

# User's Guide to Permitting and Compliance (Working Outline)

## Volume 1: Introduction to Water Quality Permitting

- ✓ Contents applicable to all permits
- Complete guidance by September 1, 2016

### 1 Introduction—Overview of the Idaho Pollutant Discharge Elimination System Program

- ✓ Scope, purpose, and objectives
- ✓ Web-based access to information
- ✓ Legislative and regulatory citations
- ✓ Hyperlinks

### 2 Clean Water Act History and IPDES Program

- ✓ Affordability, US Environmental Protection Agency (EPA) 2011 Integrated Planning (~~moved to Section 3~~)
- ✓ History of water pollution control in the U.S.
- ✓ Evolution of the NPDES program
- ✓ IPDES program development

### 3 Permit Description by Type and Sector

- ✓ Differentiate between general permits (GPs), individual permits (IPs), and sectors
  - ✓ Describe why there are different types of permits
  - ✓ Listing of what permitting options are available
  - ✓ Define each sector
  - ✓ Examples of facilities/projects that pertain to different permits
  - ✓ Major and minor facility designation
  - ✓ Affordability and integrated planning guidance
- ✓ Fee Schedules
  - ✓ Explanation of how fees pertain to each sector (e.g., municipal separate storm sewer systems [MS4s], publicly owned treatment works [POTWs] and equivalent dwelling units [EDUs])
  - ✓ Fee assessment and payment
  - ✓ Delinquent fees

## 4 Individual Permit Application Process

- ✓ Procedures applicable to all individual permits
  - ✓ Application content for individual permits
    - ✓ Permit process flowchart
    - ✓ General permitting process for all individual permit types (general description of process, with sector-specific details in Volume 2)
  - ✓ Preapplication meeting
    - ✓ Information applicants should bring to meeting, etc.
    - ✓ Identify all of the application requirements for a complete application
    - ✓ Help applicant select appropriate permit type (e.g. GP or IP) and sector
    - ✓ Help applicant identify other non-IPDES permit options (e.g. underground injection, reuse)
  - ~~✓ Affordability (moved to Section 3)~~
    - ✓ Reference 1995 interim guidance
    - ✓ States have ability to develop own guidance
- ✓ Applying for and obtaining a permit
  - ✓ Submit application
    - ✓ What constitutes a complete application?
    - ✓ Who must submit an application
    - ✓ Owner and operator information
    - ✓ Facility/activity location description
    - ✓ Outfall description
    - ✓ Description of receiving waters
    - ✓ Compliance with permit prohibitions
    - ✓ What testing/analysis is required before applying for a permit?
    - ✓ Procedure for new vs. renewal (e.g. no renewal form for MS4s, letter for ground water remediation) (Volume 2)
  - ✓ Timeline for submittal
    - ✓ Potential > 180-day requirement
    - ✓ Online application versus hard copy submittal
  - ✓ Application completeness
    - ✓ Prioritizing completeness determinations
  - ✓ Technical (Permitting) assistance

## 5 Individual Permit Development Process

- ✓ Development of Draft Permit Conditions and Fact Sheet Applicable to All Individual Permits
  - ✓ Cover page
    - ✓ Facility/permittee
    - ✓ Receiving water body
    - ✓ Outfall locations
    - ✓ Effective date, reapplication date, issuance date, expiration date
    - ✓ Signatures
  - ✓ Schedule of submissions
  - ✓ Applicability

- ✓ Permit area/processes
- ✓ Discharges authorized
- ✓ Facility/process information
- ✓ Receiving water and effluent characterization
  - ✓ Designated beneficial uses
  - ✓ Receiving water body support status
  - ✓ Mixing zones
  - ✓ Antidegradation analysis
  - ✓ Receiving water body monitoring
    - ✓ Surface water monitoring locations and access agreements (~~upstream vs. downstream~~ receiving water and effluent)
    - ✓ Monitoring location specified in permit by DEQ
    - ✓ Permittee must secure access agreements; lack of access agreements does not relieve permittee of obligation to monitor
    - ✓ Evaluation (identify applicable standards) of downstream water quality
    - ✓ Identify pollutants of concern, receiving water quality, beneficial uses, TMDLs
- ✓ Effluent limits and monitoring requirements
  - ✓ RPE's, annual local limits assessments (e.g., 12 municipalities w/pretreatment)...keep general, but details to be included in other/subsequent guidance (~~perhaps appendix, worksheet, etc.~~) (Effluent Limit Guidance)
  - ✓ Limits per outfall/area
  - ✓ Effluent monitoring
- ✓ Special Permit conditions
  - ✓ Compliance schedules and interim effluent limits
  - ✓ Operation and maintenance plan
  - ✓ Quality assurance project plan (QAPP)
    - ✓ ~~Design~~
    - ✓ ~~Chain of custody~~
    - ✓ EPA guidance (EPA/QA/R-5; EPA-QA/G-5)
- ✓ ~~Control of undesirable pollutants and industrial users~~ (sector specific – to Volume 2)
  - ✓ Pretreatment
  - ✓ Emergency response plans and public notification
- ✓ Intake credits (general)
- ✓ Variances and waivers (specifics in Section 8 and Volume 2)
  - ✓ ~~Terms and conditions in permits~~(specifics in Section 8 and Volume 2)
  - ✓ ~~Affordability~~(specifics in Section 8 and Volume 2)
- ✓ General monitoring and reporting requirements (e.g., schedules and frequency)
  - ✓ Monitoring/reporting requirements
    - ✓ Representative sampling
      - ✓ Reporting of monitoring results
      - ✓ Report at least annually (e.g., monthly, quarterly, or annual)
      - ✓ Must report all data collected using approved methods (even if more frequent than required)
      - ✓ NetDMR or other
      - ✓ Reporting deadlines

- ✓ Noncompliance reporting
  - ✓ 24-hour noncompliance reporting (e.g., upset, bypass, overflow)
  - ✓ 5-day noncompliance reporting
  - ✓ Other noncompliance reporting
  - ✓ Public notification
  - ✓ Reporting DMRs, annual reports, compliance schedules, etc.
  - ✓ ~~Notice of new introduction of toxic pollutants~~ (sector specific – Volume 2)
- ✓ Minimum levels (ML) and method detection limits (MDL), reporting levels
  - ✓ What to do when reporting limit is higher than the calculated permit limit?
  - ✓ ~~Draft TV permits with 14 parameters that don't have calibration curves~~ (Effluent Limit Guidance)
- ✓ ~~Quality assurance for particular samples...policies related to quality assurance protocols (Tom), QA/QC, cross contamination, etc. (e.g., Phthalates)~~ (part of the QAPP – not to be described in User's Guide)
- ✓ Monitoring nonregulated constituents (required monitoring for pollutants without effluent limits; monitoring chemical characteristics of receiving water—e.g., hardness). For example, calculations for BLM. (Effluent Limit Guidance and possibly Volume 2)
- ✓ Specify all data requirements in the permit (e.g., accelerated monitoring)
  - ✓ Monitoring procedures (e.g., 40 CFR 136)
  - ✓ Record contents and retention
- ✓ Compliance responsibilities (of permittees). Standards consistent with federal regulations, but maintain flexibility (specific language will be in the permit templates). (generally addressed)
  - ✓ Duty to Comply
  - ✓ Penalties for violations of permit conditions (e.g., civil, administrative, and criminal)
  - ✓ Need to halt or reduce activity not a defense
  - ✓ Duty to mitigate
  - ✓ Proper operation and maintenance – some discretion on how the states implement and use specific language. Current EPA language is prescriptive and can lead to problems (e.g. not having to run all equipment when still able to meet limits).
  - ✓ Bypass of treatment facilities
  - ✓ Upset conditions (discretion in regards to implementing provisions)
  - ✓ Toxic pollutants
  - ✓ Planned changes
  - ✓ Anticipated noncompliance
  - ✓ Reopener
- ✓ General provisions (generally addressed)
  - ✓ Permit actions
  - ✓ Duty to reapply
  - ✓ Duty to provide information
  - ✓ Other information
  - ✓ Signatory requirements
  - ✓ Availability of reports
  - ✓ Inspection and entry
  - ✓ Property rights

- ✓ Transfers
- ✓ State laws
- ✓ ~~Definitions~~ (Glossary)
- ✓ Permittee and public participation (reference “Public Participation” guidance)
  - ✓ Working with permittee on development and review of permit and fact sheet
    - ✓ Coordination and preview of data, effluent limits, monitoring, and reporting requirements (prior to pre-draft evaluation)
  - ✓ Predraft permit review and notice (reference “Public Participation” guidance)
    - ✓ Applicant – 10 days for omissions and errors
    - ✓ Public – early notice that draft permit/fact sheet will be released
  - ✓ Public comment (reference “Public Participation” guidance)
    - ✓ Public comment period
    - ✓ Public meetings
  - ✓ EPA review (much will be in memorandum of agreement [MOA]) reference MOA;
  - ✓ Comments to permit from downstream states (e.g., OR, WA, UT), international (e.g., Canada), tribes
  - ✓ ~~ESA~~ issues Other federal and state agency review (e.g., public comment; MOA between services and EPA) (reference rules; add to Section 5.3)
  - ✓ State Historic Preservation Office (SHPO) issues (public comment)
- ✓ Proposed permit
  - ✓ Applicant response to comment
  - ✓ EPA review
  - ✓ Substantial changes to draft permit
- ✓ Issue final permit
  - ✓ Applicant notification
  - ✓ Public notification
- ✓ ~~Appeals~~ (section 11)

## 6 General Permit Development Process

- ✓ General permit development process (e.g., insert headings from Section 5)
  - ✓ Figure presenting GP development process (similar to figure for IPs)
- ✓ Discuss differences in general permits (e.g. some may have consistent limits, other may have unique limits, etc.).
  - ✓ GPs where there are TMDL requirements (could be waterbody specific)
    - ✓ Pollutants of concern or type of activity
  - ✓ Notification to public/permittees of pending GP creation (e.g., issued via electronic formats and/or hard copy)
    - ✓ Pre-draft notification
- ✓ Develop draft permit and fact sheet
  - ✓ Cover page
  - ✓ Schedule of submissions
  - ✓ Permit Coverage (discharge authorization)
  - ✓ Development of effluent limitations
    - ✓ Technology-based effluent limitations and standards

- ✓ Determine applicable water quality standards
- ✓ Effluent and receiving water characterization
- ✓ Identify pollutants of concern
- ✓ Identify critical conditions of the discharge and receiving water
- ✓ Identify mixing zone applicability
- ✓ Determine need for water quality-based effluent limitations
- ✓ Calculating water quality-based effluent limitations
- ✓ Intake credits (sector specific in Volume 2)
- ✓ Effluent limitations for thermal discharges (sector specific in Volume 2)
- ✓ Determining final effluent limitations and anti-backsliding
- ✓ Monitoring and reporting requirements
- ✓ Special conditions
  - ✓ Additional monitoring and special studies
  - ✓ Best management practices
  - ✓ Compliance schedules
- ✓ Conditions applicable to all permits
- ✓ Permit coverage denial
- ✓ Permittee and public participation on the draft permit
  - ✓ Working with permittees (stakeholders) on development of permit and fact sheet
    - ✓ Formalized, open public process to develop permit
- ✓ DEQ coordinate with EPA regarding permits, including national permits. Complete determination (NOI)? Complete Application NOI?
- ✓ Upon reissuance, consider conditions, and incorporating into new permit (current permittees still have to submit an NOI prior to the GP expiration).
  - ~~EPA high priority to review state's general permits, evaluate consistency between national and state permit (this is an EPA action)~~
- ✓ Proposed permit
- ✓ Issue final permit
  - ✓ How the state deals with reissuing a general permit (to itself)?
- ✓ Notice of intent (NOI) submittal process and content for general permits
  - ✓ Public notification of NOIs (generally addressed – sector-specific Aquaculture vs. CGP vs. GWGRP, etc. in Volume 2)
  - ✓ **No** public opportunity to review and comment on NOIs (e.g. GWGRP).
  - ✓ State cannot issue new NOIs for administratively continued GPs, would have to issue individual permits
  - ✓ How to address SWPPs etc.
- ✓ Permittee and public participation
  - ✓ Public comment period
    - ✓ Stakeholder involvement prior to the release of a draft permit.
    - ✓ Public meeting (e.g., forum—online or in person) and response to comment
    - ✓ EPA review
    - ✓ Refer to what is in the MOA (the review time may be different that for IPs)
    - ✓ ~~ESA issues~~ Other federal and state agency review (e.g. public comment; MOA between services and EPA)
    - ✓ SHPO issues (public comment)

- ✓ ~~Appeals of General Permits—rationale for the process (e.g. is the state process mirroring the federal process?) (section 11)~~
- ✓ ~~How is an “affected person” defined? (section 11)~~

## 7 Permit Modification, Revocation, Reissuance, Termination, and Transfer

- Modification, or revocation and reissuance of permits
- Temporary Inactivation/reactivation of permits (e.g., aquaculture maybe Volume 2)
- Permit transfer
- Termination of permits (guidance needs to be detailed)

## 8 Variances

- Terms and conditions in permits (more specifics in Volume 2)
- Affordability (more specifics in Volume 2)
  - Interim Economic Guidance for Water Quality Standards (EPA 1995)

## 9 Compliance and Inspection

- Procedures applicable to all permits
- Compliance monitoring and reporting
  - Record keeping
  - Discharge monitoring reports (DMRs)
  - Annual reports (submit directly to DEQ – Not NetDMR)
  - Notification types (e.g., letter versus phone, formal and informal)
  - Mechanism for correction of inaccurate exceedance data (e.g., in Enforcement and Compliance History Online [ECHO] and IPDES Compliance, Reporting, Inspection, and Permitting System [CRIPS]—*report error* type of button)
- Inspection process
  - Offsite record review
  - Deficiencies
  - Postinspection correspondence (i.e., notification of compliance/noncompliance)
  - Corrective actions
  - Quality assurance project plan (QAPP)
    - Design
    - Chain of custody
- Sampling, flow measurements, lab accreditation/procedures, and QA sampling (DEQ and permittee), flow measurements, laboratory accreditation/procedures private and public (e.g., Idaho Bureau of Laboratories), and quality assurance
- Investigations and citizen complaints
- Multimedia inspections (where facility has multiple state-issued permits)

## **10 Enforcement (This will only be in Volume 1; applies to all)**

- Types of enforcement actions
  - Notice of violation (NOV)
  - Consent order
  - Compliance agreement schedule
- Compliance assistance (e.g., construction GP and local communities/jurisdictions)
- Supplemental environmental projects
- Public participation

## **11 Appeals Process**

- Appeals
- Appeals of general permits
  - Rationale for the process (e.g. is the state process mirroring the federal process?)
  - How is “affected person” defined?
- Citizen action (from “Public Participation” guidance)

## **Glossary**

## **Index**

- By sector (e.g., crosswalk)

## **Appendices**

- 2016 NPDES Permits in Idaho
- IPDES Permit Rating Work Sheet
- Outline of IPDES Individual Permit Development and Issuance Process
- Outline of IPDES General Permit Development and Issuance Process
- Endnotes: IDAPA and CFR References