County of Sacramento

Department of General Services

Parking Facilities Stormwater Management Program

Prepared by the
Safety, Environmental and Training Office

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1.0 Program Overview

The County of Sacramento's Municipal Stormwater Permit (see Appendix A) requires inspection and maintenance procedures for County-owned parking facilities exposed to rainfall. The purpose of this requirement is to prevent the buildup of debris and excessive oil on parking lot surfaces. Pollutants such as oil, grease and sediment can accumulate on parking lot surfaces. These pollutants may come in contact with rainfall or stormwater runoff and be carried to local creeks and rivers.

The County of Sacramento, Department of General Services (DGS), Facilities Management maintains facilities subject to this requirement. DGS has developed and implemented the Parking Facilities Stormwater Management Program to meet the requirement. The purpose of this program is to implement procedures to reduce or eliminate the discharge of pollutants from DGS parking facilities to our waterways.

The primary objectives of the Parking Facilities Stormwater Management Program is to:

- Conduct regular inspections of parking facilities to assess maintenance needs.
- Perform maintenance on parking facilities based on inspection observations to reduce source pollutants.

DGS will document compliance activities for the previous fiscal year (July 1 through June 30) and submit an annual report to the County of Sacramento, Department of Water Resources, Stormwater Quality Program by August 1 of each year.

2.0 Program Administration

The DGS Parking Facilities Stormwater Management Program is administered by the DGS Safety, Environmental and Training Office. The Safety, Environmental and Training Office will provide oversight of the program and will be responsible for the following:

- Maintain and revise the program on as needed basis;
- Act as an educational resource and provide guidance to DGS employees and tenants;
- Conduct annual visual inspections of all applicable parking lots;
- Coordinate maintenance activities; and
- Document compliance activities and submit an annual report.

2.1 Contact Information

Program documents, compliance records and annual reports are maintained by the following:

Department	Contact
DGS Safety, Environmental and Training Office	Yolanda D. Grigsby 10545 Armstrong Ave. 202 C Mather, CA 95655 (916) 876-6177
DGS Facilities Management Bradshaw District	Dick Schanzenbach 4000 Bradshaw Road Sacramento, CA 95827 (916) 875-4205
DGS Parking Division	Joe Lienert 730 7th Street Sacramento, CA 95814 (916) 874-8256
Sacramento Public Library Authority (SPLA)	Dennis Nilsson 828 I Street Sacramento, CA 95814 (916) 264-2992

3.0 Parking Facilities Criteria

Parking facilities meeting the following criteria are included in the program:

- County-owned and DGS maintained;
- Exposed to rainfall;
- Contains a minimum of 5000 square feet (equals approximately 25 parking spaces); and
- Stormwater runoff from the facility discharges to the storm drainage system.

Parking facilities listed in Table 1 and located on Plate 1 meet the above criteria and are included in the program.

The program does not include:

- Leased facilities and associated areas;
- Paved areas used for storage of equipment; and
- Facilities located in the combined system (Plate 2) where stormwater runoff does not discharge to the storm drainage system.

DGS PARKING LOT INVENTORY					
FACILITY CODE	FACILITY	TENANT	ADDRESS	PARKING SPACES	CONTACT
173	Arcade Library	SPLA	2443 Marconi Ave.	227	Dennis Nilsson
152	Arden-Dimick Library	SPLA	891 Watt Ave.	71	Dennis Nilsson
134	Carmichael Library	SPLA	5605 Marconi Ave.	99	Dennis Nilsson
154	Sylvan Oaks Library	SPLA	6700 Auburn Blvd.	93	Dennis Nilsson
175	Fair Oaks Library	SPLA	11601 Fair Oaks Blvd.	74	Dennis Nilsson
156	Rancho Cordova Library	SPLA	9845 Folsom Blvd.	88	Dennis Nilsson
155	Southgate Library	SPLA	6132 66th Ave.	85	Dennis Nilsson
145	North Highlands Library	SPLA	4235 Antelope Rd	101	Dennis Nilsson
126	Walnut Grove Facility	SPLA	14177 Market St	34	Dennis Nilsson
202	Sheriff's North Garage	County	5510 Garfield Rd.	204	Dick Schanzenbach
971	Carol Miller Justice Center	State Justice Dept.	301 Bicentennial Circle	478	Joe Lienert
208	Sheriff's South Garage	County	9250 Bond Rd.	184	Dick Schanzenbach
344	VRE Warehouse/Florin Station	County	7000 65th St.	400	Dick Schanzenbach
508	Sheriff Work Release Human Asst Detox. Center	Sheriffs/Vols of Amer.	700 North 5th St	99	Dick Schanzenbach
105	Boys Ranch	County	14049 Boys Ranch Rd	63	Dick Schanzenbach
80/200	Rio Cosumnes Correctional Center	County	12500 Bruceville Rd.	273	Dick Schanzenbach
840	North County Corporation Yard	County	5026 Don Julio Blvd.	224	Dick Schanzenbach
76	Sheriff's Range House	County	12700 Bruceville Rd.	71	Dick Schanzenbach
66	Juvenile Court Resources	State Justice Dept.	9555 Kiefer Blvd.	37	Dick Schanzenbach
96	B.T. Collins Juvenile Center - west	State Justice Dept.	9605 Kiefer Blvd.	191	Dick Schanzenbach
96	B.T. Collins Juvenile Center - east	State Justice Dept.	9605 Kiefer Blvd.	549	Dick Schanzenbach
380	Warren Thornton Youth Center	State Justice Dept.	4000 Branch Center Rd.	54	Dick Schanzenbach
229	William K. Morgan Alternative Center	State Justice Dept.	3990 Branch Center Rd.	48	Dick Schanzenbach
8	Branch Center Motor Pool	County	3800 Branch Center Rd.	135	Dick Schanzenbach
222	OCIT	County	3700 Branch Center Rd.	28	Dick Schanzenbach
418	General Services Central Stores – east/west	County	9650 Goethe Rd.	54	Dick Schanzenbach
419	Agriculture - east	County	9660 Agriculture Lane	59	Dick Schanzenbach
204	Traffic Way	County	4100 Traffic Way	95	Dick Schanzenbach
207	Traffic Way	County	4135 Traffic Way	113	Dick Schanzenbach
119	Animal Control - north	County	4290 Bradshaw Rd.	27	Dick Schanzenbach
231	Parks and Recreation	County	4040 Bradshaw Rd.	95	Dick Schanzenbach
224	Facilities Management	County	4000 Bradshaw Rd.	58	Dick Schanzenbach
226	Water Quality	County	9660 Ecology Lane	184	Dick Schanzenbach
221	OB-3/Health and Human Services	County	3701 Branch Center Rd.	132	Dick Schanzenbach
251	Fleet Services Division	County	4001 Branch Center Rd	391	Dick Schanzenbach

Table 1

4.0 Maintenance Program

Annual inspections and maintenance of the parking facilities are to be performed prior to the rainy season (beginning October 1 of each year).

4.1 Inspections

Visual inspections of all parking facilities addressed by this program are conducted based on the following procedures:

- Inspected once per year prior to September 1 to ensure adequate time is available to complete maintenance activities prior to October 1;
- Performed to coincide with minimal usage of parking facilities and, if possible, during off hours;
- Visually inspect for the presence of potential stormwater pollutants;
- Document inspection findings and maintenance activities on the Parking Facility Inspection and Maintenance Form (Appendix A); and
- Maintain records of parking lot inspection and maintenance activities.

4.2 Additional Inspections

A 10,000-gallon JPHV-30000 High Velocity Jensen Pre-Cast stormwater interceptor is located at the Fleet Services Division facility located in the parking lot at 4001 Branch Center Road. The interceptor was installed in 2006 and receives stormwater runoff from a three-acre parcel. The system is visually inspected three times a year by KriStar Enterprises Inc. and will be monitored for spent hydrocarbon mats and the presence of sediments. The interceptor will be maintenanced on an as needed basis.

4.3 Maintenance Activities

Maintenance activities are based on field inspections and observations. Typical pollutants and maintenance actions are described in Table 2.

Pollutant	Maintenance Indicator	Action
Automotive Fluids	• Presence of free liquid, leaks, spills, drips, etc.	• Cleanup immediately with absorbent material.
	• Excessive/heavy buildup penetrated onto surface.	• Use mechanical dry methods to clean polluted surface prior to October 1.

Sediment	• Any observed.	• Clean polluted surface prior to October 1. Identify and mitigate cause of sediment pollution.
	• Stormwater Vault Interceptor	• Remove sediment when average depth of six inches has been reached in the storm vault.
Trash/Litter	• Any observed.	• Remove pollutants prior October 1 and place in a covered trash bin. • Ensure trash pickup is adequate and schedule more frequent pickups if needed.

Table 2

4.3.1 Routine Maintenance

Automotive Fluid Dry Clean-Up – Automotive fluids are to be cleaned up using dry cleaning methods such as granular absorbents, absorbent pads, rags, etc. Used absorbent materials are to be collected and properly disposed of. Used granular absorbent material is to be thoroughly swept up and disposed of on the same day that it was applied to the surface.

Minor Sweeping – Sweeping of minor amounts of sediment, polluted granular absorbent material and other pollutants are to be conducted as part of routine maintenance. Maintenance activities are to be scheduled to address sediment sources associated with eroded landscaped areas.

Trash Collection – Trash containers are to be provided at convenient locations to minimize littering at parking facilities. Trash is to be collected at intervals that minimize the amount of trash deposited. Trash bins exposed to rainfall are to be kept closed.

4.3.2 Scheduled Maintenance

Facility Sweeping – Parking facilities with significant sediment and litter problems are to be removed prior to October 1. Folsom Steam Works (Contract #WA000022154) is contracted with DGS to use a dry method mechanical sweeper with a broom and vacuum.

Automotive Fluid-Contaminated Surfaces – Surfaces with heavy accumulations of automotive fluids that cannot be thoroughly cleaned using manual application of absorbent are to be cleaned using other methods. DGS has contracted with Folsom Steam

Works (Contract #WA000022154) to use a waterless rotating brush system with the use of dry absorbent. The recovered spent absorbent will be disposed of as a hazardous waste.

Landscape Maintenance – Unstable landscaped areas exposed to rainfall or irrigation water may be subject to erosion and be a source of sediment pollution. Sediment erosion will be investigated and the appropriate department will be contacted to correct the cause.

4.4 Parking Lot Surface Repairs

The following best management practices will be implemented during parking lot surface repairs:

- Pre-heat, transfer or load hot bituminous material away from storm drain inlets.
- Apply concrete, asphalt and seal coat during dry weather to prevent contamination of stormwater runoff.
- Cover and seal nearby storm drain inlets and manways before applying seal coat, slurry seal, etc. Leave covers in place until job is complete and until all water from emulsified oil sealants have drained or evaporated. Remove any debris surrounding covered manways and storm drains.
- Conduct routine sweeping for dust control. If water must be applied for dust control, protect storm drain inlets and prevent runoff from entering the drainage system.
- Place pans or absorbent material under paving equipment when not in use to catch drips and leaks.

5.0 Education

For educational awareness, all parking facility storm drain inlets will have a placard or be stenciled "No Dumping –Drains to River".

6.0 Annual Reporting

DGS will document compliance activities for the previous fiscal year (July 1 through June 30) and submit an annual report to DWR, Stormwater Quality Program by August 1 of each year. Activities will be documented based on Table 3.

The following information will collected and submitted to DWR: