

2021 MS4 Summary For ARDSA

Costs Incurred:

				Force Account			
				Contracted	GBA Costs		
					Labor	Equipment / Mt'l Costs	Total
Sweeping	Spring	3/15/2020	6/1/2020	\$58,309	\$490,828	\$200,610	\$749,747
	Summer	6/15/2020	8/1/2020		\$27,504	\$10,577	\$38,081
	Fall	9/1/2020	10/15/2020	\$144,095	\$112,206	\$50,129	\$306,430
Sweepings Hauling Disposal				\$11,269	\$36,266	\$20,687	\$68,222
AWWU water costs						\$24,343	\$24,343
Total Street Sweeping				\$213,673	\$666,804	\$282,003	\$24,343
Storm Drainage/ Control Structure System Maintenance				\$161,718	\$98,042	\$9,868	\$269,628
OGS Maintenance							\$0
Winter Sand used		8000 Ton				64,670	\$64,670
Sand On hand		10000 Ton					
Salt used		200 Ton				40,350	\$40,350
Salt on hand		300 Ton					
Sand Storage Facility (Utility Costs)						\$9,340	\$9,340
Magnesium Chlc used		10000				\$1	\$1
On hand		30000					
Lucity - Asset Management Labor costs for Mapping						\$17,268	\$17,268
Storm Water Pollution Prevention Plans & Inspections (Maintenance Projects)						\$35,000	\$35,000
Facility SWPPP and Inspections						\$97,000	\$97,000
Total				\$375,391	\$764,846	\$291,871	\$287,972

Materials Quantity

Sweeping Quantities

	CuYds
Spring Residential	2050
Spring Arterial/Collector	1410
Summer Arterial/Collector	50
Fall Residential	1147
Fall Arterial/Collector	244

Catch Basin Quantity	610
OGS Quantity	126

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. All 9983 control structures were inspected and those that required cleaning, were cleaned. ARDSA SM and the contractor cleaned 4022 CB & CBMH, out of the total inventory of 9983 units..

SM has implemented procedures to collect fill rate data by making adjustments to cleaning activities. Maintenance schedules will be adjusted further after analysis of data collected. SOP's are being developed for treatment and disposal of catch basin and OGS waste.

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. .