

Clark County
National Pollutant Discharge Elimination Systems (NPDES)
Phase I Municipal Stormwater Permit
2010 Annual Report

Contents

2010 NPDES Annual Report

Attachments

Attachment A: Clark County Stormwater Management Plan 2011

(bound separately and attached out of sequence)

Attachment B: Program Evaluation and Other Activities Narrative

Attachment C: Map of 2010 Annexations of Unincorporated Clark County into Cities

Attachment D: Water Year 2010 Stormwater Monitoring Report

Attachment E: Development and Redevelopment Flow Restoration Program Annual
Report

| | |
|---|---|
| I. Permittee Information | |
| Permittee Name Clark County, Washington | Permittee Coverage Number WAR04-4001 |
| Contact Name Rod Swanson | Phone Number (360) 397-2121, ext. 4581 |
| Mailing Address PO Box 9810 | |
| City Vancouver | State Zip + 4 WA 98666-9810 |
| Email Address rod.swanson@clark.wa.gov | |

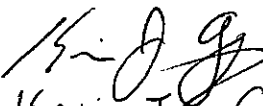
| | | |
|---|--|---|
| II. Regulated Medium or Large MS4 Location | | |
| Jurisdiction Clark County | Entity Type: Check the box that applies | |
| | County | City/Town Other |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| Major Receiving Water(s) WRIA 27, WRIA 28 | | |

| | |
|---|------------------------------|
| III. Relying on another Governmental Entity | |
| <p>If you are relying on another governmental entity to satisfy one or more of the permit obligations, list the entity and briefly describe the permit obligation(s) they are implementing on your behalf below. <i>Attach a copy of your agreement with the other entity to provide additional detail.</i></p> | |
| Name of Entity: | Permit Obligation(s): |
| | |
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| | |
| | |

IV. Certification

All annual reports must be signed and certified by the responsible official(s) of permittee or co-permittees. Please print and sign this page of the reporting form and mail it (with an original signature) to Ecology at the address noted below. An electronic signature will not suffice.

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that Qualified Personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for willful violations.

| | | |
|---|--|--------------|
| Name  Kevin J. Gray | Title Environmental Services Director | Date 3-22-11 |
| Name _____ | Title _____ | Date _____ |
| Name _____ | Title _____ | Date _____ |
| Name _____ | Title _____ | Date _____ |
| Name _____ | Title _____ | Date _____ |

V. Submittal-- Submit by March 31

If using this Excel version of the annual report form, email one electronic copy, including all identified attachments, to PH1_AnnRpt@ecy.wa.gov AND submit two printed, signed copies of the entire annual report PLUS attachments to:

Department of Ecology
Water Quality Program
Municipal Stormwater Permits
P.O. Box 47696
Olympia, WA 98504-7696

PLEASE label any information in attachments with corresponding question numbers.

NOTE: Items that have future compliance dates must still be answered to indicate status.

PLEASE indicate reporting year and your jurisdiction in Line 1, above.

PLEASE refer to the INSTRUCTIONS tab for assistance filling out this table.

PLEASE review your work for completeness and accuracy. Save this worksheet as you go!

| Question | Y/N/NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|---|--------|---|---|--|
| 1 | Y | | During 2010, 452 acres, including 4.5 miles of county right-of-way, were annexed into cities. Battle Ground (104 acres), Camas (10 acres), and Vancouver (338 acres) made annexations. The Vancouver annexation was chiefly a gravel quarry and industrial area along the Columbia River. | See Attachment C. |
| S4. Compliance with Standards | | | | |
| 2 | NA | | No actions were implemented pursuant to S4.F. | |
| S5 Stormwater Management Program | | | | |
| S5.C.1 Legal Authority | | | | |
| 3 | Y | | | |
| S5.C.2 MS4 Mapping and Documentation | | | | |
| 4 | Y | | Clark County has maintained maps of its facilities since the 1990's. A project to upgrade and complete all conveyance and facility mapping was completed in January 2010. Receiving waters are mapped as hydrology layers as part of basic county GIS data. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|----------|---|------------|---|---|--|
| 5 | A program is in place to map the location of all known connection points between municipal separate storm sewers you own or operate and other municipalities or other public entities. (Required by February 15, 2009, S5.C.2.b.i) | Y | | | |
| 6 | <u>Cities:</u> All storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, and including tributary conveyances (type, material and size where known), associated drainage areas and land use throughout the city, are mapped. (Required by February 15, 2011, S5.C.2.b.ii) <u>Counties:</u> All storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, and including tributary conveyances (type, material and size where known), associated drainage areas and land use in urban/higher density rural sub-basins, are mapped. (Required by February 15, 2011, S5.C.2.b.ii) | Y | | Requirement not yet due. However, conveyance mapping, including ditches is largely completed for the entire county. Catchment areas for most of the areas inside the UGAs served by urban and suburban storm sewer systems was completed during 2010. This included many outfalls smaller than 24 inches. | |
| 7 | A program is in place to maintain a map of all connections to the MS4 that have been authorized or allowed after the effective date of the permit. (S5.C.2.b.iii) | Y | | Connections are mapped on construction plans and added to GIS database. Connections for residential subdivisions are mapped from subdivision plans, not individual lot plans. | |

| Question | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|--|------------|---|--|---|
| <p>8 <u>Cities:</u> All existing, known connections over 8 inches to municipal separate storm sewers tributary to all storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, are mapped. (<i>Required</i> by February 15, 2009, S5.C.2.b.iv)</p> <p><u>Counties:</u> All existing, known connections over 8 inches to municipal separate storm sewers tributary to all storm sewer outfalls with a 24 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems, located in one-half the area of the County within urban/higher density rural sub-basins are mapped. (Required by February 15, 2011, S5.C.2.b.iv)</p> | Y | | Requirement not yet due. Clark County has, however, mapped its drainage system and known pipe and ditch connections within the urban growth areas. | |
| <p>9 Geographic areas served by the MS4 that do not discharge stormwater to surface waters are mapped. (<i>Required</i> by February 15, 2011, S5.C.2.b.v)</p> | Y | | Requirement not yet due. However, Clark County has mapped areas of the urban and suburban MS4 that do not drain to surface water. | |
| <p>10 Municipal storm sewer system GIS data layers that you have updated are listed in <i>Comments</i> field. (S5.C.2.b.vi)</p> | Y | | All storm sewer system GIS layers were updated. This includes treatment and flow control facilities, connection points, catch basins, manholes, pipes, ditches, drywells, infiltration trenches, and outfalls. | |
| <p>11 Mapping information has been made available to Ecology, Co-Permittees and Secondary Permittees upon request to the extent appropriate. (S5.C.2.b.vi and vii)</p> | Y | | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|--|---|------------|---|---|--|
| S5.C.3 Coordination | | | | | |
| 12 | Established and are implementing written internal coordination agreement(s) or directives to facilitate compliance with the permit. (<i>Required</i> by February 15, 2008, S5.C.3.b.i) | Y | | Established MOUs with Road Operations for S5.C.9 and Community Development for parts of S5.C.5. Coordination directive issued by the County Administrator to department directors in 2008. | |
| 13 | Established coordination mechanisms clarifying roles and responsibilities for control of pollutants between any other municipal stormwater Permittee's physically interconnected municipal storm sewers. (<i>Required</i> by February 15, 2009 or within 2 years following the addition of a new Secondary Permittee, S5.C.3.b.ii) | Y | | County and city staff have informal discussions regarding results of illicit discharge screening results and potential pollutant sources. Clark County has mapped known connections to other municipal systems. | |
| 14 | Established coordination activities for shared waterbodies among Permittees including Secondary Permittees. (<i>Required</i> by February 15, 2009, S5.C.3.b.ii) | Y | | Shared waterbodies are limited in Clark County. Interjurisdictional coordination includes the ESA recovery plan, adopted WRIA Plans and the Vancouver Lake Watershed Partnership. | |
| S5.C.4 Public Involvement and Participation Program | | | | | |
| 15 | Implemented a process to create opportunities for the public to participate in processes for development, implementation and updates of the SWMP, including consideration of public comments on the SWMP. (<i>Required</i> by August 15, 2007, S5.C.4.b.i) | Y | | Held monthly Clean Water Commission meetings to review stormwater program activities as an advisor of the Board of Clark County Commissioners on program development and implementation. Stormwater program budget and major policies such as code revisions are approved through public hearing process. | |

| Question | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|--|------------|---|--|---|
| 16 Made the SWMP and all submittals required by the permit available to the public on the Permittee's website listed below, or provided all submittals to Ecology in electronic format for posting on Ecology's website. (Required by March 31, 2008, S5.C.4.b.ii) List Permittee's website address in <i>Comments</i> field. | Y | | | |
| S5.C.5 Controlling Runoff from New Development, Redevelopment and Construction Sites | | | | |
| 17 Submitted draft enforceable requirements, technical standards and manual, that address requirements to prevent and control runoff from new development, redevelopment and construction site activities in S5.C.5.b.i through S5.C.5.b.iii, to Ecology for review and approval on the date provided in <i>Comments</i> field. (Required by February 15, 2008, S5.C.5.b.iv) | Y | | Not applicable to 2010 activities reporting. Draft code and manual revisions were submitted in July 2008. | |
| 18 Adopted the final enforceable requirements, technical standards and manual to prevent and control runoff from new development, redevelopment and construction site activities on the date provided in <i>Comments</i> field. (Required by August 15, 2008, or 60 days following Ecology's written response) | Y | | Not applicable to 2010 activities reporting. Draft code and manual revisions were submitted in July 2008. Code revisions were adopted on 1/13/09. Three code revisions requested by Ecology were made on 12/2/09. Agreed Order 7273, resolving a permit violation regarding flow control under minimum requirement 7 of Appendix 1 was signed by Clark County in December 2009 and by Ecology in January 2010. A permit modification to include the county program was issued on September 1, 2010. The Agreed Order was remanded to Ecology by the Pollution Control Hearings Board in January 2011. Appeal of the remand is pending. | See Attachment E for reporting on Agreed Order 7273 implementation. |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|--|------------|-------|--|---|
| 19 | Were exceptions or variances to the minimum requirements in Appendix 1 granted? (Required by August 15, 2008, S5.C.5.b.ii, and Section 6 of Appendix 1) | Y | | Three development projects were granted variances related to the minimum requirements during 2010. One allowed USDA soil texture data to establish an infiltration rate, another provided limited exemption for high flows from a county trail, and the third was a variance for vertical separation from ground water. Building Safety does not grant stormwater variances. | |
| 19a | Number of variances granted: | | 3 | | |
| 20 | To the extent allowable under state and federal law, established legal authority to inspect private stormwater facilities and enforce maintenance standards for all new development and redevelopment approved under the provisions of S5.C.5.b. (Required by August 15, 2008, S5.C.5.b.v) | Y | | Not a 2010 reporting measure. Maintenance standards have been in place since before the first NPDES permit. Implemented maintenance standards equivalent to 2005 SWMMWW after April 13, 2009. | |
| 21 | Developed and implemented a process of permits, plan review, inspections, and enforcement capability to meet the requirements of S5.C.5.b.vi, including maintenance plans for permanent stormwater facilities/BMPs, recordkeeping and an enforcement strategy. (Required to begin by August 15, 2008, S5.C.5.b.vi) | Y | | System put in place before current permit. | |
| 22 | Reviewed stormwater site plans submitted for proposed development involving land disturbing activities that meet the thresholds in S5.C.5.b.i. (Required beginning August 15, 2008, S5.C.5.b.vi) | Y | | | |
| 22a | Number of site plans submitted: | | 1,278 | For building permits, all individual lots must submit a lot plan. In subdivisions all lots have stormwater design specifications, which Building Safety staff evaluate compared to the construction proposed and site conditions. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|---|------------|-------|--|---|
| 22a | Number of site plans submitted: | | 56 | Final engineering plans for development projects such as subdivisions. | |
| 22b | Number of site plans reviewed: | | 1,278 | Building Safety reviews building projects submitted to the Building Safety Department. | |
| 22b | Number of site plans reviewed: | | 61 | Final engineering plans for development projects such as subdivisions include plans submitted before 2010. | |
| 23 | Inspected, prior to clearing and construction, permitted development sites that meet the thresholds in S5.C.5.b.i and that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 <i>Identifying Construction Site Sediment Transport Potential</i> . (Required to begin by August 15, 2008, S5.C.5.b.vi) | Y | | Sites in geologic hazard areas and severe erosion areas are identified. Building permit projects have a preconstruction inspection as part of the foundation placement inspection of the site plan. Most development projects such as subdivisions also have a preconstruction site visit at the point when they are approved to begin construction. | |
| 23a | Number of development sites determined to have high sediment transport potential: | | 8 | Development projects. | |
| 23a | Number of building permit sites determined to have a high sediment transport potential: | | 1,278 | Building projects are all inspected before construction. | |
| 23b | Number of sites inspected: | | 8 | Development projects | |
| 23b | Number of sites inspected: | | 1,278 | Building projects are all inspected before construction. | |
| 24 | Inspected construction-phase stormwater controls at permitted development sites that meet the thresholds in S5.C.5.b.i during construction to verify proper installation and maintenance of required erosion and sediment controls. (Required to begin by August 15, 2008, S5.C.5.b.vi) | Y | | Clark County has had a program to inspect construction sites since before it was issued an NPDES permit. | |
| 24a | Number of qualifying permitted development sites: | | 1,354 | Building projects | |
| 24a | Number of qualifying permitted development sites: | | 97 | Development projects | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|---|------------|-------|--|---|
| 24b | Number of sites inspected: | | 1,354 | Building projects | |
| 24b | Number of sites inspected: | | 97 | Development projects | |
| 25 | Enforced as necessary based on the construction-phase inspection at new development and redevelopment projects. (<i>Required</i> to begin by August 15, 2008, S5.C.5.b.vi) List nature of enforcement actions in <i>Comments</i> field. | Y | | The standards under the 1999 permit were applied to projects vested before April 13, 2009. For projects vested after April 12, 2009, inspections were for standards adopted to meet 2007 permit requirements. Building enforcement actions were correction notices and stop work orders. | |
| 25a | Number of enforcement actions taken: | | 2,622 | Building Safety | |
| 25a | Number of enforcement actions taken: | | 61 | Code Enforcement (23 correction notices, 12 stop work orders, and 26 notice and orders) | |
| 25a | Number of enforcement actions taken: | | 1 | Construction Management Development Inspection | |
| 26 | Inspected permitted development sites that meet the thresholds in S5.C.5.b.i upon completion of construction and prior to final approval or occupancy to verify proper installation of permanent erosion controls and stormwater facilities / BMPs. (<i>Required</i> to begin by August 15, 2008, S5.C.5.b.vi) | Y | | The standards under the 1999 permit were applied to projects vested before April 13, 2009. For projects vested after April 12, 2009, inspections were for standards adopted to meet 2007 permit requirements. | |
| 26a | Number of qualifying permitted development sites that completed construction: | | 48 | | |
| 26b | Number of sites inspected: | | 48 | | |
| 27 | Verified that a maintenance plan for sites that meet the thresholds in S5.C.5.b.i is completed and responsibility for maintenance is assigned. (<i>Required</i> to begin by August 15, 2008, S5.C.5.b.vi) | Y | | The standards of the 1999 permit were applied to projects vested before April 13, 2009. Standards required by the 2007 permit applied from that date forward. | |
| 28 | Enforced as necessary based on the post-construction inspection. (<i>Required</i> to begin by August 15, 2008, S5.C.5.b.vi) List the nature of enforcement actions in the <i>Comments</i> field. | Y | | Enforced 1999 permit requirements for projects vested before April 13, 2009. Standards required by the 2007 and 2009 permit applied from that date forward. Compliance through Development Inspection program. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|--|------------|---|---|---|
| 28a | Number of enforcement actions taken: | | 0 | | |
| 29 | Developed and implemented an enforcement strategy to respond to issues of non-compliance. (<i>Required</i> to begin by August 15, 2008, S5.C.5.b.vi) | Y | | An enforcement strategy was in place to meet 1999 permit requirements. This approach continued under the 2007 permit requirements. | |
| 30 | Developed and implemented a recordkeeping process for inspections and enforcement actions by staff, including inspection reports, warning letters, notices of violations, other enforcement records, maintenance inspections and maintenance activities. (<i>Required</i> by August 15, 2008, S5.C.5.b.vi) | Y | | A record-keeping process was in place to meet 1999 permit requirements. This approach continued under the 2007 permit requirements. | |
| 31 | Made Ecology's <i>Notice of Intent for Construction Activity</i> and <i>Notice of Intent for Industrial Activity</i> available to representatives of proposed new development and redevelopment. (S5.C.5.b.vii) | Y | | | |
| 32 | All staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections, and enforcement, are trained to conduct these activities. (<i>Required</i> by August 15, 2008, S5.C.5.b.viii) | Y | | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|--|---|------------|---|--------------------------|--|
| S5.C.6 Structural Stormwater Controls | | | | | |
| 33 | The SWMP includes a Structural Stormwater Control Program to construct stormwater controls to prevent or reduce impacts (hydrology and pollutants) to waters of the state caused by discharges from the MS4 where impacts are not adequately controlled by other SWMP components. <i>(Required by February 15, 2008, S5.C.6.b)</i> | Y | | | |
| 34 | Attached (as part of each annual update to the SWMP in Section VII.A or as part of the Program Evaluation and Other Activities narrative in Section VII.B) updated information required under S5.C.6.b about the Structural Stormwater Control Program. This information must include a prioritized list/description of planned structural stormwater control projects scheduled for implementation during the term of this permit, a description of how the selected projects comply with AKART and MEP requirements, responses to Ecology concerns (if applicable), and all other required information as described in S5.C.6.b.ii and iii. <i>(Required by February 15, 2008, S5.C.6.b)</i> | Y | | | See page 62 of Attachment A. |
| 35 | Currently implementing Structural Stormwater Control Program. <i>(Required by August 15, 2008, S5.C.6.b.i)</i> | Y | | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|----------|---|------------|---|---|--|
| | S5.C.7 Source Control Program for Existing Development | | | | |
| 36 | Submitted draft enforceable document(s), such as an ordinance, and proposed Source Control Program, which address requirements in S5.C.7.a and S5.C.7.b, to Ecology for review and approval on the date listed in the <i>Comments</i> field. (Required February 15, 2008, S5.C.7.b.i) | Y | | Not a 2010 requirement. Submitted the draft program in 2008. | |
| 37 | Adopted the enforceable document(s), such as an ordinance, on the date listed in the <i>Comments</i> field. (Required August 15, 2008, S5.C.7.b.i) | Y | | Not a 2010 requirement. Enforcement tools adopted under 1999 permit were continued in use between January 1, 2009 and April 12, 2009. After April 12, 2009, the standards adopted in January 2009 became effective. | |
| 37a | Began enforcing Source Control Program on the date listed in the <i>Comments</i> field. (Required August 15, 2008, S5.C.7.b.i) | Y | | Clark County has enforced standards adopted under 1999 permit since July 2000. Updated source control standards equivalent to the 2007 permit become effective April 15, 2009. | |
| 38 | Established an inventory or listing of land uses/businesses using the categories in Appendix 8 to identify sites that are potentially pollution generating. (Required August 15, 2008, S5.C.7.b.ii) | Y | | | |
| 39 | Periodically updated the inventory or listing of land uses/businesses using the categories in Appendix 8, as required in S5.C.7.b.ii. | Y | | Site information updates are ongoing based on field inspection records and updates to Assessor's GIS data. | |
| 40 | Implemented a program to respond to complaints and to identify other pollutant generating sources, such as mobile or home-based businesses. (Required August 15, 2008, S5.C.7.b.ii) | Y | | Complaint response system in place as part of program since 2000. A site visit is made in response to each complaint. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|--|------------|-----|---|---|
| 41 | Began implementing an audit/inspection program for sites identified pursuant to S5.C.7.b.ii. (Required February 15, 2009, S5.C.7.b.iii) | Y | | Continued to provide information during door-to-door site visits and inspections. | |
| 41a | Number of sites that were provided with information about activities that may generate pollutants and associated source control requirements: | | 889 | Information provided by site visits as inspections. | |
| 42 | During the reporting period, inspected 20% of identified sites in the audit/inspection program established in S5.C.7.b.ii. (Required to begin by February 15, 2009, report beginning with the third year Annual Report for 2009, S5.C.7.b.iii) | Y | | Clark County completes inspection sweeps by subwatershed. | |
| 43 | During the reporting period, inspected 100% of sites identified through legitimate complaints. (Required to begin by February 15, 2009, report beginning with the third year Annual Report for 2009, S5.C.7.b.iii) | Y | | Legitimate complaints arrive as referrals from other agencies or departments, citizen calls, walk ins or emails. | |
| 43a | Number of sites identified through legitimate complaints: | | 79 | | |
| 43b | Number of sites inspected: | | 79 | | |
| 44 | Began implementing a progressive enforcement policy to require sites to come into compliance with stormwater requirements. (Required beginning February 15, 2009, S5.C.7.b.iv) List nature of enforcement actions in <i>Comments</i> field. (S9.E.2.d) | Y | | Progressive enforcement has been part of the program since it began in 2000. Code Enforcement issued one letter and provided education to one site. | |
| 44a | Number of follow-up actions taken: | | 35 | | |
| 44b | Number of further enforcement actions taken: | | 0 | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|--|---|------------|---|---|---|
| 45 | Contacted Ecology immediately upon discovering a source control violation that presented a severe threat to human health or the environment. (S5.C.7.b.iv and/or G3.) | Y | | | |
| 45a | Number of violations reported to Ecology: | | 1 | | |
| 46 | Referred to Ecology non-emergency violation(s) of local ordinances after making a documented effort of progressive enforcement to bring them into compliance. (S5.C.7.b.iv) | Y | | | |
| 46a | Number of referrals to Ecology: | | 2 | | |
| 47 | All staff whose primary duties are implementing the Source Control Program are trained to conduct these activities in accordance with S5.C.7.b.v. (Required February 15, 2009, S5.C.7.b.v) | Y | | | |
| S5.C.8 Illicit Connections and Illicit Discharge Detection and Elimination (IDDE) Program | | | | | |
| 48 | The SWMP includes an ongoing program to detect and remove illicit connections and illicit discharges into the MS4 owned or operated by the Permittee, including the provisions in S5.C.8.a and S5.C.8.b.i through S5.C.8.b.ii. (S5.C.8.b.i) | Y | | Clark County continues program started under the 1999 NPDES permit. | |
| 49 | Procedures have been developed for addressing pollutants entering the MS4 from an interconnected, adjoining MS4. (Required by February 15, 2009, S5.C.8.b.i) | Y | | Very few points exist where other municipal systems drain to Clark County's MS4. Interconnection points were largely mapped during 2009. Screening program includes procedures to inspect connection points. Illicit discharges entering the county MS4 from another MS4 are addressed in the same manner as suspected illicit connections. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|--|------------|---|--|---|
| 50 | Evaluated and, if necessary updated, existing ordinances or other regulatory mechanisms to effectively prohibit non-stormwater, illicit discharges, and/or dumping into the MS4. <i>(Required by August 15, 2008, S5.C.8.b.ii)</i> | Y | | This requirement lead to minor code revisions that were completed in January 2009 and became effective April 13, 2009. | |
| 51 | All municipal field staff responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, improper disposal and illicit connections are trained to conduct these activities. <i>(Required by August 15, 2008, S5.C.8.b.iii)</i> | Y | | | |
| 52 | All municipal field staff which, as part of their normal job responsibilities might come in contact with or otherwise observe illicit connections or discharges are trained to identify illicit connections and discharges and the proper procedures for reporting and response. <i>(Required by February 15, 2009, S5.C.8.b.iv)</i> | Y | | January 7, 2010 all crew chiefs and supervisors were trained on identifying illicit connections and discharges and the proper procedures for reporting and responding. Crew chiefs then train their crews. | |
| 53 | Provided a publicly-listed hotline or other local telephone number for water quality citizen complaints/reports. (For all except Clark County, <i>required</i> by February 15, 2007; for Clark County <i>required</i> by August 15, 2007, S5.C.8.b.v) | Y | | A variety of avenues, included an advertised water quality line are available that include Code Enforcement complaints by phone or web, calls to the Environmental Services Department, referrals from other departments or agencies, and spill line listed on Clean Water Program homepage. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|---|------------|---|--|---|
| 54 | <p><u>Cities:</u> Conveyances and outfalls within the incorporated area are prioritized for field screening and source tracing as part of the ongoing program to detect and remove illicit connections and illicit discharges.</p> <p><u>Counties:</u> Conveyances and outfalls in the urban/higher density rural sub-basins are prioritized, and one rural sub-basin has been selected, for field screening and source tracing as part of the ongoing program to detect and remove illicit connections and illicit discharges. (In preparation for the 2012 deadline, S5.C.8.b.vi)</p> | Y | | Screening scheduled by sub-watershed as part of the 4-year Stormwater Needs Assessment Program. | |
| 55 | <p><u>Cities:</u> Completed field screening of 60% of the conveyance systems within the incorporated area.</p> <p><u>Counties:</u> Completed field screening of 50% of the conveyance systems in urban/higher density rural sub-basins and at least 1 rural sub-basin. (Required by February 15, 2012, S5.C.8.b.vi)</p> | NA | | Requirement not yet due. Clark County has completed screening for most of the Urban Growth Area and several rural subwatersheds. | |
| 56 | Upon discovery or upon receiving a report of a suspected illicit connection, initiated an investigation within 21 days. (S5.C.8.b.vii(1)) | Y | | Four investigations were initiated based on source control inspections and reports from staff and the public. | |
| 56a | Number of investigations: | | 4 | | |
| 57 | Upon confirmation of the illicit connection, used enforcement authority to eliminate the illicit connection within 6 months. (S5.C.8.b.vii(2)) List nature of enforcement actions in <i>Comments</i> field. | NA | | Of the four incidents investigated, one proved to have a connection. It was potable water from the emergency overflow from a water storage tank used for irrigation. The cause of the overflow was voluntarily repaired by the water utility. While the emergency overflow is still connected, it is not considered an illicit connection. | |
| 57a | Number of enforcement actions: | | 0 | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|---|------------|---|--------------------------|---|
| 57b | Number of illicit connections eliminated: | | 0 | | |
| 58 | Contacted Ecology immediately upon discovering an illicit connection presented a severe threat to human health or the environment. (S5.C.8.b.vii(3). See also question 7 of this report.) | NA | | None were discovered. | |
| 58a | Number of illicit connections identified as presenting severe threat to human health or the environment: | | 0 | | |
| 59 | Referred to Ecology illicit connection(s) after making a good faith and documented effort of progressive enforcement to terminate the violation(s). (S5.C.8.b.vii(3)) | Y | | | |
| 59a | Number of referrals to Ecology: | | 0 | | |
| 60 | Participated in a regional emergency response program or developed and implemented procedures to investigate and response to spills and improper disposal into the MS4. (Required by August 15, 2007, S5.C.8.b.vii) | Y | | | |
| 61 | Developed a program to prioritize and investigate complaints/reports or monitoring information that indicate potential illicit discharges, including spills. (Required by August 15, 2007, S5.C.8.b.viii) | Y | | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|---|---|------------|---|--|--|
| S5.C.9 Operation and Maintenance Program | | | | | |
| 62 | Established maintenance standards as protective, or more protective, of facility function than those specified in Chapter 4 of Volume V of the 2005 <i>Stormwater Management Manual for Western Washington</i> , and in accordance with the provisions in S5.C.9.b.i. (<i>Required</i> by August 15, 2008, S5.C.9.b.i) | Y | | Maintenance standards under the 1999 permit were in force until April 2009, when standards equivalent to the 2005 SWMMWW became effective under county code. | |
| 63 | Evaluated and, if necessary, updated existing ordinances or enforceable documents requiring maintenance of all permanent stormwater treatment and flow control facilities, including catch basins, regulated by the Permittee, in accordance with maintenance standards established under S5.C.9.b.i. (<i>Required</i> by August 15, 2008, S5.C.9.b.ii(1)) | Y | | Completed in 2008. | |
| 64 | Developed and implemented an initial inspection schedule for all known, permanent stormwater treatment and flow control facilities (other than catch basins) regulated by the Permittee that involves an inspection of each facility at least once during this permit term. (<i>Required</i> by August 15, 2008, S5.C.9.b.ii(2)) | Y | | | |
| 65 | Developed and implemented an ongoing inspection schedule to annually inspect all stormwater treatment and flow control facilities (other than catch basins) regulated by the Permittee. (<i>Required</i> to begin by February 15, 2011, S5.C.9.b.ii(3)) | NA | | Requirement not yet due. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
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| 66 | Reduced the frequency of inspections to less than annually for stormwater treatment and flow control facilities (other than catch basins) regulated by the Permittee. Indicate in comments below if reduction is based on maintenance records or certification pursuant to S5.C.9.b.ii(3)). | NA | | Not a minimum performance requirement. | |
| 67 | Managing maintenance activities to inspect new permanent stormwater treatment and flow control facilities, including catch basins, in new residential developments every 6 months during period of heaviest construction to identify maintenance needs and enforce compliance. (<i>Required</i> to begin by February 15, 2009, S5.C.9.b.ii(4)) | Y | | Code Enforcement monitored residential subdivision projects after completion of the infrastructure construction. Also, Public Works Operations continued maintenance inspections for projects with heavy home construction (defined as 50 percent of the subdivision lots having active building permits) during 2010. | |
| 68 | Required cleaning of catch basins found to be out of compliance with maintenance standards under the requirements of S5.C.7 (Source Control Program) and S5.C.8 (Illicit Discharges Detection and Elimination) or as part of facilities you regulate and inspected under S5.C.9 (Operation and Maintenance Program). (S5.C.9.b.ii(6)) | Y | | | |
| 69 | Developed and implemented a program to annually inspect all permanent stormwater treatment and flow control facilities (other than catch basins) owned or operated by the Permittee and to implement appropriate maintenance action in accordance with established maintenance standards. (Implementation <i>required</i> to begin by February 15, 2009, S5.C.9.b.iii(1)) | Y | | A program was implemented and comprehensive inspections were performed in 2009 that included 88% of the Public Works inventory. Routine inspections were completed as part of maintenance activities. During 2010, the O and M program implemented new maintenance management system for inspections and managing maintenance work. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|---|------------|---|--|---|
| 70 | Changed the frequency of inspection schedule to less than annually for permanent stormwater treatment and flow control facilities (other than catch basins) owned or operated by the Permittee. Indicate in comments below if reduction is based on maintenance records or certification pursuant to S5.C.9.b.iii(1). | NA | | Not a minimum performance requirement. | |
| 71 | Implemented a program to conduct spot checks of stormwater facilities owned or operated by Permittee (other than catch basins) after major storm events, and to respond to findings, in accordance with S5.C.9.b.iii(2). (<i>Required</i> to begin by February 15, 2009, S5.C.9.b.iii(2)) | Y | | Clark County maintains a list of facilities that require spot inspections for various reasons including known problems due to falling leaves and heavy rainfall. After 2010, this list will be part of the stormwater Maintenance Management System. | |
| 72 | Implemented program to annually inspect catch basins and inlets owned or operated by the Permittee in accordance with the provisions in S5.C.9.b.iv(1). (<i>Required</i> to begin by February 15, 2009, S5.C.9.b.iv(1)) | Y | | Clark County began annual circuit catch basin cleaning under the 1999 permit and continues it under the current permit. | |
| 73 | Changed the frequency of inspection schedule to less than annually for catch basins owned or operated by the Permittee. Indicate in comments below if reduction is based on maintenance records or certification pursuant to S5.C.9.b.iv(2). | NA | | Not a minimum performance requirement. | |
| 74 | Decant water from catch basin cleaning activities is disposed of in accordance with the requirements in Appendix 6. (<i>Required</i> by February 15, 2009, S5.C.9.b.iv(3)) | Y | | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|----------|---|------------|---|---|---|
| 75 | Attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of maintenance or repair activities conducted by the Permittee requiring capital construction of \$25,000 or more. <i>(Required annually beginning with third annual report/for calendar year 2009,</i> | Y | | | See Attachment B. Section 7.2. |
| 76 | Established practices to reduce stormwater impacts associated with runoff from streets, parking lots, roads or highways owned or operated by the Permittee, and road maintenance activities listed in S5.C.9.b.vi conducted by the Permittee. <i>(Required by February 15, 2008, S5.C.9.b.vi)</i> | Y | | Practices were established under the 1999 permit to meet the requirements of Chapter 13.26A CCC and to protect salmon habitat by joining the ESA Regional Forum. | |
| 77 | Implemented the established practices to reduce stormwater impacts associated with runoff from streets, parking lots, roads or highways owned or operated by the Permittee, and road maintenance activities listed in S5.C.9.b.vi conducted by the Permittee. <i>(Required by August 15, 2008, S5.C.9.b.vi)</i> | Y | | Public Works Operations implements the Clark County BMP manuals and the ESA Regional Road Maintenance Program Guidelines. General Services ensures proper maintenance of parking areas at county facilities including annual catch basin cleaning and routine sweeping. | |
| 78 | Established and implemented policies and procedures, which address activities and lands listed in S5.C.9.b.vii, to reduce pollutants in discharges from lands owned or maintained by the Permittee. <i>(Required by August 15, 2008, S5.C.9.b.vii)</i> | Y | | The county established policies and procedures for maintaining its properties under the 1999 permit. The Clark County Pollution Control BMP Manual was updated in 2009 as part of code revisions. | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|--|--|------------|---|--------------------------|---|
| 79 | Developed and implemented an ongoing training program for Permittee employees with primary construction, operations or maintenance job functions that could impact stormwater quality (<i>Required</i> by February 15, 2009, S5.C.9.b.viii.) | Y | | | |
| 80 | Developed and implemented Stormwater Pollution Prevention Plan(s) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not covered under another Ecology-issued stormwater discharge permit. (<i>Required</i> by February 15, 2009, S5.C.9.b.xi) | Y | | | |
| S5.C.10 Education and Outreach Program | | | | | |
| 81 | Implemented or participated in an education and outreach program designed to achieve measurable improvements in understanding of the problem and associated solutions for the target audiences listed in S5.C.10.b. (<i>Required</i> by February 15, 2008, S5.C.10.b.i) | Y | | | |
| 82 | Implemented or participated in an effort to measure understanding and adoption of the targeted behaviors by at least one target audience in at least one subject area (<i>Required</i> to begin February 15, 2008, S5.C.10.b.ii) | Y | | | |
| S7. Compliance with Total Maximum Daily Load Requirements | | | | | |
| 83 | Is there a Total Maximum Daily Load (TMDL) listed in Appendix 2 applicable to you? (S7) | N | | | |

| Question | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, if applicable |
|---|------------|---|---|---|
| <p>84 Attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of the status of TMDL implementation activities conducted by the Permittee, and/or on behalf of the Permittee, including as applicable:</p> <ul style="list-style-type: none"> • How TMDL-related activities are incorporated into the SWMP or other permit requirements, such as monitoring • Any lists or inventories required • Description of inspections, including total number of sites targeted and number of inspections conducted • Any specific deadlines or milestones reached in the reporting term and associated dates • Selected monitoring and implementation approaches, where options are described in Appendix 2 • Other information necessary to provide a summary of the TMDL implementation status | NA | | TMDLs for Salmon Creek and Gibbons Creek include load allocations for nonpoint sources but no waste load allocations applicable to the NPDES permit. TMDL plans include Clark County performing actions to comply with the NPDES municipal stormwater permit. | |
| 85 If applicable, complied with the specific requirements identified in Appendix 2. (S7.A) | NA | | None apply to Clark County. | |
| S8. Monitoring | | | | |
| 86 During the reporting period, stormwater monitoring studies involving the Permittee's MS4 were conducted by the Permittee, on behalf of the Permittee, or were reported to the Permittee and attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) is a brief description of the type of information gathered or received. (S8.B.1) | Y | | One study in the Lakeshore subwatershed collected standard water quality grab samples from at least one stormwater discharge point. That study was completed in 2010. | See Attachment B. Section 6. |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|---|---|------------|---|---|--|
| General Conditions | | | | | |
| 87 | Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20) | NA | | Verbally informed Ecology of schedule to begin monitoring at S8 sites. Ecology requested periodic reports until monitoring was under way. Clark County provided reports through mid 2010, at which time monitoring was under way. | |
| 88 | Notified Ecology in cases where the Permittee becomes aware of a discharge into or from the Permittee's MS4 which could constitute a threat to human health, welfare, or the environment? (G3) | NA | | One notification was made (reported on question 45a) but the discharge was to a privately-owned class V injection well not connected to the MS4. The problem was handled locally. | |
| 88a | Took appropriate action to correct or minimize discharges into or from the Permittee's MS4 which could constitute a threat to human health, welfare, or the environment? (G3) | NA | | No actions needed in 2010. | |
| S9. Low Impact Development (LID) Reporting | | | | | |
| 89 | Attached (as part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of barriers to implementation of Low Impact Development, and any actions taken to remove the barriers (S9.E.10). | Y | | | |
| 90 | Attached (As part of the Program Evaluation and Other Activities narrative in Section VII.B) a summary of the extent to which basin or watershed planning is being conducted in the Permittee's jurisdiction, either voluntarily, or pursuant to the Growth Management Act or any other requirement (S9.E.11). | Y | | | |

| Question | | Y/N/ NA | # | Comments (50 word limit) | Name of Attachment & Page #, <u>if applicable</u> |
|------------------------|---|------------|---|--------------------------|--|
| 91 | Attached (As part of the Program Evaluation and Other Activities narrative in Section VII.B) identified areas for potential basin or watershed planning that can incorporate development strategies as a water quality management tool to protect aquatic resources. This reporting requirement is due only in the Annual Report for calendar year 2010 (S9.E.12). | Y | | | |
| S8.H Monitoring | | | | | |
| 92 | Attached (per Section VIII) the Annual Stormwater Monitoring Report(s) for S8.D, S8.E and S8.F (S8.H and S9.E.5). | Y | | | See Attachment D. |

VII. Annual Report Attachments

A. Annual Update of Stormwater Management Program Document (S5.A.1 and S9.E)

B. Program Evaluation and Other Activities Narrative

C. Changes in Permit Area due to Annexations

D. Section VIII. Monitoring Report for S8 Activities

E. Agreed Order 7273 Flow Restoration Program Report