

X. FY 03/04 PPA WORKPLAN

* refers to work that is supplemented with funds outside the PPG.

Level of effort funded by PPG does not include pass-through funds

ACWA DATA COLLECTION AND ASSESSMENT

Workplan Component I: Water Quality Management Planning, Assessment and Monitoring

Level of effort funded by PPG 14.5 FTE \$2,153.3

Objective: Use the Alaska Clean Water Actions as a roadmap for uniting public and private efforts to protect and restore Alaska's water resources. It will identify and prioritize all water quality work, specifically stewardship, protection, and restoration. Identify areas for improved collaboration among agencies and institutions that have expertise in water quality and habitat protection, restoration, education and research.

| Outcome | DEC Tasks/Activities | EPA Tasks/Activities | Measures/Completion Date |
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| 1. State resources are spent on the highest priority programs and waterbodies. (DEC - Foley, EPA - Kellogg) | A. Identify the State's highest priority water and aquatic habitat needs by completing the development of ACWA. Complete development of ACWA categories, ranking process. | EPA support | ACWA categories and ranking process established by June 2003. Ongoing prioritization of work. |
| | B. Use ACWA priorities for data collection and assessment as a tool to seek funding from multiple sources to increase monitoring. | EPA consider ACWA priorities for third party funding decisions. | |
| | C. Provide technical assistance to sister state and federal agencies to help target their project funding to ACWA priorities. | | |
| 2. Informed consent on the part of public and stakeholders on ACWA waters category placement and ranking. (DEC Grant Klein/Outreach Coordinator, Foley, EPA - Gardner, Kellogg) | A. Seek community involvement in ACWA waters category placement and ranking (including 305(b) and 303(d). DEC expects that the ACWA outreach process will be fully developed and implemented in calendar year 2003. | EPA support | Ongoing; regular ACWA information solicitations. Local governments address the highest local priorities identified by ACWA. |

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| <p>3. Alaska meets its Clean Water Act reporting requirements. (DEC - Grant, EPA - Pimentel & Gardner)</p> | <p>A. Complete integrated 305(b) report and 303(d) list, submit to EPA by October 1, 2002.</p> | <p>EPA, where possible provides water quality assessment information (tribal and other EPA funded assessment projects) and feedback on proposed integrated report and 303(d) listing and delisting decisions which need to be considered, prior to DEC issuing draft and final lists. EPA action within 30 days of receipt. EPA will notify DEC of potential areas of disagreement in advance of a final decision to allow senior management elevation if necessary.</p> | <p>Integrated report submitted to EPA by 10/02</p> |
| <p>Integrate ACWA policies with EPA Reporting Requirements, to ensure a single source of water information and priorities is established.</p> | <p>A. Modify the ACWA decision tree and ranking process as necessary to enable integration of ACWA policies into the Consolidated Assessment and Listing Methodology (CALM).</p> | | <p>Proposed changes are provided to sister agencies for coordination by April 31, 2003</p> |
| | <p>B. Establish a single data management system that tracks the status of waterbodies, identifies the necessary next steps for each waterbody, ranks them for further activities, and allows access for real-time updates by multiple state resource agencies. Develop standard reports that support management decisions regarding annual state agency workplans; grants to third parties; and satisfies EPA reporting requirements.</p> | | <p>Recruit and hire necessary staff (Database Specialist I) to support expanded use of STORET and waterbody data, and to develop enhanced reporting. Establish contractual support for enhancements and testing as needed.</p> |

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| | C. Populate the data management system with known waterbody information, including water quantity or aquatic habitat concerns; complete ranking of the waterbodies, and identify necessary next steps for the waterbodies. | | 50% of waterbody information is populated into the database by June 30, 2004. |
| 4. Through monitoring and assessment, DEC has knowledge of and reports on the health of Alaska's waters. (DEC - Klein, EPA - Hayslip) | A. Develop a statewide surface water quality monitoring strategy. | EPA support | Draft Statewide Surface Water Quality Monitoring Strategy, December 2002. Final June 2003. |
| | B. Use ACWA priority ranking to target assessment activities by DEC and/or third parties. | Inform DEC of third party monitoring projects and where possible provide an opportunity for DEC input. | Ongoing. |
| 5. Up-to-date water quality data used in department regulatory actions (DEC - Klein, Keiser, Foley; EPA - Hayslip, Loiselle) | A. Integrate monitoring efforts and data storage across all DEC water programs (WW, NPS, & AWDM); train staff and provide desktop access to map-based data on water quality, permitted discharges, contamination, etc. | | Quarterly meetings/report of data management efforts. |
| | B. Pursue govt.-industry field studies addressing seafood wastes in Tongass Narrows, Cordova, and other areas, as funding permits; apply study results to future permitting actions.* | Facilitate EPA/Office of Science & Technology participation in the design of field studies and interpretation of results. EPA will use enforcement discretion to the maximum extent practical when evaluating Clean Water Act violations resulting from approved seafood grind studies. EPA will assist DEC and processors with potential request to change the EPA rule on effluent guidelines. | Interim & final project reports, as completed. Study results included in rationale for permitting decisions. |

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| | C. Manage contracts for priority data collection and assessment needs, as funding is available. | EPA informs DEC of funding opportunities | |
| | D. Continue support for water quality monitoring at the international border with Canada on the Taku River. | Continue to provide laboratory support for water quality analyses. This is an important transboundary issue with State Department and Governor involvement. | |
| 6. Facilitate citizen involvement, support, and stewardship for clean waters (DEC Klein/Guay, EPA - Hill, Kellogg.) | A. Support statewide citizens and tribal monitoring programs. | EPA support. Participate in statewide citizen monitoring discussions. | Ongoing. |
| | B. Provide consistent and long term training, equipment, sampling protocols & other assistance to local watershed groups for monitoring of local streams and lakes. | | Ongoing. |
| 7. Baseline information on the health of Alaska's coastal waters. (DEC - Klein/Guay, EPA - Edmonds) | A. Complete field work and final reporting for the first round of the Alaska Environmental Assessment and Monitoring Program (EMAP). * funded by a separate grant | Support DEC efforts to seek funding for additional years and to expand the coastline covered by EMAP baseline sampling to uncovered areas. | Final EMAP report by June 2004. |
| 8. Baseline information on the health of Alaska's inland waters. (DEC - Klein/Guay, EPA - Hayslip) | A. Develop project scope of work for REMAP. | Provide funding inland REMAP baseline sampling project. | |
| 9. Cost effective data gathering through partnerships. (DEC - Klein, EPA - Kellogg, Poston, Hayslip) | A. Coordinate DEC water quality monitoring and assessment activities with national and international oceans, pollution, and regional assessment programs (Gulf Environmental Monitoring (GEM), Bering Seas assessment etc.) | EPA inform DEC of federal coordination opportunities and facilitate DEC involvement. | |
| | B. Continue assessment of contaminants in fish that arises from unidentified sources.* | | Preliminary assessment of levels of Persistent Organic Pollutants in Fish tissues is completed by June 30, 2003. |

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| <p>10. The state's regulations and guidelines for the water quality standards are understandable, reasonable, scientifically defensible and accepted by the public and industry as being protective of designated uses. (DEC -Sonafrank; EPA - Brough)</p> | <p>A. Attend Region X WQS state coordinators meetings and issue-specific WQS meetings.</p> | <p>Annually organize Region X state WQS coordinators meeting and, as needed, issue-specific meetings (i.e. nutrient criteria).</p> | |
| | <p>B. Provide public notice and adopt regulation revisions to incorporate updated water quality criteria tables by December 2002. Update petroleum hydrocarbon testing methods required by WQS, and include in "tables" regulations packet.</p> | <p>Actively participate early in all WQS development processes to provide technical assistance and to address potential disapproval topics before the revisions are state-adopted. Take the lead in facilitating federal agencies early involvement for ESA/EFH reviews. Provide timely review/approval of state WQS per CWA statutory requirements.</p> | <p>At the beginning of each fiscal year, EPA and DEC will develop a schedule for EPA review and comment at agreed-upon intervals in DEC's regulation revision process. WQ criteria tables and hydrocarbon testing methods adopted by December, 2002. EPA will act on the revised WQS within 60 days of receipt from DEC.</p> |
| | <p>C. Initiate re-evaluation of TDS standards and toxicity measurement protocols based on bioassay model of effects of TDS on salmon by December 2002. Adopt TDS standards protective of spawning fish in Alaska's waters. (Sonafrank)</p> | <p>EPA support, review and approval. (Brough)</p> | <p>Proposed revisions to TDS standard by June 2003. Adopt changes by no later than completion of triennial review.</p> |

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| | <p>D. Adopt site specific criteria as necessary. Issue site-specific criteria (SSC) that is protective of spawning fish species as proposed standard for waterbodies affected by discharges from Red Dog Mine by January 2003. Adopt SSC into regulation by August 2003. (Sonafrank and Stambaugh) Provide technical assistance and review for Ward Cove SSC conceptual plan and development for marine DO criterion. (Sonafrank)</p> | <p>EPA review and adopt SSC into NPDES permit by August 2003. EPA review and take action within 60 days of receipt. SSC is used and implemented in NPDES permit when reviewed. (Brough) Provide access to EPA technical expertise on marine DO criteria and timely review of Ward Cove SSC conceptual plan. (Brough)</p> | <p>TDS site-specific criteria exceeding 1000 mg/l adopted into regulation by August 2003. Renewal of NPDES permit by August 2003. Review and comment on Ward Cove SSC conceptual plan by July 2003.</p> |
| | <p>E. Develop an Anti-Degradation Policy Implementation Plan that defines clear procedures and guidance to ensure the anti-degradation policy is enforced: draft options for Alaska implementation plan by December 2002; draft implementation plan for EPA review and public workshops by June 2003; adopt plan by December 2003 and assemble transmittal package. as part of Triennial Review. (Sonafrank)</p> | <p>EPA review, comment and take action within 60 days of receipt. EPA assistance in developing options for antidegradation implementation. Comment on public notice draft plan. Review final plan within 60 days of submittal.(Brough)</p> | <p>Anti-degradation implementation plan drafted by December 2002 and adopted by December 2003, as part of Triennial Review.</p> |
| | <p>F. With input from stakeholders, evaluate statewide impact (including costs of compliance) of lower arsenic standards identifying geographic regions with high background levels, before for arsenic standards implementation (estimated 2005). Compile available data and summarize in report. Develop educational and public outreach materials so the new standard is understood. (Sonafrank)</p> | <p>EPA support. (Taylor)</p> | <p>Report on issues and geographical impact of implementing the new arsenic standard with recommendations for mitigation, stakeholder involvement, and public education by June 2003.</p> |

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| | G. Draft nutrient criteria plan for Alaska by September 2002 and adopt by December 2002. The plan will focus on the Mat-Su area in the Cook Inlet ecoregion. (Sonafrank) | Provide DEC with information and include Alaska in Region 10 discussions. Review draft documents and approve final document. (Vaga) | Alaska nutrient criteria plan adopted by December 2002. Numeric criteria for Mat-Su area adopted by December 2004. Development of nutrient criteria subject to funding. |
| | H. Research and compare methods for more accurate measurement of free cyanide. Adopt most appropriate measure. (Sonafrank) | EPA provide information on measurement method adopted by Idaho and other states. (Brough) | Adopt with criteria tables by December 2002 or include with draft triennial revisions by June 2004. |
| | I. *Provide technical assistance to permittees, permit writers, consultants, and others regarding the application of WQS and EPA WQS in Indian Country if EPA adopts such standards. (205(j) funding) (Sonafrank) | Provide timely response to DEC inquiries. (Brough) | Ongoing. |
| | J. Begin triennial review of WQS by January 2003. Develop priorities for WQS revisions/additions based on input across all Water programs. Initial priorities to be assessed include residues, groundwater standards, arsenic drinking water criteria, petroleum hydrocarbons, treatment works and mixing zones. Schedule revision projects to assess topics in order of priority depending on available resources. Complete draft triennial revisions by June 2004. (Sonafrank) | EPA provide technical assistance and input, and informal review and comment. Take the lead in facilitating federal agencies early involvement for ESA/EFH reviews. Provide timely review/approval of state WQS per CWA statutory requirements. (Brough) | At the beginning of the fiscal year, EPA and DEC will develop a schedule for EPA review and comment at agreed-upon intervals in DEC's regulation revision process. Draft triennial revisions by June 2004. |
| | K. *Evaluate applicable groundwater standards and groundwater mixing zones in coordination with DEC Divisions of Spill Prevention and Response, Environmental Health and Statewide Public Services. (Sonafrank) | EPA review and comment. No approval authority for groundwater. (Parker) | Draft triennial revisions by June 2004. |

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| | Provide logistical support for WQS Academy in Alaska. (Sonafrank) | Bring WQS Academy to Alaska. | WQS Academy hel in Alaska by early June 2004. |
| 11. The state applies mixing zone and antidegradation policies in general permits. (DEC - Sonafrank, Slemons/Keiser, EPA - Brough) | A. Provide guidance on developing stipulation to implement mixing zone and anti-degradation policies into general permits. | EPA provide technical assistance and support. | Standard stipulations developed by December 2002. |
| 12. Beaches are safe for primary contact recreation use. (DEC - Sonafrank, EPA - Brough) | A. Review bacteriological criteria for recreational waters. Required steps and priority will be determined after completion of recreational beach survey. | EPA keep DEC informed on bacterial criteria issues. | Final Report on beach survey data and recommendations for developing bacteria contact criteria by December 2002. Included, as appropriate in the draft triennial standards June 2004. |
| 13. State and federal agency staff, stakeholders, and the public have accurate data to make informed decisions. All have a solid understanding of threats to water quality and support DEC and other state agencies actions under ACWA to protect and restore water resources. (DEC - Hock, EPA - Hayslip) | A. *Continue STORET implementation through establishing a permanent ORACLE server, integration of NPS grantee, EDAS, EMAP and non-water program data submission, DMR & ACWA data integration and development of mapping protocols for data reporting. | Provide in-state STORET training for potential users, provide technical support for establishing STORET on an ORACLE server and provide GIS technical support as appropriate. Make use of STORET a requirement of any EPA grants that include data collection. | Capability for AK NPS grantees to enter data into STORET available by 12/02. AK LEGACY STORET available online with mapping capability by 3/03. EDAS populates STORET by 6/03. Establish an ORACLE Server. |

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| | <p>B. *Continue to maintain the Assessment Database (ADB) for timely 305(b)/303(d) reporting purposes. Develop an ACWA database and the necessary linkages from the ADB to an ACWA database. Serve as a beta test Site for the new ORACLE version of ADB, including making software operational, migrating old data into new version, testing record development and reporting. (Hock)</p> | <p>Continue to support the State's ADB inquiries. Provide necessary technical support for establishing the beta version and incorporate the State's identified improvements the beta version of ADB. (Kellogg/Pimentel)</p> | <p>Ongoing maintenance and record updates for ADB. Develop an ACWA database by 6/03. Participate in Region 10 ADB training in Fall 2002. Contingent on release of ORACLE ADB version, establish ORACLE test environment, populate and test beta version of ADB by 6/03. Produce annual ACWA waters reports beginning 6/04.</p> |
| | <p>C. *Maintain the Cooperatively Implemented Information Management System (CIIMS) hardware and software, while continuing to expand its application statewide and developing new links to information repositories (Hock).</p> | <p>Provide DEC with information on EPA and other federal grants that deal with water quality within 30 days of grant award. Make use of CIIMMS a requirement of any EPA grants that includes data collection, so projects are entered into the Projects Database. (Kellogg)</p> | <p>Develop project mapping application by June 2003. System continuously operational.</p> |

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| | D .*DEC will contract with the US Bureau of Land Management in support of the completion of the National Hydrography Dataset (NHD) and creation of 5th & 6th order Hydrologic Unit Codes (HUC) for Alaska. DEC will be using the 1999 104(b)3 funds carried over into FY03. The NHD is currently underway, lead by US BLM as a three-year joint state-federal partnership, to complete a value-added enhancement to the national NHD at the 1:63,360 scale, including completion of the routing and LLID assignment to individual waterbodies, in combination with establishing 5th and 6th order HUC units. | EPA Support | The NHD and HUC work done under contract to DEC will be completed by September 30, 2002. Note: per a 104(b)3 revised grant application and workplan for SFY 03-04 dated, Sept. 16, 02, and subsequent EPA approval of Sept. 19, 02, the completion date for this was changed to December 31, 03. |
| | E. Develop and maintain Water Quality Programs web pages. | Provide links to TMDLs for the EPA Region 10 web page (Carlin). | Provide ongoing, timely and accurate updates and site maintenance to assure the public has efficient access to information. |
| 14. All sampling projects undertaken with state resources produce technically sound data. (DEC - Beelman; EPA - Woods) | A. Implement and maintain a water programs wide Quality Management Plan. Provide an annual summary report of QA activities performed, and assessment and reporting issues. | EPA will conduct a Systems Audit of the State's Water Program's QA activities once every three years. Revisions to the state's QMP will be reviewed as required and performed within 30 days of DEC submittal. | Submit annual QA report by June 30. |
| | B. Each Section will develop section-specific criteria/protocols and identify water quality data collection standard operating procedures to address technical data collection. | Review as part of revisions to QMP. | Protection and Restoration Section will complete by December 31, 2002. Wastewater permitting sections will complete by June 30, 2003. |

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| | C. Review and approve project specific quality assurance project plans. QA officer to provide training to Section staff to ensure appropriate QA procedures are being applied to each review. Final QA approval signed by project manager and QA officer. Transition responsibility for final QAPP approval to project manager by June 2004. QA officer to perform QA oversight on random 10% of each section's QA plan reviews. | Review and approve QMP revision specifying transition of project plan QA review to project managers. | Approved Quality Assurance Project Plans for all water quality monitoring projects. |
| | D. *Conduct field audits of 5% of the Water program's projects with QAPPs approved during the fiscal year. | | All problems identified by the audits are promptly corrected. Data to be tracked by the QA officer and included in the annual QA summary report submitted to EPA with end of year PPA report. |
| 15. An informed decision regarding state assumption of NPDES primacy from EPA. (DEC - Keiser, EPA - Robichaud) | A. Prepare an implementation plan for NPDES primacy to include statutory & regulatory changes, permitting procedures, conflict resolution with EPA, program cost estimates, and federal funding sources. A draft plan will be made available to the public, interest groups, and Alaska Legislature for review and comment. | Actively participate in the analysis and drafting of implementation plan. Provide timely review comments on the draft implementation plan. | Draft plan available for public review November, 2003. |

ACWA STEWARDSHIP

Workplan Component II: Permits and Control Mechanisms

Level of effort funded by PPG: 12.0 FTE \$1,327.7

Objective: Protect public health and the environment through effective state permitting that is based on sound technical and water quality principles and is risk-based in its approach.

| Outcome | DEC Tasks/Activities | EPA Tasks/Activities | Measures/Completion Date |
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| <p>1. The status of all wastewater, 404, and stormwater permits in the state is known. (DEC - Keiser, Foley; EPA - Robichaud)</p> | <p>A. Implement permit tracking data system, with desktop access for all DEC Water program permittees. Regularly update DEC/AWQ website with current permitting actions. Once permit tracking data system is fully operational, DEC will share permit data system records with EPA, as needed and upon request.</p> | <p>EPA website is updated as permits are issued to include all current individual and general permits. Current general permits as well as high-profile and major individual permits will be maintained online, whereas minor individual permits will be maintained online for approx. 12 months.</p> | <p>DEC management reports that describe categories of permits, permitting statistics, and future permit workload. If the permit data system is fully operational, a report will be available Jan 2003.</p> |
| <p>2. Construction projects cause minimal short-term and no long-term adverse water quality impacts to surface and groundwater. Installation and maintenance of approved facility features will protect adjacent surface and groundwater resources from surface runoff pollution originating within facility footprint. Permanent facilities' runoff does not cause water quality impairment. (DEC - Foley, EPA - Vakoc)</p> | <p>A. * On request, and as resources allow, provide technical assistance during pre-design review of construction and transportation projects to resolve potential water quality related problems early in the process.</p> | | <p>% of projects where DEC participates in pre-design phase at request of applicant. On-going.</p> |
| | <p>B * Review and approve stormwater pollution prevention plans (SWPPPs) that when implemented will provide effective water quality maintenance during construction activities for all new large projects greater than 5 acres, and for other projects as appropriate based upon ADEC certification of the reissued construction general permit.</p> | | <p># of SWPPPs received (estimate 60/year). # of SWPPPs reviewed (estimate 60/year). # of SWPPPs approved.</p> |

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| | C. * Complete a revised certification for EPA's reissued stormwater construction general permit that streamlines the DEC review/approval process. (1) Conduct several statewide teleconferences and one meeting w/ industry, cities, EPA representatives as part of GP certification development. (2) Complete final construction GP certification and submit to EPA. | Work cooperatively with DEC in permit development. | Phase II Construction GP including small projects in place by April 2003. Implementation through June 2004. |
| | D. Complete a revised certification for EPA's stormwater Multi-Sector General Permit (MSGP) modification that streamlines DEC's review/approval process. (1) conduct several statewide teleconferences and one meeting w/ industry, cities, EPA representative as part of the GP certification development. (2) Complete final MSGP certification and submit to EPA. | | Revised MSGP. Implemented through June 2004. |
| | E. *Complete a certification for EPA's new Phase II stormwater general permit for municipal separate storm sewer systems (MS4s) that incorporates DEC requirements as appropriate. (1) Conduct several statewide teleconferences and one meeting w/ industry, cities, EPA representatives as part of GP certification development. (2) Complete final MS4-GP certification and submit to EPA. | | Revised MS4. Implemented through June 2004. |
| | F. * Review and approve engineering plans for permanent post construction stormwater management as resources allow. Work is prioritized based on size of project (typically greater than 5 acres) whether discharge is to surface waters and proximity to surface waters. | | # of engineering plans received (estimate 50/year) # of reviews conducted (estimate 50/year). On-going. |

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| | G. * Review and approve Multi-Sector General Permit (MSGP) SWPPP submitted by regulated industries. | Work with DEC staff to provide updated MSGP database information on a quarterly basis, to ensure that State is reviewing all SWPPPs from all facilities applying to EPA for coverage. | # of SWPPPs received (estimate 200/year). # of SWPPPs reviewed. # of SWPPPs approved. |
| | H. * Screen Corps 404 projects against water quality criteria established to identify high priority projects that are reviewed because they have the greatest potential for water quality impact. | Work with the Corps to evaluate establishment of combined 404/stormwater general permits for construction activities. | # of Corp 404 activities reviewed against DEC's risk based criteria (estimate 190/year). |
| | I. * Issue, waive or deny 401 certifications for high priority Corps 404 projects. | Per MOU between EPA and Corps, continue oversight of 404 program including permitting and enforcement. | # of 401 certifications issued (estimate 75/year). # of 401 certifications waived (estimate 120/year). # of 401 certifications denied. |
| 3. All point-source discharge permits protect public health and the environment, and are based on sound science, technology and economics. (DEC - Keiser, EPA - Robichaud) | A. *Issue 40 state wastewater permits to facilities that pose a significant risk to public health or to the environment and are not permitted by EPA under the federal NPDES permit program. Coordinate with EPA (Robichaud) on inquiries received about the need for a wastewater permit; direct person to EPA for application; notify EPA via email with contact information. | Coordinate with DEC on inquiries received about the need for a wastewater permit. Provide timely notification via email to DEC (Stambaugh - Industrial; Wingerter - Domestic) about inquiry & EPA permitting action, with contact information. | DEC and EPA are fully informed of each agencies' permitting work. |

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| | B. *Coordinate with EPA and the applicant during the early stages of NPDES permit writing. DEC staff to notify EPA via email on permit processing delays. As needed, DEC will coordinate with the applicant in a pre-issuance conference prior to EPA delivery of the preliminary final permit to DEC. Certify EPA NPDES individual permits and general permits. Uphold certifications through adjudication, if required. Work with EPA to strengthen NOI language in new general permits. | EPA will coordinate with DEC in developing its annual list of permit assignments. EPA will coordinate with DEC in developing draft permits and strive for pre-certifications prior to public notice. EPA staff to notify DEC via email on permit processing delays. EPA's goal is to maintain its backlog of major permits below 10% and to strive to achieve a 10% backlog for all (major/minor) facilities by 2004. | DEC - decision on 100 % of NPDES individual and general permits (estimated at 10-15/year). DEC/EPA - semi-annual update of joint list of NPDES permits and staff contacts. |
| | C. *Coordinate with EPA and applicant early in authorization process. Make decisions on authorizing permittees to discharge under NPDES general permits; make decisions about concurrence with waivers requested under the seafood processing general permit. | Conduct pre-authorization coordination with DEC. Until permittees consistently send NOIs to DEC, EPA will fax or email NOIs to DEC as NOIs are received. EPA will email authorizations to DEC. | DEC - decision on 100% of NPDES general permit authorizations and waivers (estimated at 50/year). |
| | D. Explore opportunity for an additional general permits, possibly with site-specific provisions, that addresses EPA's requirements for a NPDES permit for domestic facilities with minor wastewater discharges . | Provide training/guidance, as appropriate. Coordinate with DEC on GP development; incorporate DEC's site specific provisions in new GPs; identify opportunities for agreements that foster partial delegation. | EPA - establish 4-2-3 new general permits with DEC-developed site specific provisions. |
| | E. * Authorize discharge at LTFs under the State's LTF GP | Authorize discharge at LTFs under EPA's LTF GP. | DEC and EPA authorize 30 per year. |

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| 4. Point-source discharge regulatory decision-making is efficient, consistent statewide, and targets efforts on activities that pose higher risk to public health and the environment. (DEC - Keiser; EPA - Robichaud) | A. Use permit tracking data system for online application and to automate standard permit conditions, where appropriate; focus staff efforts, in conjunction with EPA and applicant, on investigation and regulation of site-specific circumstances. | | Percentage of state permits which offer online applications; % of applicants who use online applications. |
| | B. Develop and implement streamlined state permit types with site-specific conditions. | Assist DEC by reviewing draft permits, with a longer-term view toward NPDES rules and eventual DEC primacy. | Number of different permit types and tools developed. Percentage of facilities permitted with new, streamlined state tools. |
| | C. Write staff guidance on portions of a "permitters handbook" (e.g., the permit process, QA & monitoring, billing, filing/record keeping, etc.) | Assist DEC by reviewing permit process section, with a longer-term view toward NPDES rules and eventual DEC primacy. | Draft four sections of handbook with staff "ground-truthing" and revisions by June 2003. Draft four additional sections by June 2004. |

Workplan Component III: Compliance Assistance

Level of effort funded by PPG: 5.5 FTE \$575.8

Objective: Implement risk-based compliance assistance for permitted facilities.

| Outcome | DEC Tasks/Activities | EPA Tasks/Activities | Measures/Completion Date |
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| 1. Wastewater discharge permitted facilities comply with permits and do not cause water quality violations. (DEC - Keiser, Klein/Beelman; EPA - Bub Loiselle) | A. * Review Discharge Monitoring Reports and follow up on permit exceedences; automate DMR submittal, review and recordkeeping through permit tracking data system. Conduct QA systems audit for selected DMRs. | Review DMRs and follow up on exceedences. Provide to DEC, upon request, the Quarterly Non-Compliance reports or facility-specific NPDES Compliance Evaluation Program reports. | DEC & EPA - % of DMRs reviewed annually. |

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| | <p>B. Coordinate pre-enforcement efforts with EPA to maximize timely resolution of non-compliance by the permittee; collaborate on a joint DEC-EPA list of staff assignments on quarterly annual basis via email; explore opportunities for further compliance cooperative efforts between DEC and EPA; provide to EPA a quarterly semi-annual list of permittees receiving compliance/technical assistance.</p> | <p>Coordinate pre-enforcement efforts with DEC to maximize timely resolution of non-compliance by the permittee; consider a state lead for dealing with Clean Water Act violations whenever it is clear that the State lead enforcement actions would be/will be the functional equivalent to EPA's enforcement action should they remain in the lead; explore opportunities for further compliance cooperative efforts between DEC and EPA.</p> | <p>DEC - once DMRs automated, the number of followup consultations with permittees and the number of NOV's or COBC's issued. Reduction in % of permitted facilities with DMR violations.</p> |
| | <p>C. * Inspect 25 priority-ranked state and NPDES permitted facilities to verify protection of human health and the environment. Once permit tracking data system inspection component is developed, automate the ranking of facilities for inspections. Coordinate with EPA on NPDES permitted facilities inspection schedule. Share with EPA the NPDES permitted facilities inspection list (with target dates & completion record) 2x/year (spring/fall). Provide to EPA timely inspection reports for NPDES permitted facilities.</p> | <p>Inspect 20 NPDES permitted facilities in FY03. Coordinate with DEC on NPDES inspection schedule. Share with DEC the NPDES inspection list (with target dates and completion record) 2x/year (spring/fall). Provide timely inspection reports to DEC.</p> | <p>No duplication of inspection effort, unless a permitted facility has been specifically identified by both agencies and multiple inspections are warranted. Once inspection record keeping is automated, % of inspected facilities that are substantially in compliance with permit terms.</p> |

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| | D. * Conduct wastewater and ambient sampling to verify compliance; include results in inspection report. Once permit tracking data system inspection component is developed, automate inspection results recordkeeping. | Conduct wastewater and ambient sampling to verify compliance; include results in inspection report. | Percentage inspected facilities where sampling is conducted. Once permit tracking data system inspection component is developed, % sampled that not causing an ambient WQ violation and % sampled not exceeding effluent limits. |
| | E. *Inspect at least 3 permitted LTFs/year for compliance with performance standards. Provide copies of inspection reports to EPA. | | % of inspected facilities that are in substantial compliance with performance standards. |
| | F. * Inspect 30 404 permitted and/or stormwater permitted construction projects during construction operations. | | % of facilities inspected that are in compliance with 404 and/or stormwater permits. |
| 2. Alaska citizens are "eyes and ears" on pollution-causing activities through efficient complaint response systems (AWDM, NPS, and WW staff). | A. Respond to water quality complaints that have a high potential to adversely affect public health or the environment. | Notify DEC via email of complaints received by EPA. | Number of complaint-initiated NPDES inspection reports. Number of water quality complaints associated with other permitted facilities addressed by DEC. |

Workplan Component IV: Waterbody Protection - NPS

Level of effort funded by PPG: 5.7 FTE \$1,886.2

Objective: Ensure protection of water quality from non-point sources of pollution by providing support to local governments, the public, the construction and timber industries and other industries or operations that may contribute to NPS pollution.

| Outcome | DEC Tasks/Activities | EPA Tasks/Activities | Measures/Completion Date |
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| 1. Alaska's waters are capable of supporting all designated uses. (DEC - Foley, EPA - to be announced) | A. Resolve remaining conditions in the Coastal Nonpoint Pollution Control Program (Section 6217) that are within the scope of the Water Quality Programs. | Work with ADEC and NOAA to resolve remaining conditions and promptly approve the program. | Fully approved program by June 30, 2003. |

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| | B. Finalize and distribute new harbor design manual developed through DEC funding to DOT | | Design manual completed and distributed to all harbor masters by September 30, 2003. Provide copies of inspection reports to EPA. |
| | C. Provide technical assistance to local watershed groups and education to the public about the effects of their behavior on water quality. | | |
| | D. Develop a model Watershed Restoration Action Strategy that communities can use to develop adequate plans to protect their local watershed. | | Complete by June 30, 2003. |
| 2. Public and stakeholders understand their role in prevention of NPS pollution and work in partnership with DEC. (DEC - Foley, EPA - to be announced) | A. Establish pollution prevention programs to educate the public on ways to reduce pollution from improper use and disposal of household hazardous chemicals, fertilizers and pesticides. | | Complete initial effort by June 2003; continue effort through 2004 as resources allow. |
| | B. Develop an Alaska Strategy for Water Pollution Education to cover statewide issues. | | Strategy complete by September 30, 2003 and implemented through 2004. |
| | C. Compile generic guidance for minimizing water quality impacts of winter road maintenance and snow management. Distribute to local governments and transportation agencies | | Generic guidance completed and distributed by September 30, 2003. |
| | D. Working with partners, assure training opportunities for monitoring water quality are provided annually in each major hydrologic region. | | Training in monitoring is provided annually in each of the 6 major hydrologic regions, June 2004. |
| | E. Using Alaska Stream Condition Index approach developed for Southcentral Alaska streams, expand establishment of reference conditions and bioassessment protocols for Southeast Alaska. | | Draft compilation of Southeast Reference Conditions established by September 30, 2003. |

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| | F. Monitor effectiveness of past habitat protection projects and report results in standardized manner. Compile evaluations of habitat protection projects. Reports updated periodically as new information developed. Fund and implement effective projects that produce a net environmental benefit. | | Future proposed habitat protection projects are evaluated against past results. Effectiveness evaluation completed by June 30, 2003. |
| (Forestry) | G. Review timber sale and harvest planning documents; evaluate potential water quality issues; recommend implementation of applicable BMPs that when implemented will maintain water quality. | | # of harvest planning documents reviewed. % of written project reviews that include recommendations of specific BMPs beyond those provided in the planning document to protect water quality. |
| | H. Provide technical assistance to timber harvest operators and forest land owners and managers in the application and monitoring of BMPs and the assessment of water quality-related risk from and impacts due to timber harvest and road construction. | | On-going. |
| | I. Conduct field monitoring of BMP implementation for timber harvest and road construction on state, private and other public lands, cooperatively with DNR, FS and ADFG. | | % of timber harvest operations inspected that are consistently using BMPs. |
| | J. Participate in inter-agency monitoring and evaluation group (IMEG) to review and make recommendations to implement selected effectiveness monitoring projects. | Participate in inter-agency monitoring and evaluation group (IMEG) to review and make recommendations to implement selected effectiveness monitoring projects. | Assess Forest Service BMPs for effectiveness in protecting water quality and identify those that are not effective. |

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| | K. Provide NPS funds to ADNR and F&G for timber harvest stewardship and prevention activities. Maintain an adequate field presence during forestry activities. | | # of field inspections conducted by DNR. # of field inspections conducted by DFG. |
| | L. Participate in the review and revision of the riparian management standards for FRPA Region II. | | Revised regulation package by 2003. |
| (Stormwater) | M. * If resources allow, and there is a continuing need, organize regional stormwater training for communities with a population of 10,000 and greater. Target audience will be representatives from local governments, industry, and agencies. | Provide technical, and financial support as feasible, for stormwater roundtable sessions. | Training conducted in Juneau, Anchorage and Fairbanks one time during the 2003/2004 period. |
| | N. * Develop model regional sediment and erosion control BMPs for communities. (This will take the form of a manual or catalog of appropriate BMPs specific to each region.) Model BMPs will be based upon modifications of current DOT sediment and erosion control measures. | | # of local governments that prescribe sediment and erosion control BMPs for construction activities below Phase II permitting thresholds by June 30, 2004. |
| | O. * Provide technical assistance to local governments in designing and implementing local stormwater management programs such as mapping existing stormwater discharge locations, collecting water quality data from stormwater drains, and identifying storm drains that are inadequate or non-functional. | | # of communities that are proactively addressing stormwater collection system impacts on water quality. |

ACWA CORRECTIVE ACTION

Workplan Component V: Waterbody Restoration

Level of effort funded by PPG: 4.7 FTE \$813.6

Objective: Restore polluted waters using the most appropriate, cost effective, and timely means.

| Outcome | DEC Tasks/Activities | EPA Tasks/Activities | Measures/Completion Date |
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| <p>1. All impaired waters are making progress towards meeting water quality standards designed to enhance water quality and protect public health and welfare. Restore and maintain the chemical, physical, and biological integrity of Alaska's waters and achieve water quality that promotes protection and promulgation of fish, shellfish, and wildlife and provides recreation in and on the water. (DEC - Foley/Keiser, EPA -Carlin for TMDLs, Gardner for 303(d) listing)</p> | <p>A. Develop mini-workplans with timeframes for all high priority (under ACWA) impaired waters based on the most appropriate methods to restore water quality or water uses (i.e., TMDLs, contaminated site cleanup, debris removal, etc.). This may include TMDL implementation plans and other types of restoration plans. Provide annual status reports to EPA on the progress of the development of workplans, development of implementation/restoration plans and implementation actions and effectiveness.</p> <p>Review and update Alaska's 303(d) schedule for development of waterbody recovery plans / TMDLs after EPA's approval of DEC's 303(d) listing package. Post revised 303(d) waterbody recovery plan / TMDL schedule and Alaska's most current list of impaired waters on DEC's website.</p> | <p>Provide DEC with information about any third-party restoration projects funded by EPA. Review draft DEC plans and identify EPA concerns early so adjustments can be made.</p> | <p>By June 30, 2003 DEC will have workplans that identify the next steps needed to begin restoration activities for all high priority ACWA waterbodies. Continue implementation in 2004.</p> <p>Revised 303(d) waterbody recovery plan / TMDL schedule which incorporates any changes from the 2002 303(d) list on DEC's website within 30 days of EPA's approval of the 2002 list.</p> |
| | <p>B. Develop three TMDLs per year from the following waterbodies: Ward Cove, Silver Bay, Anchorage Bowl fecal TMDLs, Ship Creek, Jordan Creek, Hamilton Bay, Cold Bay, Eagle River Flats, Eskimo Creek, Thorne Bay, Chena River, Chena Slough, Hood & Spenard Lake and possibly Noyes Slough. DEC may undertake additional TMDLs if staff and financial resources are available.</p> <p>Provide EPA with draft TMDLs at least 10 working days prior to the formal public comment period. Comply with state and federal public participation requirements.</p> | <p>For the following waterbodies, EPA will provide a higher level of involvement and technical assistance: Ward Cove and Anchorage Bowl TMDLs.</p> <p>For TMDLs developed by DEC, EPA will provide input and review on draft TMDLs within 10 working days of receipt and approval of final TMDLs within 30 calendar days of receipt.</p> | <p>Draft TMDLs for at least two waterbodies are submitted to EPA by December 31 and final TMDLs from three waterbodies are submitted to EPA by May 31 for approval.</p> <p>On-going.</p> |

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| | C. If EPA and ADEC mutually decide to assign EPA as a lead to any AK TMDLs, then ADEC will provide input and review on draft TMDLs within 10 working days of receipt. | EPA may develop additional TMDLs. If so, EPA will provide a draft copy to DEC at least 10 working days prior to the formal public comment period. | Completion of additional TMDLs. |
| | D. Identify log transfer facilities (LTFs) with more than 1 acre of continuous bark and wood waste coverage greater than 10 cm. Review and approve LTF remediation plans and ensure implementation. | | # of LTFs with approved remediation plans that are meeting milestones (estimate 3/year). |
| | E. Track recovery status of Tier III (category 4.a. and b.) waterbodies which have implemented waterbody recovery plans (such as approved TMDLs that are in the process of being implemented through permits or other control mechanisms). Provide status report and success stories to EPA. For TMDLs, include the following information in the report: pollutants, sources, TMDL recommendations, environmental improvements or impact, challenges and a description on how this environmental change occurred or what was successful about this TMDL. | | # of waterbodies moved to Tier IV (category 2. or 3.) when water quality standards are attained. On-going. |
| | F. Prepare documentation, comply with all state and federal participation requirements, and submit to EPA no later than October 2002 all 303(d) listed waterbodies which should be removed from Tier 1, 2, and 3 of the 1998 list and moved to the appropriate category. | Review and approve proposed removals from the 303(d) list as part of EPA's review of DEC's 2002 303(d) listing package. | DEC's 303(d) list contains only category 5 impaired waterbodies. |

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| <p>2. Third party partners augment DEC resources and expand monitoring, assessment, restoration, and education on ACWA priorities. (DEC - Foley, EPA - Hayslip))</p> | <p>A. Award and manage approximately \$1.5 million in NPS pass-through funding using grants, reimbursable services agreements, and contracts.</p> | | <p>Percentage of pass-through funds expended; recipients meet match requirements; percentage of projects that are completed on time; FY 02 grants are closed out by September 30, 2002. FY 03 grants are closed out by September 30, 2003.</p> |
| | <p>B. Hold grant preparation and project management workshops for FY 04 grants and FY 05 grants.</p> | | <p>Percentage of funded project grantees that participated in workshops.</p> |
| | <p>C. Provide technical assistance to recipients re: planning, QA, and field work to ensure that scientific and monitoring procedures are sound.</p> | | <p>100% of sampling projects have approved QA plan prior to sampling.</p> |

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 Workplan amendments final submittal to
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