted after noncompliance events have been formally documented and cited by DEQ. Once the cause of noncompliance is defined, an administrative order is usually issued that requires the permittee to conduct a detailed analysis and develop a composite correction plan.

Toxics Sampling Inspection—This on-site inspection of an IPDES direct discharger has the same objectives as a conventional compliance sampling inspection; however, increased emphasis is placed on toxic substances regulated by the IPDES permit. The toxic sampling inspection covers priority pollutants other than heavy metals, phenols, and cyanide, which are typically included in a compliance sampling inspection (if regulated by the IPDES permit). This type of inspection uses more resources than a compliance sampling inspection because sophisticated techniques are required to sample and analyze toxic pollutants. A toxic sampling inspection may also evaluate raw materials, process operations, and treatment facilities to identify toxic substances requiring controls.

6.3 Noncomprehensive Inspection Types

Combined Sewer Overflow Inspection—During a CSO inspection, the inspector conducts an on-site inspection in response to information received about a known or suspected overflow event. A CSO inspection evaluates compliance with CWA and CSO requirements as written in the IPDES permit, an enforcement order, or another enforceable document. The inspector will verify whether the permittee is preventing CSOs during dry weather; implementing the nine minimum controls; adhering to a schedule for developing, submitting, and implementing a long-term CSO control plan; eliminating or relocating overflows to sensitive areas; adhering to effluent limitations; and implementing a post construction compliance monitoring program.

Focused Compliance Inspection—A focused compliance inspection is more detailed than a reconnaissance inspection but is not as comprehensive as compliance evaluation, compliance sampling, diagnostic, or pretreatment compliance inspections. This focused compliance inspection evaluates compliance for one or more specific portions of a facility (e.g., specific operation or process stream), permit, or program (e.g., a pretreatment control authority’s oversight of IUs).

A fact-driven analysis will determine whether a comprehensive inspection¹ or a focused compliance inspection is appropriate for the particular facility. Some industries that typically require full process-based inspections may not qualify for a focused compliance inspection. The scope of a focused compliance inspection should be based on the facility’s compliance history, recent changes in the facility’s operation, and other data that indicate a portion of the program or facility is more likely to have noncompliance issues. While the scope is narrower, the level of detail should be comparable to the level of detail required of that portion of a comprehensive inspection.

For a focused compliance inspection (referred to in the national CMS policy as a focused inspection) to count toward implementation of an approved alternative CMS, all applicable conditions outlined in section 7 must be met.

Follow-up Inspection—The follow-up inspection is a resource intensive site inspection conducted when a compliance problem is identified as a result of a routine inspection or complaint. For this inspection, the appropriate resources are assembled to deal effectively with a specific enforcement problem.

Off-Site Desk Audit—This audit is a comprehensive off-site compliance evaluation of information, data, records, and facility reports used to make a facility- or program-level (for pretreatment and MS4s) compliance determination. Routine off-site compliance monitoring activities, such as reviewing self-monitoring reports or records of phone calls with the facility, are not enough to be considered an off-site desk audit. An audit may include review of agency-gathered testing; sampling and ambient monitoring data; responses to CWA §308 requests; compliance deliverables submitted pursuant to permits or enforcement orders; remote sensing; aerial or satellite images; DMRs; annual reports; conversations with facilities; and tips and complaints. For an off-site desk audit to count toward implementation of an approved alternative CMS, all applicable conditions outlined in section 7 must be met.

For an off-site desk audit, DEQ may use videoconferencing with facility personnel to gather additional information as they conduct their evaluation. This audit will be performed by an authorized inspector (consistent with state authority) or other credible regulator (i.e., an individual designated by EPA or DEQ with sufficient knowledge, training, or experience to assess compliance). DEQ will select the candidate for the off-site desk audit based on personal knowledge of the facility, information from DMRs, other reports, and prior on-site inspections, and with this facility information will make a compliance determination.

Reconnaissance Inspection—A reconnaissance inspection, which only requires a preliminary overview of a permittee’s compliance program and brief inspection of the facility, does not qualify as a focused compliance inspection. It is an on-site inspection that can be conducted with or without sampling. The inspector performs a brief visual inspection of the permittee’s treatment

facility, effluents, and receiving waters. The reconnaissance inspection uses the inspector's experience and judgment to quickly summarize any potential compliance problems. One objective of this inspection is to expand inspection coverage without increasing inspection resources; it may also be used to verify that a facility is no longer discharging to waters of the United States and does not require an IPDES permit. The reconnaissance inspection is the briefest and least resource intensive of all CWA inspections.

Sewage Sludge/Biosolids Inspection—This inspection assesses facilities engaged in regulated sludge or biosolids activities (40 CFR 503) and evaluates compliance with applicable regulatory provisions, including sludge monitoring; recordkeeping and reporting; treatment operations; sampling and laboratory quality assurance; and use or disposal practices (e.g., land application). Sewage sludge/biosolids inspections are on-site activities that may be conducted with compliance inspections at major and nonmajor POTWs. The pretreatment compliance, compliance evaluation, and performance audit inspections are the most likely vehicles for evaluating compliance with sludge/biosolids requirements.

7 Alternative CMS Development

As stated in section 3.1, DEQ may deviate from the national goals by incorporating flexibilities set forth in Part 2 of the 2014 NPDES CMS. An alternative CMS may include modified frequency of comprehensive inspections, modified compliance monitoring activities (e.g., off-site desk audit), or a combination of the two. It will include adequate detail for EPA and the regulated community to understand (1) the overall approach proposed, including the rationale for any deviations and adjustments; (2) a description of the affected regulated entities; and (3) an explanation of how DEQ determined that the resulting reduced/modified attention for certain entities will not have negative public health or environmental impacts.

Any monitoring commitments incorporated into an alternate CMS that includes focused inspections and/or off-site desk audits will meet the following minimum conditions:

1. The compliance monitoring activity will be conducted to make a compliance determination. When conducting a focused inspection pursuant to the provisions of this policy, DEQ may make a compliance determination at the process level (e.g., belt press and sludge handling procedures of a treatment works) relative to the scope of the focused inspection.
2. The activity will be conducted by appropriate personnel, as specified in the definitions of each alternative activity (section 6).
3. The supporting API will document DEQ's evaluation of the five facility-specific questions below.
4. The compliance monitoring activity will be reported to ICIS-NPDES through EPA's central data exchange to ensure transparency, accountability, and appropriate follow-up. Reporting includes entry of facility-specific information, compliance actions, and results of the activity (e.g., any noted violations and SNC).

In addition, annual inspection plans developed under an alternative CMS may include the expectations of the alternative CMS if not specifically addressed in the alternative CMS. For example, the plan may list those facilities subject to each CMS metric and the associated number/type of compliance monitoring activities. When developing an API consistent with an alternative CMS, DEQ will consider the following facility-specific questions before proposing a focused compliance inspection and/or off-site desk audit:

1. Is the facility currently subject to an enforcement action or a compliance schedule resulting from an enforcement action?
2. Has the facility been reported in SNC within the previous four quarters?
3. Does the facility have any unresolved single-event violations identified in prior inspections?
4. Does the facility discharge listed pollutants to impaired waters?
5. Does the facility have any known potential to impact drinking water supplies?

If the answer to any of the above questions is “yes,” DEQ will further scrutinize whether a focused inspection or off-site desk audit of the facility is adequate to assess compliance and protect water quality. For each year that an API includes focused inspections and/or off-site desk audits, DEQ staff will reevaluate these questions on a facility-specific basis to address changing circumstances (e.g., impaired waters listings and compliance status). For any facility that is a viable candidate for a focused inspection or off-site desk audit, the API will consider the amount of time since the last comprehensive inspection to ensure that all facilities are subject to periodic comprehensive inspections.²

Alternative CMS Review

DEQ will consult EPA and submit for review any alternative CMS as early in the planning process as possible. DEQ will contact the appropriate EPA staff to discuss an appropriate review schedule. The goal is to work efficiently and effectively so an API is in place at or near the beginning of the year covered by each plan (e.g., the first day of the calendar year, January 1). Approving and documenting the IPDES alternative CMS and subsequent APIs may be included in existing timetables and processes EPA uses in the §106 grant process, grant work plans, performance partnership agreements, or through the state review framework process.

The following are alternative CMS scenarios that DEQ may consider when implementing this policy:

- A. For major facilities that have been evaluated under the five alternative API considerations described above, DEQ may propose the following alternative approach: every 5 years

² Throughout this document, when used without qualification, *comprehensive inspection* includes any of the following types of inspections: compliance evaluation, compliance sampling, concentrated animal feeding operation, performance audit, compliance biomonitoring, MS4 audit or inspection, sanitary sewer overflow, significant industrial user, storm water, technical assistance, toxics sampling, and pretreatment program audit or inspection.

conduct at least one comprehensive on-site inspection, one focused compliance inspection, and one off-site desk audit (i.e., two on-site inspections in 5 years).

- B. DEQ may propose inspections of nonmajor facilities on a watershed basis or by a particular pollutant. The watershed approach would allow DEQ to focus resources on areas of the state where beneficial use impairment is directly correlated with the pollutants being discharged. Inspections based on a particular pollutant may be a useful approach where the state has identified a particular pollutant causing impairment to waters of the United States within Idaho.
- C. DEQ may encounter a situation where MS4s are not performing well in their role of overseeing active construction sites and industrial storm water dischargers. In exchange for reduced comprehensive inspection coverage in industrial and construction storm water sectors, DEQ may increase the number of comprehensive inspections for MS4s to ensure that the MS4s are conducting critical local oversight of construction and industrial storm water discharges. For example, DEQ may commit to conducting inspections at 5% of industrial storm water facilities and off-site desk audits at an additional 5% of the facilities. In this scenario, the compliance improvement benefit would presumably accrue through higher compliance in the future at the facilities under the MS4's jurisdiction, versus increased compliance at just a few individually inspected facilities.
- D. DEQ may propose fewer inspections in a particular area, such as industrial storm water, for a limited time (e.g., up to 2 years) to use those resources to explore or ground-truth innovative compliance monitoring approaches and techniques. Such a trade-off in an alternative CMS requires justifying the innovative approach by including a description of the expected results (i.e., how and when expected results will be documented and how the results could enhance the state, regional, and/or national program).

References

- DEQ (Idaho Department of Environmental Quality). 2012. *Quality Management Plan*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2016a. *IPDES Enforcement Response Guide*. Boise, ID: DEQ.
- DEQ (Idaho Department of Environmental Quality). 2016b. *IPDES Permit Rating Work Sheet*. Boise, ID: DEQ.
- EPA (US Environmental Protection Agency). 1986. *Pretreatment Compliance Inspection and Audit Manual for Approval Authorities*. Washington, DC: EPA.
- EPA (US Environmental Protection Agency). 1991. *Guidance for Conducting a Pretreatment Compliance Inspection*. Washington DC: EPA.
- EPA (US Environmental Protection Agency). 1992. *Control Authority Pretreatment Checklist and Instructions*. Washington, DC: EPA.

EPA (US Environmental Protection Agency). 2003. *Storm Water Compliance and Enforcement Strategy*. Washington, DC: EPA.

EPA (US Environmental Protection Agency). 2005. *Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems*. Washington, DC: EPA, Office of Enforcement and Compliance Assurance.

EPA (US Environmental Protection Agency). 2007. *MS4 Program Evaluation Guidance*. Washington, DC: EPA, Office of Wastewater Management.

EPA (US Environmental Protection Agency). 2010. *Control Authority Pretreatment Audit Checklist and Instructions*. Washington, DC: EPA.

EPA (US Environmental Protection Agency). 2014. *Clean Water Act National Pollutant Discharge Elimination System Compliance Monitoring Strategy*. Washington, DC: EPA.

National Cotton Council, et al. v. EPA. 2009. Nos. OW-2003-0063; 40 CFR 122. US Court of Appeals, Sixth Circuit.

Appendix H. IPDES Enforcement Response Guide

This page intentionally left blank for correct double-sided printing.

Idaho Pollutant Discharge Elimination System

Enforcement Response Guide



**State of Idaho
Department of Environmental Quality**

September 2016



Printed on recycled paper, DEQ September 2016,
PID IPGF, CA 82988. Costs associated with this
publication are available from the State of Idaho
Department of Environmental Quality in accordance
with Section 60-202, Idaho Code.

Table of Contents

Acronyms	iv
1 Purpose, Principles, and Measures	1
2 Timing of Enforcement Response	1
3 Technical Assistance as a Conjunctive Tool	2
4 Enforcement Responses.....	3
4.1 Escalating Enforcement Responses	3
4.2 No Immediate Action	4
4.3 Informal Responses	4
4.3.1 Compliance Assistance	4
4.3.2 Noncompliance Letters	5
4.3.3 Notice of Compliance	6
4.4 Formal Responses.....	6
4.4.1 Administrative Actions	6
4.4.2 Civil Remedies.....	7
4.4.3 Criminal Remedies	7
Attachment A. Noncompliance events, circumstances, and range of responses.	8

List of Figures

Figure 1. Example of an escalating enforcement response.....	4
--	---

Acronyms

CAS	compliance agreement schedule
CO	consent order
CSO	compliance schedule order
DEQ	Idaho Department of Environmental Quality
DMR	discharge monitoring report
IPDES	Idaho Pollutant Discharge Elimination System
NOD	notice of deficiency
NONC	notice of noncompliance
NOV	notice of violation
POTW	publicly owned treatment works
NNCR	NPDES noncompliance reports
SIU	significant industrial user
SNC	significant noncompliance
TRE	toxicity reduction evaluation
TRO	temporary restraining order

1 Purpose, Principles, and Measures

This guide supplements the Idaho Department of Environmental Quality's (DEQ's) *Enforcement Manual* and is designed to help Idaho Pollutant Discharge Elimination System (IPDES) Program compliance and enforcement staff determine the appropriate enforcement response to a specific violation of an IPDES permit and related sections of state law. This guide serves two purposes:

1. It recommends an enforcement response that is timely and appropriate with respect to the nature and severity of the violation and the overall degree of noncompliance.
2. It ensures uniform application of enforcement responses to comparable levels and types of violations.

While this guide addresses a broad range of IPDES Program violations, it is not intended to cover every possible noncompliance event (Attachment A). The enforcement responses reflect the enforcement actions available to DEQ. When taking into consideration the elements of the *IPDES Enforcement Response Guide*, DEQ will administer any enforcement responses available under, and consistent with, state law. DEQ maintains enforcement discretion in all cases.

DEQ considers an effective enforcement response as one that ensures the noncompliant facility returns to compliance as expeditiously as possible, establishes the appropriate deterrent effect for a particular violator and for other potential violators, and promotes fairness of government treatment among comparable violators and among complying and noncomplying parties.

When determining the level of the enforcement response, IPDES staff should consider the following:

- The degree of variance from the permit condition or legal requirement,
- The severity of adverse impacts or threats of adverse impacts to human health or the environment,
- The duration of the violation,
- Previous enforcement actions taken against the violator,
- The deterrent effect of the response on the violator and on the similarly situated regulated community, and
- Any information regarding knowledge or intent of the violator.

2 Timing of Enforcement Response

DEQ must respond to all significant noncompliance (SNC)¹ in a timely and appropriate manner. The response should reflect the nature and severity of the SNC violation. Unless there is supportable justification, the response must be a formal enforcement action or require a return to

¹ SNC designations are made in accordance with EPA's December 12, 1996, guidance document *General Design for SNC Redefinition Enhancement in PCS*, the October, 2007, *Interim Significant Noncompliance Policy for Clean Water Act Violations Associated with CSOs, SSOs, CAFOs, and Storm Water Point Sources*, and the September 21, 1995, memorandum "Revision of NPDES Significant Noncompliance (SNC) Criteria to Address Violations of Non-Monthly Average Limits."

compliance by the permittee, generally within one quarter from the date that the SNC violation is first reported on the quarterly NPDES noncompliance reports - (NNCRs), but may be both.

DEQ expects to take a formal enforcement action before the violation appears on the second quarterly NNCR, generally within 60 days of the first quarterly NNCR. When formal enforcement action is not taken, DEQ will keep a written record that clearly justifies why the alternative action (e.g., informal enforcement or permit modification) was the more appropriate action.

There is no specific timeframe established to initiate and complete an enforcement response. However, it is DEQ's general guideline to determine the appropriate enforcement response, action, and documentation within 45 days of identifying a violation. DEQ will consider the appropriate formal enforcement response in those instances when noncompliance continues beyond a reasonable time.

Throughout this guidance, references to days represent calendar days, unless specified otherwise (e.g. business days). In computing any period of time scheduled to begin after or before the occurrence of an activity or event, the date of the activity or event is not included. The last day of the period is included, unless it is a Saturday, a Sunday, or a legal holiday, in which case the period runs until the end of the next day (which is not a Saturday, a Sunday, or holiday). However, when a party or interested person is served by mail, 3 days are added to the prescribed time.

3 Technical Assistance as a Conjunctive Tool

In some instances, DEQ may provide technical assistance to permittees with documented chronic violations. However, a regulated entity may request technical assistance at any time. Technical assistance is the provision of advice, assistance, or training pertaining to the installation, operation, and maintenance of equipment; it is not compliance assistance. Rather, its function is independent of any enforcement action DEQ may pursue and may or may not be a resource for a permittee. The objective of technical assistance is to provide permittees with the expertise needed to gain compliance. Technical assistance may involve site visits to teach skills, guidance on obtaining grants and loans, or help solving problems related to the operation and maintenance of a treatment works. While the proper operation and maintenance of a facility is the responsibility of the permittee, DEQ staff expertise may be a useful resource for the regulated community.

While a permitted facility may request technical assistance at any time, the IPDES Program may request a technical assistance inspection of a permitted facility by regional DEQ engineering staff to determine the cause of a chronic violation. For example, a small community may lack the financial resources to employ a consultant capable of troubleshooting a deficient treatment removal process. As a result, the facility continues to report effluent limit exceedances. IPDES personnel may proceed with enforcement action while informing the facility that DEQ regional engineering staff is available for technical assistance. Technical assistance does not preclude the IPDES Program from initiating a formal enforcement response.

4 Enforcement Responses

DEQ will exercise three possible levels of response to an illegal discharge or other violations of the IPDES program requirements: no immediate action, informal response, or formal enforcement action. DEQ will review the violation and determine the appropriate enforcement response.

4.1 Escalating Enforcement Responses

DEQ will respond in a timely manner to every known noncompliance event. The magnitude, frequency, and duration of a noncompliance event determine whether DEQ's response is formal or informal or requires immediate action. Events resulting in known harm to public health or the environment prompt a formal enforcement action. Harmful events are those events that create a nuisance or render surface waters detrimental or injurious to public health, safety, or welfare; fish and wildlife; or beneficial uses of the water body (e.g., swimming beach closures or fish kills). For those noncompliance events identified as not significant, DEQ may offer compliance assistance, and may deploy an escalating informal response process to bring permittees back into compliance. For an example of an escalating response, see Figure 1. DEQ reserves discretion when initiating an informal response such that an informal response may begin with the highest level (i.e., notice of intent to enforce).

DEQ's initial informal response to an isolated single noncompliance event may be to contact the facility via phone or e-mail. If the permittee is unresponsive or fails to return to compliance expeditiously, then DEQ may escalate the informal response by sending the permittee a written notification. As the severity (magnitude) of the violation increases, a formal enforcement response becomes more likely. Where frequent unrelated noncompliance events persist, DEQ may inform the permittee in writing that a formal enforcement action is imminent.

Significant noncompliance violations identified on a quarterly NNCR as unresolved or recurring violations similar in nature (e.g., chronic reporting deficiencies) should trigger a formal enforcement action. When establishing enforceable schedules (timelines) for achieving compliance, DEQ will strive to set realistic expectations of the permittee.

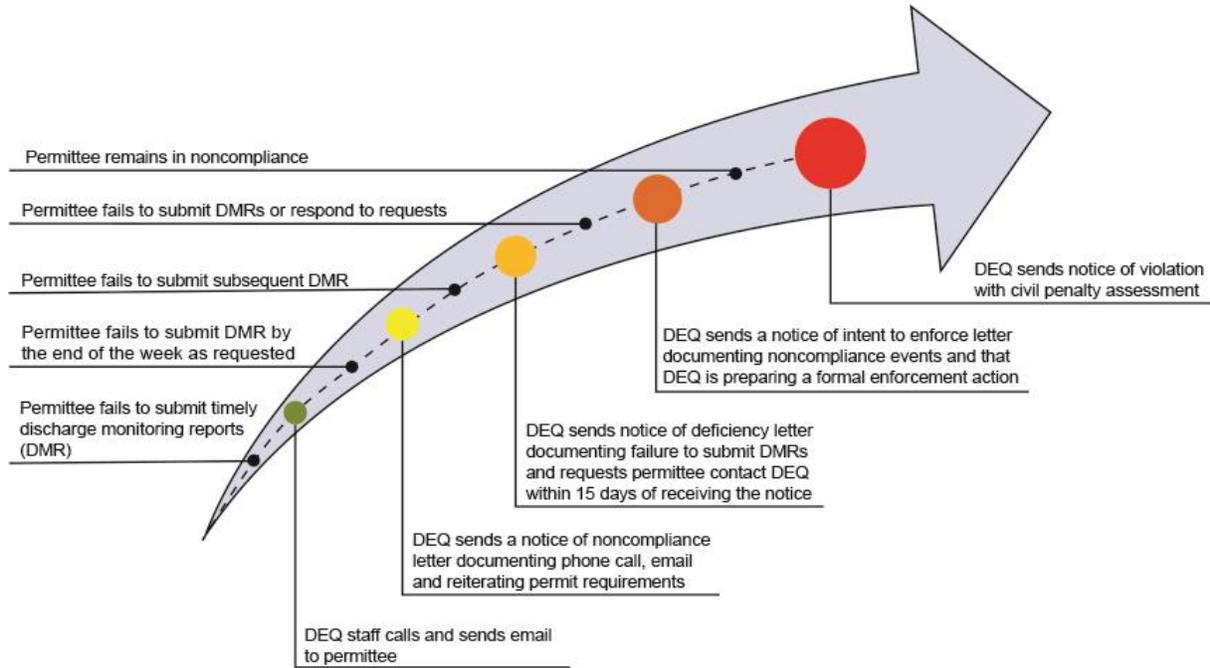


Figure1. Example of an Escalating Enforcement Response

Figure 1. Example of an escalating enforcement response.

4.2 No Immediate Action

DEQ may encounter circumstances that delay an informal response or formal enforcement action. For example, a file review may reveal noncompliance with a permit condition or IPDES rule; DEQ may choose to address this discovery at a later date, during a compliance evaluation inspection. Should IPDES resources become constrained by workload and preclude immediate action, DEQ will focus enforcement actions on those violations posing the greatest risk to public health and the environment.

4.3 Informal Responses

Informal responses typically take four forms: compliance assistance, notices of noncompliance, notices of deficiency, and notices of intent to enforce.

4.3.1 Compliance Assistance

DEQ uses verbal or electronic notifications/requests (phone call, e-mail) to inform a permittee of a problem and to informally explain regulatory requirements (e.g., surface water quality standards, environmental statutes and rules) and permit requirements or to provide guidance on how to comply with or satisfy a particular permit condition. For example, DEQ may explain the purpose of a storm water pollution prevention plan or quality assurance project plan and provide resources to assist in completing these types of documents. DEQ will contact permittees via

phone within 5 days of becoming aware of a noncompliance event, regardless of whether a formal response will follow.

DEQ uses permittee education and outreach when noncompliance is identified statewide or by sector (e.g., storm water). As reporting data are reviewed and inspections are conducted, DEQ will analyze noncompliance trends and address these issues through education and outreach, including publication of online IPDES resources, permittee file reviews, workshops, conferences, and newsletters.

4.3.2 Noncompliance Letters

4.3.2.1 Notice of Noncompliance

DEQ issues a notice of noncompliance (NONC) letter when compliance assistance efforts have proven ineffective or when noncompliance issues by first time violators that do not cause actual harm to human health or the environment are identified. Violators will be given an opportunity to rectify the situation within a realistic timeframe (typically within 30–60 days). A NONC is best suited for addressing paperwork-related noncompliance, not including failure to develop a plan as required by a permit condition. For example, a permittee may miss a deadline for notifying DEQ that a particular plan has been updated; DEQ may attempt to contact the facility, and where the permittee developed the plan but neglected to notify, DEQ may issue a NONC.

4.3.2.2 Notice of Deficiency

DEQ issues a notice of deficiency (NOD) letter to inform the permittee that a noncompliance event has occurred and requires corrective action. This letter provides the responsible party an opportunity to correct the situation within a specified period of time. The NOD stipulates the appropriate corrective action required to achieve compliance and the type of response required of the permittee. A NOD is best suited for addressing noncompliance events with no known harm to public health or the environment.

4.3.2.3 Notice of Intent to Enforce

DEQ may issue a notice of intent to enforce (NOIE) letter when noncompliance issues persist beyond a previously established amount of time or when noncompliance nears the threshold for initiating a formal enforcement response. This letter is often issued after an NONC or NOD letter and prior to a notice of violation (NOV). In some instances, DEQ may issue a notice of intent to enforce after an NOV where the NOV did not stipulate a monetary penalty amount and the permittee has yet to gain compliance. This letter is the most serious form of an informal enforcement action. It will follow the format of an NOV to facilitate the transition from an informal response to a formal enforcement action. The NOIE will:

- Cite DEQ's authority to pursue administrative or judicial enforcement actions,
- Cite the statute, rule or permit condition allegedly violated,
- State the findings of fact that support DEQ's position that a violation occurred,
- Provide a final offer for compliance assistance,
- Specify reasonable timelines to achieve compliance,

- Require a written response that corrective action has been completed, or a schedule for returning to compliance, and
- Identify the individual to whom correspondence and inquiries should be directed.

While the NONC, NOD, and NOIE are all informal responses, the IPDES NOIE is most similar to EPA's notice of violation informal enforcement action.

4.3.3 Notice of Compliance

DEQ will issue a notice of compliance once it has been determined that a facility is in, or has returned to, complete compliance. This notice documents that all known noncompliance has been addressed and that DEQ will not take further action regarding those specific events. This notice may also be sent to a facility after an inspection when no items of concern or violations were documented.

4.4 Formal Responses

Pursuant to Idaho Code §39-175E, all investigation, inspection, and enforcement authorities set forth in Idaho Code §§39-101 through 39-130 are available to DEQ with respect to the IPDES program. The public will be given the opportunity to comment on all proposed enforcement action settlements.

4.4.1 Administrative Actions

A notice of violation (NOV) under Idaho Code §39-108 is a notice that documents a violation. The majority of enforcement work starts with an NOV. There is no requirement to issue an NOV every time a violation is observed. An NOV is not an order. The notice must include an opportunity to confer with DEQ within 20 days of receiving the notice, unless a later date is agreed to. This compliance conference provides the violator an opportunity to explain the circumstances of the alleged violation and propose a remedy for returning to compliance. The notice may require a written response within 15 days. NOVs may precede other formal administrative or civil/judicial enforcement actions and may include a civil penalty. An NOV is not required prior to filing a civil enforcement action. If an NOV is issued, however, a civil action may not be filed until the recipient has been afforded an opportunity for a compliance conference and to enter into a consent order (discussed below).

A compliance agreement schedule (CAS) under Idaho Code §39-116A is an enforceable schedule that establishes actions necessary to maintain or come into compliance as expeditiously as practicable. The term of the agreement is not to exceed 10 years. Annual meetings between DEQ and the permittee will be included in the schedule when agreements last longer than 1 year.

A consent order (CO) under Idaho Code §39-108 is an administrative order entered into by agreement of the violator and DEQ. It may include a provision providing for payment of any agreed civil penalty. If no agreement is reached, DEQ may initiate a civil enforcement action in district court.

4.4.2 Civil Remedies

A **civil suit** under Idaho Code §39-108 and 109 is an enforcement action that causes a violator to be liable to the state for a sum to be assessed by the court. A civil suit is filed in district court by the Office of the Attorney General in consultation with DEQ. Sufficient evidence must be available to prove the case in court. DEQ is not required to initiate or prosecute an administrative action before initiating a civil enforcement action.

A **temporary restraining order (TRO)** and **preliminary injunction** under Idaho Code §39-108(8) allows DEQ to seek immediate injunctive relief when there is an imminent and substantial danger to public health and the environment.

4.4.3 Criminal Remedies

Per Idaho Code §39-117, any person will be guilty of a misdemeanor who willfully or negligently violates any IPDES standard or limitation, permit condition, or filing requirement; who knowingly makes any false statement, representation, or certification in any IPDES form, in any notice, or report required by an IPDES permit; or who knowingly renders inaccurate any monitoring device or method required to be maintained. The convicted party may be punished by a fine or imprisonment (Idaho Code §18-113). DEQ's *Enforcement Manual* (2000) describes the procedures to refer a potential criminal action to the Office of the Attorney General.

Attachment A. Noncompliance events, circumstances, and range of responses.

The table below outlines various noncompliance scenarios, circumstances, and the range of responses that may be appropriate. When using this table:

- “Isolated or infrequent” refers to a noncompliance event that occurs at an interval once within a permit cycle and unrelated to another noncompliance event.
- Phone calls should be noted in the IPDES database record and followed up with noncompliance letters if reports are not received within the specified timeframe.
- A noncompliance letter includes notice of noncompliance (NONC), notice of deficiency (NOD), and notice of intent to enforce letters. The specific letter type depends on the escalating factors.
- Consult the Office of the Attorney General before proceeding with a formal enforcement action.

Noncompliance	Circumstances	Range of Response ^a
Sampling, Monitoring, and Reporting		
Failure to sample, monitor, or report (routine reports, discharge monitoring reports [DMRs])	Isolated or infrequent (depending on circumstance)	Phone call, noncompliance letter, or NOV. Request that a report be submitted immediately.
	Permittee does not respond to NOV, does not follow through on verbal or written commitments, or commits frequent violations	Consider CAS or CO, depending on circumstance. Judicial action if failure to comply with CAS, CSO, or CO. Consider criminal prosecution.
Failure to sample, monitor, or report (IDAPA 58.01.25.300.10)	Any instance	NOV, CAS, CO, or judicial action.
Failure to sample, monitor, or report (one-time requirement)	Any instance	Noncompliance letter, NOV, CAS, CO, or judicial action.
Failure to perform biological testing as required	Isolated or infrequent	NOV or CAS.
	Frequent or continued	CAS, CO, or judicial action.
Failure to report biological testing results	Submitted within 30 days of due date	Noncompliance letter.
	Submitted 30 days or more late	NOV, CAS, CO, or judicial action.
Failure to submit final toxicity reduction evaluation (TRE) planning or implementation report as required	Submitted within 30 days of due date	Noncompliance letter.
	Submitted 30 days or more late	NOV, CAS, CO, or judicial action.
Failure to file 24-hour report for effluent violations required by IDAPA 58.01.25.300.12	No known harm	NOV, CAS, or CO.
	Known harm	Consider criminal prosecution. If not, judicial action (including TRO).

Noncompliance	Circumstances	Range of Response ^a
Sampling, Monitoring, and Reporting (cont.)		
Failure to submit with DMRs a report explaining other violations	Isolated or infrequent	Phone call, noncompliance letter, or NOV.
	Frequent or continued violations	CAS or CO.
Minor sampling, monitoring, or reporting deficiencies (e.g., computational or typographical errors)	Isolated or infrequent	Phone call, noncompliance letter, or NOV. Require corrections be made in next submittal.
	Frequent or continued violations	NOV, CO, or CAS with penalty.
Major or gross sampling, monitoring, or reporting deficiencies (e.g., missing information, late reports, or repeated occurrences of computational errors)	Isolated or infrequent	NOV, CAS, or CO. Require corrections be made in the next submittal.
	Frequent or continued violations	CAS, CO, or judicial action.
Reporting false information	Any instance	Consider criminal prosecution. If not, judicial action.
Failure to install monitoring equipment	90 days or more outstanding with no good or valid cause	NOV, CAS, CO, or judicial action.
Quality Assurance		
Nonsubmittal of DMR quality assurance data	Isolated or infrequent	Noncompliance letter, NOV, CAS, or CO.
	Continued violation	NOV, CAS, or CO.
Permit Effluent Limits		
Effluent limit exceedance	Outside permittee's control (e.g., upset or bypass)	Contact permittee and require proof of good and valid cause, noncompliance letter.
	Isolated or infrequent minor violation	Noncompliance letter, NOV.
	Isolated or infrequent major violations of a single effluent limit	NOV, CAS, CO, or judicial action.
	Frequent violations of effluent limits	CAS, CO, or judicial action.
Failure to meet whole effluent toxicity testing limits	Isolated or infrequent violation with no known harm	NOV or CAS.
	Isolated or infrequent with known harm	CAS, CO, or judicial action.
	Continuing violations with or without harm	CO or judicial action.
Discharge without a permit	One time with no known harm	NOV, CAS, or CO.
	One or more times with or with no known harm	Consider criminal prosecution. If not, other judicial action.

Noncompliance	Circumstances	Range of Response ^a
Permit Compliance Schedule (Construction phases or planning, including required TRE activities) ^b		
Missed interim date	No written notification within 14 days	Phone call, noncompliance letter, NOV, or CO.
	Will not cause late final date or other interim dates	Phone call, noncompliance letter, NOV, or CO.
	Will result in other missed interim dates but the violation is for good or valid cause	NOV, CAS, or CO. Contact permittee and require documentation of good and valid cause.
	Will result in other missed interim dates and no good or valid cause (i.e., was negligent)	CAS, CO, or judicial action ^c .
	Will result in missed final date and no good or valid cause	Judicial action.
Missed final date ^d	No written notification within 14 days	Phone call, noncompliance letter, NOV, or CO.
	Violation due to act of God, strike, flood, or materials shortage or other events over which the permittee has little or no control and for which there is no reasonably available remedy (force majeure)	Contact permittee and require submittal of written documentation of good and valid cause and date of or schedule for returning to compliance. Follow-up with facility to determine compliance.
	90 days or more outstanding with no good or valid cause	NOV, CAS, or judicial action.
Failure to make timely corrective control/treatment decisions as part of TRE	Late with good or valid cause	NOV.
	Continued violation with no good or valid cause	CAS, CO, or judicial action.
Failure to undertake TRE control/treatment activities as required	Isolated or infrequent	Phone call, noncompliance letter, NOV, CAS, CO, or judicial action.
	Frequent or continued	CAS, CO, or judicial action.
Exceeding interim effluent limits	Outside permittee's control (e.g., upset or bypass)	Contact permittee and require proof of good and valid cause, noncompliance letter.
	No known harm	Noncompliance letter, NOV, CAS, CO, or judicial action.
	Known harm	Judicial action.
Failure to meet interim whole effluent toxicity testing limits	Isolated or infrequent with no known harm	Noncompliance letter, NOV, CAS, or CO.
	Isolated or infrequent with harm	CAS, CO, or judicial action.
	Continued violation with or without harm	CO or judicial action (TRO).

Noncompliance	Circumstances	Range of Response ^a
Compliance Inspection		
Minor violation of sampling or analytical procedure (e.g., failure to update quality assurance project plan)	One instance or as many as three unrelated instances	Noncompliance letter.
	More than three instances	NOV.
Major violation of sampling or analytical procedure (e.g., failure to follow quality assurance project plan)	No evidence of intent	Noncompliance letter, NOV, CAS, or CO.
	Evidence of negligence or intent	Consider criminal prosecution. If not, judicial action.
Violation of permit conditions other than (numerical) effluent, schedule, or reporting requirement (e.g., BMP, O&M, unauthorized discharge or bypass, record detention, or record availability)	No evidence of negligence or intent	Noncompliance letter, NOV, CAS, or CO with immediate correction action required.
	Evidence of negligence or intent	NOV, CAS, or CO. Consider criminal prosecution. If not, judicial action.
Compliance Agreement Schedule (Construction phases, TRE activities)		
Missed deadline	Contained in CAS previously issued and good or valid cause	CO or judicial action. Contact permittee and require documentation of cause, if not already provided by permittee.
	Contained in CAS previously issued and no good or valid cause	Judicial action.
Reporting false information	Any instance	Consider criminal prosecution. If not, judicial action.
Exceeding interim effluent limits	Outside permittee's control (e.g., upset or bypass)	Contact permittee and require proof of good and valid cause.
	No known harm	NOV, CAS, CO, or judicial action.
	Known harm	Judicial action.
Failure to meet interim whole effluent toxicity testing limits	Isolated or infrequent with no known harm	NOV, CAS, or CO.
	Isolated or infrequent with harm	CAS, CO, or judicial action.
	Continued violation with or without harm	CO or judicial action (or TRO).
Consent Order with Interim Limits		
Exceeding interim limits contained in CO	Isolated or infrequent violation	Judicial action on basic violation.
	Frequent or continued violations within the control of the permittee or known environmental damage	Amend CO; consider criminal prosecution. If not, judicial action.

Noncompliance	Circumstances	Range of Response ^a
Consent Order with Compliance Schedule		
Missed deadline	Contained in CO and good or valid cause	Contact permittee and require documentation of cause, if not already provided by permittee.
	Contained in CO and no good or valid cause	Judicial action.
Reporting false information	Any instance	Consider criminal prosecution. If not, judicial action.
Exceeding interim effluent limits	Outside permittee's control (e.g., upset or bypass)	Contact permittee and require proof of good and valid cause.
	No known harm	NOV, CAS, CO, or judicial action.
	Known harm	Judicial action.
Failure to meet interim whole effluent toxicity testing limits	Isolated or infrequent with no known harm	NOV, CAS, amend CO.
	Isolated or infrequent with harm	Judicial action.
	Continued violation with or without harm	CO or judicial action (TRO).
Pretreatment Program (State Control): Industrial Users		
Failure to submit baseline monitoring reports or other required pretreatment reports or plans.	Isolated or infrequent	Phone call, noncompliance letter, NOV, or CAS.
	Continued	NOV, CAS, CO, or judicial action.
Failure to sample or analyze or to properly sample or analyze as required, including resampling	Isolated or infrequent	NOV, CAS, or CO.
	Frequent or continued	CAS, CO, or judicial action.
Reporting false information	Any instance	Consider criminal prosecution. If not, judicial action.
Failure to submit notice of slug loading or 24-hour report required by 40 CFR §403.12, adopted by reference at IDAPA 58.01.25.003.02.x	Single incident	NOV, CAS, or CO.
	Multiple incidents	Consider criminal prosecution. If not, judicial action.
Failure to maintain and have records available	Isolated or infrequent	NOV.
	Frequent or continued	CAS, CO, or judicial action.
Failure to meet schedule requirements	Violation due to act of God, strike, flood, or materials shortage or other events over which the permittee has little or no control and for which there is no reasonably available remedy (force majeure)	If not already provided, contact user and require documentation of good and valid cause and date and schedule for compliance.
	Missed interim date but will not affect meeting final date	Phone call, noncompliance letter, or NOV.
	Missed final date by less than 90 days	Noncompliance letter, NOV, or CAS.
	Missed final date by 90 days or more for no good or valid cause.	CO or judicial action.

Noncompliance	Circumstances	Range of Response ^a
Pretreatment Program (State Control): Industrial Users (cont.)		
Violation of general standards, categorical standards, or local limits (including no treatment installed)	Minor or infrequent with no known harm.	Phone call, noncompliance letter, NOV, CAS, or CO.
	Frequent violations or known harm	NOV, CAS, or judicial action.
	Causes interference or pass through	Consider criminal prosecution. If not, NOV, CAS, CO, or judicial action (including injunction).
Discharge of slug load	Any discharge with timely notification	NOV or CAS.
	Any discharge without timely notification	CO or judicial action (including TRO).
Pretreatment Program: POTW Implementation		
Nonsubmittal of required pretreatment reports	Within 30 days of date required in approved program	Noncompliance letter, CAS, or CO.
	Continued nonsubmittal after notification	NOV, CAS, or judicial action.
Violation of any requirement of an approved pretreatment program, pretreatment regulation, or IPDES permit	Minor or infrequent	NOV, CAS, or CO.
Pretreatment Program: Violations by POTWs		
Failure to establish significant industrial user (SIU) control mechanism after program approval, as required	Within 6 months of program approval	Noncompliance letter.
	Continued violation after notification	NOV, CAS, CO, or judicial action.
Failure to issue a new control mechanism or reissue a control mechanism to an industrial user (UI) on a timely basis	Within 90 days of date required in approved program	Noncompliance letter.
	Continued violation after notification	NOV, CAS, CO, or judicial action.
Failure to perform at least 80% of required inspections	Continued	NOV, CAS, CO, or judicial action.
Failure to establish and enforce SIU self-monitoring requirement, as required	Isolated or infrequent	Phone call, noncompliance letter, or NOV.
	Continued	CAS, CO, or judicial action.
Failure to appropriately enforce pretreatment standards (categorical standards, and local limits, including BMPs, and pretreatment requirements)	Isolated or infrequent	Phone call, noncompliance letter, or NOV.
	Continued non-enforcement against one or more SIUs	CAS, CO, or judicial action.
Failure to enforce against instances of pass through or interference, and any permit conditions (such as monitoring, record keeping, reporting, or notification of hazardous waste discharge.)	Any instance	CO or judicial action.
Failure to publish list of significant violators, as required by 40 CFR §403.8(f)(2)(viii), adopted by reference at IDAPA 58.01.25.003.02.x	Within 30 days of date required in approved program	Noncompliance letter .
	Continued violation	NOV, CAS, CO, or judicial action.

Noncompliance	Circumstances	Range of Response ^a
Pretreatment Program: Major Violations by POTWs (cont.)		
Failure to comply with compliance schedule	Milestone missed by less than 90 days	Noncompliance letter.
	Milestone missed by 90 days or more	NOV, CAS, CO, or judicial action.
Failure to maintain and update user inventory	Continued violation	NOV, CAS, CO, or judicial.
Failure to investigate instances of reported or alleged noncompliance by industrial users	Isolated or infrequent and no known harm	Noncompliance letter.
	Continued violation or single violation with known harm	NOV, CAS, CO, or judicial action.
Pretreatment Program: Obtaining Approval		
Failure to submit an approvable program	First occurrence and 90 days or more outstanding with no good or valid cause	Noncompliance letter, CAS, CO, or judicial action.
	Continued violation	NOV or judicial action.

^a DEQ reserves the right to exercise enforcement discretion in response to an IPDES Program violation, including its right to depart from the approach set out in this Enforcement Response Guide, if circumstances warrant such departure.

^b If the compliance schedule is established by a judicial order, the violation should be brought to the attention of the program manager and legal counsel to determine whether the court should be notified. DEQ may not excuse or allow a violation of a court order without court approval.

^c Judicial action includes those civil and criminal remedies DEQ may pursue in district court (sections 4.4.2 and 4.4.3).

^d The enforcement response chosen for missed final dates must be consistent with national EPA policy provisions for achieving a particular level of treatment.

Appendix I. Section 6 of Enforcement Procedures Manual

This page intentionally left blank for correct double-sided printing.

SECTION 6

6.1 CRIMINAL ENFORCEMENT ACTIONS

Statutory authority for the Idaho Department of Environmental Quality (DEQ) to initiate criminal enforcement actions is found in both the Environmental Protection and Health Act (EPHA) at Idaho Code §39-117 and the Hazardous Waste Management Act (HWMA) at Idaho Code §39-4415. Stated broadly, these statutes provide that a person is guilty of a misdemeanor punishable by a fine or, under certain circumstances, imprisonment if he or she does any of the following:

- Negligently, knowingly, and/or willfully violates the environmental protection laws or the terms of any lawful notice, order, permit, standard, rule, or regulation issued pursuant to an environmental protection law
- Knowingly makes any false statement or representation in any application, label, manifest, record, report, permit, or other document filed, maintained, or used to comply with the provisions of the HWMA, or any Idaho Pollution Discharge Elimination System (IPDES) standard, limit, permit, or filing requirement

Special provision is made relating to air quality violations that knowingly result in the release of a federal hazardous air pollutant where such a release will “place another person in imminent and substantial danger of death or serious bodily injury.” In such circumstances, the penalties are \$250,000 per day, imprisonment of not more than 15 years, or both. Corporations committing such violations can be fined up to \$1 million per violation.

In addition, a number of the federal environmental statutes enforceable by the US Environmental Protection Agency (EPA) and the US Department of Justice make certain environmental violations felonies. A person committing a criminal violation of an environmental protection law may also have committed other crimes such as wire fraud, conspiracy, or creating a public nuisance.

Depending on the circumstance, therefore, environmental crimes committed in Idaho may be prosecuted by (1) the Idaho Attorney General, (2) Idaho Department of Law Enforcement, (3) county prosecutors’ offices, (4) United States Attorney's Office, District of Idaho, (5) DEQ, and (6) US Environmental Protection Agency, Criminal Investigations Division (EPA CID).

Decisions related to the role of DEQ and DEQ personnel in environmental crimes are vested in the DEQ director. This policy is intended to advise staff on how to proceed when confronted with information indicating a possible criminal violation.

6.2 ROLES AND RESPONSIBILITIES

DEQ Staff: DEQ does not have designated criminal investigators. DEQ inspectors and staff are to perform their duties as set forth in the remainder of this manual and in accordance with inspection protocols established by DEQ.

Idaho Office of the Attorney General: The DEQ director and the Office of the Attorney General, Environmental Quality Section, have designated a deputy attorney general criminal liaison (DAG criminal liaison) for purposes of establishing a single point of contact for legal

consultation and communication related to criminal matters. The role of the DAG criminal liaison is to communicate and coordinate with EPA CID, the US Attorney's Office, and the Idaho Department of Law Enforcement concerning potential criminal cases. The DAG criminal liaison is also the principal advisor to the DEQ director and staff concerning the investigation and prosecution of criminal cases by DEQ. The current DAG criminal liaison is:

Darrell G. Early, DAG
 Office: (208) 373-0105
 Cell: (208) 954-2900

In the absence or unavailability of the DAG criminal liaison, the section chief shall be the point of contact. The DEQ Office of the Attorney General's section chief is:

Douglas M. Conde, DAG
 Office: (208) 373-0453
 Cell: (208) 841-5633

In the absence or unavailability of either of the above individuals, the Office of the Attorney General assistant should be contacted at (208) 373-0494 and the matter will be routed to a DAG for assistance.

EPA Criminal Investigations Division: The CID is the section of the EPA that investigates criminal violations for the majority of federal environmental regulations in Idaho. The EPA CID is a full Title 18 federal law enforcement agency with the power to investigate all criminal acts, both environmental and non-environmental. Idaho currently has two resident agents of EPA CID based in Boise:

Darren Muggleston
 Resident Agent in Charge
 U.S. Environmental Protection Agency
 Criminal Investigations Division
 950 W. Bannock Street, Suite 900
 Boise, ID 83702
 Office: (208) 378-6515
 Cell: (208) 215-5924

Marc Callaghan
 Special Agent
 U.S. Environmental Protection Agency
 Criminal Investigations Division
 950 W. Bannock Street, Suite 900
 Boise, ID 83702
 Office: (208) 378-6516
 Cell: (503) 318-1858

6.2.1 PURSUIT OF CRIMINAL ENFORCEMENT IN IDAHO

Generally, criminal enforcement whether by the federal government or by Idaho is reserved for only the most grievous violations of environmental statutes, regulations, and rules. Candidate criminal cases may be distinguished from civil actions by the greater magnitude of harm, willfulness, negligence, and/or fraud and deceit. In Idaho, state law criminal environmental enforcement actions are quite rare. Typically, cases qualifying for potential criminal prosecution are referred to the EPA CID and United States Attorney's Office.

The decision as to whether criminal or civil proceedings should be pursued by Idaho or referred to the EPA CID will be made by the DEQ director in consultation with the Office of the Attorney General, division administrator, enforcement coordinator, regional administrator, program manager and regional manager.

6.2.2 Field Investigation of Possible Criminal Violations and Notification

DEQ does not have dedicated criminal investigators. When an investigator or other DEQ personnel become aware of conduct they believe should be referred for criminal investigation and/or prosecution, the following steps should be taken.

1. **Public Health, Safety, and Personal Security:** DEQ field staff shall first address any emergency situations posing imminent danger to public health and safety by notifying appropriate emergency response officials. If the situation poses a threat to personal security, the field staff should take appropriate steps to remove themselves from any such situation and notify their supervisor.
2. **Evidence Collection and Scene Security:** In circumstances not posing immediate threat to public health or personal security and in conformity with DEQ's property access authorities and investigation and sampling protocols, field staff should properly collect any physical evidence, including photographs and samples, and conduct witness interviews.

In circumstances where consent to search or inspect has been denied and where evidence could be destroyed prior to collection, the field staff should either remain on the premises to observe while a warrant or necessary equipment is obtained or undertake to secure the scene by contacting local law enforcement and having them secure the area prior to departure. At no time, however, should the field staff place themselves at risk. If no alternative exists but to leave the scene unsecured, field staff should document the scene condition as best as possible by recording field notes and taking photographs prior to leaving.

6.2.3 Notification Process and Referral to EPA CID

The following procedures should be followed unless emergency or urgent circumstances require immediate notification of EPA CID or other law enforcement personnel:

1. **Notify DEQ Management:** DEQ field staff shall, as soon as practical after becoming aware of factors indicating possible criminal conduct, contact their supervisor and the appropriate regional administrator (RA) or division administrator (DA) and program manager and advise of the circumstances and evidence relating to possible criminal violations.
 2. **Notify Office of the Attorney General:** As soon as practical thereafter, the RA or DA should notify the DAG criminal liaison and attempt to connect the DAG criminal liaison or the section chief to a call with the field staff. The RA, DA, and/or field staff shall advise the DAG of all facts and circumstances, including evidence collection and preservation undertaken to that point.
 3. **Notify DEQ Director:** As promptly as possible and if appropriate in the determination of the DAG, the RA and appropriate DA shall consult with the DEQ director or deputy director to determine appropriate steps to be taken, including whether to notify EPA CID.
 4. **Notify EPA CID:** If deemed appropriate by the director or deputy director, the DAG criminal liaison shall promptly notify EPA CID or other criminal case contacts.
-

- a. If the director or deputy director is unavailable, it shall be the decision of the appropriate DA in consultation with the DAG criminal liaison to determine whether EPA CID should be notified.
- b. In circumstances where intermediate managers and/or the DAG cannot be contacted, field staff may contact the DEQ director and/or EPA CID directly. However, field investigators should attempt direct contact only when in their judgment circumstances require immediate action.

6.2.4 Notification of Contacts with EPA CID

In certain cases, EPA CID or other criminal law enforcement agencies may initiate direct contact with DEQ staff. This may include being on scene during an emergency response action or an inspection or by telephone contact or office visit. In such circumstances, staff are to share information openly, answer any questions truthfully, and provide any assistance they deem appropriate under the circumstances. As soon as possible, staff shall notify their respective RA or DA, the program manager, and the DAG criminal liaison and provide a summary of the contact, including whether EPA CID has asked for additional information or further assistance.

6.3 DETERMINATION TO PROCEED WITH STATE CRIMINAL PROCEEDINGS

The determination of whether to initiate a criminal prosecution is vested with the DEQ director in consultation with the Office of the Attorney General. Criminal prosecutions, warning letters, or threats of criminal prosecution shall not be initiated without approval by the director or deputy director.

As noted previously, it is the general presumption that matters significant enough to warrant criminal prosecution will be referred to EPA CID and the US Department of Justice. Factors the director will consider in determining whether the state should initiate prosecution may include the following:

- Criminal prosecution is declined by EPA CID and/or the US Department of Justice
- The acts do not constitute a crime under federal law
- Opinion of the DAG criminal liaison that the case constitutes a state crime
- Significant potential environmental harm or threat to human health
- An identifiable defendant or defendants
- Bad faith conduct by the defendant including
 - Deceit
 - Fraud
 - Intent to conceal
 - Flagrant disregard for legal requirements or DEQ directives
- A comparison of the relative goals of the agency as achieved through civil or administrative enforcement

6.4 PARALLEL CRIMINAL AND CIVIL ENVIRONMENTAL ENFORCEMENT ACTIONS

In some situations, it may be appropriate to pursue both a civil or administrative environmental enforcement action and a criminal action based on the same set of facts. A case-by-case decision must be made by the DEQ director in consultation with the Office of the Attorney General

whether it is better to pursue the two types of proceedings concurrently or to suspend prosecution of one proceeding (usually the civil one) pending completion of the other case.
