



**MINIMUM CONTROL MEASURE #1:
PUBLIC EDUCATION AND OUTREACH (Part IV.B.1 General Permit)**

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.1.b.1	Provide a General Summary of activities implemented to educate your community on how to reduce storm water pollution. For TMDL affected areas, with storm water associated pollutants of concern, indicate rationale for choosing the education activity. List materials used for public education and topics addressed. Summarize implementation status and discuss if the activity is appropriate and effective.
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1. Hand out of water quality and storm water runoff educational brochures to employees;
 2. Using newspaper and cable television to educate our population and to advertise our website
 3. Educating employees by providing training at specific and general informational meetings.
- Environmental and PAO responsible for education of employees and tenants.
All training activities were effective and appropriate. No TMDL requirements are in place for NAVSTANPT at this time.

IV.B.1.b.2	Provide a general summary of how the public education program was used to educate the community on how to become involved in the municipal or statewide storm water program. Describe partnerships with governmental and non-governmental agencies used to involve your community.
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All of the listed strategies were implemented during each year of the permit. Water quality and storm water runoff educational brochures were created and sent to all NAVSTANPT residents and employees during the first year of the permit. These brochures are also given out to new residents as they move into our housing areas. A storm water section was developed and posted on the NAVSTANPT Environmental (NAVSTA ED) website during the first year and has been updated and maintained during each year of the permit. NAVSTANPT pollution prevention, hazardous material and hazardous waste coordinators were trained on storm water pollution prevention and given an information packet to review and pass onto all employees in their areas. The overall message was about educating the target audience concerning local BMPs including cleaning sand and debris from the top and sides of catch basins, not washing the street or work area into catch basins, and picking up solid waste from areas around storm drains. The storm water program has been reviewed and discussed at the pollution prevention committee meetings during each year of the permit. In April of 2010, NAVSTANPT held a base cleaning operation as part of Earth Day celebrations where employees picked up trash and debris around the base. This action aided NAVSTANPT in decreasing the debris collected in catch basins.

Additional Measurable Goals and Activities: Please indicate if the following training sessions were attended and list the name(s) and municipal position of all staff who attended the training. (Please note that participation in these trainings was not required.)

Attendance at the following trainings if applicable:

Preview of the Draft MS4 General Permit – Public Education and Involvement Measures (03/12/2010)

Attending name of staff and title: _William Monaco, Civil Engineer

Attending name of staff and title: _____

Preview of the Draft MS4 General Permit – IDDE and Pollution Prevention and Good Housekeeping Measures (04/09/2010)

Attending name of staff and title: _ William Monaco, Civil Engineer _

Attending name of staff and title: _____

Preview of the Draft MS4 General Permit – Construction and Post-Construction Measures (07/08/2010)

Attending name of staff and title: William Monaco, Civil Engineer ____

Attending name of staff and title: _Deb Moore, Environmental Engineer__

RI Stormwater Design and Installation Manual – Final Draft Informational Session (05/26/2010, 06/02/2010)

Attending name of staff and title: William Monaco, Civil engineer

Attending name of staff and title: _ Deb Moore, Environmental Engineer

Institutionalizing Stormwater Education in Rhode Island (06/03/2010)

Attending name of staff and title: _____

Attending name of staff and title: _____

Demonstration of the new ASIST Program Management Software (08/10/2010)

Attending name of staff and title: _____

Attending name of staff and title: _____

Stormwater Education Training: Using the Enviroscope Model (11/03/2010)

Attending name of staff and title: _____

Attending name of staff and title: _____

Rhode Island Regulatory Setbacks and Buffers (12/02/2010)

Attending name of staff and title: _____

Attending name of staff and title: _____

Other Trainings:



**MINIMUM CONTROL MEASURE #2:
PUBLIC INVOLVEMENT/PARTICIPATION (Part IV.B.2 General Permit)**

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as types of activities and audiences/groups engaged. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.2.b.2.ii	Describe audiences targeted for the public involvement minimum measure, include a description of the groups engaged, and activities implemented and if a particular pollutant(s) was targeted. If addressing TMDL requirements indicate how the audience(s) and/or activity address the pollutant(s) of concern. Name of person(s) and/or parties responsible for implementation of activities identified. Assess the effectiveness of BMP and measurable goal.
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The NAVSTA ED, Public Affairs Office (PAO) and the Installation Commanding Officer (ICO) are responsible to achieve our public involvement goals. Our strategies to achieve these goals include:

1. Tenant environmental staff meeting briefings;
2. ED presentation of SWMP at pollution prevention committee meetings;
3. ED coordination with PAO concerning public inquires;
4. NAVSTANPT public notice for draft annual report.

The target audience for NAVSTANPT's storm water system has been identified as all employees and residents of the station (including all tenant commands). The target audience has been given a copy of the storm water program brochure and training has been given to representatives from each tenant command and to the pollution prevention committee during their regular scheduled meetings.

Additional Measurable Goals and Activities N/A

SECTION II. Public Notice Information (IV.G.2.h and IV.G.2.i) *Note: attach copy of public notice

Date of Public Notice: Date included as attachment (1)	How public was notified:
Was public meeting held? YES NO	
Date:	Where:
Summary of public comments received:	
Planned responses or changes to the program:	



MINIMUM CONTROL MEASURE #3: ILLCIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 General Permit)

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS

Include information relevant to the implementation of each measurable goal, such as activities implemented (when reporting tracked and eliminated illicit discharges, please explain the rationale for targeting the illicit discharge) to comply with on-going requirements, and illicit discharge public education activities, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.3.b.1:	Indicate if the outfall map was not completed, reasons why, proposed schedule for completion of requirement and person(s)/ Department responsible for completion. (The Department recommends electronic submission of updated EXCEL Tables if this information has been amended.) Date of Completion:
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The Public works department updated the outfall maps in October 2004, Dec 2007 and will be completed again in Feb 2011. An electronic copy of the 2007 update was submitted with the 2007 annual report as attachment (2). The RIDEM provided excel tables were included in the 2009 report on the CD as attachment (2).

IV.B.3.b.2	Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2010 calendar year.
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N/A

IV.B.3.b.3	Provide a summary of the implementation of recording of system additional elements (catch basins, manholes, and/or pipes). Indicate if the activity was implemented as a result of the tracing of illicit discharges, new MS4 construction projects, and inspection of catch basins required under the IDDE and Pollution Prevention and Good Housekeeping Minimum Measures, and/or as a result of TMDL related requirements and/or investigations. Assess effectiveness of the program minimizing water quality impacts.
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The 2010 mapping updates of the storm water maps are scheduled to be completed in February of 2011 after several construction projects at NAVSTANPT are complete. This update includes recording of all additional elements of the storm water system for all sections of the Naval Station in GPS format. These maps will be submitted to RIDEM upon their completion.

IV.B.3.b.4	Indicate if the IDDE ordinance was not developed, adopted and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement. Date of Adoption: If the Ordinance was amended in 2010, please indicate why changes were necessary.
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Instruction 5090.23, Storm Water Illicit Discharge Control, outlining procedures to find, prioritize, track, eliminate and prohibit illicit discharges in our system was issued on 16 February 06 (included as attachment 3 in 2006 Annual Report). Please note that Naval instructions are equivalent to town ordinances, and are certified through the Commanding Officer's signature. No changes made in 2010.

IV.B.3.b.5.ii, iii, iv, & v	Provide a summary of the implementation of procedures for receipt and consideration of complaints, tracing the source of an illicit discharge, removing the source of the illicit discharge and program evaluation and assessment as a result of removing sources of illicit discharges. Identify person(s) / Department and/or parties responsible for the implementation of this requirement.
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Instruction 5090.23, Storm Water Illicit Discharge Control, outlining procedures to find, prioritize, track, eliminate and prohibit illicit discharges in our system was issued on 16 February 06 (included as attachment 3 in 2006 Annual Report). Please note that Naval instructions are equivalent to town ordinances, and are certified through the Commanding Officer's signature.

ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd

IV.B.3.b.5.vi	Provide summary of implementation of catch basin and manhole inspections for illicit connections and non-storm water discharges. If the required measurable goal of inspecting all catch basins and manholes for this purpose was not accomplished, please indicate reasons why, the proposed schedule of completion and identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement. The operator must keep records of all inspections and corrective actions required and completed.
Catch basins and manholes were inspected by the ESS Group in 2006 for any illicit connections and non-storm water discharges. The ESS Group was then awarded a contract to trace these flows back through piping, catch basins and manholes to their origins. The tracing was completed in November of 2007. A total of 36 illicit discharges were originally found. All were traced back to their origin and corrected if required. The illicit discharge report was submitted in the 2007 annual report as attachment (3). A clarification of these results were included in this 2009 report on the CD as attachment (3). In addition, all manholes and catch basins were inspected again in 2010 for illicit discharges as part of the updating of our maps. Any additional illicit discharges will be noted a, investigated and corrected as necessary.	
IV.B.3.b.5.vii	If dry weather surveys including field screening for non-storm water flows and field tests of selected parameters and bacteria were not completed, indicate reasons why, proposed schedule for the completion of this measurable goal and person(s) / Department and/or parties for the completion of this requirement. Evaluate effectiveness of the implementation of this requirement. The results of the dry weather survey investigations must be submitted to RIDEM electronically, if not already submitted or if revised since 2009, in the RIDEM provided EXCEL Tables and should include visual observations for all outfalls during both the high and low water table timeframes, as well as sample results for those outfalls with flow. Date of Completion:
Two dry weather flows sampling events were completed at NAVSTANPT. The Jan1-Apr 30 testing was completed in 2007 and the data was submitted in the 2007 annual report as attachment (4). The Jul 1 – Oct 31 testing was completed in 2005 and included sanitary sewer bacterial testing. This data was also submitted in the 2007 annual report as attachment (5). The data has been compiled and put into the excel spread sheet provided by RIDEM and was included in the 2009 report on the CD as attachment (2).	
IV.B.3.b.7	Provide a description of efforts and actions taken as a result of for coordinating with other physically interconnected MS4s, including State and federal owned or operated MS4s, when illicit discharges were detected or reported. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
Procedures are in place in the form of the Naval Station instructions to coordinate with local communities when an illicit discharge is found. No illicit discharge from a local community has been found to date.	
IV.B.3.b.8	Provide a description of efforts and actions taken for the referral to RIDEM of non-storm water discharges not authorized in accordance to Part I.B.3 of this permit or another appropriate RIPDES permit, which the operator has deemed appropriate to continue discharging to the MS4, for consideration of an appropriate permit. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
Procedures are in place to report to RIDEM any non-storm water discharges found that are not covered by this permit. None have been found to date.	
IV.B.3.b.9	Provide a description of efforts and actions taken to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste, as well as allowable non-storm water discharges identified as significant contributors of pollutants. Include a description on how this activity was coordinated with the public education minimum measure and the pollution prevention/good housekeeping minimum measure programs. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.

ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd

The general population of NAVSTANPT (during regular training sessions), has been informed of the hazards associated with illicit discharges and improper disposal of waste as well as allowable non-storm water discharges found to be significant contributors of pollutants to the MS4. Instruction 5090.23 outlines the responsibilities of all individuals to find, prioritize, track, eliminate and prohibit illicit discharges in our storm water system. Please note that Naval instructions are equivalent to town ordinances, and are certified through the Commanding Officer's signature.

Additional Measurable Goals and Activities N/A

SECTION II.A Other Reporting Requirements - Illicit Discharge Investigation and System Mapping (Part IV.G.2.m)

# of Illicit Discharges Identified in 2010: 0	# of Illicit Discharges Tracked in 2010: 0
# of Illicit Discharges Eliminated in 2010: 0	# of Complaints Received: 0
# of Complaints Investigated: 0	# of Violations Issued: 0
# of Violations Resolved: 0	# of Unresolved Violations Referred to RIDEM: 0
Total # of Illicit Discharges Identified to Date: 38	Total # of Illicit Discharges remaining unresolved at the end of 2010: 0
Summary of Enforcement Actions: N/A	
Extent to which the MS4 system has been mapped: The system has been mapped to about 95%, a new update is scheduled to be received in February of 2011.	
Total # of Outfalls Identified and Mapped to Date: 142	

SECTION II.B Interconnections (Part IV.G.2.k and IV.G.2.l)

Interconnection:	Date Found:	Location:	Name of Connectee:	Originating Source:	Planned and Coordinated Efforts and Activities with Connectee:
N/A					



**MINIMUM CONTROL MEASURE #4:
CONSTRUCTION SITE STORM WATER RUNOFF CONTROL (Part IV.B.4 General Permit)**

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.4.b.1	Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites ordinance was not developed, adopted and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement. Date of Adoption: 12 April 05 If the Ordinance was amended in 2010 please indicate why changes were necessary.
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Naval Instruction 5090.21, Soil erosion and sediment control, was issued in April 2005 and was submitted in the 2005 annual report as attachment (6). Please note that Naval instructions are equivalent to town ordinances, and are certified through the Commanding Officer's signature. This instruction outlines responsibilities concerning erosion and sediment control of all individuals involved in construction work at NAVSTANPT. No update was completed in 2010.

IV.B.4.b.6	Describe actions taken as a result of receipt and consideration of information submitted by the public.
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Procedures are in place by which the general population may report any issues related to construction, operations, or repair of equipment, infrastructure, or correction of problems on projects. Outside personnel may contact the public affairs office for help if problems are found by non-government employees. No information has been submitted by the public over the life of the permit.

IV.B.4.b.8	Describe activities and actions taken as a result of referring to the State non-compliant construction site operators. The operator may rely on the Department for assistance in enforcing the provisions of the RIPDES General Permit for Storm Water Discharges Associated with Construction Activity to the MS4 if the operator of the construction site fails to comply with the local and State requirements of the permit and the non-compliance results or has the potential to result in significant adverse environmental impacts.
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The Environmental Division of NAVAC would refer any non-compliant contractors to the State if the government were unsuccessful in compelling the contractor to comply with all storm water rules and regulations on NAVSTANPT. No non-compliant construction site operators were referred to the state.

Additional Measurable Goals and Activities N/A

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL cont'd

SECTION II. A - Plan and SWPPP Reviews during Year 7 (2010) Part IV.B.4.b.2: Issuance of permits and/or implementation of policies and procedures for all construction projects resulting in land disturbance of greater than 1 acre.

IV.B.4.b.4: Review 100% of plans and SWPPPs for construction projects resulting in land disturbance of 1-5 acres must be conducted by adequately trained personnel and incorporate consideration of potential water quality impacts.

of Construction Reviews completed: completed 11 new reviews
<p>Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement. Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.</p> <p>NAVFAC Environmental and construction personnel are is responsible to achieve our construction site runoff sediment controls. In October of 2004, base instruction 5090.18, Environmental Review of Contracts and Projects (included in 2006 annual report as attachment 4) was issued requiring all contracts put out for bid at NAVSTANPT be reviewed by the Environmental Department for all media including storm water issues. In 2010, 100% of all contracts were reviewed for sediment and storm water runoff controls even if the site was less than one acre in size.</p> <p>IV.B.4.b.4 Base instruction 5090.18 - Environmental review of Contracts and Projects requires all projects greater than 1 acre to submit a SWPPP to the ED for approval. The ED submits the NOI to the RIDEM for all projects over 1 acre when no other state agencies have reviewed the project.</p>

SECTION II.B - Erosion and Sediment Control Inspections during Year 7 (2010) (Part IV.G.2.n) Part IV.B.4.b.7: Inspection of 100% of all construction projects within the regulated area that discharge or have the potential to discharge to the MS4 (the program must include two inspections of all construction sites, first inspection to be conducted during construction for compliance of the Erosion and Sediment controls at the site, the second to be conducted after the final stabilization of the site).

# of Site Inspections: 4 sites inspected weekly	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
<p>Summary of Enforcement Actions, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.</p> <p>NAVFAC personnel inspected the sites on a daily basis. Any damaged sediment controls were fixed within 24 hours of discovery. All contracts have clauses for assessment of monetary damages if deficiencies in sediment and storm water control are not corrected in a timely manor</p>	



**MINIMUM CONTROL MEASURE #5:
POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND
REVELOPMENT
(Part IV.B.5 General Permit)**

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints, etc. Please indicate if any projects have incorporated the use of Low Impact Development techniques. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.5.b.5	Describe activities and actions taken to coordinate with existing State programs requiring post-construction storm water management.
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NAVSTANPT submits all projects to CRMC for review (which includes storm water controls) and is incorporating LID into all projects being designed beginning in 2011. Two projects were built with LID storm water controls in 2010, and another two are scheduled to be built in 2011. No TMDL is in place for NAVSTANPT receiving waters.

IV.B.5.b.6	Describe actions taken for the referral to RIDEM of new discharges of storm water associated with industrial activity as defined in RIPDES Rule 31(b)(15) (the operator must implement procedures to identify new activities that require permitting, notify RIDEM, and refer facilities with new storm water discharges associated with industrial activity to ensure that facilities will obtain the proper permits).
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Any new discharges of industrial activity must be approved by the ED prior to start. If requested, the new industrial activity would be added to the NAVSTANPT industrial SWPPP and provisions will be made to inspect the operation yearly. New activities would be reported to the state with revisions in the SWPPP for the base. No new industrial activities commenced in 2009.

IV.B.5.b.9	Indicate if the Post-Construction Runoff from New Development and Redevelopment Ordinance was not developed, adopted and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement. Date of Adoption: 14 October 2004 If the Ordinance was amended in 2010 please indicate why changes were necessary.
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Base instruction 5090.18, Environmental review of Contracts and Projects, requires all projects greater than 1 acre to submit a SWPPP to the ED for approval. The ED submits the NOI to the RIDEM for all projects over 1 acre when no other state agencies have reviewed the project. This instruction also requires post construction inspection and maintenance for the systems. Submitted in the 2006 Annual Report as attachment (4). The ordinance has not been changed.

IV.B.5.b.12	Describe activities and actions taken to identify existing storm water structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.
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All existing structural BMPs have been identified and are listed under Minimum Control Measure #6, Section III.A of this report. Each BMP is inspected, cleaned and maintained under contract number 08-D-2603. In addition, NAVSTANPT inspects nine (9) industrial sites and copies of the inspection reports are included in this 2010 annual report as attachment (2)

Additional Measurable Goals and Activities
N/A

POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT
cont'd

SECTION II.A. - Plan and SWPPP Reviews during Year 7 (2010) Part IV.B.5.b.4: Review 100% of post-construction BMPs for the control of storm water runoff from new development and redevelopment projects that result in discharges to the MS4 which incorporates consideration of potential water quality impacts (the program requires reviewing 100% of plans for development projects greater than 1 acre, not reviewed by other State programs).

of Post-Construction Reviews completed:
Summary of Reviews and Finding, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.
NAVFAC Environmental Division personnel are responsible to review the SWPPPs, all reviews ended in suitable designs in the drawings for storm water structures and BMPs

SECTION II.B. - Post Construction Inspections during Year 7 (2010): Parts IV.G.2.o and IV.B.5.b.10 Proper Installation of Structural BMPs: Inspection of BMPs, to ensure these are constructed in accordance with the approved plans (the program must include inspection of 100% of all development greater than one acre within the regulated areas that result in discharges to the MS4 regardless of whom performs the review).

# of Site Inspections: One project was completed in 2010 and inspected	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Enforcement Actions: N/A	

SECTION II.C. - Post Construction Inspections during Year 7 (2010): Parts IV.G.2.p and IV.B.5.b.11 Proper Operation and Maintenance of Structural BMPs (Part) Describe activities and actions taken to track required Operations and Maintenance (O&M) actions for site inspections and enforcement of the O&M of structural BMPs. Tracking of required O&M actions for site inspections and enforcement of the O&M of structural BMPs.

# of Site Inspections:	# of Complaints Received:
# of Violations Issued:	# of Unresolved Violations Referred to RIDEM:
Summary of Activities and Enforcement Actions. Evaluate the effectiveness of the Program in minimizing water quality impacts. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.	
All structural BMPs were inspected in 2010 along with the 2959 catch basins and manholes listed on our latest drawings. All structural BMPs were cleaned and 600 of the catch basins and manholes were cleaned in 2010 completing the cleaning of all manholes and catch basins.	



**MINIMUM CONTROL MEASURE #6:
POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS
(Part IV.B.6 General Permit)**

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:

Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)

IV.B.6.b.1.i	Describe activities and actions taken to identify structural BMPs owned or operated by the small MS4 operator (the program must include identification and listing of the specific location and a description of all structural BMPs in the SWMPP and update the information in the Annual Report). Evaluate appropriateness and effectiveness of this requirement.
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The NAVFAC PWD and ED are responsible to ensure procedures to meet goals are put in place. All structural BMPs have been identified and new structures will be added to the cleaning and inspection of catch basins and BMPs contract (new contract was awarded in Feb 2009).

IV.B.6.b.1.ii	Describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement.
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A new contract (08-D-2603) was awarded in February of 2009 to inspect all catch basins and structural BMPs annually and to clean those that require it each year. All structural BMPs were inspected in 2010 along with the 2959 catch basins and manholes listed on our latest drawings. All structural BMPs were cleaned and 600 of the catch basins and manholes were cleaned in 2010. The spread sheet containing the catch basin and manhole inventory and cleaning information is included in this 2010 report on the CD as attachment (3).

IV.B.6.b.1.iii	Describe activities and actions taken to support the requirement of yearly inspection and cleaning of all catch basins (a lesser frequency of inspection based on at least two consecutive years of operational data indicating the system does not require annual cleaning might be acceptable). Evaluate appropriateness and effectiveness of this requirement.
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A new contract (08-D-2603) was awarded in February of 2009 to inspect all catch basins and structural BMPs annually and to clean those that require it each year. All structural BMPs were inspected in 2010 along with the 2959 catch basins and manholes listed on our latest drawings. All structural BMPs were cleaned and 600 of the catch basins and manholes were cleaned in 2010. Many catch basins needed cleaning this year due to heavy sand use in the winter of 2010, no request for a lesser frequency of cleaning will be made at this time.

IV.B.6.b.1.iv	Describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this requirement.
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All road side erosion is required to be stabilized in accordance with Naval instruction 5090.21, Soil erosion and Sediment Control. There are no un-stabilized road side areas that show erosion at this time.

IV.B.6.b.1.v	Describe activities and actions taken to identify and report known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation, for the Department to determine on a case-by-case basis if the scouring or sedimentation is a significant and continuous source of sediments. Evaluate appropriateness and effectiveness of this requirement.
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Heavy rains cause sediment discharge at outfall OU-1. Remediation corrections are being looked at. No project has been initiated yet to correct this problem.

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

IV.B.6.b.1.vi	Indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). Evaluate appropriateness and effectiveness of this requirement.
The Naval Station has implemented a street sweeping program where all streets are swept bi-annually and various parking lots swept monthly. A total of 142 tons of sand was swept and recycled from our streets in 2010, along with 15 tons of sand from cleaning of the catch basins.	
IV.B.6.b.1.vii	Describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.
All catch basins are inspected for floatables and the base is cleaned annually to reduce items that may end up in the storm sewer. In addition, all plans and contract specifications mandate controls on trash and maintenance objects to ensure they are not available for exposure to the storm drain system.	
IV.B.6.b.1.viii	Describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information.
No floatables were removed from the MS4 system in 2010.	
IV.B.6.b.4 and IV.B.6.b.5	Describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to a waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Storm Water Pollution Prevention Plan, and any actions taken to amend the Plan must be kept for record-keeping purposes.
NAVSTANPT has no direct discharges associated with industrial activity, however, we have 9 industrial sites that are included in the SWPPP and are inspected annually. These industrial sites all follow Naval Station's SWPPP which includes implementing different BMPs for each site. Employees are trained on these BMPs and implement them as appropriate. BMPs are reviewed annually and are revised as needed.	
IV.B.6.b.6	Describe all employee training programs used to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance for the past calendar year, including staff municipal participation in the URI NEMO storm water public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.
All industrial sites follow Naval Station's SWPPP which includes implementing different BMPs for each site. Employees are trained on these BMPs and implement them as appropriate. BMPs are reviewed annually and are revised as needed. In addition, several Naval Station planning engineers attended the NEMO workshops on the new storm water manual.	
IV.B.6.b.7	Describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement.
Procedures are in place for assessing potential water quality impacts to existing and new flow management projects. Water quality certifications are obtained for any project that requires dewatering or other such impacts. In addition, all projects are reviewed for flow calculations and implementation of required BMPs to reduce water quality impact.	
Additional Measurable Goals and Activities N/A	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

SECTION III.A - Structural BMPs (Part IV.B.6.b.1.i)

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:
	23 NACC	NAVSTANPT – Parking lot	(1) Vortechncs model #2000
	27 CHI	NAVSTANPT – Parking lot	(3) Vortechncs model #5000; (1) Vortechncs model #7000
	29 CHI	NAVSTANPT – Parking lot	(1) Vortechncs model #7000
	440 CP	NAVSTANPT – Parking lot	(1) Vortechncs model #2000
	1372 CP	NAVSTANPT – NAPS BEQ parking lot	(1) Vortechncs model #4000
	1285 CP	NAVSTANPT – Gas station Parking lot	(1) Vortechncs model #3000
	1312 CP	NAVSTANPT – BEQ parking lot	(2) Vortechncs model #2000
	1320 NUWC	NAVSTANPT – Parking lot	(3) detention ponds
	126T NUWC	NAVSTANPT – Exterior of building	(1) detention pond
	A63 CP	NAVSTANPT – maintenance wash rack	Not in use, system unknown
	A9 CC	NAVSTANPT – transportation building	275 gal oil/water separator, permanently sealed
	1362 CHI	NAVSTANPT – SWOS Parking lot	(1) Vortechncs model #11000
	NUWC – Deerfield Pond	NAVSTANPT – Detention Pond	Pond/wetland
	1354 CP	NAVSTANPT – Navy lodge parking lot	(1) Vortechncs model #7000
	1376 CC	NAVSTANPT – Child care center	(2) Vortechncs model #5000
	80 NUWC	NAVSTANPT – NUWC security	(2) Swales
	1375 CC	NAVSTANPT - North Gate	(1) Vortechncs model #2000
	1383 CP	NAVSTANPT – Gate 2	(1) Vortechncs model #5000
	1373 CC	NAVSTANPT – Fire & Police	(1) Underground detention system
	1377 CHI	NAVSTANPT – Pass & ID office	(1) Vortechncs model #4000
	80 MEL	NAVSTANPT – Tank Farm 1	500 gal oil/water separator
	Tank Ring	NAVSTANPT – Tank Farm 3	500 gal oil/water separator

SECTION II.B - Discharges Causing Scouring or Excessive Sedimentation (Part IV.B.6.b.1.v)

Outfall ID:	Location:	Description of Problem:	Description of Remediation Taken, include dates:	Receiving Water Body Name/Description:
OU-1	N166022.384 E380354.721	Heavy rains cause sediment discharge	Remediation development is in process	Narragansett Bay

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

SECTION II.C - Note any planned municipal construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).

We have several construction projects for started in 2010 which incorporate LID technology on site, they include the construction of a new Reserve Center, the addition to B-1176 NUWC, construction of a new Fitness Center, construction of a new Officer Training Command BEQ, and construction of a new Hazardous Material handling building. These projects are scheduled to be completed in 2011.

SECTION II.D - Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data (Part IV.G.2.e).

N/A



TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS

SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural storm water controls based on an approved TMDL or other water quality determination, please provide an assessment of the progress towards meeting the requirements for the control of storm water identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.

N/A



SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

SECTION I. In accordance with Rule 31(a)(5)(i)G of the *Regulations for the Rhode Island Pollutant Discharge Elimination System* (RIPDES Regs), on or after March 10, 2008, any discharge from a small municipal separate storm sewer system to any Special Resource Protection Waters (SRPWs) or impaired water bodies within its jurisdiction must obtain permits if a waiver has not been granted in accordance to Rule 31(g)(5)(iii). A list of SRPWs can be found in Appendix D of the *RIDEM Water Quality Regulations* at this link:

<http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

The 2008 303(d) Impaired Waters list can be found in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link:

<http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>

If you have discharges from your MS4 (regardless of its location) to any of the listed SRPWs or impaired waters (including impaired waters when a TMDL has not been approved), please provide an assessment of the progress towards expanding the MS4 Phase II Storm Water Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of storm water in these areas. Please indicate a rationale for the activities chosen to protect these waters. Please note that all of the measurable goals and BMPs required by the 2003 MS4 General Permit may not be applicable to these discharges.

N/A