



DEPARTMENT OF PUBLIC WORKS
C O U N T Y O F H U M B O L D T

MAILING ADDRESS: 1106 SECOND STREET, EUREKA, CA 95501-0579
AREA CODE 707

ARCATA-EUREKA AIRPORT TERMINAL
McKINLEYVILLE
FAX 839-3596

AVIATION

839-5401

PUBLIC WORKS BUILDING
SECOND & L ST., EUREKA
FAX 445-7409

ADMINISTRATION 445-7491
BUSINESS 445-7652
ENGINEERING 445-7377
FACILITY MAINTENANCE 445-7493

NATURAL RESOURCES 445-7741
NATURAL RESOURCES PLANNING 267-9540
PARKS 445-7651
ROADS & EQUIPMENT MAINTENANCE 445-7421

CLARK COMPLEX
HARRIS & H ST., EUREKA
FAX 445-7388

LAND USE

445-7205

HUMBOLDT COUNTY PUBLIC WORKS

ASBS COMPLIANCE PLAN

For

KING RANGE ASBS

SHELTER COVE COMMUNITY AREA

HUMBOLDT COUNTY, CA

**Prepared by Humboldt County Public Works for:
State Water Resources Control Board Resolution 2012-0031
General Exception To The California Ocean Plan
For Select Discharges Into Areas of Special Biological Significance,
Including Special Protections for Beneficial Uses**

September 20, 2014

Introduction

On August 18, 2005, the State Water Resources Control Board (SWRCB) notified Humboldt County Department of Public Works to cease storm water and nonpoint source waste discharges into Areas of Special Biological Significance (ASBS) or to request an exception from the California Ocean Plan ASBS waste discharge prohibition. On September 1, 2005, Humboldt County Public Works requested an exception. On March 20, 2012, State Water Resources Control Board (SWRCB) adopted Resolution 2012-0012 (amended by Resolution 2012-0031, June 19, 2012) approving an exception to the California Ocean Plan for the ASBS Waste Discharge Prohibition for Storm Water and Nonpoint Source Discharges (General Exception).

Humboldt County Department of Public Works has prepared this ASBS Compliance Plan in accordance with requirements of Attachment B of the General Exception (Special Protections).

Humboldt County Department of Public Works maintains the public road systems throughout the unincorporated areas of Humboldt County, excluding those operated by State, Federal, or Tribal entities. Specific to ASBS, Humboldt County Public Works maintains the public road system infrastructure in Shelter Cove adjacent to ASBS No. 7, King Range ASBS. Humboldt County Department of Public Works road system infrastructure in the Shelter Cove area includes drainage facilities consisting of isolated segments of roadside ditches and culverts used to convey storm water for the purposes of flood prevention of adjacent roadways and property.

The County of Humboldt was designated for coverage under the NPDES Phase II Small Municipal Separate Storm Sewer System (MS4) Permit (SWRCB Order No. 2013-0001) in the Shelter Cove Area due to discharges from the MS4 to the King Range ASBS. Humboldt County filed a Notice of Intent for coverage under the Phase II MS4 Permit for the Shelter Cove area in addition to other County-jurisdictional areas. The Phase II MS4 Permit, effective July 2013, details storm water program elements required for implementation such as development of legal authority for discharge prohibitions, public education and outreach, illicit discharge detection and elimination, construction site storm water runoff control, post construction storm water management and LID, water quality monitoring, and annual reporting. The Phase II MS4 Permit outlines a compliance schedule for implementing the required storm water program elements.

Many storm water program elements required for compliance with the Phase II MS4 Permit are applicable to the requirements of the Special Protections of the General Exception. This Compliance Plan outlines storm water pollution prevention measures and an implementation schedule for water quality protection of the ASBS through identification of storm water program requirements of the Phase II MS4 Permit and the associated requirements of the Special Protections.

ASBS Compliance Plan

The Special Protections Compliance Plan requirements from Attachment B of the General Exception to the California Ocean Plan are listed below in italics. Storm water program elements and compliance due dates for the Phase II MS4 Permit requirements that accomplish the water quality protection measures of the Special Protections are then listed in the following tables for each respective section.

Special Protections – Section 2.a

The Compliance Plan shall include a map of surface drainage of storm water runoff, showing areas of sheet runoff, prioritize discharges, and describe any structural Best Management Practices (BMPs) already employed and/or BMPs to be employed in the future. Priority discharges are those that pose the greatest water quality threat and which are identified to require installation of structural BMPs. The map shall also show the storm water conveyances in relation to other features such as service areas, sewage conveyances and treatment facilities, landslides, areas prone to erosion, and waste and hazardous material storage areas, if applicable. Include a procedure for updating the map and plan when changes are made to the storm water conveyance system.

Phase II MS4 Permit Element Description	Element Section	Compliance Schedule
Outfall Mapping	E.9.a	June 30, 2015
Illicit Discharge Source/Facility Inventory	E.9.b	June 30, 2015

Additional Details: The preliminary Compliance Plan map for the Shelter Cove area is included in Attachment A.

Special Protections – Section 2.b

The ASBS Compliance Plan shall describe the measures by which all non-authorized non-storm water runoff (e.g. dry weather flows) has been eliminated, how these measures will be maintained over time, and how these measures are monitored and documented.

Phase II MS4 Permit Element Description	Element Section	Compliance Schedule
Legal Authority	E.6.a	June 30, 2015
Enforcement Measures and Tracking	E.6.c	June 30, 2016
Illicit Discharge Source/Facility Inventory	E.9.b	June 30, 2015
Field Sampling to Detect Illicit Discharges	E.9.c	June 30, 2015
Illicit Discharge Detection and Elimination Source Investigations and Corrective Actions	E.9.d	June 30, 2015
Public Education and Outreach	E.7.a	June 30, 2014
Staff and Site Operator Training and Education	E.7.b	June 30, 2016

Special Protections – Section 2.c

For Municipal Separate Storm Sewer Systems (MS4s), the ASBS Compliance Plan shall require minimum inspection frequencies as follows:

- (1) The minimum inspection frequency for construction sites shall be weekly during the rainy season;*
- (2) The minimum inspection frequency for industrial facilities shall be monthly during the rainy season;*
- (3) The minimum inspection frequency for commercial facilities (e.g., restaurants) shall be twice during the rainy season; and*
- (4) Storm water outfall drains equal to or greater than 18 inches (457 mm) in diameter or width shall be inspected once prior to the beginning of the rainy season and once during the rainy season and maintained to remove trash and other anthropogenic debris.*

Phase II MS4 Permit Element Description	Element Section	Compliance Schedule
Construction Site Inspection and Enforcement	E.10.c	June 30, 2015
Storm Drain System and Assessment and Prioritization	E.11.f	June 30, 2015
Maintenance of Storm Drain System	E.11.g	June 30, 2016
Illicit Discharge Source/Facility Inventory	E.9.b	June 30, 2015

Special Protections – Section 2.d

The ASBS Compliance Plan shall address storm water discharges (wet weather flows) and, in particular, describe how pollutant reductions in storm water runoff that are necessary to comply with these special conditions, will be achieved through BMPs. Structural BMPs need not be installed if the discharger can document to the satisfaction of the State Water Board Executive Director (statewide permits) or Regional Water Board Executive Officer (Regional Water Board permits) that such installation would pose a threat to health and safety. BMPs to control storm water runoff discharges (at the end-of-pipe) during a design storm shall be designed to achieve on average the following target levels:

- (1) Table B Instantaneous Maximum Water Quality Objectives in Chapter II of the Ocean Plan;*
or
- (2) A 90% reduction in pollutant loading during storm events, for the applicant’s total dischargers.*

The baseline for these determinations is the effective date of the Exception, except for those structural BMPs installed between January 1, 2005 and the adoption of these Special Protections, and the reductions must be achieved and documented within six years of the effective date.

Identification of necessary BMPs is on hold pending ASBS Outfall Sampling Results

Special Protections – Section 2.e

The ASBS Compliance Plan shall address erosion control and the prevention of anthropogenic sedimentation in ASBS. The natural habitat conditions in the ASBS shall not be altered as a result of anthropogenic sedimentation.

Phase II MS4 Permit Element Description	Element Section	Compliance Schedule
Construction Site Inspection and Enforcement	E.10.c	June 30, 2015
Storm Drain System and Assessment and Prioritization	E.11.f	June 30, 2015
Maintenance of Storm Drain System	E.11.g	June 30, 2016
Permittee Operations and Maintenance Activities (O&M)	E.11.h	June 30, 2016
Staff and Site Operator Training and Education	E.7.b	June 30, 2016
Public Education and Outreach	E.7.a	June 30, 2014
Post-Construction Measures	E.12.a-k	June 30, 2014 or June 30, 2015

Special Protections – Section 2.f

The ASBS Compliance Plan shall describe the non-structural BMPs currently employed and planned in the future (including those for construction activities), and include an implementation schedule. The ASBS Compliance Plan shall include non-structural BMPs that address public education and outreach. Education and outreach efforts must adequately inform the public that direct discharges of pollutants from private property not entering an MS4 are prohibited. The ASBS Compliance Plan shall also describe the structural BMPs, including any low impact development (LID) measures, currently employed and planned for higher threat discharges and include an implementation schedule. To control storm water runoff discharges (at the end-of-pipe) during a design storm, permittees must first consider, and use where feasible, LID practices to infiltrate, use, or evapotranspire storm water runoff on-site, if LID practices would be the most effective at reducing pollutants from entering the ASBS.

Phase II MS4 Permit Element Description	Element Section	Compliance Schedule
Storm Drain System and Assessment and Prioritization	E.11.f	June 30, 2015
Maintenance of Storm Drain System	E.11.g	June 30, 2016
Public Education and Outreach	E.7.a	June 30, 2014
Staff and Site Operator Training and Education	E.7.b	June 30, 2016
Post-Construction Measures	E.12.a-k	June 30, 2014 or June 30, 2015

Special Protections – Section 2.g

The BMPs and implementation schedule shall be designed to ensure that natural water quality conditions in the receiving water are achieved and maintained by either reducing flows from impervious surfaces or reducing pollutant loading, or some combination thereof.

Phase II MS4 Permit Element Description	Element Section	Compliance Schedule
Storm Drain System and Assessment and Prioritization	E.11.f	June 30, 2015
Maintenance of Storm Drain System	E.11.g	June 30, 2016
Public Education and Outreach	E.7.a	June 30, 2014
Staff and Site Operator Training and Education	E.7.b	June 30, 2016
Post-Construction Measures	E.12.a-k	June 30, 2014 or June 30, 2015

Special Protections – Section 2.h

If the results of the receiving water monitoring described in IV.B. of the Special Protections indicate that the storm water runoff is causing or contributing to an alteration of natural ocean water quality in the ASBS, the discharger shall submit a report to the State Water Board and Regional Water Board within 30 days of receiving the results.

- (1) The report shall identify the constituents in storm water runoff that alter natural ocean water quality and the sources of these constituents.*
- (2) The report shall describe BMPs that are currently being implemented, BMPs that are identified for future implementation, and any additional BMPs that may be added to address the alteration of natural water quality. The report shall include a new or modified implementation schedule for the BMPs.*
- (3) Within 30 days of the approval of the report by the State Water Board Executive Director (statewide permits) or Regional Water Board Executive Officer (Regional Water Board permits), the discharger shall revise its ASBS Compliance Plan to incorporate any new or modified BMPs that have been or will be implemented, the implementation schedule, and any additional monitoring required.*
- (4) As long as the discharger has complied with the procedures described above, the discharger does not have to repeat the same procedure for continuing or recurring exceedances of natural ocean water quality conditions due to the same constituent.*
- (5) The requirements of this section are in addition to the terms, prohibitions, and conditions contained in these Special Protections.*

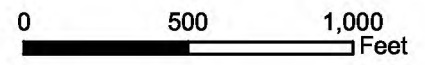
Dependent on identification of receiving water monitoring location and monitoring results.

Legend

- Culvert/Pipe Outfall
- ▲ Sheet Flow Outfall
- Stream
- Phase II Permit Boundary



Imagery: USDA NAIP (2012)
 Created: September 2014
 Humboldt County Public Works
 All Locations Are Approximate



Shelter Cove Community Area
 King Range ASBS, Humboldt County, California

ASBS Compliance Plan Map