

**Oakdale Municipal  
Airport**



***STORM WATER POLLUTION  
PREVENTION &  
MONITORING PLAN  
2025-2026 MONITORING  
YEAR***



**8191 Laughlin Rd  
Oakdale, CA 95361  
(209) 845-3600**

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# ***STORM WATER POLLUTION PREVENTION PLAN***

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# Storm Water Pollution Prevention Plan

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Vicinity Topographic Map (Nearby water bodies within a quarter mile)

## Figure 2

Site Map: Storm Water Flow, Outfall, and Facility Industrial Activities

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Appendix B: Analytical Information

Appendix C: Corrective Action Record

Appendix D: Facility Inspections

Appendix E: Storm Water Monitoring Data Forms

- Checklist
- Form 1 - Sampling Event Visual Observation
- Form 2 - Monthly Visual Observations
- Form 3 – Annual Comprehensive Facility Compliance Evaluation (Annual Evaluation)

Appendix F: Sampling Procedures

Appendix G: Chain of Custody

Appendix H: Spill Response Procedures

# Oakdale Municipal Airport Oakdale, CA

## SWPPP REVISIONS

| Revision No. | Date       | Revised By                                 | Reason for Revision                                                                                                               | Sections Revised                                                                                                                                                             |
|--------------|------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0            | June 2015  | John Teravskis<br>WGR Southwest, Inc.      | Revised entire plan to meet the new IGP requirements                                                                              | All sections were revised                                                                                                                                                    |
| 1            | 10/12/2016 | Aaron Ortiz<br>WGR Southwest, Inc.         | Annual Evaluation and industrial activities update revisions                                                                      | Pg. iii, xi-xiv, Section 2.0, Table 2.0 3.1, 5.0, 6.1.1, Table 6.1.1, Table 6.1.2, 7.1.B, 7.1.1, 7.1.2, 8.1.1, 8.1.2, 8.1.3, 8.1.4, 8.2.2, 8.3, Figure 2, Figure G, Figure H |
| 2            | 07/26/2017 | Rebekah Teravskis<br>WGR Southwest, Inc.   | Annual Evaluation update and formatting                                                                                           | v, vii, all formatting                                                                                                                                                       |
| 4            | 10/13/2017 | Aaron Ortiz<br>WGR Southwest, Inc.         | Level 1 revisions.                                                                                                                | v, xi, 2.0, 6.1.1, 7.1, 7.1.A, 7.1.B, 8.2.2, 8.2.3, 8.2.4, 8.3, Figure 2, Appendix B, Appendix G                                                                             |
| 5            | 10/04/2018 | Aaron Ortiz<br>WGR Southwest, Inc.         | Annual Evaluation update, General formatting, personnel updates, sampling parameter list revision                                 | pg. TOC, v, vii, ix, Section Table 3.1, 7.1, Table 7.1.B, App. B, App G                                                                                                      |
| 6            | 08/25/2019 | Bob Buckley<br>WGR Southwest, Inc.         | Annual Evaluation update                                                                                                          | TOC, Review Pg., Plan Checklist, 2.0, 8.2.4, 12.2.2, 12.3.2, Site Map                                                                                                        |
| 7            | 09/03/2021 | Aaron Ortiz<br>WGR Southwest, Inc.         | Annual Evaluation update, General formatting, applied IGP amendments language, revised site map, added spill response procedures. | TOC, pg. v, vii, xi-xiii, Section 2.0, Section 7.0 (all), Section 13.0 (all), Figure 2, Appendix H                                                                           |
| 8            | 08/20/2022 | Danny Aspiras<br>WGR Southwest, Inc.       | Annual Evaluation Updates                                                                                                         | Section 1.0, 2.0, 12.0                                                                                                                                                       |
| 9            | 08/14/2024 | Gabriella Teravskis<br>WGR Southwest, Inc. | SWPPP Updates, general formatting, IGP amendments to language, personnel updates.                                                 | Page v, vii, ix, xi-xiii; Section 2.0, 3.0                                                                                                                                   |

| Revision No. | Date       | Revised By                         | Reason for Revision                                                                                                                | Sections Revised                                                                                    |
|--------------|------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 10           | 05/09/2025 | Aaron Ortiz<br>WGR Southwest, Inc. | Annual Evaluation update, personnel updates, add additional applied refined drainage maps and text language, and revised site map. | Cover page, TOC, vi, vii, xi-xiii, Section 1.0, Section Figure 2.0, Table 3.1, Figure 2, Appendix G |

**Oakdale Municipal Airport  
Oakdale, CA**

**SWPPP ANNUAL REVIEW**

| <b>Date</b> | <b>Name of Reviewer</b>              | <b>Signature</b>                                                                     |
|-------------|--------------------------------------|--------------------------------------------------------------------------------------|
| 4/05/2017   | Aaron Ortiz<br>WGR Southwest, Inc.   |    |
| 7/11/2018   | Aaron Ortiz<br>WGR Southwest, Inc.   |    |
| 6/14/2019   | Aaron Ortiz<br>WGR Southwest, Inc.   |    |
| 06/16/2020  | Danny Aspiras<br>WGR Southwest, Inc. |   |
| 3/19/2021   | Aaron Ortiz<br>WGR Southwest, Inc.   |   |
| 06/28/2022  | Aaron Ortiz<br>WGR Southwest, Inc.   |  |
| 06/09/2023  | Aaron Ortiz<br>WGR Southwest, Inc.   |  |
| 05/06/2025  | Aaron Ortiz<br>WGR Southwest, Inc.   |  |
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Oakdale, CA 95361  
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2. Consultant Copy  
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# Storm Water Pollution Prevention Plan Checklist

FACILITY NAME: Oakdale Municipal Airport

WDID# 5S501005019

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**Zip** 95240

| SWPPP                     | General Permit Section | Not Applicable | SWPPP Page # or Reference Location | Date Reviewed, Implemented or Last Revised |
|---------------------------|------------------------|----------------|------------------------------------|--------------------------------------------|
| Signed Certification      | (II.A)                 |                | Section 13.0                       | 05/06/2025                                 |
| Pollution Prevention Team | (X.D.1)                |                | Section 3.1                        | 05/06/2025                                 |
| Existing Facility Plans   | (X.D.2)                |                | Section 3.2                        | 05/06/2025                                 |

## Site Map(s) (Section X.E)

|                                           |           |   |             |            |
|-------------------------------------------|-----------|---|-------------|------------|
| Facility boundaries                       | (X.E.3.a) |   | Section 4.0 | 05/06/2025 |
| Drainage areas                            | (X.E.3.a) |   | Section 4.0 | 05/06/2025 |
| Direction of flow                         | (X.E.3.a) |   | Section 4.0 | 05/06/2025 |
| On-facility water bodies                  | (X.E.3.a) | X |             |            |
| Areas of soil erosion                     | (X.E.3.a) |   | Section 6.0 | 05/06/2025 |
| Nearby water bodies                       | (X.E.3.a) |   | Section 4.0 | 05/06/2025 |
| Municipal storm drain inlets              | (X.E.3.a) |   | Section 4.0 | 05/06/2025 |
| Points of discharge                       | (X.E.3.b) |   | Section 4.0 | 05/06/2025 |
| Sampling locations                        | (X.E.3.b) |   | Section 4.0 | 05/06/2025 |
| Structural control measures               | (X.E.3.c) |   | Section 4.0 | 05/06/2025 |
| Impervious areas                          | (X.E.3.d) |   | Section 4.0 | 05/06/2025 |
| Location of directly exposed materials    | (X.E.3.e) |   | Section 4.0 | 05/06/2025 |
| Locations of significant spills and leaks | (X.E.3.e) |   | Section 4.0 | 05/06/2025 |
| Areas of Industrial Activity              | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Storage areas / Storage tanks             | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Shipping and receiving areas              | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Fueling areas                             | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Vehicle and equipment storage/maintenance | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Material handling/processing              | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Waste treatment/disposal                  | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Dust or Particulate generation            | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Cleaning and Material reuse               | (X.E.3.f) |   | Section 4.0 | 05/06/2025 |
| Other areas of industrial activities      | (X.E.3.f) | X |             |            |

## List of Industrial Materials (Section X.F)

|                                        |  |             |            |
|----------------------------------------|--|-------------|------------|
| <b>Storage location</b>                |  | Section 5.0 | 05/06/2025 |
| Quantity                               |  | Section 5.0 | 05/06/2025 |
| Frequency                              |  | Section 5.0 | 05/06/2025 |
| <b>Receiving and shipping location</b> |  | Section 5.0 | 05/06/2025 |
| Quantity                               |  | Section 5.0 | 05/06/2025 |
| Frequency                              |  | Section 5.0 | 05/06/2025 |
| <b>Handling location</b>               |  | Section 5.0 | 05/06/2025 |
| Quantity                               |  | Section 5.0 | 05/06/2025 |
| Frequency                              |  | Section 5.0 | 05/06/2025 |

| SWPPP | General Permit Section | Not<br>Applicable | SWPPP Page # or<br>Reference Location | Date Reviewed,<br>Implemented<br>or Last Revised |
|-------|------------------------|-------------------|---------------------------------------|--------------------------------------------------|
|-------|------------------------|-------------------|---------------------------------------|--------------------------------------------------|

## Potential Pollution Sources (Section X.G)

### Description of Potential Pollution Sources (Section X.G.1)

|                                            |           |  |               |            |
|--------------------------------------------|-----------|--|---------------|------------|
| Industrial processes                       | (X.G.1.a) |  | Section 6.1.1 | 05/06/2025 |
| Material handling and storage areas        | (X.G.1.b) |  | Section 6.1.2 | 05/06/2025 |
| Dust and particulate generating activities | (X.G.1.c) |  | Section 6.1.3 | 05/06/2025 |
| Significant spills and leaks               | (X.G.1.d) |  | Section 6.1.4 | 05/06/2025 |
| Non-storm water discharges                 | (X.G.1.e) |  | Section 6.1.5 | 05/06/2025 |
| Erodible Surfaces                          | (X.G.1.f) |  | Section 6.1.6 | 05/06/2025 |

### Assessment of Potential Pollutant Sources (Section X.G.2)

|                                                                             |           |   |               |            |
|-----------------------------------------------------------------------------|-----------|---|---------------|------------|
| Narrative assessment of likely sources of pollutants                        | (X.G.2.a) |   | Section 7.1.1 | 05/06/2025 |
| Narrative assessment of likely pollutants present in storm water discharges | (X.G.2.a) |   | Section 7.1.2 | 05/06/2025 |
| Identification of additional BMPs                                           | (X.G.2.b) |   | Section 7.1.2 | 05/06/2025 |
| Identification of drainage areas with no exposure                           | (X.G.2.c) | X |               |            |
| Identification of additional parameters                                     | (X.G.2.d) | X |               |            |

## Storm Water Best Management Practices (Section X.H)

### Minimum BMPs (Section X.H.1)

| Good housekeeping                      | (X.H.1.a)              |                   | Section 8.1.1                         | 05/06/2025                                       |
|----------------------------------------|------------------------|-------------------|---------------------------------------|--------------------------------------------------|
| Preventive maintenance                 | (X.H.1.b)              |                   | Section 8.1.2                         | 05/06/2025                                       |
| Spill response                         | (X.H.1.c)              |                   | Section 8.1.3                         | 05/06/2025                                       |
| Material handling and waste management | (X.H.1.d)              |                   | Section 8.1.4                         | 05/06/2025                                       |
| SWPPP                                  | General Permit Section | Not<br>Applicable | SWPPP Page # or<br>Reference Location | Date Reviewed,<br>Implemented or Last<br>Revised |
| Erosion and sediment controls          | (X.H.1.e)              |                   | Section 8.1.5                         | 05/06/2025                                       |
| Employee training program              | (X.H.1.f)              |                   | Section 8.1.6                         | 05/06/2025                                       |
| Quality assurance and record keeping   | (X.H.1.g)              |                   | Section 8.1.7                         | 05/06/2025                                       |

### Advanced BMPs (Section X.H.2)

|                                                      |               |  |               |            |
|------------------------------------------------------|---------------|--|---------------|------------|
| Implemented advanced BMPs at the facility            | (X.H.2.a)     |  | Section 8.2   | 05/06/2025 |
| Exposure Minimization BMPs                           | (X.H.2.b.i)   |  | Section 8.2.1 | 05/06/2025 |
| Storm Water containment and discharge reduction BMPS | (X.H.2. b.ii) |  | Section 8.2.2 | 05/06/2025 |
| Treatment Control BMPs                               | (X.H.2.b.iii) |  | Section 8.2.3 | 05/06/2025 |
| Other advanced BMPs                                  | (X.H.2.b.iv)  |  | Section 8.2.4 | 05/06/2025 |

### Temporary Suspension of Activities (Section X.H.3)

|                                                  |         |  |               |            |
|--------------------------------------------------|---------|--|---------------|------------|
| BMPs necessary for stabilization of the facility | (X.H.3) |  | Section 8.2.5 | 05/06/2025 |
|--------------------------------------------------|---------|--|---------------|------------|

### BMP Descriptions (Section X.H.4)

|                                                             |               |   |             |            |
|-------------------------------------------------------------|---------------|---|-------------|------------|
| Pollutant that a BMP reduces or prevents                    | (X.H.4.a.i)   |   | Section 8.3 | 05/06/2025 |
| Frequency of BMP implementation                             | (X.H.4.a.ii)  |   | Section 8.3 | 05/06/2025 |
| Location of BMP                                             | (X.H.4.a.iii) |   | Section 8.3 | 05/06/2025 |
| Person implementing BMP                                     | (X.H.4.a.iv)  |   | Section 8.3 | 05/06/2025 |
| Procedures/maintenance/ instructions for BMP implementation | (X.H.4.a.v)   |   | Section 8.3 | 05/06/2025 |
| Equipment and tools for BMP implementation                  | (X.H.4.a.vi)  |   | Section 8.3 | 05/06/2025 |
| BMPs needing more frequent inspections                      | (X.H.4.a.vii) | X |             |            |

| SWPPP                                                                          | General Permit Section | Not Applicable | SWPPP Page # or Reference Location | Date Reviewed, Implemented or Last Revised |
|--------------------------------------------------------------------------------|------------------------|----------------|------------------------------------|--------------------------------------------|
| Minimum BMP/applicable advanced BMPs not implemented at the facility (X.H.4.b) |                        | X              |                                    |                                            |
| BMPs implemented in lieu of minimum or applicable advanced BMPs (X.H.4.c)      |                        | X              |                                    |                                            |
| BMP Summary Table (Section X.H.5)                                              |                        |                | Section 8.3                        | 05/06/2025                                 |

### **Monitoring Implementation Plan (Section X.I)**

|                                                                                                                                                        |  |   |                   |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|-------------------|------------|
| Team members assisting in developing the MIP (X.I.1)                                                                                                   |  |   | MIP Section 1.0   | 05/06/2025 |
| Summary of visual observation procedures, locations, and details (X.I.2)                                                                               |  |   | MIP Section 3.0   | 05/06/2025 |
| Justifications, if applicable, for:<br>Alternative discharge locations,<br>Representative Sampling Reduction or,<br>Qualified Combined Samples (X.I.3) |  | X |                   |            |
| Procedures for field instrument calibration (X.I.4)                                                                                                    |  |   | MIP Section 4.2   | 05/06/2025 |
| Example of Chain of Custody (X.I.5)                                                                                                                    |  |   | MIP Section 4.2.4 | 05/06/2025 |

### **Annual Comprehensive Facility Compliance Evaluation (Section X.V)**

|                                                                                                                                                                                      |  |  |              |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------|------------|
| Review of all visual inspection and monitoring records and sampling and analysis results conducted during the previous reporting year (XV.A)                                         |  |  | Section 10.1 | 05/06/2025 |
| Visual inspection of all areas of industrial activity and associated potential pollutant sources (XV.B)                                                                              |  |  | Section 10.2 | 05/06/2025 |
| Visual inspection of all drainage areas previously identified as having no-exposure to industrial activities and materials in accordance with the definitions in Section XVII (XV.C) |  |  | Section 10.2 | 05/06/2025 |
| Visual inspection of equipment needed to implement the BMPs (XV.D)                                                                                                                   |  |  | Section 10.3 | 05/06/2025 |
| Visual inspection of any structural and/or treatment control BMPs (XV.E)                                                                                                             |  |  | Section 10.3 | 05/06/2025 |
| Review and assessment of all BMPs for each area of industrial activity and associated potential pollutant sources (XV.F)                                                             |  |  | Section 10.3 | 05/06/2025 |
| Assessment of other factors needed to complete the information described in Section XVI.B (XV.G)                                                                                     |  |  | Section 11.0 | 05/06/2025 |

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## 1.0 Amended General Permit

The State of California General National Pollutant Discharge Elimination System Permit for Discharge Order 2014-0057-DWQ amended by Order 2015-0122-DWQ and Order 2018-0028-DWQ requires that the SWPPP be retained on site and made available upon request of a representative of the State Water Resources Control Board (SWRCB), Regional Water Quality Control Board (RWQCB) and/or the local storm water management agency that receives storm water discharges. Either a paper or electronic copy of all storm water monitoring information, records, data, and reports required by the General Permit shall be kept on site or available during regularly scheduled operating hours for a period of at least five (5) years.

The General Permit specifies that the RWQCB or the local agency may notify the facility operator when the SWPPP does not meet one or more of the minimum requirements found in Section X of the NPDES Permit. As requested by the RWQCB or local agency, the facility operator is required to submit a SWPPP revision and implementation plan via the State of California's Storm Water Multiple Application and Report Tracking System (SMARTS) within *30 days*.

The SWPPP must be revised, as appropriate, and implemented prior to changes in industrial activities that:

- (1) May significantly increase the quantities of pollutants in storm water discharge.
- (2) Cause a new area of industrial activity at the facility to be exposed to storm water; or
- (3) Begin an industrial activity that would introduce a new pollutant source at the facility.

During the Annual Comprehensive Facility Compliance Evaluation (annual evaluation), where a facility has been found in violation of any requirements of the General Permit, the SWPPP shall be revised, and revisions implemented within *90 days* of the completion of the evaluation.

When any part of the SWPPP is infeasible to implement by the deadlines specified in the General Permit due to proposed significant structural changes, the facility operator is required to submit a report to the RWQCB. The report must contain the following information:

- (1) Describe the portion of the SWPPP that is infeasible to implement by the deadline.
- (2) Provide justification for a time extension.
- (3) Provide a schedule for completing and implementing that portion of the SWPPP; and
- (4) Describe the BMPs that will be implemented in the interim period to reduce or prevent pollutants in storm water discharges.

Such reports are subject to RWQCB approval and/or modifications.

The SWPPP is considered a report that is available to the public under Section 308 (b) of the Clean Water Act.

Upon written request by U.S. EPA or the local MS4, facilities must provide paper or electronic copies of annual reports or other requested records to the State Water Resources Control Board, Regional Water Quality Control Board, U.S. EPA, or local MS4 within ten (10) days from receipt of the request.

## 2.0 Facility Information

This document constitutes the Storm Water Pollution Prevention Plan (SWPPP) for the Oakdale Municipal Airport facility (Oakdale Airport). This SWPPP was developed to meet the requirements given in **Section X** of the State of California General National Pollutant Discharge Elimination System Permit for Discharge Order 2014-0057-DWQ amended by Order 2015-0122-DWQ and Order 2018-0028-DWQ (General Permit).

Oakdale Airport operates under Standard Industrial Classification (SIC) codes of 4522 for, “*Air Transportation, Nonscheduled*” and 4581 for, “*Airports, Flying Fields, and Airport Terminal Services*.” SIC codes 4522, and 4581 are both listed under Category #8 of Attachment A of the Industrial General Permit requiring permit coverage for vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. The General Permit states, “*Only those portions of the facility involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or other operation identified under this permit*”. The State Water Resources Control Board (SWRCB) issued The Oakdale Airport the waste discharge identification number (WDID No.) 5S50I005019.

The Oakdale Airport facility is located at 8191 Laughlin Rd outside the City of Oakdale, Stanislaus County, California. It is situated less than half a mile east of Highway 99, and about half a mile south of Highway 12. The facility is within the Central Valley Regional Water Quality Control Board (RWQCB). The Oakdale Airport discharges into the Oakdale Irrigation District and then to the Lower Stanislaus River.

Scheduled facility operating hours for the maintenance area is Monday through Thursday, 7:00 AM to 4:30 PM, excluding holidays.

Scheduled facility operating hours for the fuel pump area is 24/7 because it is a self-serve pump (usually not operated at night).

The principal objectives of this plan are to:

- Identify and evaluate sources of pollutants that may affect the quality of storm water discharges and authorized non-storm water discharges from the facility.
- Identify and describe the minimum best management practices (BMPs) and any advanced BMPs implemented to reduce or prevent pollutants in industrial storm water discharges and authorized NSWDS. BMPs shall be selected to achieve compliance with the General Permit; and,
- Identify and describe conditions or circumstances which may require future revisions to be made to the SWPPP.

This plan is reviewed on an annual basis during the General Permit-required annual evaluation. Any revisions to the plan are recorded on the page titled “[SWPPP Revisions](#)” located in this document immediately after the table of contents. This plan is to be certified and submitted via SMARTS within 30 days when significant revisions have been made to the SWPPP. Unless there have been significant revisions made to the plan, the facility is not required to certify and submit via SMARTS their revised SWPPP more than once every three months in the reporting

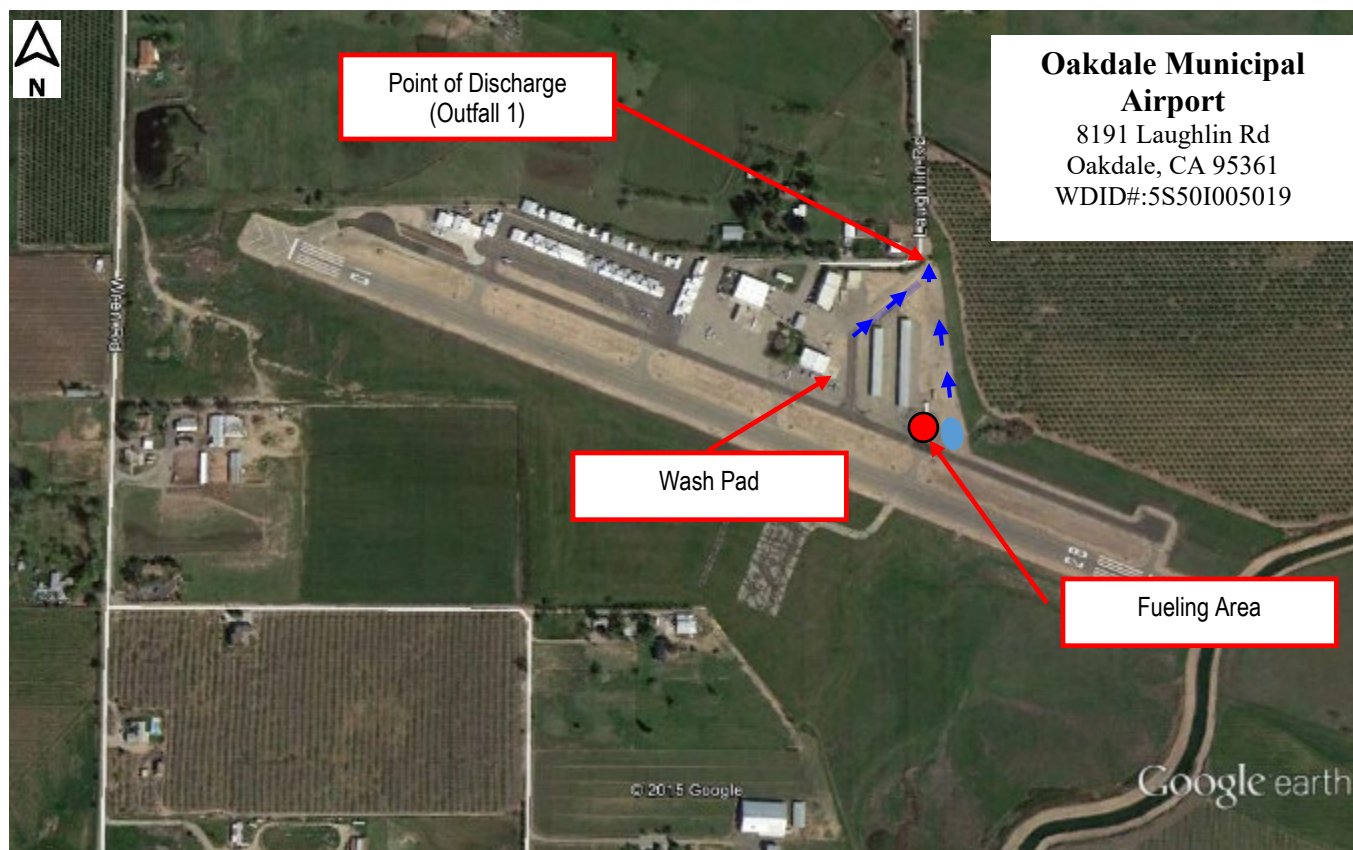
year. The annual review is recorded and signed by the reviewer on the page titled “[SWPPP Annual Review](#)” located in this document immediately after the above-mentioned annual review page. A copy of the SWPPP shall be maintained at the facility.

This SWPPP covers the Oakdale Airport and includes the following operations:

**Table 2.0 – Facility Operations**

| Facility Operation | Location                                       | Latitude/Longitude              | Description                                    |
|--------------------|------------------------------------------------|---------------------------------|------------------------------------------------|
| Fueling Area       | Southeast corner of industrial area.           | 37°45'22.81"N<br>120°47'52.11"W | Fueling of planes and collection of waste oil. |
| Wash Pad           | West of park area, adjacent to hangar building | 37°45'24.23"N<br>120°47'56.13"W | Plane washing                                  |

**Section Figure 2.0 - Facility Site Aerial Map**



**Legend**

-  Drainage swell
-  Surface flow
-  Pond/Low Spot
-  Industrial Areas Labeling

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### 3.0 Planning and Organization

The Oakdale Airport has incorporated a team approach to preventing pollution of storm water discharges. The team is comprised of a Public Services Director, a Facility Senior Engineering Technician, city tenants, and employees, who are all trained to have an active role in preventing pollution of storm water runoff and eliminating unauthorized non-storm water discharges. An environmental contractor is also utilized on an as-needed basis.

#### 3.1 Pollution Prevention Team

The following table lists the storm water pollution prevention team members along with their area of responsibility. The table below is subject to changes in personnel and responsibilities. It is reviewed and updated on an annual basis.

**Table 3.1 - Pollution Prevention Team**

| Name                | Title                                           | Telephone No.  | Responsibility                                                                                                       |
|---------------------|-------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------|
| Jeff Gravel         | Public Services Director                        | (209) 845-3600 | Certification of NOIs                                                                                                |
| Tyler Hendon        | Senior Engineering Technician / Airport Manager | (209) 845-3640 | Oversees storm water training program, record keeping, and conducts monitoring activities. Certification of reports. |
| WGR Southwest, Inc. | Consultant                                      | (209) 334-5363 | Assists the Oakdale Airport pollution prevention team on an as-needed basis.                                         |

Other than the annual training, the Senior Engineering Technician and airport caretaker(s) meet as deemed necessary to review BMP implementation, maintenance, and other SWPPP requirements whether revisions or additions are needed. As needed, the whole pollution prevention team confers to respond to emergency situations, the pollution prevention team may meet more frequently.

### 3.2 Other Required Facility Plans

The following regulatory plans and documents are used as reference resources for storm water compliance. Copies of the following plans referenced in the SWPPP can be obtained at the facility as part of the SWPPP.

**CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) HAZARDOUS MATERIALS BUSINESS PLAN & INVENTORY:** For required businesses, these documents list the registered chemicals and hazardous materials used at the facility; the plan is prepared for and required by the California Environmental Protection Agency (CalEPA) and regulatory enforcement has been delegated to the local Certified Unified Program Agencies (CUPA). It also describes the locations, quantities, and any alternative names of the chemicals used at the facility. This plan and copies of Safety Data Sheets (SDSs) for hazardous materials are located in the office.

**SPILL PREVENTION, CONTROL, AND COUNTERMEASURE (SPCC) PLAN:** In accordance with Title 40 of the Code of Federal Regulations (CFR), Part 112 the facility has prepared a SPCC Plan which has been certified by a professional engineer.

## 4.0 Site Maps

The General Permit requires specific information to be depicted on a site map or a combination of reference maps. The following list describes the permit requirements and which map has the appropriate information.

**Table 4.0 - Site Maps**

| Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Map Name                                                      | Figure No. | Location                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------|---------------------------------------------------|
| Show location of nearby bodies of water (rivers, lakes, wetlands, etc.) and municipal drain inlets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | VICINITY MAP                                                  | Figure 1   | Included in figures section before the appendices |
| <ul style="list-style-type: none"> <li>Location of the facility boundary, and any portions of any drainage area impacted by discharges from surrounding areas.</li> <li>Any on-site water bodies, any areas of soil erosion</li> <li>Municipal storm drain inlets that may receive facility's discharges</li> <li>Storm water collection and conveyance systems, discharge locations (outfalls), direction of flow, catch basins</li> <li>Locations/descriptions of structural control measures</li> <li>Identification of all impervious areas, including pavement, buildings, covered storage, etc.</li> <li>Locations of exposed industrial materials, and locations of any identified significant spills/leaks</li> <li>Areas of industrial activity including product storage areas, shipping/receiving, vehicle/equipment maintenance, material handling/processing, waste treatment/disposal, dust/particulate generation, cleaning &amp; material reuse, and other industrial activity areas.</li> </ul> | THE OAKDALE<br>AIRPORT STORM<br>WATER FLOW AND<br>OUTFALL MAP | Figure 2   | Included in figures section before the appendices |

Described more fully in section 2.0 of the Monitoring Implementation Plan (MIP), the Oakdale airport has three outfalls. Outfall 1 receives run-off from the maintenance building and the hangar apron. Outfall 2 receives run-off from the wash pad. Outfall 3 receives storm run-off from the fueling area which includes the waste oil collection bin.

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## 5.0 List of Industrial Materials

The following is a list of significant industrial materials stored and used at the Oakdale Airport. This list is subject to change and will be reviewed and revised as a part of the Annual evaluation:

**Table 5.0 - Significant Material**

| Significant Material | Location where materials are stored, handled, received or shipped | Quantities      |
|----------------------|-------------------------------------------------------------------|-----------------|
| Avgas                | Storage tank in fueling area                                      | 12,000 gal.     |
| Waste Oil            | Inside waste oil containment container                            | 2-55 gal. drums |

For more information, including the locations of each significant industrial material, where each material is handled, stored, received, and shipped, and handling frequencies, see:

**CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) HAZARDOUS MATERIALS BUSINESS PLAN & INVENTORY:** For required businesses, these documents list the registered chemicals and hazardous materials used at the facility; the plan is prepared for and required by the California Environmental Protection Agency (CalEPA) and regulatory enforcement has been delegated to the local Certified Unified Program Agencies (CUPA). It also describes the locations, quantities, and any alternative names of the chemicals used at the facility. This plan and copies of Safety Data Sheets (SDSs) for hazardous materials are located in the office.

In addition, a listing of hazardous waste can be found in:

**HAZARDOUS WASTE MANIFESTS:** These documents list the types of waste and disposal amounts. Copies of the manifests are kept at the **City of Oakdale Public Works Department**.

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## 6.0 Description of Potential Pollutant Sources

The Oakdale Airport repairs, washes, and fuels airplanes. The potential pollutant sources are the wash water run-off, aviation fuel, and maintenance fluids.

### 6.1 Narrative Descriptions

The following summarizes, in narrative form, the various potential pollutant sources. [Table 8.3](#) gives a tabulated overview of this information.

#### 6.1.1 Industrial Processes

The following is a list of industrial processes at the Oakdale Airport:

- Airplane washing
- Fueling of airplanes

##### 6.1.1.1 Fueling Area

This area is owned by the City of Oakdale and is used primarily for the fueling of planes with aviation fuel. This area also has a waste oil collection bin that contains two drums that store the waste oil until it can be taken by an authorized waste handler. There is a portable toilet in this area for tenants to use. Run-off from this area drains to a low spot which is contained by an earthen berm. Should there be a significant storm event, the contained storm water would overflow north along the berm to the airport property's north-east corner near the exit gate.



Fueling Area

Potential pollutants include: **oil/grease from collection bin and Avgas from spills or leaks.**

##### 6.1.1.2 Wash Pad

Airplane washing is done in this area on a concrete pad. Wash water in this area drains to a leech system. This area is not used often historically, about 5-10 times a year. Significant run-off from this area may sheet flow northeast where it will discharge from the north-east corner of the airport's property. To the north of the wash pad is an airport tenant, Sierra Aviation, which has offices and parts storage, but these areas are not operated by Airport personnel and show no evidence of track out or exposure of pollutants to storm water and will be treated as a no exposure area.



Wash Pad

Potential pollutants include: **Sediments and wash water.**

### 6.1.1.3 Waste Storage

The Oakdale Airport has three kinds of wastes: common trash, hazardous waste, and non-hazardous waste. Metal garbage bins are used to store trash and non-hazardous waste on-site prior to disposal. The following table describes the remaining waste streams:

**Table 6.1.1 - Waste Streams**

| ITEM No. | GENERIC WASTE DESCRIPTION                   | LOCATION                                                                                              | QTY & UNIT                                                        | TYPE OF WASTE |
|----------|---------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------|
| 1        | Waste oil                                   | Waste oil collection bin in fueling area                                                              | 2 55-gallon containers                                            | Non RCRA      |
| 2        | Spent absorbent, oily debris, oil pads, PPE | Spent absorbent collection bin in fueling area                                                        | 1 drum                                                            | Non RCRA      |
| 3        | Universal waste - non-empty aerosol cans    | Accepted by Sierra Aviation. Trash can through facility and dumpsters behind the maintenance building | Taken to approved disposal facility within one year of generation | Non RCRA      |
| 4        | Human Waste                                 | Portable toilet near fueling area                                                                     | Taken to approved disposal facility by authorized contractor      | Non RCRA      |

Potential pollutants include: **petroleum fuels, oil/grease, hydraulic fluid, coolant, metals, paint, solvents, and human waste**

### 6.1.2 Material Handling and Storage Areas

The Oakdale Airport has the following material handling and storage areas:

**Table 6.1.2 - Material Handling and Storage Areas**

| Material Storage Location         | Materials Stored | Pollution Prevention Procedures                                                                                                                                                                | Containment                 |
|-----------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Waste Storage Bin (Fueling Area)  | Used Motor Oil   | <ul style="list-style-type: none"> <li>Oil absorbent and spill kits are readily available.</li> <li>Oil is hauled offsite to an approved disposal facility.</li> </ul>                         | Covered and clean drums     |
| Avgas Storage Tank (Fueling Area) | Avgas            | <ul style="list-style-type: none"> <li>Transfer processes closely monitored</li> <li>Spill kits and absorbent materials on hand</li> <li>Tanks are manually checked before transfer</li> </ul> | Avgas in double walled tank |

### 6.1.3 Dust and Particulate Generating Activities

No industrial processes at the Oakdale Airport cause particulates. Water is never used to wash down the facility yard. The facility yard is swept quarterly by contracted street sweepers to clean accumulated dust.

#### **6.1.4 Significant Spills and Leaks**

The Oakdale Airport has had no significant spills or leaks in their history of operation. Good housekeeping and safe work practices are standard procedure at The Oakdale Airport, and spill kits are readily available in case a spill does occur.

#### **6.1.5 Non-Storm Water Discharges**

The Oakdale Airport seeks to prevent any unauthorized non-storm water discharges from occurring at their facility. The one potential source of an unauthorized non-storm water discharge is equipment washing, which is performed on the wash pad which is designed to capture all wash water. Any water that escapes the wash pad would be absorbed into the dirt lot next to the pad or evaporate before reaching any outfalls as long as no washing activities take place during storm events because of the distance to any outfalls. Washing activities are not allowed during storm events to minimize storm water contamination.

Authorized non-storm water discharges at the Oakdale Airport include: fire hydrant maintenance and testing, landscape irrigation, and air conditioning condensate.

#### **6.1.6 Erodible Surfaces**

All surfaces within the Oakdale Airport industrial areas are paved except the dirt lot next to the wash pad which is stabilized with crushed rock and road base. Sweeping is performed as regular good housekeeping maintenance and a contractor sweeper is used as necessary.

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## 7.0 Assessment of Potential Pollutant Sources

The Oakdale Airport periodically reviews storm water observation and analytical data in order to evaluate the effectiveness of existing BMPs and monitors operational changes that may affect the quality of the facility's storm water discharge. A formal assessment is done at the end of each storm water year in conjunction with the annual evaluation, and the preparation of the annual report.

### 7.1 Narrative Assessments

The Oakdale Airport annually reviews and evaluates its activities in light of the storm water discharge observations and analytical data from the outfall.

#### 7.1.1 Sampling Parameters

The General Permit in Section XI.B outlines storm water sampling parameters that are to be analyzed.

The sampling parameters are to be analyzed using sufficiently sensitive test methods in compliance with 40 CFR Part 136, or 40 CFR Chapter I, subchapters N and O in order “to detect and quantify pollutants at or below the applicable water quality criteria, action levels, or effluent limitations” for any applicable NPDES permit.<sup>1</sup>

##### 7.1.1.1 Universal Sampling Parameters

All storm water discharges are to be sampled for Total suspended solids (TSS), oil and grease (O&G), and pH.

##### 7.1.1.2 Facility Specific Sampling Parameters

The General Permit requires in Section X.G.2.a.ii to assess “pollutants likely to be present in industrial storm water discharges and authorized NSWDS.” Then in Section XI.B.6.c the General Permit also requires that dischargers are to include in their monitoring programs other parameters that are facility-specific (based on the General Permit Section X.G.2.a.ii assessment) and are indicators of the presence of potential pollutants present in storm water from the facility's industrial pollutant sources.

The Oakdale Airport main potential pollutant is aviation gasoline. The Oakdale Airport additionally tests for the presence of Avgas in storm water by testing for total petroleum hydrocarbons using EPA method 8015. During the 2017-2018 monitoring year, TPH Aviation Range was determined to not be present in significant concentrations in storm water discharges; therefore, the Oakdale Airport has removed TPH Aviation Range as a sampling parameter. Due to the potential presences of lubricants from the wash pad and fueling area, the Oakdale Airport will test for total zinc.

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<sup>1</sup> See 2018 Industrial Storm Water General Permit Amendment Fact Sheet at [https://www.waterboards.ca.gov/water\\_issues/programs/stormwater/docs/industrial/igp\\_factsheet\\_final.pdf](https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/industrial/igp_factsheet_final.pdf) or Amended General Permit Section I.K.69

### 7.1.1.3 Standard Industrial Classification Code Sampling Parameters

Oakdale Airport operates under Standard Industrial Classification (SIC) codes of 4522 for, “*Air Transportation, Nonscheduled*” and 4581 for, “*Airports, Flying Fields, and Airport Terminal Services*.” SIC codes 4522, and 4581 are both listed under Category #8 of Attachment A of the Industrial General Permit requiring permit coverage for vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. The General Permit states, “*Only those portions of the facility involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or other operation identified under this permit*”.<sup>2</sup>

According to the General Permit, facilities with the SIC codes 4522 and 4581 are required to sample for the additional parameter of chemical oxygen demand (COD), biological oxygen demand (BOD), and ammonia in nitrates (NH<sub>3</sub>), if the facility uses more than 100,000 gallons of glycol-based deicing chemicals and/or 100 tons of urea on an average annual basis.<sup>3</sup> The Oakdale airport does not meet these requirements because the airport has no deicing materials or equipment and no deicing is done or permitted at the facility. Therefore, the Oakdale Airport is not required to test for COD, BOD, and NH<sub>3</sub>.

Should a Table 1 listed sampling parameter not be a potential pollutant based on industrial activities, a facility can be exempted from sampling that Table 1 listed sampling parameter upon approval of the Regional Water Quality Control Board (Regional Board).

### 7.1.1.4 Applicable TMDLs & 303(d) Listed Impairments

General Permit Sections I.F and X.G.2.ix requires a facility to include as part of its pollutant assessment any applicable TMDLs listed in General Permit Attachment E and applicable impairments listed in California 2010 303(d) list [303(d) list] found in Appendix 3 for the receiving Hydrologic Unit Code 10 watershed (HUC 10 watershed).

Currently Attachment E has no TMDLs listed for the Oakdale Airport’s receiving water body.

Of the listed 303(d) Impairments, the Oakdale Airport has determined that the 303(d) listed impairments are not likely to be present in storm water discharges. The portable toilet which used to be present onsite until 2017 when the pilot’s building was constructed may have been a potential source of E. coli. However, the portable toilet had never been observed to have leaks or drips as well as it is no longer present at the airport. Therefore, it has been determined that E. coli due to past and present industrial activity would not likely be present in storm water discharges.

Any applicable TMDLs, and 303(d) listed impairments for Oakdale Airport’s Lower Stanislaus River HUC 10 (ID# 1804001007) are listed in [Table 7.1.1.7](#).

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<sup>2</sup> See General Permit Attachment A, Category 8

<sup>3</sup> See General Permit Section XI.B, Table 1, Footnote 18

### 7.1.1.5 Regional Water Board Required Sampling Parameters

A facility is to add any additional sampling parameters required by the Regional Board to its list of sampling parameters. To date the Regional Board has not added to the Airport any additional sampling parameters.

### 7.1.1.6 Effluent Limitation Guidelines Sampling Parameters

General Permit Section I.L.72 states, “U.S. EPA regulations at 40 Code of Federal Regulations Chapter I Subchapter N (Subchapter N) establish technology-based Effluent Limitation Guidelines and New Source Performance Standards (ELGs) for industrial storm water discharges from facilities in specific industrial categories. For these facilities, compliance with the BAT/BCT and ELG requirements constitutes compliance with technology-based requirements of this General Permit.” The facilities with industrial activities subject to ELG requirements are identified in Attachment F of the General Permit. Deicing is listed in Attachment F; however, the Oakdale Airport does not perform deicing and none of Airport’s other industrial activities are not listed in Attachment F; therefore, the Airport is not subject to any ELGs.

### 7.1.1.7 Toxic Release Inventory (TRI) Chemicals

Section X.G.1.d.ii of the General Permit states that facilities with toxic chemicals identified in 40 Code of Federal Regulations Section 302 and oil and hazardous substances in excess of reportable quantities from 40 C.F.R. §§ 110, 117, and 302 (TRI reported chemicals) that have discharged from the facility’s storm water conveyance system within the previous five-year period must be included as sampling parameters. The Oakdale Airport has no TRI reporting chemicals (see [Table 7.1.1.7](#)).

The table below has the current Attachment E, 303(d) list, and TRI reported chemicals listed potential sampling parameters:

**Table 7.1.1.7 – Receiving Water Impairments**

| Attachment E TMDLs                                            | 303(d) List Impairments                                                                                                                                                                                                                                                                      | TRI Reporting Chemicals                                |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <ul style="list-style-type: none"> <li>None listed</li> </ul> | <ul style="list-style-type: none"> <li>Group A Pesticides (Carcinogenic Pesticide Screen) Chlorpyrifos</li> <li>Diazinon</li> <li>E.Coli and Enterococcus</li> <li>Mercury</li> <li>Electrical Conductivity</li> <li>Temperature, water</li> <li>DDT (including DDD, DDE and DDT)</li> </ul> | <ul style="list-style-type: none"> <li>None</li> </ul> |

Refer to [Appendix B](#) for a list of analyzed parameters in conjunction with a storm water discharge.

### 7.1.2 Required Monitoring and Applicable Discharged Water Quality Standards

Storm water sample parameters are to be compared for compliance by:

1. Applicable Numerical Action Levels (NALs) listed in Table 2 (see General Permit Section VII.A);
2. Applicable TMDL based NALs (TNALS) and TMDL based numeric effluent limitations (NELs) outlined in General Permit Attachment E (see General Permit Section VII); and
3. Applicable ELGs (see General Permit General Permit Section XI.B.6.g and Attachment F).

The facility evaluates its analytical data by comparing it to the following Numeric Action Levels (NALs):

**Table 7.1.2– Required Monitoring and Applicable NALs**

| Analytes                     | Regulatory Reference                                           | Outfall   | NAL                                                           |
|------------------------------|----------------------------------------------------------------|-----------|---------------------------------------------------------------|
| pH                           | Industrial General Permit<br><i>Mandatory</i><br>NAL           | Outfall 1 | >6.0 <9.0<br>pH Units                                         |
| Total Suspended Solids (TSS) | Industrial General Permit<br><i>Mandatory</i><br>NAL           |           | 100 mg/L (Annual Average)<br>400 mg/L (Instantaneous maximum) |
| Oil & Grease (O&G)           | Industrial General Permit<br><i>Mandatory</i><br>NAL           |           | 15 mg/L (Annual Average)<br>25 mg/L (Instantaneous Maximum)   |
| Zinc                         | Industrial General Permit<br><i>Activity Assessment</i><br>NAL |           | 0.26 mg/L (Annual average)                                    |

### 7.1.3 Likely Sources of Pollutants

The following areas have been identified as likely sources of pollutants:

**Table 7.1.3- Likely Sources of Pollutants**

| Area / Activity | Indicator                                                                     | Pollutant                |
|-----------------|-------------------------------------------------------------------------------|--------------------------|
| Wash Pad        | Oil and Grease, elevated pH and TSS.                                          | Sediment, oil and grease |
| Fueling Area    | Total Petroleum Hydrocarbons in Aviation Fuel Range (TPH), Oil & Grease, Zinc | Hydrocarbons, Oil, Zinc  |

#### **7.1.4 Likely Pollutants**

Based on the above information and the historical analytical data included in the annual reports, the following is a list of pollutants **most likely** to be present in the Oakdale Airport's storm water discharge. They appear in the following list in the order of their likeliness of being a pollutant present in the discharge.

- 1. Avgas from fueling processes**
- 2. Oil and grease from stored used oil**
- 3. Wash water that escapes the wash pad**
- 4. Zinc (a component of lubricants and motor oils)**

*[Page intentionally left blank.]*

## 8.0 Storm Water Best Management Practices (BMPs)

According to the NPDES General Permit, BMPs are the activities, prohibition of practices, maintenance procedures, and other management practices used to prevent or reduce the pollution of storm water discharge. BMPs also include treatment measures, operating procedures, and practices to control facility site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. BMPs may include any type of pollution prevention and pollution control measure necessary to achieve compliance with the NPDES Permit.

The Oakdale Airport operations and maintenance personnel will continually develop, implement, and revise BMPs as appropriate to reduce and/or prevent potential industrial pollutants from the materials listed and described in Section 5.0 and the activities described in Section 6.0. Special construction or maintenance projects may require additional BMPs to prevent discharges of unauthorized non-storm water to the storm water conveyance system and to prevent contamination of storm water runoff. BMPs for each special project are considered on a case-by-case basis. The plant Senior Engineering Technician coordinates all such efforts with facility employees and contractors. The Oakdale Airport will identify any areas where the minimum BMPs are not adequately reducing or preventing pollutants in storm water discharges, and will identify and implement any advanced BMPs for those areas.

The following describes the minimum (non-structural or preventative), and advanced (structural, preventative, and treatment) BMPs utilized at the Oakdale Airport facility:

### 8.1 Minimum BMPs

The following are prevention practices utilized by The Oakdale Airport to minimize the probability of pollution of storm water discharge.

#### 8.1.1 Good Housekeeping

The Oakdale Airport implements the permit-required good housekeeping measures through the following listed activities:

**Table 8.1.1- Good Housekeeping**

| Minimum Permit Requirement                                                                                                                                                                                                                                                                                                                                                                                                | Facility-Specific Implementation                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Observe all outdoor areas associated with industrial activity; including storm water discharge locations, drainage areas, conveyance systems, waste handling/disposal areas, and perimeter areas impacted by off-facility materials or storm water run-on to determine housekeeping needs. Any identified debris, waste, spills, tracked materials, or leaked materials shall be cleaned and disposed of properly;</i> | The Oakdale Airport employees sweep dust and sediment and pick up any stray debris and put it in the trash receptacles as needed. Contracted sweepers clean facility yard and paved areas quarterly. |
| <i>Minimize or prevent material tracking</i>                                                                                                                                                                                                                                                                                                                                                                              | No industrial activities generate particles. Any spills and leaks are cleaned as soon as possible after discovery to prevent track out.                                                              |

| Minimum Permit Requirement                                                                                                                                                                           | Facility-Specific Implementation                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Minimize dust generated from industrial materials or activities;</i>                                                                                                                              | No industrial activities at the Oakdale Airport facilities generate dust or particulates.                                                                                                                                                                                                          |
| <i>Ensure that all facility areas impacted by rinse/wash waters are cleaned as soon as possible;</i>                                                                                                 | Vehicle washing is seldom performed at the Oakdale Airport facility, but when it is, the washing area is isolated from outfalls and the wash water is allowed to evaporate or collect in the wash pad leech system. Once evaporated the wash area is swept clean if there is any remaining debris. |
| <i>Cover all stored industrial materials that can be readily mobilized by contact with storm water;</i>                                                                                              | Used oil and spent absorbents contained in clean drums. Fuel stored in doubled walled tank.                                                                                                                                                                                                        |
| <i>Contain all stored non-solid industrial materials or wastes (e.g., particulates, powders, shredded paper, etc.) that can be transported or dispersed by the wind or contact with storm water;</i> | No industrial activities at the Oakdale Airport facilities generate dust or particulates.                                                                                                                                                                                                          |
| <i>Prevent disposal of any rinse/wash waters or industrial materials into the storm water conveyance system;</i>                                                                                     | Before any washing activity commences, the area is isolated from the nearest outfall or washing takes place on the wash pad that captures rinse water to prevent unauthorized non-storm water discharges.                                                                                          |
| <i>Minimize storm water discharges from non-industrial areas (e.g., storm water flows from employee parking area) that contact industrial areas of the facility; and,</i>                            | Surface grading and berms divert most storm water from non-industrial areas away from any industrial outfalls.                                                                                                                                                                                     |
| <i>Minimize authorized NSWDS from non-industrial areas (e.g., potable water, fire hydrant testing, etc.) that contact industrial areas of the facility.</i>                                          | Fire hydrant testing is only performed by the local certified agency on a periodic basis.                                                                                                                                                                                                          |

### 8.1.2 Preventive Maintenance

In keeping with the permit requirements for preventative maintenance, The Oakdale Airport implements the following practices:

**Table 8.1.2- Preventive Maintenance**

| Minimum Permit Requirement                                                                 | Facility-Specific Implementation                                                                                                              |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Identify all equipment and systems used outdoors that may spill or leak pollutants;</i> | The Oakdale Airport owns the fuel tank and fuel pump which is regularly inspected and maintained by certified contractors and city employees. |

| Minimum Permit Requirement                                                                                                                                                          | Facility-Specific Implementation                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Observe the identified equipment and systems to detect leaks, or identify conditions that may result in the development of leaks;</i>                                            | The Oakdale Airport inspects their equipment to make sure it is in proper working order before use and maintains each piece of equipment as needed to prevent leaks or spills. All mobile equipment that is used are stored in a completely enclosed area. |
| <i>Establish an appropriate schedule for maintenance of identified equipment and systems; and,</i>                                                                                  | Equipment is inspected prior to use looking for leaks, drips and to ensure that the equipment is in proper working order. Should a maintenance issue be discovered an outside contractor is utilized.                                                      |
| <i>Establish procedures for prompt maintenance and repair of equipment, and maintenance of systems when conditions exist that may result in the development of spills or leaks.</i> | The Oakdale Airport inspects their equipment to make sure it is in proper working order before use and maintains each piece of equipment as needed to prevent leaks or spills.                                                                             |

### 8.1.3 Spill and Leak Prevention and Response

The Oakdale Airport employs the following activities and procedures to maintain compliance with the permit requirements:

**Table 8.1.3- Spill and Leak Prevention and Response**

| Minimum Permit Requirement                                                                                                                                                                                                                             | Facility-Specific Implementation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Establish procedures and/or controls to minimize spills and leaks;</i>                                                                                                                                                                              | Personnel present during fueling activities, spill response material and equipment readily available for use.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <i>Develop and implement spill and leak response procedures to prevent industrial materials from discharging through the storm water conveyance system. Spilled or leaked industrial materials shall be cleaned promptly and disposed of properly;</i> | The Oakdale Airport employees and tenants use the following procedure for spill response for <b>surface spills or sheens</b> :<br><ol style="list-style-type: none"> <li>1. Quickly identify the source and assess the situation.</li> <li>2. Immediately contact the plant Senior Engineering Technician and, if necessary, call 911.</li> <li>3. Contain the spill, is safe to do so, preventing it from reaching storm drains by using available spill response equipment located throughout the facility (see Figure 2 for spill kit locations).</li> </ol> |

| Minimum Permit Requirement                                                                                                                                                                                        | Facility-Specific Implementation                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                   | 4. Document reportable spills including the spill response and corrective action. File a copy at the City of Oakdale Public Works Department                                                                                                                                             |
| <i>Identify and describe all necessary and appropriate spill and leak response equipment, location(s) of spill and leak response equipment, and spill or leak response equipment maintenance procedures; and,</i> | The Oakdale Airport has spill response kits readily available in the maintenance area and fueling area. These kits contain absorbents and other cleaning materials. Hazardous waste from spill cleanup measures is disposed of in accordance with local, State, and Federal regulations. |
| <i>Identify and train appropriate spill and leak response personnel.</i>                                                                                                                                          | The Oakdale Airport conducts mandatory employee new hire training and new tenant training. Storm water management training is held annually, in which employees and tenants are trained in spill response, PPE, and other topics.                                                        |

#### 8.1.4 Material Handling and Waste Management

The Oakdale Airport implements permit compliant BMPs for material handling and waste management:

**Table 8.1.4 - Material Handling and Waste Management**

| Minimum Permit Requirement                                                                                                                                                                           | Facility-Specific Implementation                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Prevent or minimize handling of industrial materials or wastes that can be readily mobilized by contact with storm water during a storm event;</i>                                                | All maintenance material is stored in a covered container and all waste oil and non-hazardous waste is removed by outside contractors.                                 |
| <i>Contain all stored non-solid industrial materials or wastes (e.g., particulates, powders, shredded paper, etc.) that can be transported or dispersed by the wind or contact with storm water;</i> | No industrial processes at the Oakdale Airport facility produce dust or particulates.                                                                                  |
| <i>Cover industrial waste disposal containers and industrial material storage containers that contain industrial materials when not in use;</i>                                                      | Trash bins are covered when not in use.                                                                                                                                |
| <i>Divert run-on and storm water generated from within the facility away from all stockpiled materials;</i>                                                                                          | All fuel, used oil, and spent absorbent are in appropriate tanks/containers.                                                                                           |
| <i>Clean all spills of industrial materials or wastes that occur during handling in accordance with the spill response procedures (Section X.H.1.c); and,</i>                                        | The Oakdale Airport employees sweep the facility grounds as needed. Any spills or leaks are cleaned appropriately as soon as possible, and waste disposed of properly. |

| Minimum Permit Requirement                                                                                                                                                       | Facility-Specific Implementation                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Observe and clean as appropriate, any outdoor material or waste handling equipment or containers that can be contaminated by contact with industrial materials or wastes.</i> | Other than the non-hazardous waste and waste oil containment containers which are kept closed when not in use and emptied by an authorized waste hauler as needed, no waste handling equipment is housed on site. |

### 8.1.5 Erosion and Sediment Controls

All industrial areas at the Oakdale Airport are completely paved and non-permeable. Industrial activities do not generate dust or particulates. If paved surfaces were to become damaged, repairs would be made to minimize erosion. Sedimentation off-site, but commercial sweepers are contracted to clean the facility yard as needed.

### 8.1.6 Employee Training Program

The Oakdale Airport recognizes the importance of employee training and utilizes the following permit-required training procedures.

**Table 8.1.6 - Employee Training Program**

| Minimum Permit Requirement                                                                                                                                                                                                                                                                                                                                                                                        | Facility-Specific Implementation                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Ensure that all team members implementing the various compliance activities of this General Permit are properly trained to implement the requirements of this General Permit, including but not limited to: BMP implementation, BMP effectiveness evaluations, visual observations, and monitoring activities. If a Discharger enters Level 1 status, appropriate team members shall be trained by a QISP;</i> | The Oakdale Airport requires annual training of employees for spill prevention and response and storm water pollution prevention. New employee/ tenant orientation also covers these topics. If The Oakdale Airport were to enter Level 1 status (see <a href="#">Exceedance Response Actions (ERAs) in section 12.0</a> ) a Qualified Industrial Storm Water Practitioner (QISP) would be contracted, and/or appropriate team members would be certified for a Level 1 ERA. |
| <i>Prepare or acquire appropriate training manuals or training materials;</i>                                                                                                                                                                                                                                                                                                                                     | Training materials appropriate to the General Permit are maintained in the main office.                                                                                                                                                                                                                                                                                                                                                                                      |
| <i>Identify which personnel need to be trained, their responsibilities, and the type of training they shall receive;</i>                                                                                                                                                                                                                                                                                          | The personnel needing to be trained and their responsibilities are listed in section 3.1, Table 3.1 of this SWPPP. These employees receive training on BMP implementation, BMP maintenance, and General Permit storm water monitoring requirements.                                                                                                                                                                                                                          |
| <i>Provide a training schedule; and,</i>                                                                                                                                                                                                                                                                                                                                                                          | Specific BMPs and storm water monitoring training is conducted annually prior to the start of the rainy season.                                                                                                                                                                                                                                                                                                                                                              |

| Minimum Permit Requirement                                                                                             | Facility-Specific Implementation                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Maintain documentation of all completed training classes and the personnel that received training in the SWPPP.</i> | The Oakdale Airport has all employees sign a training roster for each training session, and the roster is kept in the Public Works Department of the City of Oakdale. |

### 8.1.7 Quality Assurance and Record Keeping

In order to assure that the SWPPP is effective, and to assure its implementation, The Oakdale Airport uses the following Quality Assurance / Quality Control BMPs:

**Table 8.1.7 - Quality Assurance and Record Keeping**

| <i>Minimum Permit Requirements</i>                                                                                                           | <i>Facility-Specific Implementation</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Develop and implement management procedures to ensure that appropriate staff implements all elements of the SWPPP, including the MIP;</i> | <p>The Oakdale Airport management implements this requirement by doing the following activities:</p> <ol style="list-style-type: none"> <li>1. The pollution prevention team are trained in storm water best management practices and monitoring.</li> <li>2. Facility personnel in turn are training in storm water best management practices and monitoring.</li> <li>3. Pollution prevention team members or trained personnel perform a monthly site inspection using Form 2, and file each month's completed form in the facility administrative office.</li> </ol> |
| <i>Develop a method of tracking and recording the implementation of BMPs identified in the SWPPP</i>                                         | <p>The Senior Engineering Technician:</p> <ol style="list-style-type: none"> <li>1. Reviews monthly Form 2 inspections and any documented follow-up actions</li> <li>2. Follows-up with action items</li> <li>3. Monthly inspection reviewer documents follow-up actions on Form 2</li> </ol>                                                                                                                                                                                                                                                                            |

|                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>Maintain the BMP implementation records, training records, and records related to any spills and clean-up related response activities for a minimum of five (5) years (Section XXI.J.4).</i></p> | <p>The Oakdale Airport maintains documentation of monthly observations, storm water sampling and observations, annual evaluations, analytical testing, training, spill response, reporting or any storm water related issues in the Public Works Department.</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 8.2 Advanced BMPs

Advanced BMPs consist of structural devices that reduce or prevent pollutants in storm water discharges. To the extent economically and technologically feasible, the Oakdale Airport employs the use of advanced BMPs. The following describes some of the structural (preventative and/or treatment structures) BMPs utilized at the facility.

### 8.2.1 Exposure Minimization BMPs

The Oakdale Airport makes an effort at keeping activities and equipment undercover. All significant materials are stored inside or within covered containers. The fuel pump and hoses are covered with an overhang. Outside trash cans are covered with lids and equipment stored outside is tarped when not in use.

### 8.2.2 Storm Water Containment and Discharge Reduction BMPs

The Oakdale Airport uses a retention system for its wash pad that collects water from washing processes. The excess water is then allowed to penetrate into the ground through a leech system. Fueling area surface flows to a contained low spot southeast of the fueling area. If the facility was to have a NALs exceedance(s), additional storm water containment and discharge reduction BMPs would be evaluated and implemented as appropriate to maintain General Permit compliance.

### 8.2.3 Treatment Control BMPs

The Oakdale Airport has no treatment control BMPs as described in section X.H.2.iii of the General Permit. If the facility were to reach Level 2 status for a sampling parameter, treatment control BMPs may be implemented to reduce industrial pollution.

#### 8.2.4 Other Advanced BMPs

Surface grading in non-industrial areas was utilized to channel storm water to drain inlets, preventing flooding in the industrial areas. While not a treatment control BMP as described in section X.H.2.iii of the General Permit, during the 2017-2018 monitoring year the Oakdale Airport added a compost sock to filter storm water discharges from Outfall 1. During the 2018-2019 storm water season, additional compost socks were added to the conveyance swale.



#### 8.2.5 Temporary Suspension of Industrial Activities

Should the Oakdale Airport plan to temporarily suspend industrial activities for ten or more consecutive days during a reporting year, monitoring may also be suspended if it is infeasible to conduct while industrial activities are suspended, and the facility has been stabilized with the proper BMPs to achieve compliance with the General Permit during the suspension of industrial activity. The reason for suspending monitoring activities must be explained and reported.

In order to stabilize the facility during suspension:

- All storage containers and totes would be cleaned, checked for cracks and/or leaks, and sealed;
- The facility yard would be cleaned and swept of all debris, spills, tracked materials, and dust;
- The maintenance building, wash pad, and fueling area would be cleaned of all debris, spills, tracked materials, dust, and secured appropriately; and,
- The facility entrance and exit gates would be locked.

If the Oakdale Airport facility is unexpectedly forced (due to fire, earthquake, etc.), to suspend industrial activities for ten or more consecutive days during a reporting year, the BMPs enacted to stabilize the facility would be dependent upon the situation. Basic emergency stabilization procedures are as follows:

- Shut off all power to the facility;
- Ensure all tanks are sealed; and
- Enact as many stabilization BMPs listed above as reasonably possible.

Once all necessary BMPs have been implemented to stabilize the facility, and the temporary suspended of activities submitted to the Regional Water Quality Control Board (RWQCB), the facility would **not** be required to perform monthly visual observations or perform sampling and analysis for eth predetermined suspension period.

A temporary suspension must report on SMARTS the dates of when the temporary suspension of industrial activities begins and ends no later than (7) seven calendar days prior to planned suspension.

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### 8.3 BMP Descriptions

The following table summarizes the activities at the Oakdale Airport facility, the potential pollutant sources, and the potential pollutants. BMPs for the potential pollutant sources are also listed below. See the tabulated table below for frequency of each BMP. BMPs are utilized by all facility personnel and maintenance staff.

**Table 8.3 - BMP Summary**

| Area         | Activities                                                                                           | Pollutant Sources                                                                                                 | Potential Pollutants                                                                                   | Best Management Practices                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wash Pad     | <ul style="list-style-type: none"> <li>Washing of planes</li> </ul>                                  | <ul style="list-style-type: none"> <li>Washing of planes</li> </ul>                                               | <ul style="list-style-type: none"> <li>Oil and grease</li> <li>Sediments</li> </ul>                    | <ul style="list-style-type: none"> <li>Quarterly Sweeping minimum</li> <li>Outfall protected by compost socks</li> <li>Dirt area stabilized with crushed rock and gravel</li> <li>Outfall has been protected with compost socks with a metal absorbing additive.</li> </ul>                                                                                                                                                                                            |
| Fueling Area | <ul style="list-style-type: none"> <li>Fueling of Planes</li> <li>Collection of waste oil</li> </ul> | <ul style="list-style-type: none"> <li>Oil and grease from vehicles.</li> <li>Waste oil collection bin</li> </ul> | <ul style="list-style-type: none"> <li>Oil and grease</li> <li>Avgas from fueling processes</li> </ul> | <ul style="list-style-type: none"> <li>Spill kits are readily available.</li> <li>Surface has been covered with asphalt to minimize erosion and sediment problems.</li> <li>Outfall has been protected with compost socks with a metal absorbing additive.</li> <li>Spills are cleaned with absorbents which are disposed of properly</li> <li>Quarterly sweeping minimum.</li> <li>Low spot reduces discharges allowing for more storm water infiltration.</li> </ul> |

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## 9.0 Inspections Overview

This section describes the inspections pertaining to storm water compliance issues. Refer to [Appendix D](#) for a complete list of inspections for the facility.

### 9.1 General Permit Required Inspections

Inspections are performed as required by the General Permit. Monthly visual observations are performed on days with no precipitation during regularly scheduled operating hours. Sampling and visual observations events are performed for every qualifying storm event (QSE) where discharge occurs from at least one drainage area, preceded by 48 hours of no discharge from any drainage area. If safe to do so in accordance with General Permit section XI.C.6.a.ii, during sampling (which must occur within four hours of start of QSE discharge, or within 12 hours if a discharge started before the start of regularly scheduled business hours) at every outfall with a discharge.

Monthly visual observations are documented on [Form 2](#) and kept on file in the City of Oakdale Public Works Department. Sampling event visual observations are documented on [Form 1](#) and kept on file in the office. More information regarding General Permit inspections can be found in the MIP.

The annual evaluation is performed (normally during the month of May) to visually inspect every storm drain, outfall, and drainage area, along with any activities that occur in those areas. This annual evaluation is documented on [Form 3](#) and kept on file in the facility office. More information regarding the annual evaluation can be found in [Section 10.0](#).

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## **10.0 Annual Comprehensive Facility Compliance Evaluation (Annual Evaluation)**

During the month of May or June, an annual evaluation is performed at The Oakdale Airport, in conjunction with preparation of the annual report. This comprehensive evaluation consists of the following items:

### **10.1 Review of Observation and Inspection Records and Analytical Data**

The storm water and non-storm water observation records, analytical data, and the annual facility inspection record (conducted during the previous reporting year) are reviewed and evaluated. The analytical data is evaluated by looking at historical trends. The current year's analytical data is compared to the NAL exceedance chart (General Permit, Table 2) to evaluate the effectiveness of the BMPs. The analytical data is also compared with the observation records in an attempt to find clues and identify possible causes for results that are out of the "NAL levels" range.

### **10.2 Visual Inspection of Potential Pollutant Sources and the Drainage System**

During the annual evaluation, a facility inspection is performed. All storm water drainage systems and outfalls are inspected for non-storm water discharges and for signs of contaminated discharge. Activities occurring in storm water drainage areas are inspected for potential pollutant sources. The inspection also reviews all drainage areas previously identified as having no exposure to industrial activities and materials. A record of the inspection findings is prepared ([Form 3](#)), and any items needing attention are incorporated into the storm water corrective action record for follow-up.

### **10.3 Review and Evaluation of the BMPs**

During the facility inspection, the existing BMPs are inspected to ensure they are being properly implemented and achieving their intended purpose. The BMPs are evaluated for effectiveness based on the field inspection, discharge observation records, and analytical results. Areas with no BMPs and areas with existing BMPs are reviewed and analyzed for the need for initial or additional BMPs, respectively.

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## 11.0 Annual Report

The results of the annual evaluation are included, as required, in the annual report. The annual report deadline is July 15 of each year and is to be certified and submitted online via SMARTS. The annual report is to be kept on file for at least five (5) years.

The Oakdale Airport facility must include the following items in the Annual Report:

- A compliance checklist that indicated whether the Oakdale Airport complies with and has addressed all applicable requirements in the General Permit;
- An explanation for any non-compliance with requirements within the reporting year, as indicated in the compliance checklist;
- An identification, including page numbers and/or sections, of all revisions made to the SWPPP within the reporting year; and
- The date(s) of the annual evaluation.

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## 12.0 Exceedance Response Actions (ERAs)

The Oakdale Airport uses sampling data to evaluate whether one or both types of numeric action level (NAL) exceedances have occurred.

- An annual NAL exceedance occurs when the average of all sampling results within a reporting year for a single parameter (except pH) exceeds the applicable annual NAL.
- An instantaneous maximum NAL exceedance occurs when two (2) or more analytical results from samples taken of pH (outside the 6.0 to 9.0 pH units), total suspended solids or oil and grease exceed the instantaneous maximum NAL value within a reporting year.

ERAs in response to NAL exceedances correspond with varying status levels, according to degree of exceedance. Each parameter maintains a separate status depending on the levels of that parameter determined by sampling results. For example, the total suspended solids parameter can still have Baseline status while the oil & grease parameter is at Level 1 status.

The NAL exceedance values for various parameters can be found in Table 2 of the General Permit.

### 12.1 Baseline Status

At the beginning of Notice of Intent (NOI) coverage, all dischargers have a Baseline (*i.e.* acceptable) status for all parameters. The analysis of sampled data determines whether the facility stays at Baseline status or moves to Level 1 status. The analysis of sampled data, among other requirements, during Level 1 status determines whether the facility returns to Baseline status, stays at Level 1 status, or moves to Level 2 status.

### 12.2 Level 1 Status

If the sampling results for any one parameter surpasses the NAL exceedance level (General Permit, Table 2), a facility's baseline status for that parameter will change to Level 1 status. This new status will take effect on the first day of the next reporting year (July 1) after the year when the exceedance occurred.

#### 12.2.1 Level 1 ERA Evaluation

On October 1 of the year during which Level 1 status begins for any parameter with a NAL exceedance, a facility must:

- Complete an evaluation, with the assistance of a facility designated QISP, of the industrial pollutant sources at the facility that are or may be related to the NAL exceedance(s); and
- Identify in the evaluation the corresponding BMPs in the SWPPP and any additional BMPs and SWPPP revisions necessary to prevent future NAL exceedances and to comply with the requirements of the General Permit. Although the evaluation may focus on the drainage areas where the NAL exceedance(s) occurred, all drainage areas must be evaluated.

### 12.2.2 Level 1 ERA Response

As of July 1, 2016, the Oakdale Municipal Airport (Oakdale Airport) had an Annual NAL exceedance for Zinc (Zn). A site inspection of all drainage areas was conducted by a QISP on April 5, 2017, and concluded that there were no advanced BMP deficiencies.

However, there was a deficiency noted for the erosion & sediment controls (a minimum BMP) which potentially contributed to elevated zinc in storm water discharges. The QISP noted that discharge reduction BMPs need to be put into place upstream from the outfall to provide more filtering, infiltration, and settling time to help reduce metals in the storm water discharges.

Based on the pollutant source evaluation and evaluation of existing BMPs implemented at the site, the following additional BMPs or improvements to existing BMPs where be implemented to control pollutants generated from on-site industrial activities. A revision to the facility SWPPP will be performed to reflect the additional BMPs identified below.

| Parameter Exceeded | Additional BMP(s) Implemented to Address Exceedance                                                                                                                                                                                                                                                                                                                                                                                      | Date Implemented or Scheduled for Implementation | Section of SWPPP Revision                           |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|
| Total Zinc (Zn)    | 1. As a result of the April 5, 2017, Annual Evaluation it was determined that a representative storm water sample could be collected from one point of discharge which is located at the northeast corner of the property near the exit gate. As of the 2017-18 storm water monitoring year, all storm water analytical samples are going to be collected at the northeast corner of the property near the exit gate point of discharge. | July 1, 2017                                     | MIP Section 2.0, Figure 2, Appendix B, & Appendix G |

| Parameter Exceeded | Additional BMP(s) Implemented to Address Exceedance                                                                                                                  | Date Implemented or Scheduled for Implementation | Section of SWPPP Revision |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------|
|                    | 2. A compost socks with metal adsorbing material will be placed at the revised outfall to filter out Zinc.                                                           | January 31, 2018* <sup>‡</sup>                   | Section 8.2.4             |
|                    | 3. The Airport will add a swale with check dams to provide more filtering, infiltration, and settling time in order to help reduce metals in storm water discharges. | January 31, 2018* <sup>‡</sup>                   | Section 8.2.2             |

\* See note in Section 4.1 of this Level 1 Technical Report

<sup>‡</sup> While the Oakdale Airport believes the most likely sources of zinc in its storm water discharges is coming from the galvanized plane hangars, in an effort to help improve storm water discharge quality the Oakdale Airport is adding this BMP in accordance with General Permit Section I.D.32.

The Level 1 Report was completed and submitted to the Storm Water Multiple Applications and Report Tracking System (SMARTS) on December 29, 2017.

### 12.2.3 Level 1 Return to Baseline Status

A facility with parameters at Level 1 status will return to Baseline status for that Level 1 parameter if:

- A Level 1 ERA report had been completed with all identified additional BMPs having been implemented.
- Sampling analytical results of the Level 1 parameters from four (4) consecutive QSEs that were sampled subsequent to the Level 1 ERA report BMP implementation indicate no additional NAL exceedances.

### 12.3 Level 2 Status

If a facility reaches Level 1 status for any parameter, the status will change to Level 2 if sampling results indicate an NAL exceedance (General Permit, Table 2) for that same parameter. Level 2 status will commence on July 1 following the reporting year during which the NAL exceedance(s) occurred.

### **12.3.1 Level 2 ERA Action Plan**

If Level 2 status is reached, a facility must certify and submit, via SMARTS, a Level 2 ERA Action Plan prepared by a facility designated QISP that addresses each new Level 2 NAL exceedance. This must be completed by January 1 following the reporting year during which the NAL exceedance(s) occurred.

For each new Level 2 NAL exceedance, the Level 2 Action Plan will identify which Level 2 ERA Technical Report demonstration the facility has selected to perform as an evaluation. See SWPPP section **12.3.2** for the list of technical reports demonstrations

All elements of the Level 2 ERA Action Plan shall be implemented as soon as practicable and completed no later than one year after submitting the Level 2 ERA Action Plan. The Level 2 ERA Action Plan shall include a schedule and a detailed description of the tasks required to complete a facility's selected demonstration.

### **12.3.2 Level 2 ERA Action Plan Response**

During the 2017-2018 storm water season, the Oakdale Airport collected and analyzed storm water samples from two Qualifying Storm Events. Laboratory test results indicated NAL exceedances for zinc. As a result, the Oakdale Airport moved from a Level 1 status to a Level 2 status effective July 1, 2018. The new status requires the Oakdale Airport to submit a Level 2 ERA Action Plan to the state water board by January 1, 2019.

The QISP concluded that there was no evidence of fuel or lubricant leaks or spills in the fueling area. There are no other industrial activities in the drainage area to that would account as a source(s) of zinc. Therefore, based on the inspection of the drainage area, the most likely sources of zinc are the galvanized plane hangars.

For the 2018 – 2019 storm water season, the QISP recommended that pollutant sources water samples from selected galvanized hanger buildings be taken to confirm the presence of zinc in the water from these structures. In conjunction, swab samples were also recommended to be taken from the galvanized surfaces to confirm the presence of zinc from the structure's materials.

The Oakdale Airport considered the feasibility of and installed the following additional BMPs for their Level 2 Action Plan. Refer to the Level 2 ERA Action Plan posted to the SMARTS system for further details of the implementation.

- Vegetated swale with check dams, and
- Additional compost socks

By January 1, 2020, the Oakdale Airport will certify and submit a Level 2 ERA Technical Report, prepared by a QISP, which will contain the appropriate demonstration(s) and pollutant source testing as listed in Industrial General Permit Section XII.D.2.a-c.

### **12.3.3 Level 2 ERA Technical Report**

On January 1 of the reporting year following the submittal of the Level 2 ERA Action Plan, a facility must certify and submit, via SMARTS, a Level 2 ERA Technical Report (along with

the annual report). This document is to be prepared by a facility designated QISP, and must include one or more of the following demonstrations:

- Industrial activity BMPs demonstration.
- Non-industrial pollutant source demonstration; or
- Natural Background Pollutant Source Demonstration.

Level 2 ERA Technical Reports are updated annually based upon various changes. If no changes have occurred, a facility will provide a certification in the Annual Report stating that no warranted re-submittal of the Level 2 ERA Technical Report.

#### **12.3.4 Level 2 Technical Report Response**

On December 20<sup>th</sup>, 2019 City of Oakdale Municipal Airport submitted on SMARTS an Technical Report proposing a “**Non-Industrial Pollutant Source Demonstration**” as outlined in General Permit Section XII.D.2.b.

In response to the level 2 status for zinc, Oakdale Airport conducted a pollutant source investigation to determine the source of exceedance. From this investigation it was determined that the cause of level 2 status for zinc was due to storm water coming into contact with the galvanized hangars on site and not by previous or current industrial activities being conducted on site. Oakdale Airport is still maintaining and implementing all BMPs and will potentially consider incorporating BMPs in the future to help reduce zinc running off from the galvanized hangars.

#### **12.3.5 Level 2 Return to Baseline Status**

A facility with parameters at Level 2 status will return to Baseline status for that Level 2 parameter if:

1. It submits an industrial activity BMPs demonstration which:
  - Includes a description of the industrial pollutant sources and corresponding industrial pollutants that are or may be related to the NAL exceedance(s);
  - Includes an evaluation of all pollutant sources associated with industrial activity that are or may be related to the NAL exceedance(s);
  - Where all of a facility’s implemented BMPs, including additional BMPs identified in the Level 2 ERA Action Plan, achieve compliance with the effluent limitations of the General Permit and are expected to eliminate future NAL exceedance(s); and
  - A facility shall provide a description and analysis of all implemented BMPs;
2. If results from four (4) subsequent consecutive QSEs sampled indicate no additional NAL exceedance(s) for the Level 2 parameter(s).

If future NAL exceedances occur for parameter(s) at Baseline status that were previously Level 2 status parameter(s), a facility's Baseline status for that parameter will return to Level 2 status on July 1 in the subsequent reporting year during which the NAL exceedance(s) occurred and the facility will have to update the Level 2 ERA Technical Report as required above in General Permit section XII.D.3.c.

#### **12.3.6 Level 2 Return to Baseline Status Ineligibility**

Facilities are not eligible to return to baseline status if they submit any of the following:

1. An industrial activity BMP demonstration which achieves General Permit compliance with the effluent limitations but are not expected to eliminate future NAL exceedance(s);
2. A non-industrial pollutant source demonstration; or,
3. A natural background pollutant source demonstration.

#### **12.3.7 Level 2 ERA Implementation Extension**

Facilities that need additional time to submit the Level 2 ERA Technical Report shall be automatically granted a single time extension for up to six (6) months if requested via SMARTS in accordance with General Permit section VII.D.5.a. Requests for extensions that are more than six (6) months are not automatically granted but must be approved in writing by the SWRCB or RWQCB. Approved requested extensions of more than six (6) months are subject to revision or added compliance requirements by the SWRCB or RWQCB.

### 13.0 Statewide Compliance Options

On November 6, 2018, the State Water Board approved amendments (Amendment Order # Order 2015-0122-DWQ) to the General Permit (Order 2014-0057-DWQ) to be effective as of July 1, 2020. The amendments incorporated the following requirements:

- Federal Sufficiently Sensitive Test Method Ruling (see SWPPP Section 7.1.1);
- Total Maximum Daily Load (TMDL) Implementation Requirements (see SWPPP Section 7.1.2); and,
- Statewide Compliance Options incentivizing on-site or regional storm water capture and use as outlined in General Permit Attachment I.

The 2018 amendments offer two additional capture and use compliance options:

1. The onsite compliance option which involves onsite storage and infiltration with no ground water impacts;<sup>4</sup> or
2. The offsite compliance option where a facility can come to an agreement or agreements with the local municipality or municipalities to “participate in the development, implementation, and operation of an off-site storm water capture and infiltration BMP.”<sup>5</sup>

A facility in compliance with either the onsite compliance option or the offsite compliance option and have the compliance option BMPs implemented and operational, as well as all being in compliance with all applicable requirements of the General Permit will be in compliance with the following sections of this General Permit:

1. Discharge Prohibitions, Section III.C;
2. Effluent Limitations, Section V.C; and
3. Receiving Water Limitations, Section VI.<sup>6</sup>

Both onsite and offsite compliance options have specific design standards that need to be met.<sup>7</sup>

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<sup>4</sup> see Amended General Permit (Order# 2014-0057-DWQ) Appendix I, Section II

<sup>5</sup> see Amended General Permit (Order# 2014-0057-DWQ) Appendix I, Section III

<sup>6</sup> see Amended General Permit (Order# 2014-0057-DWQ) Appendix I, Section I.C

<sup>7</sup> see Amended General Permit (Order# 2014-0057-DWQ) Appendix I, Sections II.C and III.A

## **13.1 Onsite Compliance Option**

### **13.1.1 Onsite Compliance Option Requirements**

The onsite compliance option allows facilities to install on-site BMP or BMPs that:

1. Capture and use, infiltrate into the ground, and/or through the process of evapotranspiration<sup>8</sup> industrial storm water, and authorized non-storm water discharges (NSWDs);<sup>9</sup>
2. Capture and direct required storm water runoff volumes/rates<sup>10</sup> to:
  - A. A publicly owned sanitary sewer treatment facility.
  - B. An on-site facility for on-site use; and/or
  - C. A regional reclaimed water distribution system, or a combination of the two.
3. The facility will need written authorization from the publicly owned sanitary sewer treatment facility or the regional reclaimed water distribution system agency that specifically allows the runoff volume flow rates.
4. The captured and directed storm water and NSWDs are not authorized to discharge into a municipal storm sewer system or receiving surface water body from the industrial facility.
5. A California licensed civil engineer shall properly certify that all hydrologic analyses, hydraulic calculations and BMPs operational parameters comply with General Permit Attachment I, Section II.E and Attachment I Section IV.B.
6. The facility must ensure that groundwater is protected, as described in General Permit Attachment I Sections IV.B and Attachment I IV.C.

#### **13.1.1.1 BMP Requirements**

The BMP or BMPs installed by the facility need to:

1. Maintain the effective capacity to capture, infiltrate and/or evapotranspire the volume of runoff produced up to and during the 85th percentile 24-hour storm event based upon local, historical precipitation data and records.
2. Be designed to capture, capture and direct, infiltrate, and/or evapotranspire drainage from all areas associated with industrial activity at the facility for only the following water sources.

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<sup>8</sup> Evapotranspiration is the process of transferring moisture from the ground into the atmosphere by evaporation of water in combination with transpiration (evaporation of water from plants)

<sup>9</sup> see General Permit Attachment I. Section II

<sup>10</sup> see General Permit Attachment I. Section II.E.1-2

- A. Authorized sources listed in General Permit Section IV.
- B. Industrial storm water; and
- C. Non-industrial storm water run-on that commingles with the industrial storm water flowing into the BMP or BMPs.

#### **13.1.1.2 Onsite Compliance Option Additional Requirements**

The BMP or BMPs must:

1. Be designed by a California licensed civil engineer with a 24-hour drawdown time or with additional storage volume beyond the compliance storm standard to offset longer drawdown time<sup>11</sup>.
2. The facility is responsible with implementing measures to ensure the design standards for the life of the BMP or BMPs are maintained, and as appropriate, include reliability and safety factor calculations.
3. Should a facility install infiltration BMP or BMPs, the BMP or BMPs design needs to include, if feasible, a shutoff mechanism (e.g., a valve that diverts discharge from entering the BMP or BMPs).
4. Should a facility install infiltration BMP or BMPs, the BMP or BMPs shall address possible groundwater contamination from the BMP or BMPs operation by using one or more of the following methods:
  - A. The facility needs to ensure that all storm water and authorized non-storm water (influent) entering the infiltration BMP or BMPs meets applicable Maximum Contaminant Level (MCL) criteria for industrial pollutants at the facility, as specified in General Permit [Attachment I, Table A](#)<sup>1213</sup>. If the influent concentrations do not meet applicable MCLs, the facility will have to have a California licensed civil engineer:
4. Recommend and oversee the installation of the necessary pretreatment controls during the design of the infiltration BMP or BMPs to ensure all the pollutants associated with industrial activities in the influent of the infiltration BMP or BMPs meet MCL criteria and include maintenance of all pretreatment controls in the operation and maintenance plan required in General Permit Attachment I, Section II.H.3.a.ii; or
5. Install monitoring devices (including, but not limited to, lysimeters) to collect monthly samples of the infiltrated water below the infiltration BMP or BMPs to demonstrate compliance with MCLs for pollutants associated with industrial activities

<sup>11</sup> see Attachment I, Section II.E.3 Footnote#5

<sup>12</sup> see Attachment I, Section II.E.6 Table A

<sup>13</sup> If the applicable RWQCB's Basin Plan contains different water quality objectives for groundwater, the Basin Plan water quality objectives will supersede as the pretreatment limit. see Attachment I, Section II.F.1 Footnote#11

in the influent of the infiltration BMP or BMPs. The facility will need to maintain proper calibration of the installed monitoring device or devices. The monthly samples are only required when feasible sampling conditions exist (including, but not limited to, enough moisture in the monitoring device to collect a sample). When monthly samples are not collected, the facility must document the above information in an attachment to the Annual Report and update the SWPPP if necessary.

- B. The facility shall implement 4.A.a or 4.A.b above for applicable Attachment I, Table B constituents identified per the requirements in General Permit Attachment I, Section IV.
- C. A facility installing and operating storm water capture and infiltration dry wells<sup>14</sup> will need to comply with the requirements in Section 4.A.a above and are not eligible to install monitoring devices in place of the pretreatment requirements.
- D. For influent not meeting MCLs, the facility will need to pretreat the infiltration BMP or BMPs influent<sup>15</sup> to comply with the State Water Board's Division of Drinking Water MCLs referenced in General Permit Attachment I, Table A.

**Figure 13.1.1.2**

**Table A: Applicable Constituents with Primary or Secondary MCLs**

| Parameter Category                                                                                                                                                                                                                                                 | MCL Criteria for Industrial Pollutant Pretreatment <sup>11</sup>                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary MCLs: <ul style="list-style-type: none"> <li>• Primary MCLs: Inorganics</li> <li>• Primary MCLs: Volatile Organic Carbon (VOCs)</li> <li>• Primary MCLs: Synthetic Organic Contaminants (SOCs)</li> <li>• Primary MCLs: Disinfection Byproducts</li> </ul> | see the "California Drinking Water-Related Laws" webpage ( <a href="https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Lawbook.html">https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Lawbook.html</a> ) |
| Secondary MCLs: Total Dissolved Solids                                                                                                                                                                                                                             | Pollutants associated with industrial activities in the influent of the infiltration BMP(s) shall not exceed 500 mg/L.                                                                                                                       |
| Secondary MCLs: Chloride                                                                                                                                                                                                                                           | Pollutants associated with industrial activities in the influent of the infiltration BMP(s) shall not exceed 250 mg/L.                                                                                                                       |
| Secondary MCLs: Specific Conductance                                                                                                                                                                                                                               | Pollutants associated with industrial activities in the influent of the infiltration BMP(s) shall not exceed 900 uS/cm.                                                                                                                      |

<sup>14</sup> see Attachment I, Section II.E.6 Footnote #'s 8 & 9

<sup>15</sup> see Attachment I, Section II.E.6 Footnote #'s 10

**Table A: Applicable Constituents with Primary or Secondary MCLs**

| <b>Parameter Category</b>  | <b>MCL Criteria for Industrial Pollutant Pretreatment<sup>11</sup></b>                                                 |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Secondary MCLs for Sulfate | Pollutants associated with industrial activities in the influent of the infiltration BMP(s) shall not exceed 250 mg/L. |

\* If the applicable Regional Water Board's Basin Plan contains different water quality objectives for groundwater, the Basin Plan water quality objectives supersede as a pretreatment limit.

### **13.1.2 Onsite Compliance Option Implementation Schedule**

#### **13.1.2.1 Baseline Status**

A facility with Baseline Status for all pollutants July 1, 2020, or on July 1 of the monitoring and reporting year intending to implement the on-site compliance option will need to notify the SWRCB or the RWQCB (Water Boards) via SMARTS no later than three (3) months prior to the estimated date of the BMP or BMPs installation and operation or prior to obtaining applicable local approvals for the BMP or BMPs, whichever comes first. The facility shall submit the required implementation information and schedule in the facility's SWPPP in accordance with General Permit Attachment I, Section II.H.3.

#### **13.1.2.2 Level 1 Status**

A facility with Level 1 Status as of July 1, 2020, or on July 1 of the monitoring and reporting year intending to implement the on-site compliance option must submit the implementation information required in General Permit Attachment I, Section II in their Level 1 ERA Evaluation and Report, per the required schedule in General Permit Section XII.C or prior to obtaining applicable local approvals for the BMP or BMPs, whichever comes first.

#### **13.1.2.3 Level 2 Status**

A facility with Level 2 Status as of July 1, 2020, or on July 1 of the reporting year intending to implement the on-site compliance option must submit the implementation information required in General Permit Attachment I, Section II in their Level 2 ERA Action Plan and Technical Report per the schedule in General Permit Section XII.D prior to obtaining applicable local approvals for the BMP or BMPs, whichever comes first.

Once the on-site compliance option BMP or BMPs and requirements outlined in General Permit Attachment I are implemented and operational, Baseline status, Level 1 status, and Level 2 status will no longer be applicable.

### **13.1.3 Design Reporting Requirements**

A facility complying with the on-site compliance option will need to submit the following information on SMARTS (7) seven days prior to the initial operation of the BMP or BMPs:

1. Type of BMP or BMPs being implemented.
2. A map with the BMP or BMPs location.
3. BMP or BMPs latitude and longitude.

4. Bypass mechanisms for the discharged volume that is above and beyond the 85th percentile, 24hour storm, into a local municipal storm system or receiving surface water body; and,
5. Description of pretreatment system used for infiltration BMP or BMPs.

### **13.1.4 Monitoring and Reporting Requirements**

#### **13.1.4.1 On-Site Compliance Option Monitoring Requirements**

The facility shall:

1. Conduct representative sampling and analysis of all discharges from the BMP or BMPs in compliance with General Permit Sections XI.B.5-11, C.2, and C.6 and General Permit Attachment H with the exception of comparing monitoring results to NALs in Section XI.B.7.
2. Submit all sampling and analysis information and results in SMARTS within 30 days after obtaining the information and results to determine the effectiveness of the compliance option and not for enforcement of water quality standards.
3. Comply with General Permit Sections XI.A, XI.C, and XXI.J.
4. Conduct representative sampling and analysis of the influent entering the infiltration BMP or BMPs in compliance with General Permit Sections XI.B.5-11, XI.C.2, XI.C.6, and Attachment H with the exception of comparing monitoring results to NALs in General Permit Section XI.B.7. facilities shall, at a minimum, collect and analyze samples of influent entering the infiltration BMP or BMPs two times within the first half of the monitoring and reporting year (July 1 – December 31) and two times within the second half of the monitoring and reporting year (January 1 – June 30).

#### **13.1.4.2 Required Analytical Sampling Submittal Information**

A facility complying with the on-site compliance option must submit the following sampling information in SMARTS within 30 days after obtaining the analytical laboratory sampling results:

1. Monitoring (sampling and analysis) results for the infiltrated water, if applicable.
2. Monitoring (sampling and analysis) results of influent entering the BMP or BMPs.
3. The size of each rain event, in inches of rain per hour, that discharges from the BMP or BMPs:
4. The estimated volume of the corresponding discharge; and,
5. The date and estimated start and end time of all discharges.

#### **13.1.4.3 SWPPP Requirements**

A facility complying with the on-site compliance option shall update their SWPPP with the following documentation:

1. Description and photographs of the facility specific on-site BMP or BMPs.
2. Operation and maintenance plan certified by the California licensed civil engineer that includes, but is not limited to, the following items: 1) inspection frequency; 2) titles of personnel authorized to conduct the BMP or BMPs inspections; 3) maintenance procedures for BMP or BMPs and installed pretreatment; and, 4) a maintenance schedule;
3. BMP or BMPs safety factor and reliability calculations required in General Permit Attachment I, Section II.E.3.
4. Certification required in General Permit Attachment I, Section II.C provided by the California licensed civil engineer; and,
5. Applicable information on any preexisting contamination in the soil or groundwater for any industrial or non-industrial pollutants at the facility that may be discharged or mobilized through infiltration to meet the protections in General Permit Attachment I, Section IV.

The updated SWPPP shall be available at the facility and submitted on SMARTS 7 days prior to the initial operation of the BMP or BMPs. Also, the SWPPP at a minimum, needs to include the BMP or BMPs design information from General Permit Attachment I, Section II.E and the design information for any installed pretreatment systems/devices.

#### **13.1.5 General Permit Exemptions for installed On-Site Compliance Option**

A facility with BMP or BMPs implemented and operating in compliance with the on-site compliance option are exempt from the following provisions of the General Permit:

1. Section VIII.A Discharges to Ocean Waters.
2. Section IX Training Qualifications, requirement to obtain a QISP.
3. Section X.A.7, X.H.2. Implementation of Advanced BMPs.
4. Section X.H.6 Design Storm Standards for Treatment Control BMPs; and,
5. Section XII Exceedance Response Actions.

#### **13.1.6 RWQCB Authorities for On-Site Compliance Option**

6. The applicable RWQCB Executive Officer has the authority to review site-specific information and disapprove any on-site infiltration BMP or BMPs as a permissible compliance option for a facility to address groundwater concerns under their RWQCB's jurisdictions.

7. The RWQCB Executive Officer may require a facility to modify the facility's SWPPP to demonstrate compliance with the on-site compliance option or address other regional groundwater concerns. Upon written request of the RWQCB Executive Officer, a facility must submit the required SWPPP modifications by the required due date, or no later than 90 days, whichever is shortest.
8. The RWQCB may require additional information or modifications to the facility's SWPPP and/or BMP or BMPs to address:
  - A. Exceedances of applicable water quality objectives.
  - B. Impacts to groundwater beneficial uses; or,
  - C. Impacts to the groundwater quality due to the infiltration of the industrial authorized NSWDS and/or storm water discharges at the facility.
9. The SWQCB Executive Director or the applicable RWQCB Executive Officer may authorize the discontinuation of monitoring for the infiltrated water if no threat to groundwater is determined

## **13.2 Off-Site Compliance Option**

### **13.2.1 Off-Site Compliance Option Requirements**

A facility may enter into a local agreement with the local jurisdiction or jurisdictions to participate in the development, implementation, and operation of an off-site storm water capture and/or infiltration BMP or BMPs (off-site BMP or BMPs) provided the following criteria are met:

1. The off-site BMP must maintain the effective capacity to capture, capture and divert, infiltrate and/or evapotranspire the volume of runoff produced up to and during the 85th percentile 24-hour rain event based upon precipitation data from the National Oceanic and Atmospheric Administration and/or local, historical precipitation data and records; and
2. The authorized non-storm water and industrial storm water must not discharge to a water of the United States or a water of the state prior to reaching the off-site BMP or BMPs.
3. A facility shall work with the local jurisdiction or jurisdictions to define participation in the development, implementation, and operation of the off-site BMP or BMPs.
4. A facility and local jurisdiction shall ensure the agreement includes applicable protections for waters of the state for infiltration BMPs to demonstrate meeting the criteria in General Permit Attachment I, Section IV.
5. The applicable RWQCB Executive Officer and local jurisdiction or jurisdictions representatives shall approve the Facility's participation in the off-site compliance option. The applicable RWQCB shall provide at least a thirty (30) day public notice to obtain written comments prior to the approval of the off-site compliance option.
6. A facility may enter into a local agreement with another facility or facilities to participate in the development, implementation, and operation of an off-site BMP provided the criteria in General Permit Attachment I, Section III.A.1-2 are met. The agreement between facilities shall 1) include equal responsibility of the off-site BMP or BMPs among all parties involved, 2) not involve discharges to a municipal separate storm sewer systems (MS4), and 3) be approved by the applicable RWQCB Executive Officer.

### **13.2.2 General Permit Exemptions for installed Off-Site Compliance Option**

A facility participating in an approved local agreement and discharging into an off-site BMP or BMPs and in compliance with the off-site compliance option requirements in General Permit Attachment I are exempt from the following provisions and requirements of the General Permit:

1. Section VIII.A Discharges to Ocean Waters.
2. Section IX Training Qualifications, the requirement to obtain a QISP.

3. Section X.A.7, X.H.2. Implementation of Advanced BMPs.
4. Section X.H.6 Design Storm Standards for Treatment Control BMPs.
5. Section X.I.3-5 Monitoring Implementation Plan.
6. Section XI.A.2 Sampling Event Visual Observations
7. Section XI.B Sampling and Analysis; and,
8. Section XII Exceedance Response Actions.

### **13.2.3 RWQCB Authorities for Off-Site Compliance Option**

The RWQCB Executive Officer has the authority to address regional groundwater concerns related to a Facility's use of an off-site BMP or BMPs as a permissible compliance option through a review of site-specific information.

### **13.2.4 Off-Site Compliance Option Monitoring and Reporting Requirements**

A facility selecting the off-site compliance option shall:

1. Comply with General Permit Section XXI.J or any off-site agreement-related monitoring and record retention requirements.
2. Update the facility's SWPPP to include:
  - A. A copy of the facility's agreement with the local jurisdiction or jurisdictions.
  - B. A copy of the facility's agreement approval from the local jurisdiction.
  - C. A copy of the facility's agreement approval from the RWQCB Executive Officer.
  - D. Information on, and description of, the actions the facility must take during the development, implementation, and operation of the off-site BMP or BMPs, as established in the approved agreement, that allows the facility's storm water discharge to enter an off-site BMP or BMPs.
  - E. A milestone schedule that demonstrates compliance with the criteria in General Permit Attachment I, Section III.A-C in accordance with the due dates in General Permit Attachment I, Section III.H.3; and
  - F. A copy of the operation and maintenance plan or plans for the off-site BMP or BMPs that receives the facility's discharge.
  - G. The updated SWPPP shall be available at the facility and submitted on SMARTS 7 days prior to the initial operation of the BMP or BMPs.

#### **13.2.4.1 Annual Reporting Requirements**

A facility participating in the off-site compliance option shall submit and certify via SMARTS the following information as an attachment to the Annual Report to document the status of the local agreement project or projects and implementation progress:

1. Proof that participation in the local agreement is still valid (e.g., verify agreement effective period).
2. Identification of the local jurisdiction or jurisdictions that are part of the agreement including a contact name, title, email, and phone number of the local representative.
3. Summary of actions (including, but not limited to, monitoring, structural BMPs, non-structural BMPs, training) the facility completed the past monitoring and reporting year (see General Permit Section XI.B.2-3).
4. Summary of actions (including, but not limited to, monitoring, structural BMPs, non-structural BMPs, training) the facility planned for implementation over the next two years to comply with the agreement with the local jurisdiction.
5. The status and schedule of the local agreement project or projects completed this monitoring and reporting year.
6. The status and schedule of the local agreement project or projects planned for implementation over the next two years; and,
7. A status and schedule implementation update regarding the facility's required actions per the local agreement.

### **13.3 Protection of Waters of the State**

#### **13.3.1 Prohibited Discharges for Installed Compliance Options:**

1. Water related to the cleaning and maintenance of the BMP is an unauthorized NSWD; and,
2. Storm water associated with industrial activities occurring below the 85th percentile 24-hour storm event and/or sources of non-storm water authorized by this General Permit in Section IV.

#### **13.3.2 Migration of Pollutants into Groundwater**

The migration of pollutants that cause or contribute to the exceedance of a water quality objective in groundwater is prohibited. A facility shall ensure infiltration BMP or BMPs implemented for compliance with a compliance option shall be designed and operated to:

1. Prevent captured and/or infiltrated storm water from causing or contributing to the exceedance of a water quality objective in groundwater.

2. Prevent the constituents in Attachment I, Table B from causing a threat to the attainment of the groundwater's beneficial use(s) if identified and have the potential to discharge to groundwater.
3. Prevent the migration of existing soil contamination to groundwater and not interfere with any active remedial activities for existing groundwater contamination in the vicinity of the facility and/or off-site BMP or BMPs.
4. Address other similar factors which may degrade groundwater; and
5. For the on-site compliance option, include a determination of General Permit Attachment I, Section IV.B.1-4 in the certification required by the California licensed civil engineer in General Permit Attachment I, Section II.C.

### **13.3.3 Infiltration and Groundwater Protection**

The infiltration of industrial storm water and authorized non-storm water must meet the following requirements:

1. Infiltration BMPs must not cause or contribute to an exceedance of an applicable groundwater quality objective.
2. Infiltration BMPs used for compliance option implementation shall comply with applicable local municipal ordinances, storm water requirements, and design standards for the infiltration of industrial storm water and authorized non-storm water as listed in General Permit Section IV.
3. The minimum BMP requirements (General Permit Section X.H.1) shall be implemented to maximize pollution prevention and protection of receiving groundwater quality and beneficial uses; and
4. The soil through which infiltration occurs must have physical and chemical characteristics necessary to support infiltration rates and storm water treatment to meet the compliance storm standards in General Permit Attachment I.

**Figure 13.3.3**

**TABLE B: Pollutants/Constituents of Concern<sup>16</sup>**

|                                         |
|-----------------------------------------|
| 1,1-Dichloroethane (1,1-DCA)            |
| 1,1-Dichloroethylene (1,1-DCE)          |
| 1,2,3-Trichloropropane (1,2,3 TCP)      |
| 1,2-Dichloroethane (1,2-DCA)            |
| 1,4 Dioxane (as Dioxane)                |
| Arsenic                                 |
| Benzene                                 |
| Cadmium                                 |
| Carbon Tetrachloride *                  |
| Chromium, Total                         |
| cis-1,2-Dichloroethylene *              |
| Cyanide                                 |
| DBCP                                    |
| Di(2-ethylhexyl) phthalate (DEHP) *     |
| Fluoride                                |
| Lead                                    |
| Manganese                               |
| Methylene Chloride                      |
| Nickel                                  |
| Nitrite Plus Nitrate (as N)             |
| N-Nitrosodimethylamine (NDMA)           |
| Perchlorate *                           |
| Polychlorinated Biphenyls (PCBs)        |
| Polycyclic Aromatic Hydrocarbons (PAHs) |
| Tertiary Butyl Alcohol (TBA) *          |
| Tetrachloroethylene (PCE) *             |
| Total Trihalomethanes *                 |
| Trichloroethylene (TCE) *               |
| Triclosan *                             |
| Vanadium                                |
| Vinyl chloride                          |

\* Constituents currently without a 40 C.F.R. 136 approved test method. The Discharger may request approval from the appropriate RWQCB or the SWRCB to review and approve a proposed test method for sampling and analysis.

<sup>16</sup> Table found at the end of General Permit Attachment I

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## 14.0 Certification and Signature

“I 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 ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons that manage the system, or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

**Jeff Gravel**

\_\_\_\_\_  
(Print Name)

**Public Services Director**

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

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**Oakdale Municipal  
Airport**



***STORM WATER  
MONITORING  
IMPLEMENTATION PLAN***



**8191 Laughlin Rd  
Oakdale, CA 95361  
(209) 845-3600**

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# OAKDALE MUNICIPAL AIRPORT

## Oakdale, CA

### MIP REVISIONS

| Revision No. | Date       | Revised By                                    | Reason for Revision                                                                                                       | Sections Revised                                              |
|--------------|------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 0            | June 2015  | John Teravskis<br>WGR<br>Southwest, Inc.      | Revised entire plan to meet the new IGP requirements                                                                      | All sections were revised                                     |
| 1            | 10/12/2016 | Aaron Ortiz<br>WGR<br>Southwest, Inc.         | Annual Evaluation and industrial activities update revisions                                                              | Pg. i, 1.0, 2.0, Figure 2.0 4.1, 4.1.A, 4.1.B                 |
| 2            | 07/26/2017 | Rebekah Teravskis<br>WGR Southwest, Inc.      | Annual Evaluation update and formatting                                                                                   | v, all formatting                                             |
| 4            | 10/13/2017 | Aaron Ortiz<br>WGR Southwest, Inc.            | Level 1 revisions.                                                                                                        | i, 2.0, 4.1, 4.1.A, 4.1.B                                     |
| 5            | 10/04/2018 | Aaron Ortiz<br>WGR Southwest, Inc.            | Annual Evaluation update, General formatting, personnel updates, sampling parameter list revision                         | pg. i, Section 4.1, 7.1, Table 4.1.B                          |
| 6            | 08/25/2019 | Bob Buckley<br>WGR Southwest, Inc.            | Annual Evaluation update and formatting                                                                                   | 1.0, 7.0                                                      |
| 7            | 09/03/2021 | Aaron Ortiz<br>WGR Southwest, Inc.            | Annual Evaluation update, General formatting, applied IGP amendments language                                             | pg. i, Section 1.0, Section 4.0                               |
| 8            | 8/20/2022  | Danny Aspiras<br>WGR<br>Southwest, Inc.       | Annual Evaluation Updates                                                                                                 | Section 1.0                                                   |
| 9            | 8/14/2024  | Gabriella Teravskis<br>WGR<br>Southwest, Inc. | SWPPP Updates and Amendments to IGP Language, new analytical laboratory, Regulatory contact update                        | Section 1.0, 4.0, 7.0                                         |
| 10           | 05/09/2025 | Aaron Ortiz<br>WGR Southwest, Inc.            | Annual Evaluation update, add additional applied refined language and updates to Section figures, revised business hours. | Page, i, Section 2.0, MIP Figure 2.0.A, MIP Figure 2.0.B, 3.2 |

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## 1.0 Introduction

This document presents the Storm Water Monitoring Implementation Plan (MIP) for the Oakdale Municipal Airport (The Oakdale Airport). This MIP was developed to meet the requirements given in **Section XI** of the State of California General National Pollutant Discharge Elimination System Permit for Discharge Order 2014-0057-DWQ amended by Order 2015-0122-DWQ and Order 2018-0028-DWQ (General Permit).

Oakdale Airport operates under Standard Industrial Classification (SIC) codes of 4522 for, “*Air Transportation, Nonscheduled*” and 4581 for, “*Airports, Flying Fields, and Airport Terminal Services.*” SIC codes 4522, and 4581 are both listed under Category #8 of Attachment A of the Industrial General Permit requiring permit coverage for vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. The General Permit states, “*Only those portions of the facility involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or other operation identified under this permit*”. The State Water Resources Control Board (SWRCB) issued The Oakdale Airport the waste discharge identification number (WDID No.) 5S50I005019.

The Oakdale Airport facility is located at 8191 Laughlin Rd outside the City of Oakdale, Stanislaus County, California. It is situated less than half a mile east of Highway 99, and about half a mile south of Highway 12. The facility is within the Central Valley Regional Water Quality Control Board (RWQCB). The Oakdale Airport discharges into the Oakdale Irrigation District and then to the Lower Stanislaus River.

Scheduled facility operating hours for the maintenance area is Monday through Thursday, 7:00 AM to 4:00 PM, excluding holidays.

Scheduled facility operating hours for the fuel pump area is 24/7 because it is a self-serve pump (usually not operated at night).

The objectives of this MIP are as follows:

- Aid in the implementation of the Storm Water Pollution Prevention Plan (SWPPP); and

The MIP requirements are designed to assist the Oakdale Airport facility in developing a comprehensive plan for the monitoring requirements in the General Permit and to assess their monitoring program. The MIP includes a description of visual observation procedures and locations, as well as sampling procedures, locations, and methods.

The MIP is prepared and enforced by the pollution prevention team. For more information regarding the pollution prevention team, see SWPPP [Section 3.1](#).

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## **2.0 Description of the Storm Water Discharge Outfall(s)**

Oakdale Airport has two industrial areas. The surface flow from these areas flow through non-industrial areas to the northeast where discharge occurs from airport property. The airport's point of discharge receives run-off from the wash pad area and Avgas fueling area. Industrial activities in the Avgas fueling area also includes waste oil collection with a storage bin and the use of a portable toilet. All surface flow leaving the Airport flows to the Oakdale Irrigation District and eventually to the Stanislaus River. The industrial areas of the Airport have no drains or subterranean conveyance systems.

### **Former Outfall 1 - Wash Pad**

During the Annual Comprehensive Facility Compliance Evaluation (Annual Evaluation) completed on April 5, 2017, an evaluation of the area determined that choosing a representative discharge location was difficult due to any discharge from the area being sheet flow with no fixed point of discharge. Runoff from the wash pad area will flow northeast where it will discharge from the north-east corner of the airport's property.

### **Former Outfall 2 - Fueling Area**

During the April 5, 2017 Annual Evaluation, review of staff observations found that during the 2016-17 storm water monitoring year and previous storm water monitoring years, due to the berm along the east side of the fueling area, storm water was observed flowing to a low spot southeast of the fueling area where it would infiltrate and evaporate and not discharge to the neighboring orchard from the southwest corner. It was determined that should the low spot reach a high enough level, it would eventually overflow north along the berm to the Airport property's north-east corner near the exit gate.

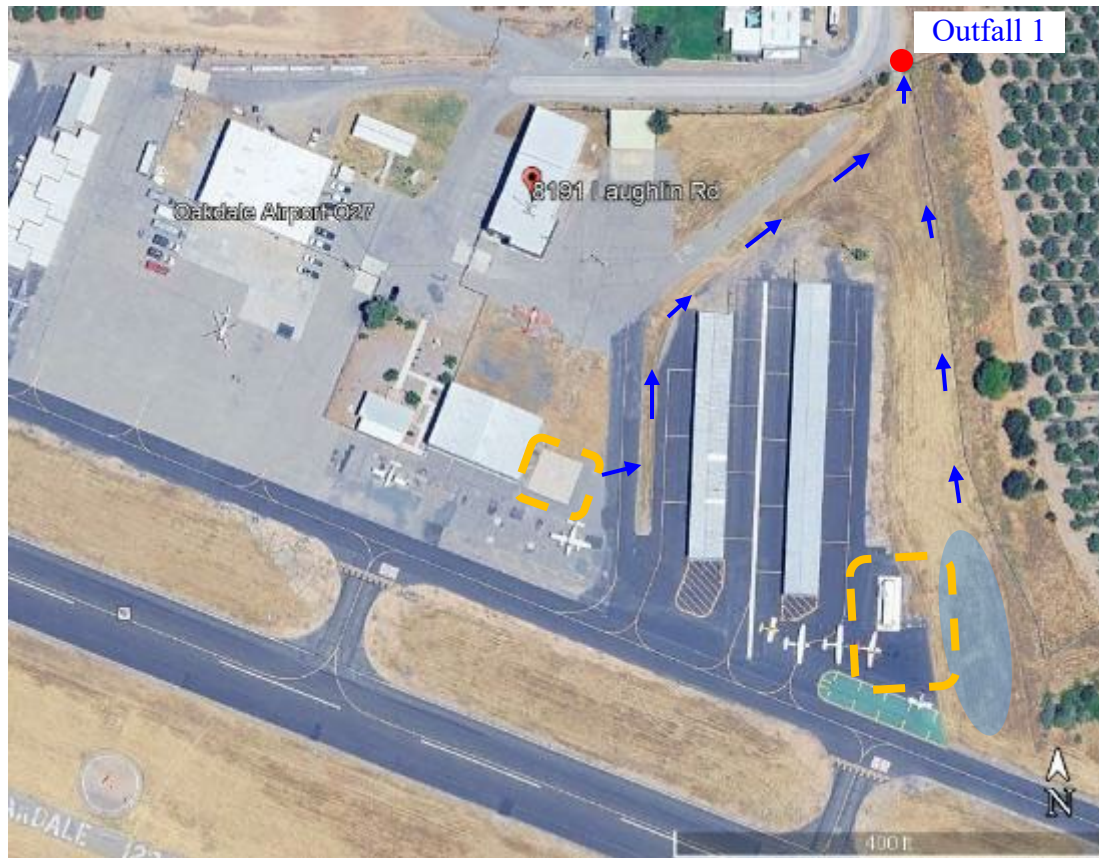
### **Current Outfall 1 – Representative Outfall**

As a result of the April 5, 2017 Annual Evaluation, it was determined that a representative storm water sample could be collected from the point of discharge located at the north-east corner of the property near the exit gate. As of the 2017-18 storm water monitoring year, all storm water analytical samples are going to be collected at the north-east corner of the property near the exit gate point of discharge.



**MIP Figure 2.0.A - Outfall 1**

**MIP Figure 2.0.B – Industrial Areas and Outfall**



**Map Legend**

-  Industrial Areas
-  Point of Discharge (Outfall 1)
-  Surface Flow

### 3.0 Monitoring Methods

The required elements of the MIP are:

- An identification of team members assigned to conduct the monitoring requirements;
- A description of the following in accordance with Attachment H of the General Permit:
  - Discharge locations.
  - Visual observation procedures; and,
  - Visual observation response procedures related to monthly visual observations and sampling event visual observations.
- Justifications for any of the following that are applicable to the facility:
  - Alternative discharge locations in accordance with Section XI.C.3 of the General Permit.
  - Representative Sampling Reduction in accordance with Section XI.C.4 of the General Permit.
  - Qualified Combined Samples in accordance with Section XI.C.5 of the General Permit.
- **Procedures for field instrument calibration instructions, including calibration intervals** specified by the manufacturer; and,
- An example Chain of Custody form used when handling and shipping water quality samples to the lab.

All visual observation records are maintained by The Oakdale Airport, including the date, approximate time, locations observed, presence and probable source of any observed pollutants, name of person(s) that conducted the observations, and any response actions and/or additional SWPPP revisions necessary. BMPs will be revised as necessary when the visual observations indicate pollutant sources have not been adequately addressed in the SWPPP.

#### 3.1 Monthly Visual Observations

At least once per calendar month, The Oakdale Airport will visually observe each drainage point for the following:

- The presence or indications of prior, current, or potential unauthorized NSWs and their sources.
- Authorized NSWs, sources, and associated BMPs to ensure compliance with SWPPP BMP purposes; and
- Outdoor industrial equipment and storage areas, outdoor industrial activities areas, BMPs, and all other potential source(s) of industrial pollutants.

The monthly visual observations shall be conducted during daylight hours of scheduled facility operating hours and on days without precipitation. These visual observations look

for any flows or puddles, stains, sludge, odors, or other abnormal conditions that would indicate a non-storm water discharge from the outfall. If there is an indication of a non-storm water discharge or an inadequate BMP, corrective action is taken to eliminate unauthorized non-storm water discharges and inadequate BMPs.

The observations for authorized and non-authorized non-storm water are recorded on [Form 2](#). Copies of the forms are located in [Appendix E](#). A copy of the observation data is included with the annual report and the original forms are kept on file as described in SWPPP [Section 11.0](#).

The Oakdale Airport must provide an explanation in the Annual Report for uncompleted monthly visual observations.

### **3.2 Sampling Event Visual Observations**

The General Permit requires observations of storm water discharges from the outfalls during a Qualifying Storm Event (QSE), where precipitation has produced a discharge for at least one drainage area. These observations must be made during daylight scheduled facility operating hours and must be preceded by 48 hours of no discharge from any drainage area. (Scheduled facility operating hours for the maintenance area is Monday through Thursday, 7:00 AM to 4:30 PM, excluding holidays.)

Visual observations of storm water discharged from containment sources (e.g. secondary containment or storage ponds) are conducted simultaneously.

The facility must visually observe and record the presence or absence of the following information on the storm water discharge observation form ([Form 1](#)):

- Floating and suspended materials.
- Oil and grease.
- Discolorations.
- Turbidity.
- Odors.
- Trash/debris; and
- Source(s) of any discharged pollutants.

If a discharge location is not visually observed during a sampling event, The Oakdale Airport must make note of which locations were not observed and why, since an explanation is required in the Annual Report for uncompleted sampling event visual observations. All results of the visual observations are included with the annual report and kept on file as described in SWPPP [Section 11.0](#).

### 3.3 Sampling and Analysis

The General Permit requires the sampling and analysis of storm water from the **two (2) qualifying storm events within the first half of each reporting year (July 1 - December 31), and two (2) qualifying storm events within the second half of each reporting year (January 1 - June 30)**. A qualifying storm event (QSE) is a precipitation event that produces a discharge for at least one drainage area and is preceded by 48 hours with no discharge from any drainage area. **Samples must be collected from each drainage area at all drainage locations.** Samples from each discharge location shall be collected within 4 hours of the start of the discharge or the start of facility operations if the QSE occurs within the previous 12-hour period (e.g., for storms with discharges that begin during the night for facilities with day-time operating hours). If there are not at least two QSEs in each half of a reporting year due to drought conditions, no non-QSEs or any other unavoidable reason according to the General Permit Fact Sheet section II.J there is no violation committed against the General Permit for not collecting two QSEs in each half of a reporting year. A justification as to why the sampling and observations were not conducted must be included in the annual report.

Samples are collected using clean collection containers/devices and placed into sample containers provided by the laboratory. [Section 4.0](#) describes, in detail, the proper sample management techniques including sample preservation, documentation, storage, transportation to the laboratory, and analytical procedures.

### 3.4 Annual Comprehensive Facility Compliance Evaluation

General Permit requires an Annual Comprehensive Facility Compliance Evaluation (annual evaluation) be performed that includes an inspection of the facility to identify areas that discharge storm water and determine whether the BMPs are being implemented adequately and properly. The annual inspection is also intended to identify whether additional controls are needed to prevent pollution of storm water.

The annual inspection is conducted within eight to sixteen months of the previous year's inspection. However, it is recommended to complete the inspection in May of each year. The inspections include:

- A review of all sampling, visual observations, and inspection records conducted during the previous reporting year.
- An inspection of all areas of industrial activities and associated potential pollutants sources for evidence of, or the potential for, pollutants entering the storm water conveyance system.
- An inspection of all drainage areas previously identified as having no exposure to industrial activities and materials in accordance with the definitions in section XVII of the General Permit.
- An inspection of equipment needed to implement the BMPs.
- An inspection of any BMPs.
- A review and effectiveness assessment of all BMPs for each area of industrial activity and associated potential pollutant sources to determine if the BMPs are properly

- designed, implemented, and are effective in reducing and preventing pollutants in industrial storm water discharges and authorized NSWDS; and,
- An assessment of any other factors needed to comply with the requirements in section XVI.B in the General Permit.

The annual evaluation form ([Form 3](#)) is filled out by the persons performing the inspection. Information gathered during the annual inspection is used in the annual report and the original inspection forms are kept on file as described in SWPPP [Section 11.0](#). The Senior Engineering Technician or a designee performs the annual site inspection. The General Permit requires that the inspector fully understand the SWPPP and MIP.

## 4.0 Sample Management

One grab sample from the representative outfall(s) is collected for four discharges during the reporting year as described in MIP Section 3.0. This section describes the management of the samples after collection. Included in this section are sample preservation techniques, sample storage, descriptions of the analyses and parameters to be analyzed, the appropriate analytical methods to be used, required documentation, and the proper quality assurance/quality control. The Oakdale airport periodically reviews storm water observation and analytical data in order to evaluate the effectiveness of existing BMPs and monitors operational changes that may affect the quality of the facility's storm water discharge. A formal assessment is done at the end of each storm water year in conjunction with the annual evaluation, and the preparation of the annual report.

### 4.1 Narrative Assessments

The Oakdale Airport annually reviews and evaluates its activities in light of the storm water discharge observations and analytical data from the outfall.

#### 4.1.1 Sampling Parameters

The General Permit in Section XI.B outlines storm water sampling parameters that are to be analyzed.

The sampling parameters are to be analyzed using sufficiently sensitive test methods in compliance with 40 CFR Part 136, or 40 CFR Chapter I, subchapters N and O in order “to detect and quantify pollutants at or below the applicable water quality criteria, action levels, or effluent limitations” for any applicable NPDES permit.<sup>17</sup>

#### 4.1.2 Universal Sampling Parameters

All storm water discharges are to be sampled for Total suspended solids (TSS), oil and grease (O&G), and pH.

#### 4.1.3 Facility Specific Sampling Parameters

The General Permit requires in Section X.G.2.a.ii to assess “pollutants likely to be present in industrial storm water discharges and authorized NSWDS.” Then in Section XI.B.6.c the General Permit also requires that dischargers are to include in their monitoring programs other parameters that are facility-specific (based on the General Permit Section X.G.2.a.ii assessment) and are indicators of the presence of potential pollutants present in storm water from the facility's industrial pollutant sources.

The Oakdale Airport main potential pollutant is aviation gasoline. The Oakdale Airport additionally tests for the presence of Avgas in storm water by testing for total petroleum hydrocarbons using EPA method 8015. During the 2017-2018 monitoring year, TPH Aviation Range was determined to not be present in significant concentrations in storm water discharges; therefore, the Oakdale Airport has removed TPH Aviation Range as a

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<sup>17</sup> See 2018 Industrial Storm Water General Permit Amendment Fact Sheet at [https://www.waterboards.ca.gov/water\\_issues/programs/stormwater/docs/industrial/igp\\_factsheet\\_final.pdf](https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/industrial/igp_factsheet_final.pdf) or Amended General Permit Section I.K.69

sampling parameter. Due to the potential presences of lubricants from the wash pad and fueling area, the Oakdale Airport will test for total zinc.

#### **4.1.4 Standard Industrial Classification Code Sampling Parameters**

Oakdale Airport operates under Standard Industrial Classification (SIC) codes of 4522 for, “*Air Transportation, Nonscheduled*” and 4581 for, “*Airports, Flying Fields, and Airport Terminal Services.*” SIC codes 4522, and 4581 are both listed under Category #8 of Attachment A of the Industrial General Permit requiring permit coverage for vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. The General Permit states, “*Only those portions of the facility involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or other operation identified under this permit*”.<sup>18</sup>

According to the General Permit, facilities with the SIC codes 4522 and 4581 are required to sample for the additional parameter of chemical oxygen demand (COD), biological oxygen demand (BOD), and ammonia in nitrates (NH<sub>3</sub>), if the facility uses more than 100,000 gallons of glycol-based deicing chemicals and/or 100 tons of urea on an average annual basis.<sup>19</sup> The Oakdale Airport does not meet these requirements because the Airport has no deicing materials or equipment and no deicing is done or permitted at the facility. Therefore, the Oakdale Airport is not required to test for COD, BOD, and NH<sub>3</sub>.

Should a Table 1 listed sampling parameter not be a potential pollutant based on industrial activities, a facility can be exempted from sampling that Table 1 listed sampling parameter upon approval of the Regional Water Quality Control Board (Regional Board).

#### **4.1.5 Applicable TMDLs & 303(d) Listed Impairments**

General Permit Sections I.F and X.G.2.ix requires a facility to include as part of its pollutant assessment any applicable TMDLs listed in General Permit Attachment E and applicable impairments listed in California 2010 303(d) list [303(d) list] found in Appendix 3 for the receiving Hydrologic Unit Code 10 watershed (HUC 10 watershed).

Currently Attachment E has no TMDLs listed for the Oakdale Airport’s receiving water body.

Of the listed 303(d) Impairments, the Oakdale Airport has determined that the 303(d) listed impairments are not likely to be present in storm water discharges. The portable toilet which used to be present onsite until 2017 when the pilots building was constructed may have been a potential source of E. coli. However, the portable toilet had never been observed to have leaks or drips as well as it is no longer present at the Airport. Therefore, it has been determined that E. coli due to past and present industrial activity would not likely be present in storm water discharges.

Any applicable TMDLs, and 303(d) listed impairments for Oakdale Airport’s Lower Stanislaus River HUC 10 (ID# 1804001007) are listed in [MIP Table 4.1.8](#).

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<sup>18</sup> See General Permit Attachment A, Category 8

<sup>19</sup> See General Permit Section XI.B, Table 1, Footnote 18

#### 4.1.6 Regional Water Board Required Sampling Parameters

A facility is to add any additional sampling parameters required by the Regional Board to its list of sampling parameters. To date the Regional Board has not added to the Airport any additional sampling parameters.

#### 4.1.7 Effluent Limitation Guidelines Sampling Parameters

Any facility subject to Subchapter N, Effluent Limitation Guidelines (ELGs) as outlined in General Permit Attachment F of the General Permit. The Oakdale Airport does not perform deicing and none of Airport's other industrial activities are not listed in Attachment F; therefore, the Airport is not subject to any ELGs.

#### 4.1.8 Toxic Release Inventory (TRI) Chemicals

Section X.G.1.d.ii of the General Permit states that facilities with toxic chemicals identified in 40 Code of Federal Regulations Section 302 and oil and hazardous substances in excess of reportable quantities from 40 C.F.R. §§ 110, 117, and 302 (TRI reported chemicals) that have discharged from the facility's storm water conveyance system within the previous five-year period must be include as sampling parameters. The Oakdale Airport has no TRI reporting chemicals (see [MIP Table 4.1.8](#)).

The table below has the current Attachment E, 303(d) list, and TRI reported chemicals listed potential sampling parameters:

**MIP Table 4.1.8 – Narrative Assessments**

| Attachment E TMDLs | 303(d) List Impairments                                                                                                                                                                                                                                                                               | TRI Reporting Chemicals |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| None listed        | <ul style="list-style-type: none"> <li>Group A Pesticides (Carcinogenic Pesticide Screen)</li> <li>Chlorpyrifos</li> <li>Diazinon</li> <li>E.Coli and Enterococcus</li> <li>Mercury</li> <li>Electrical Conductivity</li> <li>Temperature, water</li> <li>DDT (including DDD, DDE and DDT)</li> </ul> | None                    |

Refer to [Appendix B](#) for a list of analyzed parameters in conjunction with a storm water discharge.

#### 4.1.9 Required Monitoring and Applicable Discharged Water Quality Standards

Storm water sample parameters are to be compared for compliance by:

1. Applicable Numerical Action Levels (NALs) listed in Table 2 (see General Permit Section VII.A).
2. Applicable TMDL based NALs (TNALS) and TMDL based numeric effluent limitations (NELs) outlined in General Permit Attachment E (see General Permit Section VII); and

3. Applicable ELGs (see General Permit General Permit Section XI.B.6.g and Attachment F).

The facility evaluates its analytical data by comparing it to the following Numeric Action Levels (NALs):

**MIP Table 4.1.9 – Required Monitoring and Applicable NALs**

| Analytes                     | Regulatory Reference                                           | Outfall   | NAL                                                           |
|------------------------------|----------------------------------------------------------------|-----------|---------------------------------------------------------------|
| pH                           | Industrial General Permit<br><i>Mandatory</i><br>NAL           | Outfall 1 | >6.0 <9.0<br>pH Units                                         |
| Total Suspended Solids (TSS) | Industrial General Permit<br><i>Mandatory</i><br>NAL           |           | 100 mg/L (Annual Average)<br>400 mg/L (Instantaneous maximum) |
| Oil & Grease (O&G)           | Industrial General Permit<br><i>Mandatory</i><br>NAL           |           | 15 mg/L (Annual Average)<br>25 mg/L (Instantaneous Maximum)   |
| Zinc                         | Industrial General Permit<br><i>Activity Assessment</i><br>NAL |           | 0.26 mg/L (Annual average)                                    |

Samples collected at the Oakdale Airport are analyzed for pH, TSS, O&G, and Zn. The analytical methods and detection limits for all analyses are listed in the analytical numeric action levels (NALs) and laboratory analysis table located in [Appendix B](#). All specified analytical methods meet the requirements of the General Permit.

## 4.2 Sample Procedures

In order to provide effective sample management, The Oakdale Airport uses the following sample management procedures that are derived from federal and state hazardous waste regulations and guidance materials. [Appendix F](#) provides a summary of sampling procedures.

### 4.2.1 Sample Preservation and Storage

Sample preservation is dependent on the specific analyses that are to be performed. Each sample is to be collected in sample containers provided by the laboratory. The required analyses call for different preservation techniques. For example, the pH of the samples taken for the Oil and Grease analysis must be lowered to less than 2 with sulfuric acid (H<sub>2</sub>SO<sub>4</sub>). For some parameters, such as TSS, the only preservation technique required is refrigeration. The laboratory provides the proper containers with the appropriate preservatives already added to the containers. Measurement of pH may be field-tested; performed by the sampler, using a calibrated pH meter or (if still at Baseline status, and never having reached Level 1 Status) litmus paper. A summary of preservation techniques is included in [Appendix B](#), including Analytical methods, holding times, and annual and instantaneous NALs.

Sample storage is an integral part of the sample preservation. The samples are to be stored until they are transported to the laboratory at a temperature of 4 degrees Celsius either in a refrigerator or on ice in a cooler. A summary of storage temperatures is also included in [Appendix B](#).

#### **4.2.2 Sample Labels**

Each sample is labeled with labels provided by the laboratory and contains the following information:

- Facility Name
- Sample Point as follows: “Outfall 1”
- Initials of Sampling Personnel
- Date and time of collection
- Preservative present in container (i.e. “Sulfuric Acid” or “H<sub>2</sub>SO<sub>4</sub>”)

#### **4.2.3 Sample Log / Sample Collection Information**

General sampling information is recorded on the [Chain of Custody](#) at the time of sampling in sufficient detail so that such information can be readily available.

- Facility Name
- Sample Point/Location (i.e. Outfall 1)
- Signature and Printed Name of Person Responsible for Sampling
- Sample ID
- Sample Date/Time

Sample collection information is available on the [Chain of Custody](#), in addition, the facility operators maintain a Storm Water Monitoring Data book that contains the following forms pertaining to storm water monitoring and testing.

- [Form 1 - Sampling Event Visual Observation](#)
- [Form 2 - Monthly Visual Observations](#)
- [Form 3 - Annual Comprehensive Facility Compliance Evaluation](#)

The forms listed above contain all of the information required by the annual evaluation and the Annual Report for the General Permit - records that are to be maintained by the facility for at least five (5) years.

#### **4.2.4 Chain of Custody Procedures**

The chain of custody form, documents sample possession from the time of collection until the sample is analyzed. It also serves as a sample inventory and an analysis order form. Once the chain of custody record is received by the laboratory it is checked for accuracy and completeness (see [Appendix G](#) for a copy of the current chain of custody). Information for each sample including the sample number, date of sampling, time of sampling, the sample matrix, and the required analyses, is entered on the form. The form should be filled out with a waterproof pen after the samples are labeled and ready for shipment. To keep it dry, the

chain of custody record should be placed in a sealed plastic bag and sent to the laboratory inside the sample cooler. Facility personnel are responsible for retaining a copy of the original chain of custody.

#### **4.2.5 Analytical Information**

Facility operators or an authorized contractor must properly collect, pack and document the sample collection utilizing the methods and procedures described in Section 4.1.1 through Section 4.2.4. Once the samples have been collected and prepared for shipment to the laboratory, the facility operators or authorized contractor will contact the laboratory for sample pickup by a courier or have delivered the samples to:

**Environmental.com**

**Environmental.com.**

2603 Patterson Rd. Suite #9

Riverbank, CA 95367

Phone: 209-869-9260

Various analyses have different hold times (the maximum time allowed between the collection and analysis of a sample). The pH analysis needs to be field tested within 15 minutes of a sample being collected. Samples must be transported to the laboratory as soon as possible but no later than **7 days** after sample collection to avoid exceeding the holding times.

#### **4.3 Analytical Quality Assurance / Quality Control**

To ensure that the analytical data is reliable and defensible, the laboratory is instructed to include the following information with the final analytical reports:

- Copies of all laboratory QA/QC data, including matrix spikes, duplicate analyses, blanks, blank spikes, etc. (Level 2 QA/QC)
- Date and time of analyses
- Name of chemist or technician who performed analyses
- Analytical and extraction methods
- A perjury statement executed by the person responsible for the laboratory

All of the above information should be reviewed by qualified personnel to ensure that proper analytical methods and procedures were followed. The information should be reviewed specifically to determine if the samples were analyzed using the proper analytical methods and within holding times, and if the QA/QC data are within allowable limits set by the laboratory. If there are any discrepancies in the laboratory data, the laboratory should be contacted to discuss the discrepancies. An explanation for the discrepancies should be included in the annual report.

## 5.0 Evaluation of MIP Results

After all of the elements of the MIP are implemented, the results, observations, and analyses will be evaluated throughout the year to determine if the SWPPP and MIP are being implemented properly and effectively. Sample results are evaluated immediately upon receipt of the results by the environmental coordinator or his designee. The discharger shall submit all samples and analytical results for all individual samples via SMARTS within 30 days of obtaining all results for each sampling event. The analytical laboratory has been instructed to email a copy of the analytical results to both the facility and to the environmental coordinator or his designee and then mail an original set to The Oakdale Airport.

Storm water quality benchmark values for most analyses have been determined by the USEPA and the State of California. (See [Appendix B](#) for the NALs). If the analytical results indicate that there are any pollutants present in the storm water in significant quantities, the facility personnel will make all attempts to determine the source of the pollutants, appropriate steps will be taken to minimize any further contamination of the storm water, and BMPs will be developed to manage the storm water and its discharges. Any actions taken or BMPs implemented as a result of the evaluation of the analytical results and or other observations documented in Form 1 through Form 3, will be recorded in the storm water corrective action record, included in a future revision of the SWPPP, and included in the annual report. All necessary evaluations and reports as stated in the General Permit will be completed and submitted to the water board via SMARTS (Section XII of the General Permit).



## 6.0 Documentation

All documentation and information required by the General Permit is to be retained for a period of no less than 5 years. This documentation and information include, but is not limited to, the following:

- The Date, Exact location and time of inspections, sampling, observations, and/or measurements.
- The date(s) analyses were performed.
- The analytical techniques or methods used.
- The results of such analysis.
- Names of the personnel who performed the inspections, sampling, observations, and/or measurements.
- A copy of the sample log / sample collection information, including copies of all chain of custody records.
- Laboratory final reports that include those items listed in MIP [Section 4.3](#);
- Results of the annual evaluation including a facility inspection and a review of the SWPPP and MIP; and
- If parts or all of this MIP were not implemented, then documentation is required to explain the reasons why the MIP was not implemented in full.

*[Page intentionally left blank.]*

## **7.0 Noncompliance Reporting**

Facilities shall give advance notice to the Regional Water Board and local MS4 of any planned changes in the industrial activity that may result in noncompliance with this General Permit.

Facilities shall give an explanation for any non-compliance of requirements within the reporting year in the annual report as indicated in the annual report's compliance checklist.

### **MS4 Contact Information:**

City of Oakdale  
Ian Sather  
Senior Engineering Technician  
(209) 845-3640

### **Regional Water Board Information:**

Central Valley Regional Water Quality Control Board (5S)  
Sacramento Office  
Lowell Cottle QSD/P, CESSWI, CPESC  
(916) 464-4841

*[Page intentionally left blank.]*

## 8.0 Implementation of the Storm Water Monitoring Program

The General Permit requires that a QA/QC program be prepared to ensure that all elements of the MIP are implemented and that they are implemented by properly trained personnel. This program consists of two parts.

The first part of the QA/QC program is the [Annual Storm Water Monitoring Program Checklist](#), which lists the elements of the MIP that are to be completed by the Facility personnel.

The second part of the QA/QC program is to ensure that the monitoring program is implemented by appropriate individuals who understand the requirements of the SWPPP and MIP. Each person who will perform or supervise sampling and/or perform discharge point inspections (storm and dry season) in accordance with this program must have a working knowledge of this plan, be familiar with the facility's SWPPP, and be otherwise qualified to carry out the associated tasks. Each of these persons will receive a copy of this program for their review and will be annually trained on the requirements of this monitoring plan and proper sample collection and water quality monitoring practices.

*[Page intentionally left blank.]*

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## 9.0 Certification of Storm Water Monitoring Program

"I 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 ensure that qualified personnel properly gather and evaluate 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 the possibility of fine and imprisonment for knowing violations."

**Jeff Gravel**

\_\_\_\_\_  
(Print Name)

**Public Services Director**

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

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# FIGURE 1

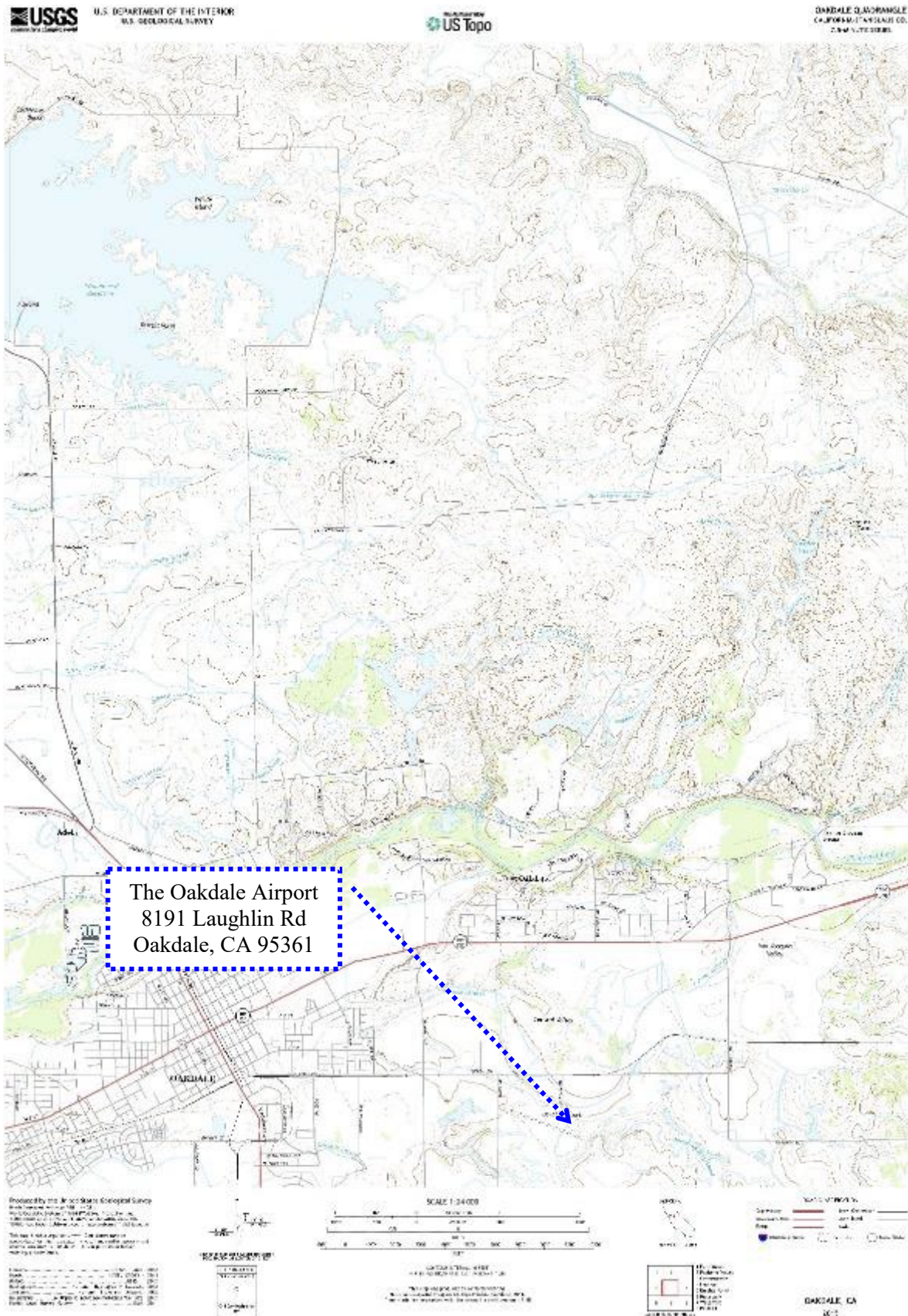
---

VICINITY TOPOGRAPHIC MAP

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**FIGURE 1**  
**VICINITY TOPOGRAPHIC MAP**  
**THE OAKDALE MUNICIPAL AIRPORT**





## FIGURE 2

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SITE MAP:  
STORM WATER FLOW, OUTFALL AND  
FACILITY INDUSTRIAL ACTIVITIES

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### Map Legend

|  |                                |
|--|--------------------------------|
|  | <b>Airport Boundary</b>        |
|  | <b>Site Map Boundary</b>       |
|  | <b>Industrial Areas</b>        |
|  | <b>Fueling Dispensing Area</b> |
|  | <b>Av-gas Tank</b>             |
|  | <b>Spill Kits</b>              |
|  | <b>Outfalls/ Sample Points</b> |
|  | <b>Waste Oil Storage</b>       |
|  | <b>Non-industrial Storm</b>    |
|  | <b>Storm Water Flow</b>        |
|  | <b>Low Spot/Impound</b>        |
|  | <b>Compost Socks</b>           |
|  | <b>Earth Berm</b>              |

**Note: Outfall 1 is protected by compost socks**

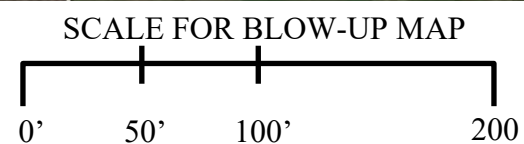


**FIGURE 2 - SITE MAP**  
Oakdale Municipal Airport  
8191 Laughlin Rd  
Oakdale, CA 95361  
Rev. 05/08/2025





# APPENDIX A

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## NPDES PERMIT AND NOI

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## APPENDIX A

### **NPDES PERMIT AND NOI**

State Water Resources Control Board  
Industrial Storm Water Program Website:

<https://smarts.waterboards.ca.gov/smarts/faces/SwSmartsLogin.xhtml>



## APPENDIX B

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### ANALYTICAL INFORMATION

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**APPENDIX B**  
**THE OAKDALE MUNICIPAL AIRPORT**  
**NUMERIC ACTION LEVELS AND LABORATORY ANALYSIS**

| Analyte                      | Outfall to be Tested | Analytical Method | Container Type / Preservation                                 | Holding Time      | Numeric Action Level (NAL)                                            |
|------------------------------|----------------------|-------------------|---------------------------------------------------------------|-------------------|-----------------------------------------------------------------------|
| pH                           | Outfalls 1           | EPA 150.1 (Field) | Field measurement                                             | Within 15 minutes | <b>&gt;6.0 &lt;9.0<br/>pH Units</b>                                   |
| Total Suspended Solids (TSS) |                      | SM 2540-D         | 1 500-ml Poly w/no preservative; Cool to 4° C                 | 2 days            | <b>100 mg/L (Annual average)<br/>400 mg/L (Instantaneous maximum)</b> |
| Oil & Grease (O&G)           |                      | EPA 1664A         | 1 1-liter amber glass w/HCl; Cool to 4° C                     | 14 days           | <b>15 mg/L (Annual average)<br/>25 mg/L (Instantaneous maximum)</b>   |
| Zinc, total (Zn)             |                      | EPA 200.8         | 1 500-ml Poly container with HNO <sub>3</sub> ; Cool to 10° C | 6 months          | <b>0.26 mg/L (Annual average)</b>                                     |



# APPENDIX C

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## CORRECTIVE ACTION RECORD

---



## APPENDIX C

| Storm Water Corrective Action Record |                  |                    |                                       |                                        |                                                                                      |
|--------------------------------------|------------------|--------------------|---------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| Corrective<br>Action Item<br>Number  | Compliance Issue | Date<br>Discovered | Interim BMP's and Date<br>Implemented | Permanent BMPs and Date<br>Implemented | SWPPP Revision<br>Required? (Yes/No)<br>Reference the sections that<br>were revised. |
|                                      |                  |                    |                                       |                                        |                                                                                      |
|                                      |                  |                    |                                       |                                        |                                                                                      |
|                                      |                  |                    |                                       |                                        |                                                                                      |
|                                      |                  |                    |                                       |                                        |                                                                                      |
|                                      |                  |                    |                                       |                                        |                                                                                      |
|                                      |                  |                    |                                       |                                        |                                                                                      |
|                                      |                  |                    |                                       |                                        |                                                                                      |



# APPENDIX D

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## FACILITY INSPECTIONS



## APPENDIX D

### FACILITY INSPECTIONS

**Daily Inspections:**

Daily Visual Facility Inspections

**Monthly Inspections:**

Monthly (dry weather) Visual Observations

**Storm Water Discharge Observations:**

Two (2) Sampling Event Visual Observations – July through December

Two (2) Sampling Event Visual Observations – January through June

**Annual Inspections:**

Annual Comprehensive Facility Compliance Evaluation

**Other Inspections:**



# APPENDIX E

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## STORM WATER MONITORING DATA FORMS

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**OAKDALE MUNICIPAL AIRPORT**  
**Oakdale, CA**

**STORM WATER YEAR: \_\_\_\_\_**

**ANNUAL STORM WATER MONITORING PROGRAM CHECKLIST**

**Monthly Visual Observations (Form 2)**

|      | Date Observed | Person Completed By |
|------|---------------|---------------------|
| July |               |                     |
| Aug. |               |                     |
| Sep. |               |                     |
| Oct. |               |                     |
| Nov. |               |                     |
| Dec. |               |                     |
| Jan. |               |                     |
| Feb. |               |                     |
| Mar. |               |                     |
| Apr. |               |                     |
| May  |               |                     |
| June |               |                     |

**Sampling Event Visual Observations (Form 1)**

|                                                            | Date Sampled | Date Results Received | Completed By |
|------------------------------------------------------------|--------------|-----------------------|--------------|
| <b><i>First Half Reporting Year (July 1 – Dec. 31)</i></b> |              |                       |              |
| QSE #1                                                     |              |                       |              |
| QSE #2                                                     |              |                       |              |

***Second Half Reporting Year (Jan 1. – June 30)***

|        |  |  |  |
|--------|--|--|--|
| QSE #1 |  |  |  |
| QSE #2 |  |  |  |

**Annual Comprehensive Facility Compliance Evaluation (Form 3)**

|          | Date of Inspection/Review | Completed By |
|----------|---------------------------|--------------|
| Facility |                           |              |
| SWPPP    |                           |              |

**Annual Report Preparation and Submittal (Due July 15<sup>th</sup>)**

|  |                         |  |
|--|-------------------------|--|
|  | Date Submitted to RWQCB |  |
|  | Person Completed By     |  |



# Form 1

## Sampling Event Visual Observations and Analytical Results

Sampling event visual observations shall be conducted at the same time sampling occurs at a discharge location. At each discharge location where a sample is obtained, the Discharger shall observe the discharge of storm water associated with industrial activity.

|                                 |  |
|---------------------------------|--|
| Facility Name:                  |  |
| Name of the sampler / observer: |  |

### Qualified Storm Event (QSE) Evaluation:

|                                                                                |  |
|--------------------------------------------------------------------------------|--|
| Did the storm produce a discharge for at least one drainage area?              |  |
| Was it preceded by at least 48 hours with no discharge from any drainage area? |  |
| Scheduled facility operating hours:                                            |  |
| Date & time discharge began:                                                   |  |
| Date & time of sampling & observation:                                         |  |

### Outfall Observations:

| Outfall Name | Is water from an impounded source (i.e. retention basin)? (Yes/No) | Time discharge began | Time of observation / sampling | Note with an "X" if any of the following pollutants were observed: |                    |           |       |           |      |                | Likely pollutant source |
|--------------|--------------------------------------------------------------------|----------------------|--------------------------------|--------------------------------------------------------------------|--------------------|-----------|-------|-----------|------|----------------|-------------------------|
|              |                                                                    |                      |                                | Floating debris                                                    | Suspended material | Oil sheen | Color | Turbidity | Odor | Trash / debris |                         |
|              |                                                                    |                      |                                |                                                                    |                    |           |       |           |      |                |                         |
|              |                                                                    |                      |                                |                                                                    |                    |           |       |           |      |                |                         |
|              |                                                                    |                      |                                |                                                                    |                    |           |       |           |      |                |                         |
|              |                                                                    |                      |                                |                                                                    |                    |           |       |           |      |                |                         |
|              |                                                                    |                      |                                |                                                                    |                    |           |       |           |      |                |                         |
|              |                                                                    |                      |                                |                                                                    |                    |           |       |           |      |                |                         |

### Corrective Action Based on Visual Observations:

Based on the visual observations of the storm water discharge, summarize corrective action needed or taken in the box below.

# Form 1

## Sampling Event Visual Observations and Analytical Results

Don't forget to submit all sample results on SMARTS within 30 days of receiving them.

### Outfall Analytical Testing:

| Outfall Name            | pH (field)    | Qualified for Representative Sampling Reduction? (Yes / No)                     | Qualified Combined Sample? (Yes / No) | Qualified for Sampling Frequency Reduction? (Yes / No) | Input below the laboratory analytical result when obtained: |                                         |  |  |  |  |  | Date submitted on SMARTS | Likely pollutant source |
|-------------------------|---------------|---------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------|--|--|--|--|--|--------------------------|-------------------------|
|                         |               |                                                                                 |                                       |                                                        | Total suspended solids                                      | Oil & grease                            |  |  |  |  |  |                          |                         |
|                         |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
|                         |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
|                         |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
|                         |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
|                         |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
|                         |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
| Method of pH analysis:  |               |                                                                                 | Units of measurement:                 |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
| Laboratory method used: |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
| Method detection limit: |               |                                                                                 |                                       |                                                        |                                                             |                                         |  |  |  |  |  |                          |                         |
| NALs:                   | < 6.0 & > 9.0 | Note: Enter NALs for other required analytes per Table 2 of the General Permit. |                                       |                                                        | Annual NAL: 100 mg/L<br>Instant: 400 mg/L                   | Annual NAL: 15 mg/L<br>Instant: 25 mg/L |  |  |  |  |  |                          |                         |

### Corrective Action Based on Analytical Results:

Based on the analytical results of the storm water testing, summarize corrective action needed or taken in the box below. Note if any instantaneous NALs were exceeded. Also, note if any annual NALs are in jeopardy of being exceeded.

## Form 2 Monthly Visual Observations

At least once per calendar month, the Discharger shall visually observe each drainage area for the following: 1) the presence or indications of unauthorized NSWDS and their sources; 2) authorized NSWDS, their sources, and BMPs to address them; and 3) outdoor industrial equipment and storage areas, industrial activities, BMPs, and all other potential sources of industrial pollutants.

|                                     |  |                                                                                               |  |
|-------------------------------------|--|-----------------------------------------------------------------------------------------------|--|
| Facility Name:                      |  |                                                                                               |  |
| Month and Year:                     |  |                                                                                               |  |
| Name of the observer:               |  |                                                                                               |  |
| Scheduled facility operating hours: |  |                                                                                               |  |
| Date and time of the observation:   |  | <i>Must be performed during daylight and during normal scheduled facility operating hours</i> |  |

### Outfall Observations for NSWDS:

NSWD = Non-Storm Water Discharge; authorized NSWDS are listed in Section IV (pages 19-20) of the GENERAL PERMIT.

| Outfall Name | Is there a NSWSD or indications of a recent NSWSD?<br>(Yes / No) | If yes, answer the following: |                   | Describe the source of the NSWSD | If it was unauthorized, was it discontinued?<br>(Yes / No) | If it is authorized, describe the BMPs in place to ensure that it does not mobilize or contain pollutants, or cause erosion. |
|--------------|------------------------------------------------------------------|-------------------------------|-------------------|----------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|              |                                                                  | Is it unauthorized?           | Is it authorized? |                                  |                                                            |                                                                                                                              |
|              |                                                                  |                               |                   |                                  |                                                            |                                                                                                                              |
|              |                                                                  |                               |                   |                                  |                                                            |                                                                                                                              |
|              |                                                                  |                               |                   |                                  |                                                            |                                                                                                                              |
|              |                                                                  |                               |                   |                                  |                                                            |                                                                                                                              |
|              |                                                                  |                               |                   |                                  |                                                            |                                                                                                                              |
|              |                                                                  |                               |                   |                                  |                                                            |                                                                                                                              |

### Corrective Actions Needed for NSWDS:

*Describe corrective actions needed to eliminate or control NSWDS:*

### Corrective Actions Taken for NSWDS:

*Describe the corrective actions that were taken as a result of the NSWDS:*

Form 2  
Monthly Visual Observations

### **BMP & Pollutant Source Observations:**

[illegible]

Form 3  
Annual Comprehensive Facility Compliance Evaluation

The Discharger shall conduct one Annual Evaluation for each reporting year (July 1 to June 30). The Discharger shall revise the SWPPP, as appropriate, and implement the revisions within 90 days of the Annual Evaluation.

|                                       |  |
|---------------------------------------|--|
| Facility Name:                        |  |
| Reporting Year:                       |  |
| Name of the Observers:                |  |
| Dates of the Inspection & Evaluation: |  |

**Overview of the Annual Evaluation Sections:**

- A. A review the sampling, visual observation, and inspection records on the completed Forms 1 and 2
- B. An inspection of all areas of industrial activity and associated potential pollutant sources for evidence of pollutants entering the storm water conveyance system; an inspection of existing BMPs; and review and effectiveness assessment of all BMPs for each area of industrial activity and associated potential pollutant sources.
- C. An inspection of drainage areas having no exposure to industrial activities and materials.
- D. An inspection of equipment needed to implement the BMPs.
- E. An assessment of information needed for the Annual Report

**Section A – Review of Sampling, Observation, and Inspection Records**

*Review all of the completed Forms 1 and 2. Review the data and information that has been submitted on SMARTS. Answer the following questions and provide information as it applies to the facility:*

1. Were all outfalls sampled as required by the General Permit and as described in the SWPPP?

|  |
|--|
|  |
|--|

2. Have all sample results been submitted on SMARTS? (Yes or No; if “no”, explain)

|  |
|--|
|  |
|--|

3. Did the facility qualify for representative sampling reduction? (Yes or No; if “yes”, explain)

|  |
|--|
|  |
|--|

Form 3  
Annual Comprehensive Facility Compliance Evaluation

4. Did the facility qualify for sampling frequency reduction? (Yes or No; if “yes”, explain)

5. Did the facility have “Qualified Combined Samples”? (Yes or No; if “yes”, explain)

6. Were any NALs exceeded? (Yes or No; if “yes”, explain)

7. Summarize corrective action that was specified as needed and that which was taken as recorded on Forms 1 and 2.

8. Identify any outstanding issues that have not been corrected or resolved.

Form 3  
Annual Comprehensive Facility Compliance Evaluation

**Section B – Inspection and Assessment of Industrial Activities, Potential Pollutant Sources, and BMPs**

*Review the SWPPP and perform a facility inspection reviewing industrial activities and potential pollutant sources:*

1. Are there any industrial activities or potential pollutant sources that are not described in the SWPPP? (Yes or No; if “yes”, explain)

2. Complete the following table based on the facility inspection:

| Name of Industrial Area or Activity<br>(as listed in the SWPPP) | Are the minimum BMPs described in the SWPPP in place? (Yes / No) | Are the advanced BMPs described in the SWPPP in place? (Yes / No) | Are the existing BMPs effective? (Yes / No) | Describe Corrective Action Needed | Describe Corrective Action Taken including the date that it was implemented |
|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------|
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |

Form 3  
Annual Comprehensive Facility Compliance Evaluation

| Name of Industrial Area or Activity<br>(as listed in the SWPPP) | Are the minimum BMPs described in the SWPPP in place? (Yes / No) | Are the advanced BMPs described in the SWPPP in place? (Yes / No) | Are the existing BMPs effective? (Yes / No) | Describe Corrective Action Needed | Describe Corrective Action Taken including the date that it was implemented |
|-----------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------|
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |
|                                                                 |                                                                  |                                                                   |                                             |                                   |                                                                             |

**Section C – Inspection and Evaluation of Drainage Areas Having “No Exposure” to Industrial Activities**

*Review the SWPPP and perform a facility inspection of areas of the facility identified in the SWPPP as not having industrial activities or materials:*

- Are there any areas at the facility that are excluded from sampling and observations because they do not contain industrial activities or industrial materials? (Yes or No; if “yes”, explain)

- Are these “No Exposure” areas identified in the SWPPP and is there a NEC Checklist for each one? (Yes or No; if “no”, explain)

- Based on the inspection, do these areas still qualify for “No Exposure”? (Yes or No; if “no”, explain)

Form 3  
Annual Comprehensive Facility Compliance Evaluation

**Section D – Inspection of Equipment Needed to Implement the BMPs**

*Review the BMP descriptions in the SWPPP and perform an inspection and inventory evaluation of equipment and supplies needed to implement the existing BMPs. Complete the following table:*

| Minimum BMP                            | List the equipment specified in the SWPPP | List the equipment and supplies that needs to be repaired, replaced, maintained, or re-stocked |
|----------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------|
| Good Housekeeping                      |                                           |                                                                                                |
| Preventative Maintenance               |                                           |                                                                                                |
| Spill and Leak Prevention and Response |                                           |                                                                                                |
| Erosion and Sediment Controls          |                                           |                                                                                                |
| Employee Training Program              |                                           |                                                                                                |
| Treatment Control                      |                                           |                                                                                                |
| Storm Resistant Shelters               |                                           |                                                                                                |
| Storm Water Containment or Diversion   |                                           |                                                                                                |

Form 3  
Annual Comprehensive Facility Compliance Evaluation

**Section E – Assessment of Information Needed for the Annual Report**

*Complete the following checklist and questions based on the review of the SWPPP; review of the sampling, observation, and inspection data; and the facility inspection.*

1. Compliance Checklist:

| Question                                                                                                         | Response & Explanation |
|------------------------------------------------------------------------------------------------------------------|------------------------|
| What is the ERA Level for the Facility for the current reporting year? (Baseline, ERA Level 1, or ERA Level 2)   |                        |
| What will be the ERA Level for the Facility for the next reporting year? (Baseline, ERA Level 1, or ERA Level 2) |                        |
| <i>Answer the following yes or no, and provide explanations for any “no” answers:</i>                            |                        |
| Has the facility filed for General Permit coverage on SMARTS?                                                    |                        |
| Has the facility eliminated all unauthorized NSWDS?                                                              |                        |
| Were all storm water results below effluent limit guidelines (ELGs) and/or Numeric Action Levels (NALs)?         |                        |
| Does the facility have an up to date SWPPP and facility map?                                                     |                        |
| If required, has the SWPPP been revised by a QISP?                                                               |                        |
| Does the SWPPP specify all of the minimum BMPs required by the permit?                                           |                        |
| Have all BMPs specified in the permit been implemented at the facility?                                          |                        |
| Are the existing BMPs effectively preventing the discharge of pollutants and NSWDS?                              |                        |





# APPENDIX F

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## SAMPLING PROCEDURES

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## SAMPLING PROCEDURES

1. Obtain a copy of the [chain of custody](#) included in the SWPPP.
2. Locate the sample containers and ice chest provided to the Oakdale Municipal Airport by the laboratory. See Monitoring Implementation Plan [Section 4.2.5](#) for the laboratory and contact name. Contact the laboratory for sample pick up or make arrangements for the samples to be delivered, either by overnight shipment or delivery by facility staff.
3. Use only an empty, unused collection container to retrieve storm water from the sample location and then fill the individual analysis sample containers provided by the laboratory to return the samples to the laboratory for analysis. The use of any other sample containers returned to the laboratory for analysis may not provide the adequate sample volume or preservative needed for accurate or uncontaminated sample results.
4. To prevent contamination of the sample, do not touch or put anything into the sample containers before collecting storm water samples. Wearing gloves during the sampling also helps to prevent contamination of the samples.
5. Facilities that are not subject to Subchapter N ELGs mandating pH analysis related to acidic or alkaline sources and have never entered Level 1 status for pH, are eligible to screen for pH using wide range litmus pH paper or other equivalent pH test kits. **The pH screen shall be performed as soon as practicable, but no later than 15 minutes after the sample is collected.**
6. Facilities subject to Subchapter N ELGs shall either analyze samples for pH using a calibrated portable instrument for pH.
7. Facilities that enter Level 1 status for pH shall, in the subsequent reporting years, analyze for pH using a calibrated portable instrument for pH.
8. Facilities using a calibrated portable instrument for pH shall ensure that all field measurements are conducted in accordance with the accompanying manufacturer's instructions.
9. Do not overfill the sample containers. Generally, the volatile organic analysis vials (VOAs) need to be filled without any air bubbles and the other liter containers must be filled to at least  $\frac{3}{4}$  full. Fill oil and grease samples directly into the sampling container without the use of an intermediary collection device.
10. Tightly screw the cap of each sample container without stripping the threads of the cap.
11. Complete and attach a label to each sample containers. The label shall identify the date and time of the sample collection, the person taking the sample, and the sample collection location or discharge point. The label should also identify any sample containers that have been preserved or contain preservative. It is recommended to use a permanent marker or computer-generated labels.
12. Carefully pack sample containers into an ice chest (the laboratory should provide one for the Facility's use) or refrigerator. Sample should be kept at as close to 4 degrees Celsius (39 degrees F) as possible until arriving at the laboratory. Do not freeze the samples unless instructed to do so by the laboratory.
13. Complete the chain of custody (See [Appendix G](#) for a copy of the Chain of Custody and instructions.).
14. Before shipping, pack sample containers to prevent breakage during shipment (use bubble wrap, or sample holders provided to the facility by the laboratory) Place ice or frozen ice

packs into the shipping container (preferably an ice chest). The sample containers must remain cold during shipping.

15. Upon shipping or delivering the sample containers, obtain both the signatures of the persons relinquishing and receiving the sample containers, and the photocopy of the completed chain of custody to be filed at The Oakdale Airport.

# APPENDIX G

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## CHAIN OF CUSTODY

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# Oakdale Municipal Airprot Chain Of Custody Record

2603 Patterson Rd, Suite #9  
Riverbank CA 95367  
(209) 869-9260

**Attention: Tyler Hendon  
City of Oakdale  
Public Services Department  
455 S. Fifth Avenue,  
Oakdale, CA 95361**

PAGE: 1 of 1

[illegible]



# APPENDIX H

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## SPILL RESPONSE PROCEDURES

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## **STANDARD SPILL RESPONSE PROCEDURES**

In the event of a low threat spill/drip, the following procedures should be followed:

1. Act immediately or as soon as feasible. Inform management of spill if deemed necessary.
2. Use appropriate personal protection equipment (PPE) including at a minimum nitrile or latex gloves, as well as, reflective clothing, eye protection, and/or hard hat as deemed necessary by facility management,
3. If conditions are safe, if possible, stop the flow/spread of material by shutting a valve, turning off a pump, up righting a container, or temporarily plugging a rupture.
4. Isolate and contain the spilled material by using any number of available spill response materials and equipment, such as the absorbent spill booms, absorbent pads, barriers or even earthen berms with a shovel or other available equipment (beware of fire danger if material can be flammable).
5. Use available cleanup equipment and/or the spill contractor to clean up the spilled material and contaminated soil/surfaces.
6. Store and dispose of the hazardous waste/material appropriately.
7. Document all spill response and cleanup efforts, including notification calls.

## **EMERGENCY SPILL RESPONSE PROCEDURES**

In the event of a significant spill, the following procedures should be followed:

1. Act immediately.
2. Inform management of spill.
3. Use appropriate personal protection equipment (PPE) including at a minimum nitrile or latex gloves, as well as, reflective clothing, eye protection, breathing protection, and/or hard hat as deemed necessary by facility management,
4. If there is a fire or injury, immediately call 911.
5. Isolate and contain the spilled material by using any number of available spill response materials and equipment, such as the absorbent spill booms, absorbent pads, barriers or even earthen berms with a shovel or other available equipment (beware of fire danger). If it is unsafe to stop the flow, call 911.

6. Isolate and contain the spilled material by using the absorbent spill booms, spill kits, or creating an earthen berm with a shovel or other available equipment (beware of fire danger).
7. Estimate the amount of spilled material.
8. Make all the above notifications.
9. Use available cleanup equipment and/or the spill contractor to clean up the spilled material and contaminated soil/surfaces.
10. Document all spill response and cleanup efforts, including notification calls.

## **WASTE DISPOSAL**

Wastes resulting from a minor discharge response will be containerized in impervious bags, drums, or buckets. The facility manager will characterize the waste for proper disposal and ensure that it is removed from the facility by a licensed waste hauler within two weeks. Wastes resulting from a major discharge response will be removed and disposed of by a cleanup contractor.

