Storm Water Pollution Prevention Plan

Village of Corrales

Village Public Works Yard
500 Jones Road
Corrales, NM 87048

Corrales Recreation/Park Complex
500 Jones Road
Corrales, NM 87048

Corrales Main Fire Station
4920 Corrales Road
Corrales, NM 87048

Corrales Fire Substation #1
100 Paseo Tomas Montoya
Corrales, NM 87048

Corrales Village Complex
4324 Corrales Road
Corrales, NM 87048

Village of Corrales Municipal Facilities

Weston Project Number: 15492.002.001.1000

Date: 5/7/2018
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1. INTRODUCTION AND PLAN MAINTENANCE

1.1 INTRODUCTION

This Stormwater Pollution Prevention Plan (SWPPP) has been written for six municipal facilities owned by the Village of Corrales. The facilities addressed by this SWPPP are listed in Table 1-1. Maps of the facilities, including a map of the location of all the facilities, can be found in Appendix D.

Table 1-1
Municipal Facilities Addressed by this SWPPP

<table>
<thead>
<tr>
<th>Facility</th>
<th>Location</th>
<th>Map Location</th>
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</thead>
<tbody>
<tr>
<td>Village Complex</td>
<td>4324 Corrales Road Corrales, NM 87048</td>
<td>Appendix D, Figure 2</td>
</tr>
<tr>
<td>Library Park</td>
<td>84 West La Entrada Corrales, NM 87048</td>
<td>NA</td>
</tr>
<tr>
<td>Public Works Yard</td>
<td>500 Jones Road Corrales, NM 87048</td>
<td>Appendix D, Figure 3</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>500 Jones Road Corrales, NM 87048</td>
<td>Appendix D, Figure 4</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>4920 Corrales Road Corrales, NM 87048</td>
<td>Appendix D, Figure 5</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>100 Paseo Tomas Montoya Corrales, NM 87048</td>
<td>Appendix D, Figure 6</td>
</tr>
</tbody>
</table>

This SWPPP addresses all areas of the facilities that have a potential to contribute to stormwater pollution.

**Village Complex**: The Village Complex houses Village operations including the Police Department, Animal Control, the Village Clerk’s Office, and the Municipal Court. Vehicles, equipment, and a freezer containing deceased animals are housed in the Village Complex.

**Library Park**: The Library Park is a green space located outside of the Village of Corrales Public Library. The Library Park was determined to have negligible potential to impact stormwater quality and is therefore not included in this plan.

**Public Works Yard**: The Public Works Yard is located adjacent to the Recreation/Park Complex. There are two covered structures used for the storage of vehicles, equipment, and chemicals. Additionally salt cinder and materials intended for use in village projects are stored at the Public Works Yard.
Recreation/Park Complex: The Recreation/Park Complex consists of a horse arena, a swimming pool, a concrete skate park, tennis courts, a basketball court, soccer fields, and a fishing pond. The Recreation/Park Complex also houses a parks maintenance building where chemicals and equipment may be stored.

Main Fire Station: The Corrales Fire Department is responsible for responding to medical, fire, and public assist emergency calls within the Village of Corrales. A variety of vehicles, equipment, tools, and chemicals are stored both indoors and outdoors at the Main Fire Station to allow such response activities. Additional activities at the main fire station include minor vehicle and equipment maintenance, vehicle washing, pump testing, and minor welding.

Fire Substation #1: A variety of vehicles, equipment, tools, and chemicals are stored indoors at the Fire Substation #1. Firefighting training and vehicle wash activities also occur at Fire Substation #1.

1.2 REGULATORY FRAMEWORK

This SWPPP was developed to comply with the requirements of the Village’s Middle Rio Grande Watershed Based (WSB) Municipal Separate Storm Sewer (MS4) Permit (December 22, 2014) and the intent of EPA’s Multi-Sector General Permit (MSGP) for Storm Water Discharges Associated with Industrial Activity (June 4, 2015). The Village of Corrales is a co-permittee of the WSB MS4 permit, hereinafter referred to as the MS4 permit.

The MS4 permit sets forth the requirements for discharges of stormwater and requires pollution prevention and good housekeeping practices be implemented within the Village’s municipal operations (Part I.D.5.c). The MSGP 2015 requires certain industries, based on activities performed, to maintain coverage under the permit. The MSGP 2015 utilizes Standard Industrial Codes (SIC) and North American Industry Classification System (NAICS) Codes arranged into Sectors to determine if coverage is required. To determine applicability of the 2015 MSGP to Village facilities covered under this SWPPP, SIC and NCAIS codes were assigned to each facility based on primary activities conducted as summarized in Table 1-2. Activities at the Village facilities do not fall under sectors covered by the 2015 MSGP; therefore, this plan is written to comply with the intent of the permit in order to meet the pollution prevention and housekeeping requirements of the MS4 Permit. This plan identifies areas and activities with potential for stormwater pollution and establishes best management practices and controls to reduce that potential.

The Corrales Village Complex, Public Works Yard, Recreation/Park Complex, Main Fire Station, and Fire Substation #1 facilities are designed to retain stormwater on-site and typically do not discharge stormwater; however, there may be rain events when discharges do occur. Therefore, these facilities are required to follow procedures and processes outlined in this SWPPP to maintain compliance with the MS4 Permit.
### Table 1-2
Assumed SIC and NAICS Codes for Municipal Facilities Covered under this SWPPP

<table>
<thead>
<tr>
<th>Facility</th>
<th>SIC Code</th>
<th>SIC Definition</th>
<th>NAICS Code</th>
<th>NAICS Definition</th>
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<tbody>
<tr>
<td>Village Complex</td>
<td>4225</td>
<td>General Warehousing and Storage</td>
<td>493110</td>
<td>General Warehousing and Storage</td>
</tr>
<tr>
<td></td>
<td>0752</td>
<td>Animal Specialty Services, except Veterinary</td>
<td>813312</td>
<td>Environment, Conservations, and Wildlife Organizations</td>
</tr>
<tr>
<td>Public Works Yard</td>
<td>4225</td>
<td>General Warehousing and Storage</td>
<td>493110</td>
<td>General Warehousing and Storage</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>7999</td>
<td>Amusement and Recreation Services, not elsewhere classified</td>
<td>712190</td>
<td>Nature Parks and other Similar Institutions</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>713940</td>
<td>Fitness and Recreation Sports Centers</td>
</tr>
<tr>
<td></td>
<td>4225</td>
<td>General Warehousing and Storage</td>
<td>493110</td>
<td>General Warehousing and Storage</td>
</tr>
<tr>
<td></td>
<td>0782</td>
<td>Lawn and Garden Services</td>
<td>561730</td>
<td>Landscaping Services</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>9224</td>
<td>Fire Protection</td>
<td>922160</td>
<td>Fire Departments</td>
</tr>
<tr>
<td></td>
<td>0851</td>
<td>Forestry Services</td>
<td>115310</td>
<td>Firefighting, forest</td>
</tr>
<tr>
<td></td>
<td>4225</td>
<td>General Warehousing and Storage</td>
<td>493110</td>
<td>General Warehousing and Storage</td>
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<tr>
<td>Fire Substation #1</td>
<td>9224</td>
<td>Fire Protection</td>
<td>922160</td>
<td>Fire Departments</td>
</tr>
<tr>
<td></td>
<td>0851</td>
<td>Forestry Services</td>
<td>115310</td>
<td>Firefighting, forest</td>
</tr>
</tbody>
</table>
Shared SWPPP Distribution

Because of the number of facilities covered under this SWPPP, this SWPPP has been developed to be uniform across each site with site specific attributes. A complete copy of this SWPPP, including information for each entity will be maintained by the Village Administrator. Each facility covered under this SWPPP will maintain a SWPPP with information relevant to the specific facility only.
### 1.3 CORRALES VILLAGE MUNICIPAL FACILITIES

#### 1.3.1 Village Complex

**Facility Information**

<table>
<thead>
<tr>
<th>Name of Facility:</th>
<th>Corrales Village Complex</th>
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</thead>
<tbody>
<tr>
<td>Street:</td>
<td>4324 Corrales Road</td>
</tr>
<tr>
<td>City:</td>
<td>Corrales</td>
</tr>
<tr>
<td>State:</td>
<td>NM</td>
</tr>
<tr>
<td>ZIP Code:</td>
<td>87048</td>
</tr>
<tr>
<td>County or Similar Subdivision:</td>
<td>Sandoval</td>
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**Permit Tracking Number:**

(If covered under a previous permit)

**Latitude/Longitude**

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<th>Method used for determining latitude/longitude (check one):</th>
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<tr>
<td>USGS Topographic map (specify scale: ____________)</td>
</tr>
<tr>
<td>Other (please Specify): Google Earth Professional</td>
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**Is the facility located in Indian County?**

Yes  No

If yes, name of Reservation, or if not part of reservation indicate “not applicable”

**Is the facility Considered a Federal Facility?**

Yes  No

Estimated area of industrial activity at site exposed to storm water:

2.7 acres

**Discharge Information:**

**Does this facility discharge storm water into an MS4?**

Yes  No

**Name(s) of water(s) that receive storm water from your facility:**

Stormwater is conveyed by overland flow or through discharges into Middle Rio Grande Conversancy District (MRGCD) drains to the Rio Grande. Note: MRGCD facilities are not regulated under the Middle Rio Grande Watershed Based MS4 permit due to an Agricultural Exemption.

**Are any of your discharges directly into any segment of an “impaired” water?**

Yes  No

**Identify the pollutant(s) causing impairment:**

E. coli, gross alpha, PCBs

For pollutants Identified, which do you have reason to believe will be present in your discharge?

None

**Sources of Pollutant:**

NA

**For pollutants identified, which have a completed TMDL?**

E. coli

**Do you have any discharge into a receiving water designed as tier 2 (or 2.5) water?**

Yes  No

**Are any of your storm water discharges subject to effluent guidelines?**

Yes  No

**Primary SIC Code or 2-letter Activity Code:**

4225, 0752

Identify your applicable sector and subsector: NA
Village Complex Contact Information/Roles of Responsibilities:

Facility Owner and Owner:
Village of Corrales
Village Administrator: Suanne Derr
(505) 897-0502

SWPPP Primary Contact:
Vic Mangeacapra, Chief of Police
(505) 897-1227

Pollution Prevention Team Members: Refer to Appendix A

Spill Response Plan: Refer to Appendix B

<table>
<thead>
<tr>
<th>24 HOUR EMERGENCY CONTACT</th>
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<tbody>
<tr>
<td>Lynn Siverts</td>
</tr>
<tr>
<td>Parks and Recreation and Public Works Director</td>
</tr>
<tr>
<td>Village of Corrales</td>
</tr>
<tr>
<td>(505) 702-4170</td>
</tr>
<tr>
<td>New Mexico Environment Department</td>
</tr>
<tr>
<td>(505) 827-9329</td>
</tr>
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</table>
1.3.2 Public Works Yard

Facility Information

Name of Facility: Village of Corrales Public Works Yard
Street: 500 Jones Road
City: Corrales
State: NM
ZIP Code: 87048
County or Similar Subdivision: Sandoval
Permit Tracking Number: (if covered under a previous permit)
Latitude/Longitude (Use one of three possible formats, and specify method)
1. 35°13’19”N (degrees, minutes, seconds) 1. -106°37’17”W (degrees, minutes, seconds)
2. _ _°_ _’_ _”N (degrees, minutes, seconds) 2. _ _°_ _’_ _”W (degrees, minutes, seconds)
3. _ _._ _ _ _°N (decimal) 3. _ _._ _ _ _°W (decimal)
Method used for determining latitude/longitude (check one):
☐ USGS Topographic map (specify scale: ___________)
☐ EPA Web Site
☒ Other (please Specify): Google Earth Professional
Is the facility located in Indian County? ☒ Yes ☐ No
If yes, name of Reservation, or if not part of reservation indicate “not applicable”
Is the facility Considered a Federal Facility? ☐ Yes ☒ No
Estimated area of industrial activity at site exposed to storm water: 1.1 (acres)
Discharge Information:
Does this facility discharge storm water into an MS4? ☒ Yes ☐ No
If yes, name of MS4 operator: Village of Corrales and co-permittees
Name(s) of water(s) that receive storm water from your facility:
Stormwater is conveyed by overland flow or through discharges into Middle Rio Grande Conversancy District (MRGCD) drains to the Rio Grande. Note: MRGCD facilities are not regulated under the Middle Rio Grande Watershed Based MS4 permit due to an Agricultural Exemption.
Are any of your discharges directly into any segment of an “impaired” water? ☒ Yes ☐ No
If yes, identify name of the impaired water (and segment, if applicable): Rio Grande
Identify the pollutant(s) causing impairment: E.coli, gross alpha, PCBs
For pollutants Identified, which do you have reason to believe will be present in your discharge?
None
Sources of Pollutant:
NA
For pollutants identified, which have a completed TMDL? ☒ E.coli
Do you have any discharge into a receiving water designed as tier 2 (or 2.5) water? ☒ Yes ☐ No
Are any of your storm water discharges subject to effluent guidelines? ☐ Yes ☒ No
If yes, which guidelines apply?
Primary SIC Code or 2-letter Activity Code: 4225
Identify your applicable sector and subsector: NA
Public Works Yard Contact Information/Roles of Responsibility:

Facility Owner/Operator:

Village of Corrales
Village Administrator: Suanne Derr
(505) 897-0502

SWPPP Primary Contact:
Lynn Siverts, Parks and Recreation and Public Works Director
(505)702-4170

Stormwater Pollution Prevention Team: Refer to Appendix A
Spill Response Plan: Refer to Appendix B

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<thead>
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<th><strong>24 HOUR EMERGENCY CONTACT</strong></th>
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<td>Lynn Siverts</td>
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<tr>
<td>Parks and Recreation and Public Works Director</td>
</tr>
<tr>
<td>Village of Corrales</td>
</tr>
<tr>
<td>(505) 702-4170</td>
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</tr>
</thead>
<tbody>
<tr>
<td>New Mexico Environment Department</td>
</tr>
<tr>
<td>(505) 827-9329</td>
</tr>
</tbody>
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### 1.3.3 Recreation/Park Complex

**Facility Information**

<table>
<thead>
<tr>
<th>Name of Facility:</th>
<th>Village of Corrales Recreation/Park Complex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street:</td>
<td>500 Jones Road</td>
</tr>
<tr>
<td>City:</td>
<td>Corrales</td>
</tr>
<tr>
<td>State:</td>
<td>NM</td>
</tr>
<tr>
<td>ZIP Code:</td>
<td>87048</td>
</tr>
<tr>
<td>County or Similar Subdivision:</td>
<td>Sandoval</td>
</tr>
<tr>
<td>Permit Tracking Number:</td>
<td>(if covered under a previous permit)</td>
</tr>
</tbody>
</table>

**Latitude/Longitude (Use one of three possible formats, and specify method):**

1. $35°13'17''N$ (degrees, minutes, seconds)  
2. $-106°37'21''W$ (degrees, minutes, seconds)
3. $35.220333°N$ (decimal)  
4. $-106.6225°W$ (decimal)

**Method used for determining latitude/longitude (check one):**

- [ ] USGS Topographic map (specify scale: )  
- [ ] EPA Web Site
- [X] Other (please specify): Google Earth Professional

**Is the facility located in Indian County?**  
- [ ] Yes  
- [X] No

**Is the facility Considered a Federal Facility?**  
- [ ] Yes  
- [X] No

**Estimated area of industrial activity at site exposed to storm water:**  
15.5 acres

**Discharge Information:**

- Does this facility discharge storm water into an MS4?  
  - [X] Yes  
  - [ ] No

**Name(s) of water(s) that receive storm water from your facility:**

Stormwater is conveyed by overland flow or through discharges into Middle Rio Grande Conversancy District (MRGCD) drains to the Rio Grande. Note: MRGCD facilities are not regulated under the Middle Rio Grande Watershed Based MS4 permit due to an Agricultural Exemption.

**Are any of your discharges directly into any segment of an “impaired” water?**  
- [X] Yes  
- [ ] No

**Sources of Pollutant:**

- None

**Identify the pollutant(s) causing impairment:**  
- *E. coli*, gross alpha, PCBs

**For pollutants identified, which do you have reason to believe will be present in your discharge?**

- None

**For pollutants identified, which have a completed TMDL?**  
- *E. coli*

**Do you have any discharge into a receiving water designed as tier 2 (or 2.5) water?**  
- [X] Yes  
- [ ] No

**Are any of your storm water discharges subject to effluent guidelines?**  
- [ ] Yes  
- [X] No

**Primary SIC Code or 2-letter Activity Code:**  
- 4225, 7999, 0782

**Identify your applicable sector and subsector:**  
- NA
Recreation/Park Complex Contact Information/Roles of Responsibility:

Facility Owner/Operator:

Village of Corrales
Village Administrator: Suanne Derr
(505) 897-0502

SWPPP Primary Contact:

Lynn Siverts, Parks and Recreation and Public Works Director
(505) 702-4170

Stormwater Pollution Prevention Team: Refer to Appendix A
Spill Response Plan: Refer to Appendix B

<table>
<thead>
<tr>
<th>24 HOUR EMERGENCY CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lynn Siverts</td>
</tr>
<tr>
<td>Parks and Recreation and</td>
</tr>
<tr>
<td>Public Works Director</td>
</tr>
<tr>
<td>Village of Corrales</td>
</tr>
<tr>
<td>(505) 702-4170</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>New Mexico Environment</td>
</tr>
<tr>
<td>Department</td>
</tr>
<tr>
<td>(505) 827-9329</td>
</tr>
</tbody>
</table>
1.3.4 Main Fire Station

Facility Information

Name of Facility: Village of Corrales Main Fire Station  
Street: 4920 Corrales Road  
City: Corrales  
State: NM  
ZIP Code: 87048  
County or Similar Subdivision: Sandoval  
Permit Tracking Number: (if covered under a previous permit)  
Latitude/Longitude (Use one of three possible formats, and specify method)

1. Latitude: 35°13’49"N (degrees, minutes, seconds)  
2. Latitude: _._._._°N (decimal)  
3. Latitude: _._._._°N (decimal)  
Longitude: 106°36’43”W (degrees, minutes, seconds)  
2. Longitude: _._._._°W (degrees, minutes, seconds)  
3. Longitude: _._._._°W (decimal)  
Method used for determining latitude/longitude (check one):

- USGS Topographic map (specify scale: )  
- EPA Web Site  
- GPS  
- Google Earth Professional  

Is the facility located in Indian County? ☐ Yes  ☒ No

Is the facility considered a Federal Facility? ☐ Yes  ☒ No

Estimated area of industrial activity at site exposed to storm water: 1.8 acres

Discharge Information:

Does this facility discharge storm water into an MS4? ☐ Yes  ☒ No

If yes, name of MS4 operator: Village of Corrales and co-permittees

Name(s) of water(s) that receive storm water from your facility:

Stormwater is conveyed by overland flow or through discharges into Middle Rio Grande Conversancy District (MRGCD) drains to the Rio Grande. Note: MRGCD facilities are not regulated under the Middle Rio Grande Watershed Based MS4 permit due to an Agricultural Exemption.

Are any of your discharges directly into any segment of an “impaired” water? ☐ Yes  ☒ No

If yes, identify name of the impaired water (and segment, if applicable): Rio Grande (non-pueblo Alameda Bridge to HWY 550 Bridge)

Identify the pollutant(s) causing impairment: E.coli, gross alpha, PCBs

For pollutants identified, which do you have reason to believe will be present in your discharge?

- None

Sources of Pollutant:

NA

For pollutants identified, which have a completed TMDL? E.coli

Do you have any discharge into a receiving water designed as tier 2 (or 2.5) water? ☐ Yes  ☒ No

Are any of your storm water discharges subject to effluent guidelines? ☐ Yes  ☒ No

If yes, which guidelines apply?

Primary SIC Code or 2-letter Activity Code: 4225, 9224, 0851

Identify your applicable sector and subsector: NA
Main Fire Station Contact Information/ Roles of Responsibility:

Facility Owner(s):
Village of Corrales
Village Administrator: Suanne Derr
(505) 897-0502

SWPPP Primary Contact:
Anthony Martinez, Fire Chief
(505) 934-3690

SWPPP Secondary Contact:
Tanya Lattin
(505) 898-7501

Stormwater Pollution Prevention Team: Refer to Appendix A.
Spill Response Plan: Refer to Appendix B

24 HOUR EMERGENCY CONTACT

Anthony Martinez
Fire Chief
Village of Corrales
(505) 934-3690

New Mexico Environment Department
505-827-9329
1.3.5 Fire Substation #1

**Facility Information**

Name of Facility: Village of Corrales Fire Substation #1  
Street: 100 Paseo Tomas Montoya  
City: Corrales  
State: NM  
ZIP Code: 87048  
County or Similar Subdivision: Sandoval  
Permit Tracking Number: (if covered under a previous permit)  
Latitude/Longitude (Use one of three possible formats, and specify method)

1. 35°15'29"N (degrees, minutes, seconds)  
2. _ _°_ _._ _'N (degrees, minutes, seconds)  
3. _ _._ _ _ _°N (decimal)  

Method used for determining latitude/longitude (check one):

☐ USGS Topographic map (specify scale: )  
☐ EPA Web Site  
☒ Other (please Specify): Google Earth Professional

Is the facility located in Indian County? ☐ Yes  
☒ No

Is the facility Considered a Federal Facility? ☒ Yes  
☐ No

Estimated area of industrial activity at site exposed to storm water: 2.3 (acres)

**Discharge Information**

Does this facility discharge storm water into an MS4? ☒ Yes  
☐ No

If yes, name of MS4 operator: Village of Corrales and co-permittees

Name(s) of water(s) that receive storm water from your facility:

Stormwater is conveyed by overland flow or through discharges into Middle Rio Grande Conversancy District (MRGCD) drains to the Rio Grande. Note: MRGCD facilities are not regulated under the Middle Rio Grande Watershed Based MS4 permit due to an Agricultural Exemption.

Are any of your discharges directly into any segment of an “impaired” water? ☒ Yes  
☐ No

If yes, identify name of the impaired water (and segment, if applicable):

(non-pueblo Alameda Bridge to HWY 550 Bridge)

Identify the pollutant(s) causing impairment: *E.coli*, gross alpha, PCBs

**For pollutants Identified, which do you have reason to believe will be present in your discharge?**

None

Sources of Pollutant:

NA

For pollutants identified, which have a completed TMDL? ☒ E. coli

Do you have any discharge into a receiving water designed as tier 2 (or 2.5) water? ☒ Yes  
☐ No

Are any of your storm water discharges subject to effluent guidelines? ☐ Yes  
☒ No

If yes, which guidelines apply?

Primary SIC Code or 2-letter Activity Code: 4225, 9224.0851

Identify your applicable sector and subsector: NA

---

1-13
Fire Substation #1 Contact Information/Roles of Responsibility:

Facility Owner/Operator:
Village of Corrales
Village Administrator: Suanne Derr
(505) 897-0502

SWPPP Primary Contact:
Anthony Martinez, Fire Chief
(505) 934-3690

SWPPP Secondary Contact:
Tanya Lattin
(505) 898-7501

Stormwater Pollution Prevention Team: Refer to Appendix A

Spill Response Plan: Refer to Appendix B

<table>
<thead>
<tr>
<th>24 HOUR EMERGENCY CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthony Martinez</td>
</tr>
<tr>
<td>Fire Chief</td>
</tr>
<tr>
<td>(505) 934-3690</td>
</tr>
<tr>
<td>New Mexico Environment Department</td>
</tr>
<tr>
<td>505-827-9329</td>
</tr>
</tbody>
</table>
1.4 STORM WATER POLLUTION PREVENTION TEAM (PPT)

A list of PPT members and contact information for each is provided in Appendix A. Each facility has assigned a primary SWPPP contact and a secondary SWPPP contact, where applicable.

Each Village facility maintains the portion of this SWPPP that contains information relevant to that facility. It is the responsibility of each Village facility to maintain a copy of the facility specific SWPPP and ensure its completeness and availability and to fully implement the procedures and best management practices (BMPs). Updates to each facility specific SWPPP will be coordinated with the master Village of Corrales Municipal Facilities SWPPP. Appendix A shall be updated periodically to reflect changes in personnel.

1.4.1 PPT Member Responsibilities

A summary of PPT members’ responsibilities follows. Appendix A includes specific contact information for each PPT member.

- **PPT Leader** — Primary responsibilities include SWPPP management, comprehensive facility inspections, storm water monitoring, annual training, spill response and reporting, and evaluation of spill data to identify preventative measures.
- **PPT Members (Facility Primary and Secondary Contacts)** — primary responsibilities include quarterly inspections, annual training, implementation of facility specific BMPs, quarterly inspections, and assistance with annual training.
- **Storm Drain Maintenance** — primary responsibilities include the maintenance of the drain outlets.

It is the responsibility of the PPT members to maintain their copy of the SWPPP and ensure its completeness and availability and to fully implement the procedures and best management practices (BMPs).

1.5 MAP AND SITE PLANS

1.5.1 General Location Map

A General Location Map of the Village Complex, Public Works Yard, Recreation/Park Complex, Main Fire Station, and Fire Substation #1 is included as Figure 1 of Appendix D.

1.5.2 Site Specific Maps

Facility specific figures are located in Appendix D.

<table>
<thead>
<tr>
<th>Facility Type</th>
<th>Figure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village Complex</td>
<td>Figure 2</td>
</tr>
<tr>
<td>Public Works Yard</td>
<td>Figure 3</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>Figure 4</td>
</tr>
</tbody>
</table>
Main Fire Station  Figure 5  
Fire Substation #1  Figure 6

The site maps contain the following information:

- Size of property in acres
- Location and extent of significant structures and impervious surfaces (evident on aerial photograph)
- Directions of storm water flow
- Locations of all receiving waters in the immediate vicinity of the facility and the classification
- Locations of all stormwater control measures
- Locations of all storm water monitoring points
- Location of all storm water conveyances including ditches, pipes and swales
- Location of storm water inlets and outfalls to the MS4 system, with unique identification codes for each outfall
- Locations of potential pollutant sources
- Locations of activities exposed to stormwater as identified in Table 2-1, Table 2-2, Table 2-5, Table 2-8, and Table 2-11
- Locations where significant spills or leaks have occurred

1.6 PLAN MAINTENANCE

The SWPPP is a “living” document that will be updated to reflect specific operations not otherwise outlined in this document. In addition this SWPPP will be updated and revised whenever there is a change in design, construction, operation, or maintenance at the site that may impact the potential for pollutants to be discharged to storm water run-off. If the SWPPP is found to be ineffective in controlling the discharge of pollutants, the SWPPP will be revised to correct the identified deficiencies.
2. POTENTIAL POLLUTANT SOURCES

The following subsections contain facility-specific information about activities performed, potential pollutants, and spill information at each Village of Corrales facility. Each facility specific SWPPP contains only information relevant to the specific facility. The master Village of Corrales Municipal Facilities SWPPP, located in the Village Administrator’s office, contains activity and spill information for all five facilities covered under the master SWPPP.
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2.1 VILLAGE COMPLEX

The Corrales Village Complex comprises Village operations including the Police Department, Animal Control, the Village Clerk’s Office, and the Municipal Court. Vehicles, equipment, and a freezer containing deceased animals are housed in the Village Complex. The Village Complex has two stormwater detention ponds (VC1 and VC2). These features and outfall locations are shown on Figure 2, Appendix D.

2.1.1 Potential Pollutants and Sources of Stormwater Pollution

Table 2-1 describes the industrial activities performed at the facility and the potential pollutants associated with them. The industrial activities performed at the facility have the potential to impact stormwater that ultimately flows to VC1 or VC2.

<table>
<thead>
<tr>
<th>Industrial Activity</th>
<th>Associated Potential Pollutant</th>
<th>Appendix D Figure 2 Map ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle and Equipment Storage</td>
<td>Oils, hydraulic fluids, anti-freeze</td>
<td>2</td>
</tr>
<tr>
<td>Waste Handling and Disposal</td>
<td>Solid Waste, animal waste, vegetation</td>
<td>1, 2</td>
</tr>
<tr>
<td>Landscape Maintenance</td>
<td>Pesticides, herbicides, fertilizers</td>
<td>NA – across site</td>
</tr>
</tbody>
</table>

2.1.2 Spills and Leaks

No materials are stored at the Village Complex that are exposed to stormwater and no significant spills or leaks have occurred.
2.2 PUBLIC WORKS YARD

The Public Works Yard is located adjacent to the Recreation/Park Complex. There are two covered structures used for the storage of vehicles, equipment, and chemicals. Some vehicles and equipment are also stored outside. Vehicles and equipment stored at the public works yard include both every day vehicles (e.g. pickup trucks), heavy equipment, and small tools. Chemicals stored at the Public Works Yard include small quantities of gasoline, cleaning supplies, small quantities of herbicide, and propane. Additionally salt and materials intended for use in village projects are stored at the Public Works Yard. The Public Works Yard has one stormwater detention pond (PWY1). These features and outfall locations are shown on Figure 3, Appendix D.

2.2.1 Industrial Activity and Associated Pollutants

Table 2-2 describes the industrial activities performed at the Public Works Yard and the potential pollutants associated with those activities. The industrial activities performed at the Public Works Yard have the potential to impact stormwater that ultimately flows to PWY1.

<table>
<thead>
<tr>
<th>Industrial Activity</th>
<th>Associated Potential Pollutant</th>
<th>Appendix D Figure 3 Map ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle and Equipment Storage</td>
<td>Oils, fuels, hydraulic fluids, anti-freeze</td>
<td>2</td>
</tr>
<tr>
<td>Equipment/Tool Fueling</td>
<td>Gasoline</td>
<td>2</td>
</tr>
<tr>
<td>Outdoor Handling and Storage of Materials</td>
<td>Fuels, ice-melt, cleaners, chemicals, metal rust, tires, herbicides</td>
<td>1</td>
</tr>
<tr>
<td>Waste Handling and Disposal</td>
<td>Solid Waste</td>
<td>NA- Across Facility</td>
</tr>
</tbody>
</table>

2.2.2 Spills and Leaks

Table 2-3 summarizes locations within the Public Works Yard where spills have the potential to occur and the outfall that could potentially be affected by those spills.

<table>
<thead>
<tr>
<th>Potential Spill Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office and Storage Area</td>
<td>Detention Pond (PWY1)</td>
</tr>
<tr>
<td>Garage</td>
<td>Detention Pond (PWY1)</td>
</tr>
<tr>
<td>Vehicle Storage Area</td>
<td>Detention Pond (PWY1)</td>
</tr>
<tr>
<td>Salt storage</td>
<td>Detention Pond (PWY1)</td>
</tr>
</tbody>
</table>
Table 2-4 displays locations within the facility where spills/leaks have occurred in the past three years and which outfall was potentially affected by the release.

### Table 2-4
**Description of Spills and Leaks at the Facility in the Past 3 Years**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>No Spills or Leaks Reported in the Last 3 Years</td>
</tr>
</tbody>
</table>
2.3 RECREATION/PARK COMPLEX

The Recreation/Park Complex consists of a horse arena, a swimming pool, a concrete skate park, tennis courts, a basketball court, soccer fields, and a fishing pond. Portable restrooms are located throughout the facility to accommodate visitors of the Recreation/Park Complex.

The Recreation/Park Complex houses a parks maintenance buildings where chemicals may be stored. Chemicals stored at the Recreation/Park Complex include small quantities of gasoline, cleaning supplies, small quantities of herbicide, and propane. Pool treatment chemicals, including 55 and 15 gallon containers of hydrochloric acid and buckets of calcium hypochlorite tablets, are stored at the Recreation Park/Complex.

Vehicles and equipment are stored at the Recreation/Park Complex. One pickup truck, lawn mowers, and a utility vehicle are stored at the facility inside or under cover and a wood chipper is stored outdoors. Smaller tools and equipment, including weed whackers, are stored kept in the parks maintenance buildings.

A composting facility is also present at the Recreation/Park Complex. Green materials and horse waste are composted in divided wooden bins and materials intended to be composted are stored in piles near the bins. The compost is used for fertilizer at the Recreation/Park Complex and other Village of Corrales facilities.

The features described above and outfalls locations are shown on Figure 4, Appendix D

2.3.1 Industrial Activity and Associated Pollutants

Table 2-5 describes the industrial activities performed at the Recreation/Park Complex and the potential pollutants associated with those activities. The industrial activities performed at the Recreation/Park Complex have the potential to impact stormwater that ultimately flows to RPC1 or RPC2.
### Table 2-5

**Industrial Activities Performed and Associated Potential Pollutants**

<table>
<thead>
<tr>
<th>Industrial Activity</th>
<th>Associated Potential Pollutant</th>
<th>Appendix D Figure 4 Map ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle and Equipment Storage</td>
<td>Oils, fuels, hydraulic fluids, anti-freeze</td>
<td>NA – Across facility</td>
</tr>
<tr>
<td>Equipment/Tool Fueling</td>
<td>Gasoline</td>
<td>NA – Across facility</td>
</tr>
<tr>
<td>Outdoor Handling and Storage of Materials</td>
<td>Fuels, ice-melt, cleaners, pool chemicals, fertilizer, herbicide, compost</td>
<td>NA – Across facility</td>
</tr>
<tr>
<td>Landscaping Operations</td>
<td>Nutrients, solid waste, debris</td>
<td>NA – Across facility</td>
</tr>
<tr>
<td>Waste Handling and Disposal</td>
<td>Solid waste</td>
<td>6</td>
</tr>
<tr>
<td>Sanitary Waste</td>
<td>Nutrients, bacteria and viruses</td>
<td>5</td>
</tr>
</tbody>
</table>

### 2.3.2 Spills and Leaks

**Table 2-6** summarizes locations within the Recreation/Park Complex where spills have the potential to occur and the outfall that could potentially be affected by those spills.

#### Table 2-6

**Potential Spill Locations**

<table>
<thead>
<tr>
<th>Potential Spill Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composting Area</td>
<td>Arena Detention Pond (RPC2)</td>
</tr>
<tr>
<td>Portable Restrooms</td>
<td>Field Detention Pond (RPC1), Arena Detention Pond (RPC2)</td>
</tr>
<tr>
<td>Vehicle Storage Area</td>
<td>Field Detention Pond (RPC2)</td>
</tr>
<tr>
<td>Pool Chemical Storage</td>
<td>Field Detention Pond (RPC1), Arena Detention Pond (RPC2)</td>
</tr>
<tr>
<td>Maintenance Buildings</td>
<td>Field Detention Pond (RPC1), Arena Detention Pond (RPC2)</td>
</tr>
</tbody>
</table>

**Table 2-7** displays locations within the facility where spills/leaks have occurred in the past three years and which outfall was potentially affected by the release.

#### Table 2-7

**Description of Spills and Leaks at the Facility in the Past 3 Years**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>No Spills or Leaks Reported in the Last 3 Years</td>
</tr>
</tbody>
</table>
2.4 MAIN FIRE STATION

The Corrales Fire Department is responsible for responding to medical, fire, and public assist emergency calls within the Village of Corrales. A variety of vehicles, equipment, tools, and chemicals are stored both indoors and outdoors at the Main Fire Station to support these response activities. Vehicles and equipment stored indoors at the Main Fire Station include, but are not limited to, ambulances, fire trucks, brush trucks, and other small utility vehicles. Outdoor vehicle storage includes everyday vehicles (e.g. pickup trucks), brush trucks, a bus and other small utility vehicles. Heavy equipment, trailers, and tools are also stored both indoors and outdoors at the Main Fire Station.

Chemicals stored inside at the Main Fire Station include, but are not limited to, Class A and B firefighting foams, Micro-Blaze, diesel exhaust fluid, cleaning supplies, and small quantities of oil, gasoline, antifreeze. Some spray paint and latex paint are also stored inside at the Main Fire Station and are used to paint the building, bollards, and tools. Additionally, pharmaceutical and biohazard waste are collected by the Fire Department and stored inside at the Main Fire Department.

Some vehicle and equipment maintenance is performed in the bay area of the Main Fire Station, including minor maintenance of engines, chain saws, pumps, and minimal greasing. Additionally, small equipment may be fueled onsite inside. Maintenance is either performed inside or on the paved area east of the main building. Water from the bay drains into a sand trap filter then to a septic tank prior to being pumped to the sanitary sewer.

Vehicle washing and pump tests are performed on the paved area east of the building. The discharge of vehicle and equipment wash water and water from pump tests is not considered to be an illicit discharge or contributor of pollutants to the MS4 because the water flows into a detention pond where it infiltrates or evaporates. The water is not discharged to the MS4.

Additional activities at the Main Fire Station that have the potential to impact stormwater include firewood storage and minor welding activities.

The features described above and the outfall locations are shown on Figure 5, Appendix D.

2.4.1 2.4.1 Industrial Activity and Associated Pollutants

Table 2-8 describes the industrial activities performed at the Main Fire Station and the potential pollutants associated with those activities. The industrial activities performed at the Main Fire Station have the potential to impact stormwater that ultimately flows to MF1 or MF2.
### Table 2-8
**Industrial Activities Performed and Associated Potential Pollutants**

<table>
<thead>
<tr>
<th>Industrial Activity</th>
<th>Associated Potential Pollutant</th>
<th>Appendix D Figure 5 Map ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle and Equipment Maintenance</td>
<td>Oils, hydraulic fluids, coolant, antifreeze, lubricant, batteries</td>
<td>4, 5</td>
</tr>
<tr>
<td>Vehicle and Equipment Storage</td>
<td>Oils, fuels, hydraulic fluids, anti-freeze</td>
<td>2</td>
</tr>
<tr>
<td>Equipment/Tool Fueling</td>
<td>Gasoline</td>
<td>Fire Station and Garage Bay, Across Site</td>
</tr>
<tr>
<td>Outdoor Handling and Storage of Materials</td>
<td>Fuels, detergents and cleaners, metal rust, tires, vegetation (floatable material)</td>
<td>2, 3</td>
</tr>
<tr>
<td>Waste Handling and Disposal</td>
<td>Solid waste, biohazards</td>
<td>1</td>
</tr>
<tr>
<td>Welding and Metal Storage</td>
<td>Metal particles, gaseous metal, and vaporized flux</td>
<td>NA – Across Site</td>
</tr>
</tbody>
</table>

#### 2.4.2 Spills and Leaks

Table 2-9 summarizes locations within the Main Fire Station where spills have the potential to occur and the outfall that could potentially be affected by those spills.

**Table 2-9: Potential Spill Locations**

<table>
<thead>
<tr>
<th>Potential Spill Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Test and Vehicle Wash Area</td>
<td>East Detention Pond Inlet (MF1)</td>
</tr>
<tr>
<td>Garage Bay</td>
<td>East Detention Pond Inlet (MF1) and West Detention Pond Inlet (MF2)</td>
</tr>
<tr>
<td>Outdoor Vehicle and Equipment Storage Areas</td>
<td>East Detention Pond Inlet (MF1) and West Detention Pond Inlet (MF2)</td>
</tr>
<tr>
<td>Firewood Storage</td>
<td>East Detention Pond Inlet (MF1)</td>
</tr>
<tr>
<td>Welding Areas</td>
<td>East Detention Pond Inlet (MF1)</td>
</tr>
</tbody>
</table>

Table 2-10 displays locations within the facility where spills/leaks have occurred in the past three years and which outfall was potentially affected by the release.

**Table 2-10 Description of Spills and Leaks at the Facility in the Past 3 Years**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No Spills or Leaks Reported in the Last 3 Years</td>
<td></td>
</tr>
</tbody>
</table>
2.5 FIRE SUBSTATION #1

The Corrales Fire Department is responsible for responding to medical, fire, and public assist emergency calls within the Village of Corrales. A variety of vehicles, equipment, tools, and chemicals are stored indoors at the Fire Substation #1 to allow such response activities. Vehicles and equipment stored indoors at the Fire Substation #1 include, but are not limited to, ambulances, fire trucks, and other small utility vehicles. Equipment and tools are also stored indoors at the Fire Substation #1.

Chemicals stored inside at the Fire Substation #1 include, but are not limited to, Class A and B firefighting foams, cleaning supplies, and small quantities of oil.

Vehicle washing is performed inside of the Fire Substation #1. Wash water flows through floor drains inside the garage bay of the building to the North Detention Basin (FS1). The discharge of vehicle and equipment wash water is not considered to be an illicit discharge or contributor of pollutants to the MS4 because water from the drains flows into a detention pond where it infiltrates or evaporates. The water is not discharged to the MS4.

The Fire Substation #1 is also used for firefighting and response training for both brush and building fires. The water used during training activities drains to the detention basins located at the facility. The discharge of vehicle and equipment wash water is not considered to be an illicit discharge or contributor of pollutants to the MS4 because water from the drains flows into a detention pond where it infiltrates or evaporates. The water is not discharged to the MS4.

The features described above and outfall locations are shown on Figure 6, Appendix D.

2.5.1 Industrial Activity and Associated Pollutants

Table 2-11 describes the industrial activities performed at the Fire Substation #1 and the potential pollutants associated with those activities. The industrial activities performed at the Fire Substation #1 have the potential to impact stormwater that ultimately flows to FS1 or FS2.

<table>
<thead>
<tr>
<th>Industrial Activity</th>
<th>Associated Potential Pollutant</th>
<th>Figure 6 Appendix D Map ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle and Equipment Storage</td>
<td>Oils, fuels, hydraulic fluids, anti-freeze</td>
<td>Fire Station and Garage Bay</td>
</tr>
<tr>
<td>Equipment/Tool Fueling</td>
<td>Gasoline</td>
<td>Fire Station and Garage Bay</td>
</tr>
<tr>
<td>Outdoor Handling and Storage of</td>
<td>Metal rust, vegetation (floatable material)</td>
<td>NA - Across Site</td>
</tr>
<tr>
<td>Materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste Handling and Disposal</td>
<td>Solid waste</td>
<td>1</td>
</tr>
<tr>
<td>Firefighting training</td>
<td>Vegetation, debris (floatable material)</td>
<td>3</td>
</tr>
<tr>
<td>Welding</td>
<td>Oily air emissions, metal particles, gaseous metal, and vaporized flux</td>
<td>NA – Across Site</td>
</tr>
</tbody>
</table>
2.5.2 Spills and Leaks

Table 2-12 summarizes locations within the Fire Substation #1 where spills have the potential to occur and the outfall that could potentially be affected by those spills. Locations and outfalls are shown on Figure 6, Appendix D.

<table>
<thead>
<tr>
<th>Potential Spill Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garage Bay</td>
<td>North Detention Pond (FS1)</td>
</tr>
<tr>
<td>Outdoor Vehicle Storage Areas</td>
<td>North Detention Pond (FS1) and South Detention Pond (FS2)</td>
</tr>
<tr>
<td>Firefighting Training Areas</td>
<td>North Detention Pond (FS1) and South Detention Pond (FS2)</td>
</tr>
<tr>
<td>Welding Areas</td>
<td>North Detention Pond (FS1) and South Detention Pond (FS2)</td>
</tr>
</tbody>
</table>

Table 2-13 displays locations within the facility where spills/leaks have occurred in the past three years and which outfall was potentially affected by the release.

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Outfalls</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Spills or Leaks Reported in the Last 3 Years</td>
<td>No Spills or Leaks Reported in the Last 3 Years</td>
<td>No Spills or Leaks Reported in the Last 3 Years</td>
</tr>
</tbody>
</table>
2.6 NON-STORMWATER DISCHARGES DOCUMENTATION

Non-stormwater discharges occur when any fluid other than precipitation flows into the storm drainage system. Common sources of non-stormwater discharges include landscape water and air conditioner condensate. Staff should be aware of which non-stormwater discharges to the MS4 are allowable. See Table 2-14 for a list of allowable non-stormwater discharges.

All other discharges into the storm drainage system are not allowed. When non-allowable non-storm water discharges are observed, the discharge type, approximate volume, and corrective action taken should be documented and placed in Appendix I.

An evaluation of non-storm water discharges at the Village Complex, Public Works Yard, Recreation/Park Complex, Main Fire Station, and Fire Substation #1 storm water outfalls was performed by Weston Solutions, Inc. and is described in the following sections.
A. Date of Evaluation:

Evaluations of the Village Complex, Public Works Yard, Recreation/Park Complex, and Library Park were conducted on 6 September 2017.

A second evaluation of the Village Complex and initial evaluations of the Main Fire Station and Fire Substation #1 were conducted on 14 September 2017.

B. Description of the evaluation criteria used:

Each storm water outfall was visually assessed, photographed, and documented. A summary report of the evaluation is included in Appendix E. Allowable non-stormwater discharges directly to the MS4 permissible under this SWPPP include those listed in the MSGP 2015 and the WSB MS4 Permit and are summarized in Table 2-14.

<table>
<thead>
<tr>
<th>MSGP 2015 (1.1.3 Allowable Non-Stormwater Discharges)</th>
<th>MS4 Permit (Part 1.A.4 Authorized Non-Stormwater Discharges)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge from emergency/unplanned fire-fighting activities.</td>
<td>Discharges or flows from firefighting activities (does not include discharges from firefighting training activities).</td>
</tr>
<tr>
<td>Fire Hydrant flushing.</td>
<td>--</td>
</tr>
<tr>
<td>Potable water, including water line flushing.</td>
<td>Potable water sources, including routine water line flushing.</td>
</tr>
<tr>
<td>Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids.</td>
<td>Air conditioning or compressor condensate.</td>
</tr>
<tr>
<td>Irrigation drainage.</td>
<td>--</td>
</tr>
<tr>
<td>Landscape watering provided all pesticides, herbicides, and fertilizers have been applied in accordance with approved labeling.</td>
<td>Lawn, landscape, and other irrigation waters provided all pesticides, herbicides and fertilizers have been applied in accordance with approved manufacturing labeling and any applicable permits for discharge associated with pesticides, herbicides and fertilizer application.</td>
</tr>
<tr>
<td>Pavement wash waters where no detergents or hazardous cleaning products are used, and the wash waters do not come into contact with oil and grease deposits, sources of pollutants associated with industrial activities, or any other toxic or hazardous materials, unless residues are first cleaned up using dry clean-up methods and appropriate control measures to minimize discharges of mobilized solids and other pollutants have been implemented.</td>
<td>Street wash waters that do not contain detergents and where no un-remediated spills or leaks of toxic or hazardous materials have occurred.</td>
</tr>
<tr>
<td>Routine external building wash down/power wash water that does not use detergents or hazardous cleaning products.</td>
<td>--</td>
</tr>
<tr>
<td>Uncontaminated ground water or spring water.</td>
<td>Diverted stream flows, rising ground waters, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, and springs.</td>
</tr>
<tr>
<td>Foundation or footing drains where flows are not contaminated with process materials.</td>
<td>Foundation and footing drains.</td>
</tr>
<tr>
<td>Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from the cooling tower.</td>
<td>--</td>
</tr>
<tr>
<td>--</td>
<td>Flows from riparian habitats and wetlands.</td>
</tr>
</tbody>
</table>
C. List the outfalls or onsite drainage points that were directly observed during the evaluation:

Table 2-15 lists the drainage points observed at the Village of Corrales facilities during preliminary evaluations.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Outfall</th>
<th>Outfall Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village Complex</td>
<td>East Detention Pond</td>
<td>VC1</td>
</tr>
<tr>
<td>Village Complex</td>
<td>West Detention Pond</td>
<td>VC2</td>
</tr>
<tr>
<td>Public Works Yard</td>
<td>Detention Pond</td>
<td>PWW1</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>Field Detention Pond</td>
<td>RCP1</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>Arena Detention Pond</td>
<td>RCP2</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>East Detention Pond Inlet</td>
<td>MF1</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>West Detention Pond Inlet</td>
<td>MF2</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>North Detention Pond</td>
<td>FS1</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>South Detention Pond</td>
<td>FS2</td>
</tr>
</tbody>
</table>

D. Different types of non-storm water discharge(s) and source locations:

Non-stormwater discharges were observed during the preliminary evaluations of the Village of Corrales municipal facilities. The non-stormwater discharges observed are critical to the missions of the facilities at which they were observed and are discharged to detention ponds which are not connected to the MS4. Non-stormwater discharges, source locations, and outfalls are summarized in Table 2-16.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Non-Stormwater Discharge</th>
<th>Outfall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Fire Station</td>
<td>Vehicle Wash Water</td>
<td>MF1 (East Detention Pond Inlet)</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>Pump Test Water</td>
<td>MF1 (East Detention Pond Inlet)</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>Vehicle Wash Water</td>
<td>FS1 (North Detention Pond)</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>Firefighting Training Water</td>
<td>FS1 (North Detention Pond)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FS2 (South Detention Pond)</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>Equipment (mower) Wash Water</td>
<td>RCP1 (Field Detention Pond)</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>Swimming Pool Filter Backwash</td>
<td>RCP1 (Field Detention Pond)</td>
</tr>
</tbody>
</table>
E. Action(s) taken, such as list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was rerouted to sanitary, or NDPES permit application was submitted for an unauthorized cooling water discharge:

Because the observed non-stormwater discharges are required for normal operation of the Village of Corrales facilities and the discharges are not directly to the MS4, no immediate actions were taken as the result of these preliminary evaluations.

F. Recommendations and potential future actions to eliminate non-stormwater discharges to Village of Corrales detention ponds:

Table 2-17 lists recommended actions for those non-stormwater discharges that are required for normal operations. Implementation of the recommended actions would ensure non-stormwater discharges do not enter detention ponds.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Non-Stormwater Discharge</th>
<th>Recommended Action(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Fire Station</td>
<td>Vehicle Wash Water</td>
<td>• Install sump to collect water</td>
</tr>
<tr>
<td></td>
<td>Pump Test Water</td>
<td>• Install drain tied in to septic tanks and sanitary sewer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Designate area for vehicle washing and pump testing in garage bay</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>Vehicle Wash Water</td>
<td>• Direct outlet pipe from the garage bay to a sump rather than to FS1</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>Firefighting Training Water</td>
<td>• Designate paved area with drain to a sump for firefighting training</td>
</tr>
<tr>
<td>Recreation/Parks Complex</td>
<td>Equipment Wash Water</td>
<td>• Install sump below designated equipment wash area</td>
</tr>
<tr>
<td>Recreation/Parks Complex</td>
<td>Pool Filter Backwash</td>
<td>• Direct backwash to sanitary sewer</td>
</tr>
</tbody>
</table>

2.7 SALT STORAGE

Table 2-18 contains details regarding salt storage for each of the Village of Corrales municipal facilities covered under this SWPPP.
### Table 2-18
Salt Storage at the Village of Corrales Facilities

<table>
<thead>
<tr>
<th>Facility</th>
<th>Salt Storage</th>
<th>Location</th>
<th>Approximate Quantity/Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village Complex</td>
<td>No</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Village Public Works Yard</td>
<td>Yes</td>
<td>Outdoors</td>
<td>1 cubic yard</td>
</tr>
<tr>
<td>Recreation/Park complex</td>
<td>Yes</td>
<td>Indoors</td>
<td>Minimal</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>Yes</td>
<td>Indoors</td>
<td>Minimal</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>No</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

### 2.8 SAMPLING DATA SUMMARY

As of October 2017, no sampling data for the Village of Corrales municipal facilities is available. The facilities are not required to conduct either numerical effluent limitation monitoring or benchmark monitoring, only visual monitoring. Therefore, it is not anticipated that analytical data will be generated by implementing this plan. Should stormwater samples be collected and analyzed for other reasons, a summary of that data will be retained in Appendix J.
3. **STORM WATER CONTROL MEASURES**

Storm water controls at the facility are instituted in the form of Best Management Practices (BMPs) designed to address activities that are potential sources of storm water pollution. Each BMP outlines measures designed to reduce the potential for storm water pollution. There are currently seven BMPs implemented at the Village of Corrales municipal facilities. The BMPs are listed below and presented in their entirety in Appendix F.

- BMP 1 – Facility-Wide Best Management Practices
- BMP 2 – Vehicle and Equipment Maintenance
- BMP 3 – Vehicle and Equipment Cleaning
- BMP 4 – Vehicle and Equipment Storage
- BMP 5 – Outdoor Handling, Storage, and Disposal of Waste Materials
- BMP 6 – Building and Grounds Maintenance
- BMP 7 – Structural Storm Water Controls

Appendix F includes a matrix of BMPs that have been assigned to the Village of Corrales facilities according to the activities performed.

3.1 **GOOD HOUSEKEEPING**

Good Housekeeping is an ongoing effort by the Village of Corrales facilities. Each municipal facility covered by this SWPPP, with the exception of the Public Works Yard, maintains its own dumpster. Waste in all dumpsters is removed on a regular basis, and PPT members are required to inspect trash receptacles for the presence of potential stormwater pollutants (soil waste, hazardous fluids, leachate, etc.) associated with good housekeeping during the quarterly routine facility inspections discussed in Section 5. Any maintenance fluids, hazardous waste, and biohazards waste is properly stored and disposed. Contracted disposal of these fluids and wastes is documented in waste manifests that are maintained for a minimum of three years.

The Recreation/Park Complex also has an area that contains its green waste (foliage and grass clippings) and manure that are to be composted at the facility. The Main Fire Station also maintains a green materials (firewood) storage area. Green waste and manure areas are kept under cover and inspected on a regular basis for signs of runoff.

Spills and Leaks that occur at any Village of Corrales municipal facility are immediately acted upon. Spill cleanup materials are stored at designated areas at the Public Works Yard, Recreation/Park Complex, and Main Fire Station. Used spill cleanup materials are disposed of properly. Employees are trained in the proper clean-up and disposal of spill cleanup materials and other contaminated soils.
Equipment and material storage areas are kept orderly and are inspected on a regular basis. No fluids are stored within outdoor material storage area unless appropriate containment and signage is provided.

The storm drain outfalls inlets and outfalls are regularly inspected and cleaned of litter and debris. Each municipal facility covered by this SWPPP is responsible for conducting routine litter maintenance to mitigate build up around the storm water control structures.

The Village of Corrales conducts annual trainings for individuals from all facilities covered under this SWPPP. Training provides an overview of good housekeeping practices that should be implemented at the Village of Corrales facilities.

### 3.2 MINIMIZING EXPOSURE

The following practices are followed to minimize the exposure of stormwater to potential sources of pollution:

- Maintenance activities are conducted indoors when practical.
- Materials are stored under cover, in containers (i.e., tanks), or in storm-resistant sheds.
- Fueling activities are conducted in designated fueling areas.
- When possible all used fluids are stored indoors, when not possible used fluids are stored under cover to prevent contact with precipitation.
- All outdoor storage of fuel and oil should be kept on secondary containment.
- PPT members are required to inspect their facilities on a quarterly basis to ensure exposure to pollutants is minimal.

### 3.3 MAINTENANCE

Routine preventative maintenance on small equipment and minor maintenance of fire trucks is performed onsite at the Main Fire Station. According to good engineering practices the routine maintenance should be performed to prevent spills and leaks from occurring. During quarterly routine facility inspections, PPT members inspect all pieces of equipment and machinery to ensure they are clean and in good repair.

### 3.4 SPILL PREVENTION AND RESPONSE

The following spill prevention and response measures have been implemented at the facility:

- Materials that could be susceptible to spillage or leakage (e.g., “Used Oil,” “Spent Solvents,” “Fertilizers,” and “Pesticides”) are clearly labeled to encourage proper handling and facilitate rapid response if spills or leaks occur;
Procedures for material storage and handling have been established. These include procedures for waste oil transfers, the use of secondary containment, and barriers between material storage and traffic areas;

- Liquids stored outdoors or indoors directly adjacent to a doorway will be located within secondary containment;

- Training on the procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases is conducted. As appropriate, procedures are executed as soon as possible;

- Spill kits are maintained on-site, near areas where spills may occur or where a rapid response can be made; and

- Appropriate facility personnel are notified when a leak, spill, or other release occurs.

A Spill Response Plan is included as Appendix B. The Village of Corrales facilities do not meet the requirements to have a Spill Prevention Control and Countermeasure (SPCC) Plan.

Spill prevention and response procedures are assessed on a quarterly basis for any updates and personnel changes that might affect preventative measures and the efficiency in responding to a spill or release.

Spill cleanup materials must be stocked and labeled at all times. Spent cleanup materials are disposed of immediately and properly. All tanks, drums, buckets and other storage containers are properly labeled and, if stored outdoors or indoors directly adjacent to a doorway, shall be secondarily contained.

### 3.5 EROSION AND SEDIMENT CONTROLS

Few of the surfaces at the Village of Corrales municipal facilities are paved with asphalt or concrete. Table 3-1 lists the areas at the Village of Corrales municipal facilities that are paved.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Area(s) Paved with Asphalt or Concrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrales Village Complex</td>
<td>Sidewalks adjacent to buildings, Village center parking area</td>
</tr>
<tr>
<td>Village Public Works Yard</td>
<td>None</td>
</tr>
<tr>
<td>Recreation/Park Complex</td>
<td>Skate park, tennis courts, basketball court, swimming pool, asphalt road</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>Asphalt and concrete pads/parking areas adjacent to garage bay</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>Concrete pads immediately adjacent to building and garage bay</td>
</tr>
</tbody>
</table>
The municipal facilities covered by this SWPPP are generally flat and the potential for erosion is low. Areas of the Village of Corrales municipal facilities shall be evaluated for erosion as part of the quarterly routine inspections. Any significant findings shall be reported to the Village Administrator. Stormwater management structures are outlined in BMP 7.

### 3.6 MANAGEMENT OF RUNOFF

Stormwater runoff from Village of Corrales facilities drains directly into onsite detention ponds as outlined in Section 2. Runoff in the detention ponds infiltrates or evaporates and is not discharged to the MS4 or Rio Grande River.

### 3.7 SALT STORAGE PILES OR PILES CONTAINING SALT

Salt for pavement and roadway deicing is stored at the Village of Corrales municipal facilities covered under this SWPPP indoors or outdoors, covered by tarps. See Section 2.7 for more details regarding salt storage.

### 3.8 TRAINING

The Village of Corrales is responsible for providing training to the municipal facility managers and PPT members regarding the components and goals of this SWPPP. The Village Complex, Public Works Yard, Recreation/Park Complex, Main Fire Station and Fire Substation #1 are expected to send at least one representative (PPT member) to participate in annual SWPPP training then perform annual staff training. Employees who work in areas where materials or activities have to potential to contribute to stormwater pollution, or who are responsible for implementing BMPs to meet the conditions of the MSGP 2015 or this SWPPP are required to have appropriate storm water pollution prevention training.

Training is provided by the Village of Corrales or designee at least annually, with additional training made available as requested by the Village of Corrales facilities. Elements that are included in training sessions include the following:

- Purpose, need, and requirement for storm water pollution prevention;
- Examples of unallowable non-storm water discharges;
- Availability, layout and contents of the SWPPP;
- Description and applicability of the BMPs;
- Good housekeeping and preventative maintenance requirements;
- Spill response procedure;
- Spill reporting requirements; and
- Documentation requirements.
All training events are documented including the date of training, identification of the trainer and attendees, and subjects covered. Training records for the Village of Corrales train-the-trainer sessions over the past three years are kept in Appendix G of this SWPPP.

3.9 NON-STORM WATER DISCHARGES

Non-storm water discharges were evaluated as described in Section 2.6 Non-Storm Water Discharges Documentation. Training is used as the stormwater control measure for the following non-stormwater discharges. Training elements for each non-stormwater source are outlined in Table 3-2.

<table>
<thead>
<tr>
<th>Non-stormwater Source</th>
<th>Training Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landscape watering</td>
<td>Procedures to ensure that pesticides, herbicides and fertilizers are applied in accordance with approved manufacture’s labeling and any applicable permits.</td>
</tr>
<tr>
<td>Pavement and building wash waters</td>
<td>Train employees to not use detergents or cleaning products.</td>
</tr>
<tr>
<td>Vehicle and equipment washing, pump tests</td>
<td>Identification of options to eliminate or reduce this non-stormwater source.</td>
</tr>
<tr>
<td>Firefighting training water</td>
<td>Identification of options to eliminate or reduce this non-stormwater source.</td>
</tr>
</tbody>
</table>

3.10 WASTE, GARBAGE, AND FLOATABLE DEBRIS

BMP 5.0 is followed for the outdoor handling, storage and disposal of waste and materials. Garbage is collected in dumpsters at each facility, which is routinely collected and removed off each property.

Green waste is stored at the Recreation/Park Complex and Main Fire Station. Green waste and fertilizer are composted at the Recreation/Park Complex while the green waste at the Main Fire Station is given to Village of Corrales residents. The green waste is quarantined to limit the amount that exits each property and becomes waste and floatables.

Each facility is responsible for controlling solid waste within their property. Solid waste and recyclable materials are properly handled and disposed of at each facility. Good housekeeping by all Village of Corrales entities helps to reduce the potential for waste, garbage, and floatable debris from becoming potential storm water pollutants.
3.11 DUST GENERATION AND VEHICLE TRACKING OF INDUSTRIAL MATERIALS

Many of driving surfaces at the Village of Corrales municipal facilities are paved with asphalt. For the unpaved surfaces, tracking of materials is not anticipated as vehicles do not come into contact with fuels, salt, or other industrial materials.

Any construction projects that take place at the any of the Village of Corrales facilities that disturb more than 1 acre will be covered under a separate construction SWPPP.
4. INSPECTIONS

Two types of inspections are conducted quarterly at the Village of Corrales municipal facilities. Each is discussed in additional detail in the following subsections.

- Quarterly Routine Facility Inspections
- Quarterly Visual Storm Water Assessments

4.1 QUARTERLY ROUTINE FACILITY INSPECTIONS

Routine facility inspections:

- Are to be conducted by a PPT member, or a designee is responsible for performing quarterly visual stormwater assessments. A full list of the Village of Corrales PPT members is included in Appendix A.

- Are to be conducted quarterly using the form provided in Appendix J. The inspections cover the areas identified in Table 2-1, Table 2-2, Table 2-5, Table 2-8, and Table 2-11 as having the potential to contribute to stormwater pollution.
  - Fuel storage and dispensing areas
  - Maintenance areas
  - Fluid storage areas
  - Used oil and fuel storage areas
  - Vehicle or equipment washing areas
  - Vehicle or equipment storage areas
  - Waste handling and disposal areas
  - Outdoor materials handling and storage areas

4.2 QUARTERLY VISUAL STORM WATER ASSESSMENTS

Quarterly visual monitoring:

- Are to be conducted by a PPT member, or a designee is responsible for performing quarterly visual stormwater assessments. A full list of the Village of Corrales PPT members is included in Appendix A.

- Sampling locations are presented in Table 4-1 for each Village of Corrales municipal facility.
Table 4-1
Visual Sampling Locations

<table>
<thead>
<tr>
<th>Facility</th>
<th>Outfall Name</th>
<th>Visual Sampling Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village Complex</td>
<td>VC1</td>
<td>Detention pond inlet</td>
</tr>
<tr>
<td></td>
<td>VC2</td>
<td>Detention pond inlet</td>
</tr>
<tr>
<td>Public Works Yard</td>
<td>PWY1</td>
<td>Detention pond inlet</td>
</tr>
<tr>
<td>Recreation/Parks Complex</td>
<td>RCP1</td>
<td>Parking lot drain or inlet pipe</td>
</tr>
<tr>
<td></td>
<td>RCP2</td>
<td>Detention pond inlet</td>
</tr>
<tr>
<td>Main Fire Station</td>
<td>MF1</td>
<td>Detention pond drain inlet</td>
</tr>
<tr>
<td></td>
<td>MF2</td>
<td>Detention pond drain inlet</td>
</tr>
<tr>
<td>Fire Substation #1</td>
<td>FS1</td>
<td>Detention pond inlet</td>
</tr>
<tr>
<td></td>
<td>FS2</td>
<td>Detention pond inlet</td>
</tr>
</tbody>
</table>

Assessment Guidance:

Qualitative visual observation of the following characteristics is required: color, odor, clarity, floating solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. All examinations will be performed in a manner that ensures that the sample is representative of the discharge. Samples will be collected in a clean, clear, glass or plastic container and examined in a well-lit area. For more information on the visual monitoring process, please refer to EPA 832-B-09-003 (Industrial Stormwater Monitoring and Sampling Guide, March 2009)

As described in the MSGP 2015 (Section 6.1.3 Measurable Storm Events), “All required monitoring must be performed on a storm event that results in an actual discharge from your site (“measurable storm event”) that follows the preceding measurable storm event by at least 72 hours (3 days). The 72-hour (3-day) storm interval does not apply if you are able to document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period. In the case of snowmelt, the monitoring must be performed at a time when a measurable discharge occurs at your site.” Visual samples should be taken each time stormwater flows at the visual sampling locations.

The PPT will review the results of the examination and will modify the SWPPPP as necessary to address the conclusions of the team.
5. **SWPPP CERTIFICATION**

I, the preparer of the SWPPP, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of a fine and imprisonment for knowing violations.

**Village of Corrales**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. Bradford Sumrall, P.E.</td>
<td>Principal Engineer</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Signature</td>
<td>Date</td>
</tr>
<tr>
<td>5/7/2018</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary SWPPP Contact</th>
<th>Title</th>
</tr>
</thead>
<tbody>
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6. **SWPPP MODIFICATIONS**

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6-1
## Appendix A: Village of Corrales Pollution Prevention Team

<table>
<thead>
<tr>
<th>Department</th>
<th>Facility Name</th>
<th>Contact</th>
<th>Responsibility</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village Administration</td>
<td>NA</td>
<td>Suanne Derr</td>
<td>PPT Leader (Primary Contact)</td>
<td>4324 Corrales Road</td>
<td>Corrales</td>
<td>NM</td>
<td>87048</td>
<td>(505) 897-0502</td>
<td><a href="mailto:sderr@corrales-nm.org">sderr@corrales-nm.org</a></td>
</tr>
<tr>
<td>Police Department</td>
<td>Village Complex</td>
<td>Vic Mangeacapra</td>
<td>Primary Contact</td>
<td>4324 Corrales Road</td>
<td>Corrales</td>
<td>NM</td>
<td>87048</td>
<td>(505) 897-1277</td>
<td><a href="mailto:vmangeacapra@corrales-nm.org">vmangeacapra@corrales-nm.org</a></td>
</tr>
<tr>
<td>Parks and Recreation</td>
<td>Recreation/ Park Complex</td>
<td>Lynn Siverts</td>
<td>Primary Contact</td>
<td>500 Jones Road</td>
<td>Corrales</td>
<td>NM</td>
<td>87048</td>
<td>(505) 702-4170</td>
<td><a href="mailto:lsiverts@corrales-nm.org">lsiverts@corrales-nm.org</a></td>
</tr>
<tr>
<td>Public Works</td>
<td>Public Works Yard</td>
<td>Lynn Siverts</td>
<td>Primary Contact</td>
<td>500 Jones Road</td>
<td>Corrales</td>
<td>NM</td>
<td>87048</td>
<td>(505) 702-4170</td>
<td><a href="mailto:lsiverts@corrales-nm.org">lsiverts@corrales-nm.org</a></td>
</tr>
<tr>
<td>Fire Department</td>
<td>Main Fire Station</td>
<td>Anthony Martinez</td>
<td>Primary Contact</td>
<td>4920 Corrales Road</td>
<td>Corrales</td>
<td>NM</td>
<td>87048</td>
<td>(505) 934-3690</td>
<td><a href="mailto:amartinez@corrales-nm.org">amartinez@corrales-nm.org</a></td>
</tr>
<tr>
<td>Fire Department</td>
<td>Main Fire Station</td>
<td>Tanya Lattin</td>
<td>Secondary Contact</td>
<td>4920 Corrales Road</td>
<td>Corrales</td>
<td>NM</td>
<td>87048</td>
<td>(505) 934-7501</td>
<td><a href="mailto:tlattin@corrales-nm.org">tlattin@corrales-nm.org</a></td>
</tr>
<tr>
<td>Fire Department</td>
<td>Fire Substation #1</td>
<td>Anthony Martinez</td>
<td>Primary Contact</td>
<td>100 Paseo Tomas Montoya</td>
<td>Corrales</td>
<td>NM</td>
<td>87048</td>
<td>(505) 934-3690</td>
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Spill Prevention and Response Plan for Recreation/Park Complex

Spill Prevention:
- Ensure that all hazardous substances are properly labeled and all MSDS are in a visible and readily available area
- Store, dispense and use hazardous substances in a way that prevents release
- Always place hazardous substance on secondary containment when storing outside and not under cover
- Maintain good housekeeping practices for all chemical materials at the facility.

Small spills can be contained by facility personnel if they are able to do so without risking safety and injury.

 Evaluate Source and Size of Spill

Immediately call 911 in the event of injury, fire, or potential fire, or a spill of a hazardous substance that gives rise to an emergency situation (i.e. ground, surface water, floor drains, or storm drains)

Small or Incidental Spills (<5 Gal)
- Isolate the area
- Stop and contain source of the spill
- Clean up spill to prevent injury or damage
- Properly characterize and dispose of clean-up materials

Large or Reportable Spills (>5 Gal)
- Isolate the area
- Contain source of the spill
- Contact emergency responders/clean up contractors
- Clean up spill to prevent injury or damage
- Properly characterize and dispose of clean-up materials

DO NOT PANIC. Inform Others
Emergency Contact: 911
Suanne Derr, SWPPP PPT Leader
Phone: 505-897-0502
Lynn Siverts, Secondary Contact
Phone: 505-702-4170
1. Drain Outlet
2. Maintenance Buildings
3. Storm Drain (ALT. SAMPLE LOCATION)
4. Pool Chemical Storage
5. Portable Toilet
6. Dumpster
7. Compost Area
Spill Prevention and Response Plan for Main Fire Station

Spill Prevention:

- Ensure that all hazardous substances are properly labeled and all SDS are in a visible and readily available area
- Store, dispense and use hazardous substances in a way that prevents release
- Always place hazardous substance on secondary containment when storing outside and not under cover
- Maintain good housekeeping practices for all chemical materials at the facility.

Small spills can be contained by facility personnel if they are able to do so without risking safety and injury.

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- Clean up spill to prevent injury or damage
- Properly characterize and dispose of clean-up materials

---

**DO NOT PANIC. Inform Others**

Emergency Contact: 911
Suanne Derr, SWPPP PPT Leader
   Phone: 505-897-0502
Anthony Martinez, Primary Contact
   Phone: 505-934-3690
APPENDIX C

MULTI-SECTOR GENERAL PERMIT 2015

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FIGURE
ALBUQUERQUE NEW MEXICO
3840 COMMONS AVE
(505) 837-6540

NOT TO SCALE
LOCATION MAP
VICINITY MAP
VILLAGE OF CORRALES
MS4 PERMIT SUPPORT PROJECT

FACILITIES
1 CORRALES VILLAGE COMPLEX
2 PUBLIC WORKS YARD
3 RECREATION/PARK COMPLEX
4 MAIN FIRE STATION
5 FIRE SUBSTATION 1
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NOTES: TOTAL ACREAGE: 2.5 ACRES
NO SIGNIFICANT SPILLS SINCE OCT. 2014
RECEIVING WATER CLASSIFICATION: N/A*
PESTICIDES AND WEED CONTROL MAY BE IN USE
* NO RECEIVING WATERS

1. DUMPSTER
2. VEHICLE/EQUIPMENT STORAGE
3. ANIMAL FREEZER

NOT TO SCALE
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This page is intentionally left blank
NOTES: TOTAL ACREAGE: 17.3 ACRES
NO SIGNIFICANT SPILLS SINCE OCT. 2014
RECEIVING WATER CLASSIFICATION: N/A*
PESTICIDES AND WEED CONTROL MAY BE IN USE
* NO RECEIVING WATERS

KEYED NOTES
1. DRAIN OUTLET
2. MAINTENANCE BUILDINGS
3. STORM DRAIN
   (ALT. SAMPLE LOCATION)
4. POOL CHEMICAL STORAGE
5. PORTABLE TOILET
6. DUMPSTER
7. COMPOST AREA

NOT TO SCALE
NOTES: TOTAL ACREAGE: 1.8 ACRES
NO SIGNIFICANT SPILLS SINCE OCT. 2014
RECEIVING WATER CLASSIFICATION: N/A*
* NO RECEIVING WATERS
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NOTES:  TOTAL ACREAGE: 2.0 ACRES (APPROX.)
NO SIGNIFICANT SPILLS SINCE OCT. 2014
RECEIVING WATER CLASSIFICATION: N/A*
* NO RECEIVING WATERS

KEYED NOTES
1. DUMPSTER
2. OUTLET FROM GARAGE BAY
3. FIRE FIGHTING TRAINING AREA
APPENDIX E

EVALUATION OF NON-STORM WATER DISCHARGES
Village Complex

Conditions at VC1 during preliminary evaluation on September 6, 2017
Village Complex

Conditions at VC2 during preliminary evaluation on September 6, 2017
Public Works Yard

PWY1 not yet constructed during preliminary evaluation on September 6, 2017
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Recreation/Park Complex

Conditions at RCP1 outlet pipe during preliminary inspection on September 6, 2017
Recreation/Park Complex

Conditions at RCP1 inlet on October 17, 2017
Recreation/Park Complex

Conditions of Arena Channel during preliminary evaluation on September 6, 2017
Recreation/Park Complex

Conditions at RCP2 during preliminary evaluation on September 6, 2017
Main Fire Station

Conditions of detention basin during preliminary evaluation on September 14, 2017
Main Fire Station

Conditions at MF1 during preliminary evaluation on September 14, 2017
Main Fire Station

Conditions at MF2 during preliminary evaluation on September 14, 2017
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Fire Substation #1

Conditions at FS1 during preliminary evaluation on September 14, 2107
Fire Substation #1

Conditions at FS2 during preliminary evaluation on September 14, 2017
APPENDIX F

BEST MANAGEMENT PRACTICES AND
SUMMARY OF SITE SPECIFIC BMPS
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# Applicable BMPs for Each Village of Corrales Municipal Facility

<table>
<thead>
<tr>
<th>Facility</th>
<th>BMP 1.0 Facility Wide Best Management Practices</th>
<th>BMP 2.0 Vehicle and Equipment Maintenance</th>
<th>BMP 3.0 Vehicle and Equipment Cleaning</th>
<th>BMP 4.0 Vehicle and Equipment Storage</th>
<th>BMP 5.0 Outdoor Handling, Storage, and Disposal</th>
<th>BMP 6.0 Building and Grounds Maintenance</th>
<th>BMP 7.0 Structural Stormwater Controls</th>
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BMP 1.0
Facility-Wide Best Management Practices

► PURPOSE:
Prevent or reduce the discharge of pollutants to storm water from all industrial operations with potential to impact storm water.

► APPROACH TO EXISTING FACILITY ACTIVITIES:

GOOD HOUSEKEEPING

1.01 General
- Maintain exposed areas in a clean and orderly manner.
- Take necessary steps to prevent pollutants from contacting storm water.

1.02 Clean Exterior Equipment Surfaces
- Keep exterior surfaces of vehicles, equipment, and containers clean by eliminating excessive amounts of external oil and grease buildup.
- Use water-based cleaning agents or non-chlorinated solvents to clean equipment, and collect and properly dispose of cleaning fluids.
- Use drum-top absorbent pads to contain small leaks.

1.03 Recycle, Reduce, and Reuse
- Identify opportunities to recycle, reclaim, and/or reuse materials to reduce the volume of materials brought in to the facility and reduce the volume of waste.
- Materials that may be recycled or reused include used oil, grease, antifreeze, brake fluid, solvents, hydraulic fluid, batteries, transmission fluid, washwater, and waste fuel.

1.04 Product Substitution
- Use biodegradable products and substitute materials with less hazardous properties where feasible.

1.05 Limit Material Inventory
- Limit inventory of materials stored on-site to reduce the magnitude of potential spills and waste generation.

MINIMIZE EXPOSURE OF POLLUTANTS TO STORM WATER

1.06 Storm-Resistant Shelters
- Where practicable, industrial materials and activities should be protected by a storm-resistant shelter to prevent exposure.

PREVENTATIVE MAINTENANCE

1.07 Maintain As-built Drawings
- Maintain as-built prints for all projects.

► TARGETED ACTIVITIES:
- Activities not covered by other BMPs.

► TARGETED POLLUTANTS:
- Fuels, Oils, Grease
- Potable water system flushing fluids
- Solvents
- Soaps, Detergents
- Battery Acid
- Paint

► KEY APPROACHES:
- Keep outside areas maintained
- Store materials and equipment inside to the extent practical
- Conduct preventative maintenance
- Conduct regular inspections
- Train employees in storm water pollution prevention techniques
- Document storm water pollution prevention activities
- Maintain and post Spill Response Plans

1.07 Maintain As-built Drawings
- Maintain as-built prints for all projects.
1.08 Design for Pollution Prevention

- Work with design and construction project managers to incorporate storm water management features into project design.
- Evaluate existing facilities for opportunities to improve functionality and efficiency, and decrease the potential for storm water pollution.
- Features that decrease the potential for storm water pollution may include:
  - Appropriate surface grading
  - Containment and/or cover
  - Storm water quality structures (e.g., oil/water separators, dead-end sumps, first flush diversion basins)
  - Use of concrete paving rather than asphalt
  - Fluid recycling systems
  - Waste repositories
  - Other control measures to eliminate potential material exposure to storm water

SPILL PREVENTION AND RESPONSE

1.09 Spill Response Plans

- Post the plan in a visible location within each work area where spills are likely to occur.
- Develop and implement a Spill Prevention Control and Countermeasure (SPCC) Plan, if required under guidelines set forth in 40 CFR, Section 112.3.

1.10 Maintain Spill Response Equipment and Supplies

- Maintain adequate supplies of spill response equipment and materials in accessible locations near areas where spills may be likely to occur, including on appropriate vehicles (maintenance vehicles) that may be likely to respond to or be involved in an incident.

1.11 Spill Containment and Response

- Immediately clean up all spills and leaks.
- Report all spills in accordance with facility specific spill response plan.
- Use drip pans to contain leaks and absorbent booms, mats, or other devices to contain liquid materials (washwater, fuel, etc.) and prevent them from entering the storm drain system.

1.12 Procedures for Cleaning Up Spills and Leaks

- Use absorbent materials and spill control equipment for temporary and immediate control of spills and leaks of liquid materials.
- Absorbent materials can be used in conjunction with curbing to provide cleanup of small spills within a containment area.
- Collect and remove absorbent materials from area soon after use and dispose of in an appropriate manner.
- Do not hose down the area unless the storm drain is blocked and drainage is collected and disposed of through a permitted connection to the sanitary sewer.
**BMP 1.0**  
**Facility-Wide Best Management Practices**

- Hazardous waste spill response must be consistent with 40 CFR 264 and 265 (RCRA).

**1.13 Disposal of Collected Fluids**
- Properly dispose of any collected fluids (e.g., spill fluids, or fluids collected in fuel tanks, fueling hydrant sumps, oil/water separators, etc.) according to applicable regulations.
- Vacuum equipment/trucks are recommended for collection. Always dispose of materials in an approved manner; use an approved treatment facility through a permitted connection.
- Never discharge materials to a catch basin or storm drain.

**1.14 Minimizing Exposure**
- Where practicable, industrial materials and activities will be protected by a storm resistant shelter to prevent exposure to rain or runoff.

**Routine Facility Inspections**

**1.15 Activity Inspections**
- Perform frequent activity inspections to identify and eliminate non-storm water discharges.
- Stagger inspection times to cover all work periods.

**1.16 Storm Drain Inlet Inspections**
- Perform quarterly visual inspections of discharge points into the storm drain system.
- Identify any non-storm water discharges, sediment, debris, or other potential contaminants that may be entering the storm drain system.

**1.17 Inspections for Facility Upgrades**
- Perform inspections during design review and project construction phases to ensure drainage, wastewater, and water supply connections are correct (no cross connections or illicit hookups).

**1.18 Illicit Connections Inspections**
- Perform construction phase, post-construction, and existing facility inspections to identify improper physical connections to the storm drain system from sanitary sewers, floor drains, industrial process discharge lines, and wash racks.

**Employee/Contractor Training**

**1.19 General Employee Training**
Provide the appropriate level of employee training in the following areas:

- Land transportation and warehousing environmental policies and procedures,
- Spill response and prevention,
- Storm water pollution prevention education,
- Right-to-know awareness training,
- Hazardous materials management.
1.20 Storm Water Training
- Provide annual storm water management training as required in the MSGP 2015.
- Incorporate required elements in training program and maintain a log of employee attendance.

1.21 Contractor Education
- Provide construction and operational contractors and haulers with copies of pertinent BMPs.
- Require contractor/hauler adherence to BMP specifications.
- Provide contractors and subcontractors with copies of relevant BMPs during specification and bidding phases.

MANAGEMENT OF STORM WATER RUNOFF

1.22 Outdoor Water Supplies
- Limit availability of outdoor water supplies.
- Post signs at outdoor water sources identifying appropriate uses and discouraging uses that would introduce pollutants to the storm drain system/receiving waters.

RECORDKEEPING AND REPORTING

1.23 Comply with Record Keeping and Reporting Requirements of the MSGP
- The record keeping and reporting requirements contained in the MSGP should be followed.
BMP 2.0
Vehicle and Equipment Maintenance

► PURPOSE:
Prevent or reduce the discharge of pollutants to storm water from vehicle and equipment maintenance and repair, including vehicle and equipment painting/stripping and floor washdowns. Prevent or reduce the discharge of pollutants to storm drains by inspecting activities and discharge points that may increase the potential for discharge.

► APPROACH TO EXISTING FACILITY ACTIVITIES:

**Good Housekeeping**

2.01 Parts Cleaning and Degreasing
- Contain the use of solvents and other cleaning compounds to designated interior areas to promote safe handling and to minimize exposure to storm water.
- Use designated washing, steam cleaning, and degreasing areas to clean equipment. Equipment cleaning shall be conducted in accordance with BMP 3.0.

2.02 Contain Drips, Leaks, and Spills
- Use drip pans when performing outdoor maintenance or use with vehicles or equipment awaiting repair.
- Use adsorbent materials at potential problem areas. Adequately collect and remove adsorbent material from the area after use and dispose of in an appropriate manner.

2.03 Maintain Working Areas
- Do not hose down work areas or use concrete cleaning products unless the storm drain inlets are blocked and washwater is collected and properly disposed of through a permitted sewer connection.
- As an alternative to floor/pavement washing, use mops, dry sweeping compound, or contract professional cleaning services. Confirm the use of appropriate practices by contract cleaning services.
- Store mechanical parts and equipment that may yield even small amounts of contaminants (e.g. oil or grease) indoors or under cover and away from storm drains.

2.04 Disposal of Maintenance Fluids
- Recycle or properly dispose of the following: greases, oils, antifreeze, brake fluid, cleaning solutions, hydraulic fluid, batteries, transmission fluid, and filters.
- Drain and properly dispose of all fluids and remove batteries from salvage vehicles and equipment. Fluid disposal shall occur regularly and properly in accordance with BMP 5.0.

► TARGETED ACTIVITIES:
- Vehicle Maintenance
- Equipment Maintenance

► TARGETED POLLUTANTS:
- Fuels, Oils, Grease
- Solvents
- Soaps, Detergents
- Battery Acid
- Paint

► KEY APPROACHES:
- Conduct maintenance indoors, or in covered area
- Prevent washwater discharges to the storm drain
- Clean catch basins regularly
- Collect and properly dispose of all fluids
- Conduct Preventative Maintenance
M​INIMIZE E​XPOSURE OF P​OLLUTANT TO S​TORM W​ATER

2.05 P​erform M​aintenance A​ctivities Indoors

Where practicable, perform vehicle and equipment maintenance activities indoors to prevent exposure of pollutants to storm water.

S​PILL P​REVENTION AND R​ESPONSE

2.06 P​reventing Pollutant Exposure When Performing Maintenance Activities

- Move activities and associated materials and waste indoors or provide appropriate controls in maintenance areas, such as cover, berms, sumps, oil/water separators or retention basins to protect storm drains.
- Perform activities away from storm drains or cover storm drains.

R​OUTINE F​ACILITY I​NSPECTIONS

2.07 M​aintenance A​rea Inspections

- Perform regular inspections of equipment containing greases, oils, fuel, hydraulic fluid, antifreeze etc.
- Keep the equipment in good working order. Replace worn equipment before leaks develop.
- Notify appropriate personnel if it is noticed that vehicles or equipment require maintenance.
- Perform regular inspections of parts washers, hydraulic lifts, or other maintenance support components.

N​OTE: See BMP 1.0 for generally applicable measures related to Preventative Maintenance, Training, Runoff Management, and Record Keeping and Reporting.

► A​PPROACH TO FUTURE FACILITIES AND UPGRADES:

D​ESIGN OF N​EW F​ACILITIES AND E​XISTING F​ACILITY UPGRADES

- Provide covered maintenance areas when designing new facilities or upgrading existing facilities.
- Utilize indoor areas, lean-to, or portable covers.
- Locate outdoor maintenance areas so minimal quantities of runoff cross the site.
- Include appropriate storm water quality structures (oil/water separators, sumps, first flush diversion basins, etc.) in the design of outdoor maintenance areas.
BMP 3.0
Vehicle and Equipment Cleaning

PURPOSE:
Prevent or reduce the discharge of pollutants to storm water from vehicle and equipment washing and equipment degreasing.

APPROACH TO EXISTING FACILITY ACTIVITIES:

GOOD HOUSEKEEPING

3.01 Washing Vehicles and Equipment
- Use off-site commercial washing or "dry" washing and surface preparation techniques when possible.
- Remove all materials (i.e., drippings and residue) using vacuum methods and dispose of properly.
- Use biodegradable phosphate-free detergents.
- Follow an approved wash plan or use designated wash areas that are covered and/or bermed to prevent contamination of storm water by contact with wastes.

PREVENTATIVE MAINTENANCE

3.02 Outdoor Wash Area Requirements
- Outdoor washing operations should have the following design characteristics:
  - Covered and paved and bermed with Portland cement concrete.
  - Sloped to facilitate washwater collection.
  - Water is collected or discharged to the sanitary sewer.
  - Discharge piping serving uncovered wash areas should have a positive shut-off control valve.
  - Wash areas should be clearly identified with signage.
  - Equipped with an oil/water separator designed to operate under storm water runoff conditions.

ROUTINE FACILITY INSPECTIONS

3.03 Wash Area Inspections
- Inspect wash areas for cracks or breaches to berms or concrete surfaces and repair.

TARGETED ACTIVITIES:
- Vehicle Washing
- Equipment Washing
- Equipment Degreasing

TARGETED POLLUTANTS:
- Fuels, Oil, Grease
- Solvents
- Vehicle Fluids
- Soaps, Detergents

KEY APPROACHES:
- Use designated area
- Use dry washing techniques
- Recycle washwater or discharge appropriately
- Cover catch basins
- Provide training
BMP 3.0
Vehicle and Equipment Cleaning

**Management of Storm Water Runoff**

3.04 Use Designated Wash Areas

- Use designated areas for washing, steam cleaning, and degreasing.

*NOTE:* See BMP 1.0 for generally applicable measures related to Preventative Maintenance, Training, Runoff Management, and Record Keeping and Reporting.

► **Approach to Future Facilities and Upgrades:**

**Design of New Facilities and Existing Facility Upgrades**

- Consider off-site commercial washing where feasible. Using appropriate offsite facilities will decrease the waste generated on-site.
- Consider incorporating a washwater recycling system into the project design.
- Outdoor washing operations should have the following design characteristics:
  - Paved with Portland cement concrete.
  - Bermed and/or covered (if feasible) to prevent contact with storm water.
  - Sloped to facilitate washwater collection.
  - Washwater should be collected in a dead-end sump for removal or discharged to the sanitary sewer through a permitted connection.
  - Discharge piping serving uncovered wash areas should have a positive shut-off control valve that allows switching between the storm drain and the sanitary sewer.
  - Clearly designated.
  - Equipped with an oil/water separator designed to operate under storm water runoff conditions (treat storm water).
BMP 4.0
Vehicle and Equipment Storage

► PURPOSE:
Prevent or reduce the discharge of pollutants to storm water from outdoor storage areas (i.e., fuels, chemicals, bagged material on pallets, soils or asphalt material bulk storage, etc.).

► APPROACH TO EXISTING FACILITY ACTIVITIES:

**GOOD HOUSEKEEPING**

4.01 Vehicles and Equipment Storage

- Use drip pans or specially-designed absorbent pads to contain releases.
- Repair leaks in an expeditious manner.
- Store vehicles and equipment in an area established to contain any incidental leaks and under cover, if possible.
- For long term storage (>30 days), remove fluids and salvage batteries (which often drip oil and other fluids).
- Clean oil, grease or chemical residue off exterior surfaces prior to long term storage.
- Store vehicles and equipment away from curbs, gutters and storm drains.

4.02 Temporary Parking of Tanker Trucks and Materials Transport Vehicles

- Designate areas for parking tanker trucks and material transport vehicles where spills and leaks can be contained and cleaned.
- Use covered loading and unloading areas for transfer of potential pollutants (especially liquid materials), such as building overhangs, to reduce exposure of materials, vehicles, and equipment to storm water.

► TARGETED ACTIVITIES:

Fuel, Chemical, Equipment Storage

► TARGETED POLLUTANTS:

- Fuel, Oils, Grease
- Solvents
- Hydraulic Fluid
- Soaps, Detergents

► KEY APPROACHES:

- Store vehicles and equipment indoors or under cover
- Repair leaks and ensure clean surfaces prior to long term storage
- Drain fluids before storage
- Perform and document periodic inspections
- Designate storage areas away from storm drains
BMP 4.0
Vehicle and Equipment Storage

► APPROACH TO FUTURE FACILITIES AND UPGRADES:

**DESIGN OF NEW FACILITIES AND EXISTING FACILITY UPGRADES**

- Require the use of appropriate water quality control structures for fuel and chemical storage areas such as detention/retention basins and sumps.
- Develop appropriate minimum performance standards for these water quality control structures and implement a reporting program to monitor the performance and maintenance of these structures.
- Chemical, fuel, and oil dispensing areas should be covered, if possible.
- Develop standard guidelines for the management of storm water which collects in secondary containment areas.

**NOTE:** See BMP 1.0 for generally applicable measures related to Preventative Maintenance, Training, Runoff Management, and Record Keeping and Reporting.
BMP 5.0
Outdoor Handling, Storage, and Disposal of Waste and Materials

► PURPOSE:
Prevent or reduce the discharge of pollutants to storm water from loading and unloading of material. Prevent or reduce the discharge of pollutants to storm water from waste handling and disposal by tracking waste generation, storage, and disposal; reducing waste generation and disposal through source reduction, re-use, and recycling; and preventing run-on and runoff from waste management areas, including garbage collection areas.

► APPROACH TO EXISTING FACILITY ACTIVITIES:

GOOD HOUSEKEEPING

5.01 Material and Waste Handling
- Transfer, use, and store liquid materials only indoors or on paved areas.
- Designate central storage locations where materials are contained (i.e., curbing, secondary containment, etc.) and covered to prevent contact with storm water runoff and to reduce the risks of accidental spills.
- Segregate wastes to improve handling and promote recycling.

5.02 Dispensing Liquids
- Dispensing materials from upright drums equipped with hand pumps is preferred.
- Avoid dispensing from drums positioned horizontally in cradles.
- Always use secondary containment and self-closing spigots if dispensing from horizontally positioned drums.

5.03 Signage for Storage Locations
- Post signs at all storage locations in clearly visible locations noting the materials stored, emergency contacts, and spill cleanup procedures.

5.04 Containers and Container Labeling
- Store all materials sealed in their original containers or containers approved for that use.
- Clearly label all containers with contents to prevent co-mingling of materials, storage of incompatibles, and improper handling, and to promote proper material handling and storage.

► TARGETED ACTIVITIES:
- Fuel Storage
- Chemical Storage
- Equipment Storage
- Garbage Collection
- Painting and Stripping

► TARGETED POLLUTANTS:
- Fuels, Oils, Grease
- Solvents
- Soaps, Detergents
- Pesticides
- Battery Acid

► KEY APPROACHES:
- Conduct loading and unloading under cover, on storage areas and away from storm drains
- Store materials indoors or under cover
- Store empty drums, containers, tires on pallets
- Contain and absorb leaks/spills that occur during material transfer
- Provide berming or secondary containment
- Perform and document periodic inspections
- Clearly label all containers and storage areas
- Eliminate waste collection piles
- Maintain solid waste collection areas
Utilize required labeling procedures for storage of all hazardous wastes.

Identify and properly dispose of all unlabeled and unknown materials.

5.05 Used Battery Management

- Recycle used batteries no later than 30 days after removal to promote recycling of materials and reduction of waste.
- Store batteries on spill containment and under cover.

5.06 Used Oil Containers and Filters

- Drain and crush oil filters and containers before recycling or disposal.
- Store crushed waste in a leak-proof container.
- Contain drained items in sealed plastic bags prior to disposal.

5.07 Eliminate Bone yards

- Eliminate waste collection piles (bone yards), which tend to conceal and lead to mismanaged waste and materials.

5.08 Waste and Unusable Material Disposal

- Regularly inspect storage and work areas for unusable materials and waste that can be disposed.
- Schedule waste pickup as frequently as needed to minimize storage time and avoid overloaded containers.
- Ensure that all materials are properly characterized and disposed.

5.09 Garbage Collection (Dumpster) Area Maintenance

- Provide shelter and secondary containment for dumpsters, if possible.
- Use covered dumpsters and keep them closed and locked.
- Use only dumpsters with plugged drain holes to prevent discharge of leachate or fluids.
- Do not dispose of liquid wastes such as oils or hazardous materials into dumpsters and completely drain liquid waste containers prior to disposal of containers.
- Perform dumpster cleaning in designated areas that are bermed to contain washwater for subsequent disposal or discharge to the sanitary sewer.

5.10 Procedures for Servicing Potable Water Systems

- Do not perform flushing near or discharge to storm drains.
Preventative Maintenance

5.11 Outdoor Storage Area Requirements
- Outdoor storage areas should be covered, if possible.
- When selecting storage sites, avoid excessive slope, locations near storm drain inlets, and locations near public access areas.

Spill Prevention and Response

5.12 Preventing Pollutant Exposure During Material Transfer
- Position vehicles used for material transfer such that activities are protected from rainfall and that possible spills can be contained.
- Provide hand pumps, containment devices, and other transfer devices to facilitate material transfer.

5.13 Preventing Pollutant Exposure for Material or Waste Storage
- Move materials and waste indoors or store away from drains.
- All material stored outside, no matter how temporary, should be placed on secondary containment and under cover, if possible.
- Materials not stored under cover should be covered and exposed exterior surfaces should be clean.

Routine Facility Inspections

5.14 Material/Waste Transfer Area Inspections
- Avoid mobile fueling of equipment.
- Fuel equipment in designated areas, covered if possible.
- Inspect loading/unloading areas and material use areas for repair and patching.

5.15 Material and Waste Storage Area Inspection
- Periodically inspect storage areas:
  - Check containers for external corrosion and structural failure.
  - Check for spills and overfills due to operator failure.
  - Check for failure of piping system (pipes, pumps, flanges, couplings, hoses, and valves).
  - Check for leaks or spills during pumping of liquids or gases.
  - Visually inspect new containers for loose fittings, poor welds, and improper or poorly fitted gaskets.
EMPLOYEE / CONTRACTOR TRAINING

5.16 Waste Management Training

- Train employees on the proper disposal procedures for operations-derived wastes.

MANAGEMENT OF STORM WATER RUNOFF

5.17 Protect Storage Areas from Run-On and Runoff

- Protect all significant materials from rainfall, run-on, runoff, and wind dispersal.
- Options include:
  - Store material indoors or in a fully enclosed area.
  - Permanently cover an outdoor storage area with a roof, overhang, or awning.
  - Use temporary covering of polyethylene, polypropylene, or hypalon.
  - Use control measures such as berms and secondary containment.
  - Reduce the amount of material stored outdoors.

RECORD KEEPING AND REPORTING

5.18 Track Waste Generation

Characterize waste streams and maintain accurate information on waste streams using:

- Manifests,
- Bills of lading,
- Biennial reports,
- Permits,
- Environmental audits,
- NPDES discharge monitoring reports,
- SARA Title III reports,
- Emission reports,
- Data on chemical spills,
- Inventory reports,
- Emissions data, and
- Safety Data Sheets (SDSs).
**BMP 6.0**  
**Building and Grounds Maintenance**

**PURPOSE:**

Prevent or reduce the discharge of pollutants to storm water from building and grounds maintenance by washing and cleaning up with as little water as possible, preventing and cleaning up spills immediately, keeping debris from entering storm drains, and maintaining the storm water collection system.

**APPROACH TO EXISTING FACILITY ACTIVITIES:**

**GOOD HOUSEKEEPING**

6.01 Disposal of Landscaping and Grounds Maintenance Waste

- Properly dispose of landscape waste, washwater, sweepings, and sediments.

6.02 Cleaning Interior Floors and Exterior Ground Surfaces

- Maintain clean, dry floors and exterior surfaces by methods other than hosing and washing (i.e., using brooms, shovels, vacuum cleaners, etc.).
- Do not hose down work areas to the storm drainage system or use concrete cleaning products unless the storm drain inlet is blocked and wash water is collected and properly disposed of through a permitted sewer connection.
- Use seals or door skirts to prevent material exposure to rainfall.

**PREVENTATIVE MAINTENANCE**

6.03 Grounds/Landscaping Design Considerations

- Consider the following design characteristics for grounds/landscaping design:
  - Incorporate areas of landscape into project design. (Landscape areas are pervious and will result in less runoff discharge from a site.)
  - Incorporate design considerations such as leaving or planting native vegetation to reduce irrigation, fertilizer, and pesticide needs.
  - Select landscaping plants that require little maintenance and/or pest control.
  - Incorporate storm water detention/retention to reduce peak runoff flows and for water quality control.

6.04 Maintain Storm Water Control Devices and Outfalls

- Maintenance includes the following:
  - Regularly inspect and patch or repair storm water control devices (i.e., berms, etc.) to keep them in working order.
  - Place devices such as hay bales or filter fabric over storm drain culverts or at other areas to capture debris generated during construction and other activities.

**TARGETED ACTIVITIES:**

- Building Maintenance
- Grounds Maintenance

**TARGETED POLLUTANTS:**

- Fuels, Oils, Grease
- Pesticides, Herbicides, Fertilizers
- Sediment
- Landscape Waste

**KEY APPROACHES:**

- Keep paved surfaces cleaned and swept using dry method
- Use nature/low maintenance landscaping
- Install and maintain oil/water separators
- Maintain Structural BMPs
- Clean catch basins regularly
- Manage use of pesticides, herbicides, fertilizers
BMP 6.0
Building and Grounds Maintenance

6.05 Maintain Catch Basins
- Regularly clean any catch basins which receive runoff from a maintenance area, especially after larger storms.
- Install and maintain catch basin filter inserts that assist in the removal of oil and grease, sediments and floatables.

6.06 Fire Foam Testing System Design Considerations
- Design foam testing system with the following characteristics:
  - Located away from storm drain inlets, drainage facilities or water bodies. Discharge foam waste to a sanitary sewer (industrial wastewater permitting may be required). Foam waste shall not be discharged to storm drains or water bodies.
  - Paved with concrete or asphalt, or stabilized with an aggregate base.
  - Bermed to contain foam and to prevent run-on.
  - Configure discharge area with a sump to allow collection and disposal of foam.

6.07 Install Oil/Water Separators
- Either collect storm water in areas exposed to pollutants or install an appropriately-sized oil/water separator (regulatory agency approval maybe required).
- Oil/water separators are typically used in areas where the concentrations of petroleum hydrocarbons, floatables, or sediment maybe abnormally high and source control techniques are not very effective.
- There are two types of oil/water separators:
  - American Petroleum Institute (API) separator and Coalescing plate separator (CPS).
- Design, sizing, and placement of oil/water separators is dependent on several factors including: tributary area, type of activity, pollutant type and concentration, and water temperature. Separators should be selected, sized and designed by a qualified engineer.

6.08 Maintain Sumps and Oil/Water Separators
- Regularly clean and maintain sump and oil/water separators. Characterize and properly dispose of cleaning waste.
- Replace oil absorbent pads as needed and always prior to the rainy season(s).
- Keep effluent shutoff valve closed during cleaning operations. Follow maintenance schedule and procedures for these activities.

6.09 Label Storm Drains
- Label storm drain inlets that they are to receive no wastes.

6.10 Minimize Pesticide, Herbicide, and Fertilizer Use
- Minimize use of pesticides, herbicides, and fertilizers. Use according to directions. Utilize integrated pest management.

**Routine Facility Inspections**

6.11 Sump and oil/water separator inspection
- Regularly inspect sumps and oil/water separators to identify when preventative maintenance is needed.
BMP 6.0
Building and Grounds Maintenance

6.12 Inspect firefighting foam testing areas
   - Regularly inspect, clean, and maintain fire fighting foam testing facility and collection sumps.

**MANAGEMENT OF STORM WATER RUNOFF**

6.13 Erosion control
   - Provide landscaped areas where erosion is becoming a problem.

**NOTE:** See BMP 1.0 for measures generally applicable to Exposure Minimization, Spill Prevention and Response, Training, and Record keeping and Reporting.

**APPROACH TO FUTURE FACILITIES AND UPGRADES:**

**DESIGN OF NEW FACILITIES AND EXISTING FACILITY UPGRADES**

- Incorporate areas of landscape into project design. Landscape areas are pervious and will result in less runoff discharge from a site.
- Incorporate design considerations such as leaving or planting native vegetation to reduce irrigation, fertilizer, and pesticide needs.
- Select landscaping plants which require little maintenance and/or pest control.
- Incorporate storm water detention/retention to reduce peak runoff flows and for water quality control.
BMP 7.0
Structural Storm Water Controls

► PURPOSE:
Select, implement, and maintain structural storm water controls to manage the volume and/or quality of storm water leaving the property. Storm water volume controls should be installed to manage storm water volume by delaying, diverting, or reducing the amount of storm water runoff from the site. Storm water quality controls should be installed to prevent pollutants from contacting storm water or remove pollutants from storm water.

► EXISTING STORM WATER CONTROLS:

Preventative Maintenance

7.01 Routine Maintenance

• Perform regular cleaning of storm water control structures to ensure they are free and clear of debris and garbage.

• Remove accumulated sediment from control structures to prevent clogging of inlets and outlets. Accumulated sediment should be disposed of properly as pollutants are often attached to sediment particles.

• Clean storm drain covers and grates to remove accumulated debris. Check drain covers/grates for structural integrity.

• Replace adsorbent material within storm drain inserts, straw rolls, adsorbent booms, or other disposable media on a regular frequency to prevent accumulated storm water pollutants from being released.

• Maintain vegetation within drainage swales, ponds, and other structures.

Routine Facility Inspections

7.02 Inspections

• Perform inspections of storm water control structures on a quarterly basis at minimum and after precipitation events.

• Inspections should cover:
  o Overall condition of the structure
  o Accumulation of sediment, vegetation, debris, and garbage at structure inlets, outlets, and within drainage ways
  o Integrity of the structure including damaged concrete or riprap
  o Evaluate erosion at and surrounding the control structure

Spill Prevention and Response

7.03 Protect Structural Controls from Spills

• Develop spill response plans to protect storm drains, storm water conveyance structures, and other structural controls from coming into contact with storm water pollutants.

TARGETED ACTIVITIES:

• All activities

TARGETED POLLUTANTS:

• Sediment
• Nutrients
• Trash
• Metals
• Bacteria
• Oil and Grease
• Organics
• Oxygen Demanding

KEY APPROACHES:

• Perform routine maintenance and inspections of structural storm water controls
• Install new storm water controls to protect storm water quality from existing or new activities
BMP 7.0
Structural Storm Water Controls

- Provide secondary containment, curbing, berms, or other physical means of separating chemicals and other potential storm water pollutants from storm water drainage and collection devices.

**SELECTION OF NEW STORM WATER CONTROLS:**

**STORM WATER VOLUME CONTROLS**

7.04 Storm Water Volume Controls

- Determine volume of site storm water runoff or runon using the appropriate hydraulic analysis. Review potential storm water controls to ascertain whether the hydraulic conveyance threshold has been exceeded based on the quantitative results of the hydraulic analysis.

- Perform site assessment for the potential to incorporate low impact development strategies that will be effective in retaining storm water on site. Preference should be given to controls which retain storm water runoff and reduce the volume of storm water discharge to the downstream system.

- Select and evaluate the appropriate infiltration, harvest and use, or bioretention storm water controls:
  - Infiltration storm water controls: Infiltration trench, infiltration basin, bioretention basin with no underdrain, drywell, permeable pavement, and underground infiltration.
  - Harvest and use storm water controls: Cisterns and underground detention
  - Biotreatment storm water controls: Bioretention with underdrain, vegetated swale, vegetated filter strip, dry extended detention basin, wet detention basin, constructed wetland, and proprietary biotreatment.

- If possible use a treatment train of storm water controls to reduce uncertainty of effectiveness. Treatment train refers to the application of a series of storm water controls to improve effectiveness of the system.

- Install and locate storm water controls on site where most effective treatment is achieved.

**STORM WATER QUALITY CONTROLS**

- Select and evaluate the appropriate storm water control or combination of controls (treatment train) to improve storm water quality.

- Conduct a qualitative evaluation of site activities and potential pollutants generated on-site. In addition identify any pollutants causing impairment to receiving bodies of water that site storm water discharges to. Select storm water controls to minimize and reduce identified pollutants.

- Review removal efficiency of selected storm water control at one of the following URLs:
  - http://www.bmpdatabase.org/

- Install and locate storm water controls on site where most effective treatment is achieved.
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## Attendees List
SPWPPP Annual Training

Facility: _______________________________
Date: _______________________________
Trainer/Company: ______________________

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Training Overview

- MS4 Permit, MSGP 2015, and Regulatory Overview
- Stormwater Pollution Prevention
- Village of Corrales Responsibilities
- Your Responsibilities
- Overview of the Storm Water Pollution Prevention Plan
- Assessment
Regulatory Driver

• Clean Water Act (CWA) 1972
  • Established basic structure for regulating discharges of pollutants into waters of the United States and regulating quality standards for surface waters
  • Made it unlawful to discharge any pollutant from a point source into navigable waters unless a National Pollutant Discharge Elimination System (NPDES) permit has been obtained

• 1987 Water Quality Act (WQA)
  • Added Section 402(p) to CWA
    • NPDES permits required for discharges associated with industrial facilities and medium and large MS4s (Phase I, 1990) and small MS4s (Phase II, 1999)
Watershed-Based MS4 Permit

• Defines permit area and permittees
  • 18 potential permittees
• Requires development of a Storm Water Management Plan (SWMP)
• Authorizes discharges, including some non-stormwater discharges
• Defines reporting and monitoring requirements
• Includes deadlines for completing stormwater program components.
• Requires development or modification of existing Pollution Prevention and Good Housekeeping programs
2015 Multi-Sector General Permit (MSGP)

- Covers stormwater discharges associated with industrial activities
- New permit issued June 2015
- Requires certain industrial facilities (based on SIC/NAICS codes) to either develop Storm Water Pollution Prevention Plans and apply for coverage through NOI system or apply for Certificate of No Exposure
- SWPPP for Village of Corrales municipal facilities developed in spirit of MSGP15
What is Storm Water?

Stormwater runoff is generated from rain and snowmelt events. Runoff flows over land or other impervious surfaces and does not soak into the ground. It can pick up pollutants that can harm rivers, streams, and lakes.

Reference: EPA 841-F-03-003
Stormwater Drainage in the Middle Rio Grande Valley

For the 12 co-permittees of the Watershed-Based MS4 Permit, stormwater drainage ultimately enters the Rio Grande

Reference: keeptheriogrande.org
Why is Storm Water Quality Important?

In many cases, untreated stormwater is discharged directly to the Rio Grande.
Why is Storm Water Quality Important

Rio Grande is a Source of Drinking Water for Millions

Nationally, urban runoff is a significant source of impairment for rivers and lakes, impacting more than 30,000 miles of rivers (EPA 1996)
Stormwater Pollution Sources

- Oil and Fuel
- Herbicide, Pesticide, Fertilizer
- Garbage and Debris
- Landscaping Wastes
- Chemicals
- Wash Water
- Birds
- Pet Wastes
Common Municipal Sources

- Garbage and Debris
- Mop Water
- Kitchen Oil/Grease
- Pesticide, Herbicide, Fertilizer
- Oil Staining
- Paint/Building Materials
- Ice Melt/Salt
- Portable Sanitation

Other Sources in Village of Corrales
- Vehicle Washing
- Composting
- Pump Testing
- Firefighting Training
Village of Corrales Responsibilities

Six Minimum Measures
1. Public Outreach
2. Public Education
3. Good Housekeeping
4. Construction Stormwater Runoff Control
5. Post-Construction Stormwater Runoff Control
6. Illicit Discharge Detection and Elimination
Village of Corrales Planning and Zoning Responsibilities

- Meet all applicable requirements of the MS4 Permit
- Coordinate efforts with other permittees
- Act as a resource for all Village Departments
- Provide adequate training for all Village Departments
- Review and track SWPPP implementation
- Green Infrastructure/Low Impact Development
Village of Corrales Planning and Zoning Responsibilities

• Develop and provide training to developers/contractors
• Inspections of construction sites, Village facilities, industrial/high risk facilities
• Stormwater monitoring
Village of Corrales Municipal Facilities Responsibilities

• Identify a Stormwater Quality Coordinator
  • Conduct staff training sessions, maintain records in your SWPPP and submit records to the Village of Corrales Planning and Zoning Administrator
  • Promptly notify the Village of Corrales Planning and Zoning Administrator of changes in facility, operations, or contact information

• Implement your Storm Water Pollution Prevention Plan (SWPPP)
  • Ensures facilities meet Good Housekeeping minimum measures
  • Implement Good Housekeeping and Best Management Practices
  • Perform the required quarterly inspections

• Manage the required documentation (inspection forms, training records, modifications to the SWPPP)

• Correct and document deficiencies noted during routine inspections
SWPPPs and BMPs

**SWPPP**

- A Storm Water Pollution Prevention Plan (SWPPP) is a plan to minimize water quality impacts of runoff to receiving waters (Rio Grande)
- Evaluates potential pollution sources and establishes appropriate controls

**BMPs**

- Best Management Practices outline controls to minimize stormwater pollution from specific sources
- The SWPPP identifies BMPs that will be implemented at each site
Stormwater Pollution Prevention Plans

- Facility Inventory
- Facility Assessment
- Best Management Practices
  - BMP monitoring and tracking documentation
  - BMP implementation and maintenance documentation
- Spill response plans
  - Spill response procedures
  - Safety Data Sheets (SDS)
- Training Records
- Inspection, Incident, and Maintenance Records
Storm Water Pollution Prevention Plans

- Facility Map
  - Locations of storm drain inlets
  - Surface drainage patterns
  - Ponds and other drainage features
  - Location of chemicals or other material storage
Storm Water Pollution Prevention Plans

- Inventory of potential pollutants:
  - Sediment
  - Nutrients (nitrogen and phosphorous from fertilizers)
  - Bacteria (A listed impairment in the Rio Grande)
  - Oil and Grease (vehicles and equipment, restaurants, parking lots)
  - Metals (lead, zinc, cadmium, copper, nickel, chromium)
  - Organics (solvents, cleaners, sealants, paints)
  - Pesticides and herbicides
  - Gross Pollutants (trash, floatables, debris)
  - Oxygen Demanding Substances (food products, waste products, vegetative debris; A listed impairment in the Rio Grande)
Storm Water Pollution Prevention Plans

- Inventory of Activities
  - Vehicle and Equipment storage, maintenance, repair, cleaning, fueling
  - Material handling and storage
  - Street, sidewalk, parking lot drainage, maintenance, and cleaning
  - Litter collection, control, and disposal
  - Solid waste collection and recycling
  - Landscape and building maintenance
Storm Water Pollution Prevention Plans

• Assessment
  • What activities are performing that have the potential to cause stormwater pollution?
  • Which best management practices could reduce stormwater pollutant potential at your facility?

- Oily residue
- Inadequate secondary containment
- Open containers
- Spills/staining
- No labels
Best Management Practices

- BMP 1.0: Facility-Wide Best Management Practices
- BMP 2.0: Vehicle and Equipment Maintenance
- BMP 3.0: Vehicle and Equipment Cleaning
- BMP 4.0: Vehicle and Equipment Storage
- BMP 5.0: Outdoor Handling, Storage, and Disposal of Waste and Materials
- BMP 6.0: Building and Grounds Maintenance
- BMP 7.0: Structural Stormwater Controls
Best Management Practices

BMP 1.0: Facility Wide BMPs

• Purpose
  • Prevent or reduce the discharge of pollutants to stormwater from all industrial operations

• Targeted Activities
  • Activities not covered under BMP 2.0 - BMP 7.0

• Targeted Pollutants
  • Fuels, oil grease
  • Potable water system flushing fluids
  • Solvents
  • Soaps, detergents
  • Battery acid
  • Paint
Best Management Practices

**BMP 1.0: Facility Wide BMPs**

- **Key Approaches**
  - Keep outside areas maintained
  - Store materials and equipment inside to the extent practical
  - Conduct preventative maintenance
  - Train employees/contractors in storm water pollution prevention techniques; maintain documentation
  - Conduct regular inspections
  - Document storm water pollution prevention activities
  - Maintain and post Spill Response Plans; spill kits available
  - Maintain SDSs on site
Best Management Practices

BMP 1.0: Facility Wide BMPs

• Training
  • Today’s session
  • Annual training for all staff that handle potential stormwater pollutants or perform outdoor activities
  • Training records (agenda, sign in sheets, assessments) should be kept for 3 years

• Training Topics
  • What is the SWPPP and where is it?
  • Activities covered by the SWPPP
  • Spill/leak awareness
  • Spill response procedures
  • Hazardous material storage, containment, and disposal
  • Best Management Practices
  • Conducting facility inspections
  • Non-allowable discharges (i.e. wash waters)
Best Management Practices

BMP 1.0: Facility Wide BMPs

• Allowable Non-Storm Water Discharges
  • Potable water
  • Lawn, landscape, irrigation water
  • Foundation and footing drains
  • Air conditioner condensate
  • Dechlorinated swimming pool discharges
  • Street washing waters (no soaps)
  • Fire fighting discharges
Best Management Practices

**BMP 1.0: Facility Wide BMPs**

- Spills Happen!
  - Be prepared for cleanup
    - Spill kits
    - Spill response plans
    - Appropriate training
  - Contractors and Subcontractors can cause spills too
    - Ensure they have proper training and response materials
Best Management Practices

**BMP 1.0: Facility Wide BMPs**

- Spill Response Plans
  - What to do in the event of a spill
    - Small spill
    - Large spill
  - Emergency contact Information
  - Site Map

---

Spill Response:
- Ensure that all hazardous substances are properly labeled and all GHS are in a suitable and readily available area.
- Employ dispersion and save hazardous substances in a way that prevents release.
- Always place hazardous substances on secondary containment when storing outside and not under control.
- Minimize the use of housekeeping practices for all chemical materials at the facility.

Small spills can be contained by facility personnel if they are able to do so without risking safety and injury.

**Immediate action:**
- **Small Spills (<5 gallons):**
  - Isolate the area.
  - Stop and contain source of spill.
  - Clean up spill and prevent liquid or damage.
  - Properly characterize and dispose of cleanup materials.

- **Large Spills (>5 gallons):**
  - Isolate the area.
  - Contain source of spill.
  - Contact emergency responders/clean up contractors.
  - Turn off spill to prevent further damage.
  - Properly characterize and dispose of cleanup materials.

**Emergency Contact:**
- Emergency Contact: [Name]
- Contact person: [Name]
- Phone: [Phone Number]
- Additional Contact: [Name]
- Phone: [Phone Number]
Best Management Practices

**BMP 2.0: Vehicle and Equipment Maintenance**

- **Targeted Activities**
  - Vehicle Maintenance
  - Equipment Maintenance

- **Targeted Pollutants**
  - Fuel
  - Oil, Grease, Lubricants
  - Solvents, Soaps, Detergents
  - Battery Acid
  - Antifreeze
  - Paint
Best Management Practices

BMP 2.0: Vehicle and Equipment Maintenance

• Key Approaches
  • Conduct maintenance indoors or in a covered area
  • Conduct preventative maintenance
  • Store maintenance fluids, tires, batteries, etc. appropriately
  • Use drip pans with leaky equipment
  • Drain fluids if prolonged storage is anticipated (>30 days)
  • Collect and properly dispose of all fluids

Flammable materials should be stored in well labeled flammables cabinets
Best Management Practices

BMP 3.0: Vehicle and Equipment Cleaning

- **Targeted Activities**
  - Vehicle washing
  - Equipment washing
  - Equipment/parts degreasing

- **Targeted Pollutants**
  - Fuels
  - Oil, Grease, Lubricants
  - Solvents, Soaps, Detergents
  - Other vehicle fluids
Best Management Practices

BMP 3.0: Vehicle and Equipment Cleaning

• Key Approaches
  • Use approved wash facilities draining to sanitary sewer
  • Recycle wash water or discharge appropriately
  • Maintain oil/water separators
  • Use dry washing/wiping techniques
  • Provide training
  • Dispose of soiled rags/towels appropriately

Inappropriate equipment washing location.
Best Management Practices

**BMP 4.0: Vehicle and Equipment Storage**

- **Targeted Activities**
  - Vehicle, equipment, chemical, and tire storage

- **Targeted Pollutants**
  - Fuels, Oils, Grease, Lubricants
  - Solvents and Soaps
  - Sidewalk/street deicers
  - Herbicides, Pesticides, Fertilizers
  - Debris
  - Tire residue and battery acid
Best Management Practices

**BMP 4.0: Vehicle and Equipment Storage**

- **Key Approaches**
  - Store vehicles and equipment indoors or under cover
  - Repair leaks in an expeditious manner
  - Clean oil, grease or chemical residue off exterior surfaces prior to long term storage
  - Drain fluids before storage
  - Perform and document periodic inspections
  - Designate storage and material transfer areas away from storm drains
  
Nonfunctional equipment should be drained of fluids before storage.
Best Management Practices

BMP 5.0: Outdoor Handling, Storage, and Disposal of Waste and Materials

• Targeted Activities
  • Disposal of spent maintenance fluids
  • Garbage/recyclables collection
  • Grease collection

• Targeted Pollutants
  • Solid Waste
  • Fats, Oils, Grease
  • Solvents
  • Soaps and Detergents
  • Pesticides
  • Battery Acid
Best Management Practices

**BMP 5.0: Outdoor Handling, Storage, and Disposal of Waste and Materials**

- **Key Approaches**
  - Conduct loading and unloading under cover, on storage areas and away from storm drains
  - Store materials indoors or under cover
  - Store empty drums, containers, tires on pallets
  - Contain and absorb leaks/spills that occur during material transfer
  - Provide berming or secondary containment
  - Perform and document periodic inspections
  - Clearly label all containers and storage areas
  - Eliminate waste collection piles
  - Maintain solid waste collection areas
Best Management Practices

BMP 5.0: Outdoor Handling, Storage, and Disposal of Waste and Materials

- Good use of signage and secondary containment. Yes!
- Dumpster Plugs No
- Bone yards should be eliminated
Best Management Practices

BMP 6.0: Building and Grounds Maintenance

• Targeted Activities
  • Building and grounds maintenance
  • Building/Pavement wash down
  • Parking area maintenance
  • Graffiti removal
  • Sidewalk, plaza sweeping

• Targeted Pollutants
  • Pesticides, herbicides, fertilizers, sediment, landscape waste, oil and grease, urea/salt for pavement anti-icing

Contain and dispose of all landscaping wastes
Best Management Practices

BMP 6.0: Building and Grounds Maintenance

- Key Approaches
  - Pesticides, herbicides, and fertilizers
    - Limit use, pull weeds instead
    - Follow manufacturer’s instructions
  - Landscaping
    - Contain and dispose of all wastes
    - Keep paved surfaces cleaned and swept
    - Eliminate pavement wash down
  - Salt
    - Keep salt storage areas appropriately covered
    - Sweep up undissolved salt

Ice melt should be stored indoors.
Best Management Practices

BMP 6.0: Building and Grounds Maintenance

• Key Approaches
  • Buildings
    • Eliminate building wash down
    • Dispose of mop water/scrubber water into sanitary sewer
    • Service oil/water separators regularly
  • Parking Lots
    • Implement impervious parking areas or vegetative swales where practical
    • Clean parking lots (using dry methods) and storage areas regularly
    • Provide sufficient litter receptacles
    • Clean storm drain inlets regularly

Storm drains kept free of debris
Best Management Practices

**BMP 7.0: Stormwater Treatment Control**

- **Targeted Activities**
  - Construction and maintenance of storm water treatment and control structures
    - Detention/retention ponds
    - Storm drain inlets
    - Infiltration trench
    - Swales, ditches, buffer strips

- **Targeted Pollutants**
  - Sediment
  - Nutrients, organics
  - Trash, debris
  - Bacteria
  - Oils and grease
**Best Management Practices**

**BMP 7.0: Stormwater Treatment Control**

- **Key Approaches**
  - Inspect storm water inlets, swales, ponds regularly and after large storm events
  - Limit grass height, manage weeds
  - Remove trash, debris, sediment regularly
  - Minimize erosion with ground cover, rip rap, or concrete
  - Irrigation may be required to maintain ground cover
  - Minimize fertilizer/herbicide use
  - Unclog underdrain, outlets

Debris should be removed regularly
Best Management Practices

BMP 7.0: Stormwater Treatment Control

• Key Approaches
  • Low Impact Development in New Construction
    • Bioretention (swales, vegetated strips, open space, etc.)
  • Reduce paved surfaces
  • Permeable Pavement
  • Storm water cisterns for stormwater reuse
  • Curb cuts and drainage into vegetated areas

Examples of stormwater treatment control
Summary

• Assign a Storm Water Quality Coordinator
• Implement SWPPP & BMPs appropriate for the facility
• Conduct annual storm water pollution prevention training for employees and submit annual training records to Storm Water Management Section
• Develop and post Spill Response Plans with emergency contacts
• Have appropriate quantity of spill response materials on hand
• Conduct quarterly facility inspections
• Maintain required documentation (SWPPP, eNOI, training records, inspection forms) and submit copies to the Storm Water Management Section
# SWPPP Contact Information

## Village of Corrales Pollution Prevention Team

<table>
<thead>
<tr>
<th>Department</th>
<th>Facility Name</th>
<th>Contact</th>
<th>Responsibility</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village Administration</td>
<td>NA</td>
<td>Suanne Derr</td>
<td>PPT Leader (Primary Contact)</td>
<td>4324 Corrales Road</td>
<td>Corrales NM</td>
<td>87048</td>
<td>(505) 897-0502</td>
<td><a href="mailto:sderr@corrales-nm.org">sderr@corrales-nm.org</a></td>
<td></td>
</tr>
<tr>
<td>Police Department</td>
<td>Village Complex</td>
<td>Vic Mangeacapra</td>
<td>Primary Contact</td>
<td>4324 Corrales Road</td>
<td>Corrales NM</td>
<td>87048</td>
<td>(505) 897-1277</td>
<td><a href="mailto:vmangeacapra@corrales-nm.org">vmangeacapra@corrales-nm.org</a></td>
<td></td>
</tr>
<tr>
<td>Parks and Recreation</td>
<td>Recreation/Park Complex</td>
<td>Lynn Siverts</td>
<td>Primary Contact</td>
<td>500 Jones Road</td>
<td>Corrales NM</td>
<td>87048</td>
<td>(505) 702-4170</td>
<td><a href="mailto:lsiverts@corrales-nm.org">lsiverts@corrales-nm.org</a></td>
<td></td>
</tr>
<tr>
<td>Public Works</td>
<td>Public Works Yard</td>
<td>Lynn Siverts</td>
<td>Primary Contact</td>
<td>500 Jones Road</td>
<td>Corrales NM</td>
<td>87048</td>
<td>(505) 702-4170</td>
<td><a href="mailto:lsiverts@corrales-nm.org">lsiverts@corrales-nm.org</a></td>
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<tr>
<td>Fire Department</td>
<td>Main Fire Station</td>
<td>Anthony Martinez</td>
<td>Primary Contact</td>
<td>4920 Corrales Road</td>
<td>Corrales NM</td>
<td>87048</td>
<td>(505) 934-3690</td>
<td><a href="mailto:amartinez@corrales-nm.org">amartinez@corrales-nm.org</a></td>
<td></td>
</tr>
<tr>
<td>Fire Department</td>
<td>Main Fire Station</td>
<td>Tanya Lattin</td>
<td>Secondary Contact</td>
<td>4920 Corrales Road</td>
<td>Corrales NM</td>
<td>87048</td>
<td>(505) 934-7501</td>
<td><a href="mailto:tlattin@corrales-nm.org">tlattin@corrales-nm.org</a></td>
<td></td>
</tr>
<tr>
<td>Fire Department</td>
<td>Fire Substation #1</td>
<td>Anthony Martinez</td>
<td>Primary Contact</td>
<td>100 Paseo Tomas Montoya</td>
<td>Corrales NM</td>
<td>87048</td>
<td>(505) 934-3690</td>
<td><a href="mailto:amartinez@corrales-nm.org">amartinez@corrales-nm.org</a></td>
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<td><a href="mailto:tlattin@corrales-nm.org">tlattin@corrales-nm.org</a></td>
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</tbody>
</table>

**Weston**

Kathryn Hayden, E.I.
(505) 837-6525,
Kathryn.Hayden@WestonSolutions.com

Brad Sumrall, P.E.
(505) 837-6520,
Brad.Sumrall@WestonSolutions.com
We will now review a 10 question training assessment

The assessment was developed to gain an understanding of the effectiveness of this training
_________ results when rain or snow melt accumulates on the ground surface faster than it can infiltrate, coalescing in drainage features (ditches, drains, or arroyos) and flowing to a receiving water without treatment.

a) Flooding  
b) Infiltration  
c) Stormwater  
d) All of the above
Sources of storm water pollution include:

a) Used oil
b) Wash water
c) Herbicides
d) All of the above
Training Assessment – Question 3

The following component is not required to be included in your facility SWPPP:

a) Inventory of potential storm water pollutants
b) Facility drainage map

c) **SDS sheets**

d) Employee training records
e) Best Management Practices
At a minimum, stormwater inspections should be conducted at your facility _______.

a) Monthly
b) Quarterly
c) Bi-Annually
d) During every rain event
e) All of the above
Best Management Practices are developed for the following purposes:

a) To meet the requirement of the MS4 permit
b) To assist in minimizing storm water pollution by implementing both physical and non-physical controls
c) Prevent storm water from reaching navigable waters
d) Encourage each department to perform training
Training Assessment – Question 6

Under the MS4 Permit, the City is required to ensure good housekeeping at City facilities by:

a) Employee training
b) Routine inspections
c) Development and implementation of a SWPPP
d) All of the above
Training Assessment – Question 7

The best storage of an outdoor 55-gallon oil drum includes:

a) Cover and secondary containment
b) Cover only
c) Secondary containment only
d) Cover and wood pallet
You should dispose washwater from vehicle washing, equipment washing, and mop water into:

a) Sanitary sewer drain
b) Oil/water separator with sewer connection
c) Allow to dry on paved surface
d) Storm drain
e) a or b
At your facility, the following documentation should be available for review:

a) SWPPP/BMPs
b) Training records
c) Spill Response Plan
d) All of the above
What is the preferred location of Spill Kits:

a) At least somewhere on your property
b) Outside
c) In a centralized location
d) Where spills are most likely to occur
Questions?
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APPENDIX H

DOCUMENTATION OF MAINTENANCE TO CONTROL MEASURES
<table>
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<tr>
<th>Date</th>
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APPENDIX I

DOCUMENTATION OF CORRECTIVE ACTION TAKEN
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APPENDIX J

ANALYTICAL DATA AND SAMPLE INSPECTION FORMS

Blank Templates Included for the Following:
Quarterly Routine Facility Inspections
Quarterly Visual Inspections
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# Village of Corrales
## Quarterly Good Housekeeping Inspection Form

### FACILITY INFORMATION

<table>
<thead>
<tr>
<th>VILLAGE FACILITY NAME:</th>
<th>FACILITY TYPE:</th>
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<tbody>
<tr>
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</table>

| ADDRESS:               |            |
|                        | FACILITY CONTACT: |
| CITY:                  | STATE:     |
| ZIP:                   | PHONE:     |
| CONTACT PERSON(S) AND TITLE(S): | EMAIL: |

<table>
<thead>
<tr>
<th>PHONE:</th>
<th>EMAIL:</th>
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### AUDITOR INFORMATION

<table>
<thead>
<tr>
<th>LEAD AUDITOR:</th>
<th>SITE VISIT DATE:</th>
<th>SITE VISIT TIME:</th>
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| AUDITOR: |                  |                  |

### FACILITY ACTIVITIES

#### STORED ONSITE CHEMICALS

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<th>Activity</th>
<th>Yes</th>
<th>No</th>
<th>Subcontract to:</th>
<th>Material</th>
<th>Quantity</th>
<th>Container</th>
<th>Stormwater Exposure?</th>
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#### Maintenance
- Equipment Maintenance
- Vehicle Maintenance
- Other Maintenance

#### Painting
- Vehicle Painting/Stripping
- Equipment Painting/Stripping
- Other Painting/Stripping

#### Cleaning
- Vehicle Washing
- Equipment Degreasing/Washing
- Other Washing

#### Storage
- Vehicle Storage
- Equipment Storage
- Oil & Haz Chemical Storage
- Salt/Sidewalk Deicers

#### Handling & Disposal of Waste & Materials
- Haz-Mat/Waste Generation
- Solid Waste Generation
- Pet/Animal Waste

#### Fuel Storage and Delivery
- Vehicle Fueling
- Equipment Fueling
- Fuel Storage
- Tanks (UST/AST)

#### Building and Grounds Maintenance
- Floor Wash Down
- Landscape Maintenance
- Pest/Weed Control
- Sidewalk/Pavement Anti-icing

### List Changes Since Last Inspection
## Village of Corrales
### Quarterly Good Housekeeping Inspection Form

### DOCUMENTATION

<table>
<thead>
<tr>
<th>Facility Inspections and Maintenance Documentation</th>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
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<tr>
<td>Maintains current copy of SWPPP &amp; BMPs</td>
<td>1.23</td>
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<tr>
<td>Facility Map Available</td>
<td>1.23</td>
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<tr>
<td>Response received to previous year’s Compliance Letter (999)</td>
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<tr>
<td>Activities inspected for non-stormwater discharges</td>
<td>1.15</td>
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<tr>
<td>Routine Facility Inspections Performed</td>
<td>1.16</td>
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<tr>
<td>Retain waste generation and disposal documentation</td>
<td>5.18</td>
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### Training

| Herb/Pesticide Application Certification/Training | 1.19|    |     |
| Stormwater training for all applicable employees | 1.20|    |     |
| SWPPP Education for Construction and Operational Contractors | 1.21|    |     |
| Waste management training                        | 5.16|    |     |

**REQUIRED ACTION(S):** NONE

### GENERAL Housekeeping

| Exposed areas clean and orderly | 1.01|    |     |
| Oil, grease, solvents, batteries, etc. recycled | 1.02|    |     |
| Biodegradable or less hazardous products used where possible? (i.e. citrus based products) | 1.03|    |     |
| Material inventory limited | 1.04|    |     |
| Signs posted near outdoor hose bibs listing use restrictions | 1.05|    |     |
| If not, is use of the hose otherwise restricted? | 1.12|    |     |
| Building condensation observed | 1.06|    |     |
| Irrigation runoff observed | 1.07|    |     |

**REQUIRED ACTION(S):** NONE

### SPILL PREVENTION

| Spill Response Plan posted & current | 1.08|    |     |
| Spill kits located where spills are probable to occur | 1.09|    |     |
| Spill kits stocked with appropriate materials | 1.10|    |     |
| Spill(s) or staining observed | 1.11|    |     |
| Drip pans/ spill mats/ booms used | 1.12|    |     |
| Spill History | 1.13|    |     |
| Evidence of illicit discharges and improper disposal | 1.14|    |     |
| Collected spill materials properly disposed | 1.15|    |     |

**REQUIRED ACTION(S):** NONE

### NOTES OR COMMENTS:

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Rev. 10/2017
I:\Village of Corrales\2017 MS4 Permit Support\18.0 REVIEW DOCUMENTS\Appendices\Good Housekeeping Inspection Form 2 of 4
## SOLID WASTE

<table>
<thead>
<tr>
<th>Description</th>
<th>Yes</th>
<th>No</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Performed indoors or under storm resistant cover when practical</td>
<td></td>
<td></td>
<td>1.06, 2.05</td>
</tr>
<tr>
<td>Exposure of maintenance areas to run-on &amp; run-off minimized</td>
<td></td>
<td></td>
<td>1.14</td>
</tr>
<tr>
<td>Parts cleaning &amp; degreasing performed indoors or under cover</td>
<td></td>
<td></td>
<td>2.01</td>
</tr>
<tr>
<td>Maintenance activities performed away from storm drains or drains covered</td>
<td></td>
<td></td>
<td>2.06</td>
</tr>
<tr>
<td>Designated areas for temporary tanker/materials truck parking</td>
<td></td>
<td></td>
<td>4.02</td>
</tr>
<tr>
<td>Used batteries properly stored or recycled in 30 days</td>
<td></td>
<td></td>
<td>5.05</td>
</tr>
<tr>
<td>Used oil containers and filters properly recycled</td>
<td></td>
<td></td>
<td>5.06</td>
</tr>
<tr>
<td>Accidental releases blocked from reaching storm drains</td>
<td></td>
<td></td>
<td>5.14</td>
</tr>
<tr>
<td>Equipment fueled in designated areas</td>
<td></td>
<td></td>
<td>5.14</td>
</tr>
<tr>
<td>Does the tenant perform sidewalk deicing</td>
<td></td>
<td></td>
<td>6.02</td>
</tr>
<tr>
<td>Does the tenant perform roadway deicing</td>
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## HAZARDOUS WASTE and MATERIAL STORAGE AREAS

<table>
<thead>
<tr>
<th>Description</th>
<th>Yes</th>
<th>No</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Materials stored indoors and away from exit doors or under storm-resistant cover when practical</td>
<td></td>
<td></td>
<td>1.06, 5.01</td>
</tr>
<tr>
<td>Secondary containment adequately sized</td>
<td></td>
<td></td>
<td>5.01</td>
</tr>
<tr>
<td>Contained by berms, secondary containment, etc.</td>
<td></td>
<td></td>
<td>5.01, 5.15</td>
</tr>
<tr>
<td>Liquids dispensed from upright drums w/ hand pumps</td>
<td></td>
<td></td>
<td>5.02, 5.14</td>
</tr>
<tr>
<td>Signage posted indicating materials being stored</td>
<td></td>
<td></td>
<td>5.03</td>
</tr>
<tr>
<td>Containers clearly labeled and appropriate</td>
<td></td>
<td></td>
<td>5.04</td>
</tr>
<tr>
<td>Bone yard(s) present</td>
<td></td>
<td></td>
<td>5.07</td>
</tr>
<tr>
<td>Outdoor materials stored and handled in paved areas</td>
<td></td>
<td></td>
<td>5.11</td>
</tr>
<tr>
<td>Kitchen/food wastes generated</td>
<td></td>
<td></td>
<td>5.08</td>
</tr>
<tr>
<td>Waste removed on a regular basis</td>
<td></td>
<td></td>
<td>5.18</td>
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<tr>
<td>Animal waste generated</td>
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<td>5.08</td>
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<tr>
<td>Salt storage areas are protected from stormwater?</td>
<td></td>
<td></td>
<td>5.01</td>
</tr>
<tr>
<td>Tracks annual volume of salt used?</td>
<td></td>
<td></td>
<td>1.05</td>
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## VEHICLE AND EQUIPMENT CLEANING

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<tr>
<th>Wash the following? (3.0)</th>
<th>Yes</th>
<th>No</th>
<th>Sub:</th>
<th>Dry-Wash</th>
<th>WET-WASH</th>
<th>Other / Comment</th>
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<tr>
<td></td>
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<td>Outside</td>
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<tr>
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<td>Non-Permitted Area</td>
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</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>Inside</td>
<td>Outside</td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>Permitted Area</td>
<td>Non-Permitted Area</td>
<td></td>
</tr>
<tr>
<td>Vehiches</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Equipment</td>
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</tr>
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</tr>
<tr>
<td></td>
<td>YES</td>
<td>NO</td>
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</table>

## VEHICLE AND EQUIPMENT STORAGE

<table>
<thead>
<tr>
<th>Store the following? (4.0)</th>
<th>Yes</th>
<th>No</th>
<th>Sub:</th>
<th>Inside</th>
<th>Outside</th>
<th>Away from Drains</th>
<th>Other / Comment</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Under Cover</td>
<td>Away from Drains</td>
<td></td>
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<td></td>
<td></td>
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<td></td>
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<tr>
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<tr>
<td>Equipment</td>
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<td></td>
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<td>Storage areas maintained</td>
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<td></td>
</tr>
<tr>
<td></td>
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<td>NO</td>
<td></td>
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</table>

## COMMENTS

\[COMMENTS\]
# Village of Corrales
## Quarterly Good Housekeeping Inspection Form

### SOLID WASTE
- **Waste and unusable material disposed of properly**
  - Yes No Comments
  - 5.08
- **Garbage collection area properly maintained**
  - 5.09
- **Dumpster drains equipped with plugs**
  - 5.09
- **Dumpster lids closed**
  - 5.09

### REQUIRED ACTION(S):
- [ ] NONE

### BUILDING & GROUNDS MAINTENANCE
- **Building Maintenance**
  - [ ] Yes No Comments
  - Building maintenance waste disposed of properly
    - 6.01
  - Fire fighting foam deluge system tested and maintained, if applicable
    - 6.06, 6.12
  - Interior floor cleaning water maintenance
    - 6.02
- **Grounds Maintenance**
  - [ ] Yes No Comments
  - Landscaping waste properly disposed
    - 6.01
  - Exterior ground surfaces cleaned properly
    - 6.02
  - Outdoor oil/water separator maintenance
    - 6.08, 6.11
  - Use of pesticide, herbicide and fertilizer minimized
    - 6.10
  - Records for pesticide/herbicide use?
    - 6.10
  - Landscaping provided for erosion control
    - 6.13
- **Storm Drains**
  - [ ] Yes No Comments
  - Catch basins clean and maintained
    - 6.05
  - Stormwater control devices maintained (e.g., hay bales, basins)
    - 6.04
  - Storm drains clean and free of debris
    - 6.04, 7.01
  - Storm drains labeled "no dumping, drains to river"
    - 6.09

### REQUIRED ACTION(S):
- [ ] NONE

### INSPECTION SUMMARY
- **Major Non-Compliances**
  - [ ] YES [ ] NO Comments
  - BMP(s)
  - [ ] YES [ ] NO Comments
  - BMP(s)
  - [ ] YES [ ] NO Comments
  - BMP(s)

### Minor Non-Compliances
- [ ] YES [ ] NO Comments
- [ ] YES [ ] NO Comments
- [ ] YES [ ] NO Comments

### Notable Practice
- [ ] YES [ ] NO Comments
- [ ] YES [ ] NO Comments
- [ ] YES [ ] NO Comments

### INSPECTOR SIGNATURE
- Name: [Signature: ]
- Time Complete: 
- Contacts Initials: 

---

*Rev. 10/2017*

I:\Village of Corrales\2017 MS4 Permit Support\18.0 REVIEW DOCUMENTS\Appendices\Good Housekeeping Inspection Form
### Quarterly Visual Monitoring of Storm Water Outfall Discharges

**Outfall ID:**
- VC1
- VC2

<table>
<thead>
<tr>
<th>Flow Observed</th>
<th>VC1</th>
<th>VC2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Flow Estimate (include units and method of estimation):**

**Other Observations:**

**Note any Monitoring Site Deficiencies:**

**Color (Describe):**
- Clear
- Slightly Cloudy
- Very Cloudy
- Opaque

**Turbidity:**
- Clear
- Slightly Cloudy
- Very Cloudy
- Opaque

**Floating Solids:**
- Yes
- No

**Suspended Solids:**
- Yes
- No

**Settled Solids:**
- Yes
- No

**Sheen Present:**
- Yes
- No

**Odor:**
- Yes
- No

**Foam Present:**
- Yes
- No

**Describe:**

**Additional Comments:**

---

**Date:** 
**Weather:**

**Time:** 
**Storm Precip:**

**Inspector:** 
**Last 72 Hour Precip:**

**Signature:** 
**Photo:**
Village of Corrales
Public Works Yard

Quarterly Visual Monitoring of
Storm Water Outfall Discharges

☐ Q1  ☐ Q2  ☐ Q3  ☐ Q4

Date: ___________________________  Weather: ___________________________
Time: ___________________________
Inspector: _______________________
Signature: _______________________  Storm Precip: _______________________
Last 72 Hour Precip: ______________
Photo: ________________

Outfall ID: _______ PWY1

Flow Observed:
☐ Yes ☐ No

Flow Estimate (include units and method of estimation):

Other Observations:

Note any Monitoring Site Deficiencies:

Color (Describe):

Turbidity:
☐ Clear  ☐ Slightly Cloudy  ☐ Very Cloudy  ☐ Opaque

Floating Solids:
☐ Yes ☐ No

Suspended Solids:
☐ Yes ☐ No

Settled Solids:
☐ Yes ☐ No

Sheen Present:
☐ Yes ☐ No

Odor:
☐ Yes ☐ No

Foam Present:
☐ Yes ☐ No

Describe:

Additional Comments: ____________________________________________________________

________________________________________________________

________________________________________________________
Village of Corrales
Recreation/Park Complex

Quarterly Visual Monitoring of
Storm Water Outfall Discharges

Date: ____________________________
Time: ____________________________
Weather: __________________________

Inspector: _________________________
Signature: _________________________

Storm Precip: _____________________
Last 72 Hour Precip: ________________
Photo: _____________________________

Outfall ID: RPC1 | RCP2

Flow Observed:

- Yes
- No

Flow Estimate (include units and method of estimation):

Other Observations:

Note any Monitoring Site Deficiencies:

Color (Describe):

- Clear
- Slightly Cloudy
- Very Cloudy
- Opaque

Turbidity:

- Clear
- Slightly Cloudy
- Very Cloudy
- Opaque

Floating Solids:

- Yes
- No

Suspended Solids:

- Yes
- No

Settled Solids:

- Yes
- No

Sheen Present:

- Yes
- No

Odor:

- Yes
- No

Foam Present:

- Yes
- No

Describe:

Additional Comments:

__________________________________________________________________________

__________________________________________________________________________
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Village of Corrales
Main Fire Station

Quarterly Visual Monitoring of Storm Water Outfall Discharges

Date: ____________________

Time: ____________________

Inspector: ____________________

Signature: ____________________

Weather: ____________________

Storm Precip: ____________________

Last 72 Hour Precip: ____________________

Photo: ____________________

Outfall ID:

<table>
<thead>
<tr>
<th>Flow Observed</th>
<th>MF11</th>
<th>MF2</th>
<th>MF3</th>
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</thead>
<tbody>
<tr>
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Flow Estimate (include units and method of estimation):

Other Observations:

Note any Monitoring Site Deficiencies:

Color (Describe):

Turbidity:

- Clear
- Slightly Cloudy
- Very Cloudy
- Opaque

Floating Solids:

- Yes
- No

Suspended Solids:

- Yes
- No

Settled Solids:

- Yes
- No

Sheen Present:

- Yes
- No

Odor:

- Yes
- No

Foam Present:

- Yes
- No

Describe:

Additional Comments:

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________
### Village of Corrales
#### Fire Substation #1

Quarterly Visual Monitoring of Storm Water Outfall Discharges

- **Date:**
- **Time:**
- **Inspector:**
- **Signature:**

#### Weather:
- **Storm Precip:**
- **Last 72 Hour Precip:**
- **Photo:**

#### Outfall ID:
- **RPC1**
- **RCP2**

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<tr>
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**Other Observations:**

Note any Monitoring Site Deficiencies:

**Color (Describe):**

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<th>RPC1</th>
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<tr>
<td>Very Cloudy</td>
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<tr>
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<td></td>
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</tr>
<tr>
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<tbody>
<tr>
<td>Yes</td>
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Describe:

#### Additional Comments:

______________________________________________________________

______________________________________________________________

______________________________________________________________
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