

2022 MS4 Summary For ARDSA

Costs Incurred:

				Force Account				
				Contracted	GBA Costs			
				Labor	Equipment / Mt'l Costs		Total	
Sweeping	Spring	3/15/2022	6/1/2022	\$55,651	\$653,432	\$244,512		\$953,595
	Summer	6/15/2022	8/1/2022		\$40,124	\$15,289		\$55,413
	Fall	9/1/2022	10/15/2022	\$144,095	\$57,928	\$21,156		\$223,179
Sweepings Hauling Disposal				\$55,738	\$8,512	\$3,184		\$67,434
AWWU water costs							\$35,316	\$35,316
Total Street Sweeping				\$255,484	\$759,996	\$284,141	\$35,316	\$1,334,937
Storm Drainage/ Control Structure System Maintenance				\$179,569	\$77,608	\$8,750		\$265,927
OGS Maintenance					\$197,771	\$12,553		\$210,324
Winter Sand used		5000 Ton					98,700	\$98,700
Sand On hand		10000 Ton						
Salt used		200 Ton					42,000	\$42,000
Salt on hand		150 Ton						
Sand Storage Facility (Utility Costs)							\$3,593	\$3,593
Magnesium Chlc used		14000					\$1	\$1
On hand		30000						
Lucity - Asset Management Labor costs for Mapping							\$17,268	\$17,268
Storm Water Pollution Prevention Plans & Inspections (Maintenance Projects)							\$50,153	\$50,153
Facility SWPPP and Inspections							\$23,000	\$23,000
Total				\$435,053	\$1,035,375	\$305,444	\$270,031	\$2,045,903

Materials Quantity

Sweeping Quantities

	CuYds
Spring Residential	2165
Spring Arterial/Collector	1814
Summer Arterial/Collector	50
Fall Residential	1130
Fall Arterial/Collector	210

Catch Basin Quantity	650
OGS Quantity	150

Part 2.0: Storm Water Management Program (SWMP) Requirements

Pg. 10, 2.2. General Requirements, 2.2.1 - 2.2.4.

It is the opinion of the Maintenance and Operations Department, Street Maintenance Division, (SM) that Anchorage (ARDSA) has met the requirements of this section.

Working in concert with WMS and other co-permittee(s) to meet these requirements.

Part 3.0: Minimum Control Measures

Pg. 14, 3.0: Minimum Control Measures, 3.1: Construction Site Runoff Control Program

ARDSA, SM activities have met the requirements of this section for all Street Maintenance projects within the service area (ARDSA). All construction SWPPP's are current, or closed, at the time of this report.

Pg. 19, 3.2: Storm Water Management Areas of New Development and Redevelopment

ARDSA, SM continues to support WMS in the implementation of this section and the subsections.

Pg. 23, 3.2.5: Operation and Maintenance (O & M) of Permanent Storm Water Management Controls, 3.2.5.1: Inventory and Tracking

ARDSA, SM continues to develop and maintain a computer maintenance management system (CMMS). This system includes geographical Information system (GIS) information that will be directly related to the maintenance of these assets. The database is continually updated as new assets are acquired.

Pg. 23, 3.2.6: Inspection and Enforcement of Permanent Storm Water Management

ARDSA SM continues to work closely with Private Development, Planning and (WMS) to attain the requirements of this Section.

Pg. 24, 3.2.7: Education and Training on Permanent Storm Water Controls

Training is viewed as an ongoing effort within our organization. ARDSA SM will continue to train staff on SOP's and Best Management Practices within the organization.

Pg. 24, 3.3: Industrial and Commercial Storm Water Discharge Management

ARDSA SM continues to work directly with the administrator (WMS) of the current permit to meet the requirements of this Section.

Pg. 26, 3.4: Storm Water Infrastructure and Street Management, 3.4.1: Storm Sewer System Inventory and Mapping

SM, in coordination with WMS, continues to meet the requirements of this Section, and will update the CMMS on a timely, as needed, basis when new assets are introduced.

Pg. 26, 3.4.2: Catch Basin and Inlet Cleaning

ARDSA SM successfully completed these permit requirements. All 272 OGS units were inspected and cleaned. Based on Fill rate data from previous years 794 CB and CBMH were cleaned on an annual and bi annual basis. 2004 CB and CBMH were cleaned on a 4 year cycle. ARDSA SM and the contractor cleaned 2798 CB & CBMH, out of the total inventory of 9983 units. 2000 MH were inspected with 194 requiring cleaning. Maintenance schedules may be adjusted further after analysis of data collected.

Pg. 27, 3.4.5: Street and Road Sweeping

In coordination with WMS, SM has met these requirements, by developing a qualitative and quantitative, "visually clean standard" as outlined in the Sweeping Management Plan.

Pg. 29, 3.4.7: Develop and Implement Storm Water Pollution Prevention Plans

SM is currently contracted with Professional and Technical Services, Inc. (PTS) to write, inspect, and maintain the SWPPP's for all SM operated facilities and maintenance projects. SM maintains the BMP's at all facilities.

Pg. 29, 3.4.8: Training

Training has been conducted for Sweeping Practices/Protocol, project BMP's, SOP's and Spill Prevention/Response. This training will continue to meet the permits intent. SM currently has 14 trained/certified Alaska Certified Erosion & Sediment Control Leads (AK-CESCL) on staff. 48 other SM employees have also received formal AK-CESCL (non-certified) "awareness" training. Street Maintenance has coordinated with our SWPPP contractor, Professional Technical Services (PTS), to train all staff on construction specific and facility SWPPP requirements. SM will continue this effort in the years to follow.

Pg. 32, 3.5.6: Prevent and respond to Spills to the MS4

SM had no spills to the MS4. SM continues to train employees on spill prevention and response. had no spills to the MS4. .