

2001-03 Performance Progress Report

For Quarter Ending 6/30/2003

Agency 461

Department of Ecology

Mission

The mission of the Department of Ecology is to protect, preserve and enhance Washington's environment, and promote the wise management of our air, land and water for the benefit of current and future generations

Goal PREVENT POLLUTION.

Performance Measure

Percentage of days statewide with good air quality.
 Increase the percentage of days with good air quality to 100%.
 Baseline (2000) is 85% of days with good air quality. Good air quality as defined by this performance measure is achieved when all pollutants measured are at concentrations less than 1/2 of air quality standards. A day is considered a good day when all measurements for that day statewide fall into the good range.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	87%	89%	93%	93%	95%	97%	99%	100%
Actual	84%	89%	86%	95%	86%	77%	95.6%	90%
Date Measured	10/31/2001		4/30/2002	7/15/2002				6/30/2003

Quarter 5 Comment 86% of days had good air quality, representing 99% of all measurements

Quarter 6 Comment The lower number of days with good air quality was due to the unusually frequent and long air inversions that trap pollutants.

Quarter 7 Comment 95.6% of days were of good air quality, representing 99% of all measurements.

Performance Measure

Percentage reduction in cereal grain acres burned.

* 1999 baseline is 229,000 acres burned. Target is 35% reduction FY02, 40% FY03.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate				35%				40%
Actual	27%	27%	52%	52%	53%			51%
Date Measured	10/31/2001		4/30/2002	7/15/2002				6/30/2003

Quarter 1 Comment Ecology has signed a Memorandum of Understanding with the State Department of Agriculture and the Wheat Growers Association that sets forth target reduction in permitted cereal grain acres burned. The 27% reduction in cereal grain acres burned is equivalent to 167,976 acres.

Quarter 5 Comment Orchard chipping program continued in the Central Regional Office in Yakima. Media campaigns have been initiated on agricultural and backyard burning to increase awareness and assist citizens with alternatives. New website was launched on agricultural and other outdoor burning. Emission factor study for cereal grain stubble burning is out for peer review.

Quarter 6 Comment Results will be updated in May/June 2003 which is based on the crop year.

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Performance Measure

Pounds of hazardous waste generated (in millions).
Reduce the total number of pounds of hazardous waste generated in the State by 2% annually.

* This data can only be obtained on an annual basis from the Annual Dangerous Waste Report. Please see Quarter 2 and 6 estimates and actual data. The baseline is 317 million pounds measured in 1992.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate		253 million				247 million		
Actual			235		207 million lbs	207 million		
Date Measured	10/31/2001							

Quarter 6 Comment

Data collection is based on the crop year and will be available in Quarter 8

Performance Measure

Roadside litter rating.
Improve the statewide litter roadside rating to 4.0 (with a scale of 1-6, with 1 the cleanest).

* DOT issues these ratings only once a year, hence only 2 estimates.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate			4.5				4.0	
Actual			4.3		comment	4.2		
Date Measured			4/30/2002		12/30/2002			

Quarter 1 Comment

This is an annual DOT measure that will be reported in the 3rd quarter. The rating has been stable at 4.8 since 1999. The worst rating of 4.8 has occurred despite increased litter pickup efforts. It is evident that a litter prevention campaign is needed in the State and that will be implemented in 2002.

Quarter 3 Comment

The improved Cleanliness Rating for 2001 is more likely the result of more efficient and effective litter pick up efforts by all agencies and local governments and does not reflect a decrease in actual litter. Ecology's Litter Campaign has begun and can be found at www.ecy.wa.gov/programs/swfa.

Quarter 5 Comment

DOT Cleanliness Rating is available in Quarter 3 annually. Litter reporting in pounds is one quarter delayed.

Quarter 6 Comment

The Litter Campaign, in concert with pickup efficiencies, have had a positive effect on litter.

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Performance Measure Number of oil spills.
Reduce the number of oil spills to surface waters between 25 and 10,000 gallons by 10 by FY03.

* FY01 baseline is 35. Target is 30 in FY02 and 25 in FY03.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	8	8	7	7	7	6	6	6
Actual	2	2	1	2	11	1	1	0
Date Measured	10/31/2001		4/30/2002	7/15/2002				6/30/2003

Quarter 2 Comment The Quarter 2 results were revised downwards, deleting spills that occurred from "non-regulated vessels," those under 300 gross tons. The Spills Program decided to report data only from those entities upon which it has significant influence (regulated vessels and entities). While most spills occur from non-regulated entities, they typically do not pose as significant risk as Major or Catastrophic spills from larger regulated vessels.

Quarter 8 Comment Ecology responded to 7 spills from "non-regulated" entities where at least 25 or more gallons of oil reached surface waters. An estimated 3,396 gallons of oil entered the environment from these spills.

Performance Measure Gallons of oil spilled to waters.
Reduce the total volume of oil spilled to surface waters to 1,173 gallons.

* Baseline is 7,613 gallons per year; reduce by 613 in FY02, 560 in FY03.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	1750	1750	1750	1750	1625	1625	1625	1625
Actual	335	2,180	800	2462	8405	2,626	15,000	0
Date Measured	10/31/2001		7/15/2002					6/30/2003

Quarter 2 Comment The State had 4 spills of over 1,000 gallons each: 2 railroad spills and 2 facilities spills. The facilities spills were located on Mt. Rainier (Paradise) and on Elliott Bay.

In Quarter 3, the quarter 2 numbers were revised downward because the program has decided to exclude data from "non-regulated vessels and entities." Ecology does not have significant influence over these and the larger regulated vessels tend to cause major or catastrophic spills compared to the non-regulated ones.

Quarter 4 Comment There were 9 spills where at least 25 or more gallons reached surface waters with an estimated total release of 24,800 gallons. Over 20,000 gallons was released into surface waters and onto adjacent shorelines during the 4/21/02 Yale Reservoir spill.

The FY-01 baseline should be recalculated.

Quarter 5 Comment This was an unusual quarter with 6 spills of over 1,000 gallons each.

Quarter 6 Comment There were 8 spills where at least 25 gallons of oil reached surface waters with an estimated total release of 3,123 gallons. This figure represents both regulated and unregulated vessels.

Quarter 8 Comment Ecology responded to 7 spills from "non-regulated" entities where at least 25 or more gallons of oil reached surface waters. An estimated 3,396 gallons of oil entered the environment from these spills.

Goal CLEAN UP POLLUTION

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Performance Measure Percent of pumpable liquids remaining in single shell tanks at the Hanford Nuclear Reservation. The target was to reduce to 5% of pumpable liquid remaining in 29 single-shell tanks by 6/30/03; 23% was remaining by 9/30/01. This is dictated by The Consent Decree set by Congress.

Output	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	23%	20%	18%	16%	13%	11%	8%	5%
Actual	23%	see Comment	comment		17.8%	12.5%	9.2%	4%
Date Measured	10/31/2001			7/15/2002	9/30/2002			6/30/2003

Quarter 2 Comment Reporting results of interim stabilization pumping will lag one quarter to reflect Ecology receipt and review of the Department of Energy-Office of River Protection's quarterly pumping report required per Consent Decree CT-99-5076-EFS, Sec. IV.B.

Quarter 3 Comment In April 2002, the US Department of Energy, Office of River Protection, stated that restart of the pumping for 8 of 11 tanks and resolution of the hose-in-hose transfer line leak and partially plugged U farm transfer line issues must be made on schedule to meet the Consent Decree milestone of 18% of pumpable liquid remaining in single-shell tanks by 9.30/02 (the end of the Federal fiscal year).

Quarter 4 Comment Consent Decree milestone D-001-12V requires the waste volume to be reduced to less than 18% (about 660k gallons) by 9/30.02. The Department of Energy (DOE) has reported they are "very concerned" and have revised the contractor's recovery plan, issued in February 2002. They have realigned their efforts to provide maximum efforts to meet the deadline. Ecology is very concerned about the ability to meet the milestone (This milestone is 1 quarter late due to DOE data collection and interpretation agreements).

Performance Measure Number of water quality cleanup plans (TMDLs) or technical studies submitted to EPA for approval. The number of TMDLS completed is increased by 20% this biennium.

All TMDLS are expected to be completed by 2013.

* FY 2001 baseline is 56 TMDLS.

Output	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	10	10	10	20	10	10	10	20
Actual	37	20	0	15	34	28	0	46
Date Measured	10/31/2001	1/31/2002		7/15/2002				6/30/2003

Quarter 8 Comment The WQP did an outstanding job completing 169 water cleanup plans which far exceeded our goal of 100.

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Performance Measure Number of known toxics contaminated sites with cleanup actions completed.

* 1998 baseline is 43% sites cleaned up. Target is to have 51% cleaned up by FY01 and 54% by FY03.

Output	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	36	36	36	36	36	36	36	36
Actual	103	64	4	82	156	113	166	104
Date Measured	10/31/2001	1/15/2002	4/15/2002	7/15/2002	7/15/2002		4/16/2003	6/30/2003

Quarter 2 Comment The total of sites with clean up actions completed is 167 this biennium.

Quarter 3 Comment The program completed more than 4 cleanups on sites last quarter. However, some duplicates appeared during the merging of 2 databases which resulted in the lower number for this quarter.

Quarter 5 Comment The 1998 baseline is 43% of sites cleaned up. The target is to have 51% cleaned up by the end of 2001 and 54% by 2003. To date we are 55%.

Quarter 8 Comment The 1998 baseline is 43% of sites cleaned up. The target is to have 51% cleaned up by the end of 2001, and 54% by 2003. To date we are at 57%.

Performance Measure Number of sediment acreage remediated for source control and cleanup.

* 2000 baseline (total) is 75 acres. Target is to increase acres remediated to 80 over the biennium.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	10	10	10	10	10	10	10	10
Actual	2.5	3.5	5.6	40	0	0	0	0
Date Measured	10/31/2001	1/15/2002	4/15/2002	7/15/2002	10/17/2002		4/16/2003	6/30/2003

Quarter 1 Comment

Quarter 5 Comment This would include dredging for cleanup or maintenance, cap construction etc.

Goal SUPPORT SUSTAINABLE COMMUNITIES AND NATURAL RESOURCES.

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Performance Measure Number of miles of salmon habitat restored by Ecology's Conservation Corps. Increase number of miles restored by 85 during the 2001-03 biennium.

* 2000 baseline is 39 miles.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	7	5	15	15	8	5	15	15
Actual	5.4	9	11.3	5.9	4.39	4.19	10.67	8.13
Date Measured			4/30/2002	7/15/2002				6/30/2003

Quarter 1 Comment

Quarter 3 Comment Quarter 3 results bring the total of miles of riparian habitat restored to 25.7, year to date.

Quarter 4 Comment Fewer miles restored than targeted for the end of the year. The number of miles restored for the Washington Conservation Commission depends on the number of entities interested in sponsoring projects, hence making it difficult to anticipate the level of interest each year.

Quarter 5 Comment Number of miles restored for the Washington Conservation Corps depends on the number of entities interested in sponsoring projects. It is difficult to anticipate the level of interest each year. Years to date, the number of miles restored is 36.05.

Quarter 8 Comment Fewer miles restored than targeted for the end of the biennium. Number of miles restored for WCC depends on number of entities interested in sponsoring projects - it's difficult to anticipate the level of interest each year. More and more emphasis on maintaining already-restored or enhanced sites rather than creating new ones.

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Performance Measure Number of water rights change decisions completed.
 Target is to reduce backlog by 50% over the biennium, from a baseline of 2,000 applications awaiting action as of 6/30/01.

* *Near term needs for water are met by reducing this backlog.*

Output	Fiscal Year 2002				Fiscal Year 2003			
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>
Estimate	125	125	125	125	125	125	125	125
Actual	49	101	158	148	112	130	182	129
Date Measured	1/31/2002	1/31/2002	4/30/2002	7/15/2002				6/30/2003

Quarter 1 Comment 1st quarter results were revised in quarter 2.

Quarter 3 Comment Performance exceeds the quarterly target of 125 and performance over 3 Quarters exceeds the total for the previous biennium. 19 Conservancy Board decisions, with 19 Ecology reviews of these decisions (1 affirmed, 12 modified, 1 reversed and 1 withdrawn).

Quarter 4 Comment Performance exceeds quarterly target of 125. FY02 production is approximately 300% higher than FY01 (456 vs. 151). Ecology achieved 90% of the first FY goal despite drought, new hiring, training etc (456 of 500 goal). 26 Conservancy Board (CB) decisions forwarded to Ecology for action. 19 Ecology reviews of CB decisions (1 affirmed, 14 modified, 0 reversed, 4 withdrawn). Please note that future processing performance may be jeopardized absent progress on "municipal" policy issues.

Quarter 5 Comment In the 5th quarter, we achieved 90% of the quarterly goal (112/125). 18 Conservancy Board (CB) decisions were forwarded to Ecology for action. 15 Ecology reviews of CB decisions (0 affirmed, 15 modified, 0 reversed).

Quarter 6 Comment Negotiated 2 big water purchases (closing January 2003) ~ 350 cubic feet per second, or cfs Wapatox purchase benefiting Naches River in cooperation with U.S. Bureau of Reclamation-\$8.0 million Bureau/\$1.0 million State and 360 acre feet Fowler Ditch purchase benefiting Yakima River- \$128,000

Quarter 7 Comment Achieved 144% of quarterly goal (182/880). 30 Conservancy Board decisions (ROD, or Record of Decision) forwarded to Ecology. 24 Ecology reviews (administrative orders resulting in 2 affirmed, 20 modified, 2 reversed).

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Performance Measure Volume of water, in acre feet, restored or saved to maintain instream flows.
Target is to restore or save 25,880 acre feet of water.

Outcome	Fiscal Year 2002				Fiscal Year 2003			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 5	Quarter 6	Quarter 7	Quarter 8
Estimate	2110	2430	3930	2810	2810	2810	5050	3930
Actual	34,927	355	0	1725	0	632	797	181,000
Date Measured	10/31/2001		4/30/2002	7/15/2002				6/30/2003

Quarter 1 Comment This includes 33,322 acre feet of a U.S. Bureau of Reclamation/Bonneville Power Administration/Ecology water purchase for irrigation and fish benefits- to provide water not available during the drought period when Columbia River flows were below critical flow adjustment limits (23%). The full 34,927 acre feet total for this quarter equals 134% of the biennium goal of 25,000 acre feet. Excluding the large Columbia action would yield a net balance of 1,605 acre feet which equals 75% of the 2,100 acre goal for the first quarter.

Quarter 2 Comment

1. Purchase, lease and donations:
Completed application package to NMFS including \$2.0 million to acquire water (additional funding for setting and achieving flows and stream gauging).
2. Provide conservation, reuse, compliance services:
Worked with Conservation Commission to develop Agricultural Irrigation Efficiency funding program (\$8.0 million capital budget, \$4.0 million released by OFM).
Provided administrative grants to 8 local Conservation Districts in fish critical areas and on-farm projects beginning in summer. Two reclaimed water projects brought online this quarter (WQP): North Bay Case Inlet; 336 acre feet; Main Street Sewer District (assisted care facility); 19 acre feet.

Quarter 3 Comment Activities are somewhat seasonal and episodic. Big water purchases occurred in the 1st Quarter in response to the drought. We expect pickup figures with future water purchases, irrigation efficiency projects get underway, along with additional reclaimed water projects.

Quarter 4 Comment City of Quincy water reuse project came on line (1725 acre feet- Water Quality Program). Two water rights acquisition proposals in process but have not yet been exercised into formal agreement; one proposal is in the appraisal phase to establish the value of the water right. No agreements have been finalized for the irrigation efficiency program.

Quarter 5 Comment No water acquisition this quarter but work continues on completing one very large and one smaller transaction. Entered into water value appraisal contract for large water purchase. Also a number of Agricultural Irrigation Efficiency projects are being readied for funding in Walla Walla area in cooperation with the Conservation District. Also completed a water acquisition and outreach strategy.

Quarter 6 Comment Agricultural irrigation efficiency agreements including (revised)

1. 164 acre feet Kittitas (Rossback)
2. 165 acre feet Methow tributary (Campbell)
3. 303 acre feet (1.34 cfs) Yakima River (Selah, Moxie ID)

Quarter 7 Comment Agricultural irrigation efficiency agreements including:

437 acre feet in the upper Yakima (Bull Canal Co.)
Purchase agreement
360 acre feet Fowler Ditch benefiting Yakima River- \$218,000

Quarter 8 Comment The program far surpassed the target due to a Wapatox Naches River water purchase with the US Bureau of Reclamation.

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Performance Measure Number of watersheds where Watershed Planning Units (WPU) have recommended instream flows. Target is 28 watersheds where Watershed Planning Units (WPU) have submitted recommendations for instream flows.

Output Estimate	Fiscal Year 2002				Fiscal Year 2003				28
	<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>	<u>Quarter 5</u>	<u>Quarter 6</u>	<u>Quarter 7</u>	<u>Quarter 8</u>	
Actual	0	see comment	0	1	0	0	0	0	0
Date Measured				7/15/2002					6/30/2003

Quarter 1 Comment Ecology prepared internal drafts of the Programmatic Environmental Impact Statement and refined flow definitions.

Quarter 2 Comment Ecology hired a rule writer and technical writer to assist in flow work (HQ).

Conducted several instream flow presentations to 2514 (Watershed Planning Units) and non-2514 groups, including tribal environmental policy coordinators and watershed planning lead entities.

Quarter 4 Comment Ecology is engaging with the Central Puget Sound process on instream flows and a related process with Central Puget Sound areas not engaged in 2514 planning. We drafted an instream flow strategic plan (setting flows) and water acquisition strategy (achieving flows).

Quarter 5 Comment Now building streamlined rule-making tool for instream flow authorization/development. Common elements covered by generic documents and supplemented with watershed-specific information. Efficiency measure for 33+ potential instream flow rules.

Produced optional guidance document (formerly P-EIS) for internal review and released scheduled Fall'02.. instream flow tool for local watershed groups.

Coordinating instream flow strategic plan with WDFW for release as joint document in Fall '02.

Continuing support of Central Puget Sound Regional Process on Instream Flows and related topics (areas not engaged in 2514 planning).

Quarter 7 Comment Released Flow Guidance Document for use by watershed planning groups and others.

Published Walla Walla instream flow technical report.

Continued Central Puget Sound and Columbia River Process support.