ONTARIO
INTERNATIONAL AIRPORT
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Guidance Manual
for
Construction Storm Water Pollution Prevention

PART 1 – Construction Storm Water Pollution Prevention Plan (SWPPP)
PART 2 – Water Pollution Control for Projects that Disturb Less Than One Acre
PART 3 – Construction Project Storm Water Compliance Review Program (CSWCRP)

Issued July 2017

Acknowledgments

This manual was prepared by Alta Environmental, a certified Small Business Enterprise (SBE), at the request of the Ontario International Airport Authority.

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PART 1:

Storm Water Pollution Prevention Plan (SWPPP)

For use with:
CASQA Storm Water Pollution Prevention Plan Template
(For Traditional Sites)

Introduction

Ontario International Airport Authority (OIAA) has selected the California Storm Water Quality Association (CASQA) Construction Storm Water Pollution Prevention Plan (SWPPP) Template for Traditional Sites to be the preferred template for all SWPPPs prepared for OIAA projects. It is the responsibility of the Qualified SWPPP Developer (QSD) to download the most current version of the CASQA Template for preparation of each OIAA Project SWPPP, in accordance with CASQA policy and copyright requirements. The CASQA Template can be downloaded from their site located at https://www.casqa.org/. Any SWPPP provided in different format will be returned and must be revised to follow the CASQA template and the direction of this Guidance Manual.

This document is intended for use in conjunction with the CASQA Template, and will serve as an additional resource providing information preferential to Ontario International Airport Authority regarding the preparation and implementation of all Ontario International Airport Authority Project SWPPPs. In many instances throughout this document, it is advised to use language from the CASQA Template. If for any reason the Project-specific conditions necessitate deviation from advised CASQA Template language, each change and reason for the change should be documented in the SWPPP Checklist in Attachment 1.

The timeline for SWPPP review is shown graphically in Figure 1. Upon issuance of the Waste Discharger Identification (WDID) number from the SWRCB to OIAA, the project team will be given the notification that OIAA has lifted the storm water permitting restriction from the authorization to proceed.

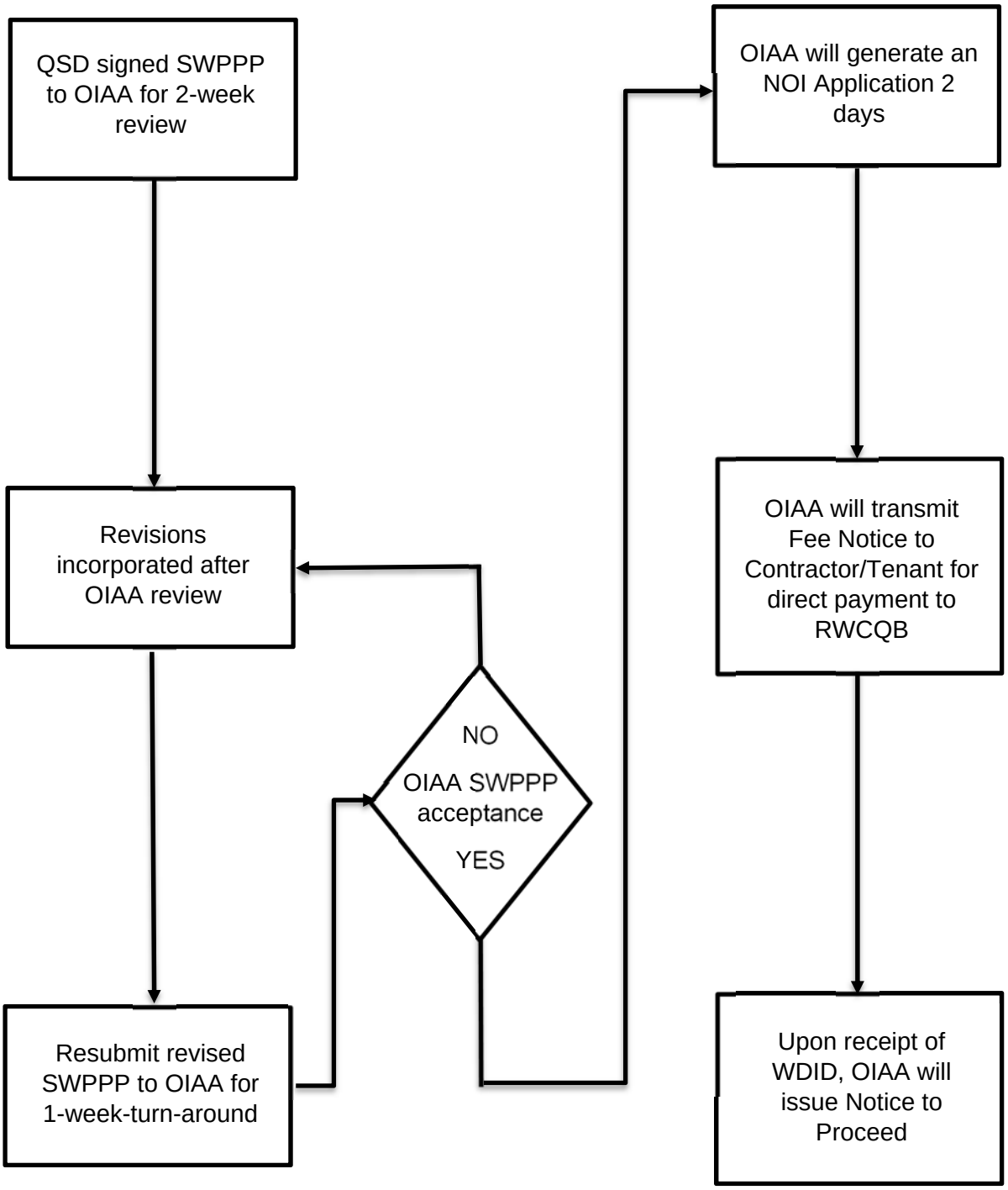


Figure 1. OIAA Timeline for SWPPP Review Process

Table of Contents

Figures

Attachments

Title Page & Project General Information

Title Page

Update each field on Title Page per CASQA Template. Address the following fields, specific to Ontario International Airport Authority construction sites:

- Project LRP: COO or Executive Director/Ontario International Airport Authority
- LRP Address and Telephone Number: Mark Thorpe1923 East Avion Street, Ontario, CA 91761 (909) 544-5426 (Check with OIAA Project Manager or designee to verify current LRP information)
- Authorized Signatory: To be determined.
- Estimated dates for start and end of construction: Obtain from Project Manager at Ontario International Airport Authority. This is a general project begin/end date. No details necessary. The end date shall include all time necessary to achieve final site stabilization/revegetation.
- SWPPP preparation date: Date SWPPP was prepared. SWPPP preparation date must be prior to construction start date.

QSD Certification Page

See CASQA Template for QSD Certification Statement. Upon OIAA approval of SWPPP the LRP will wet sign page for QSD to insert into the SWPPP that will be kept at the project site.

LRP Certification Page

See CASQA Template for LRP Certification Statement.

Amendment Log

See CASQA Template for Amendment Log table.

Section 1 SWPP Requirements

1.1 Introduction

Include and complete statement from CASQA Template.

1.2 Permit Registration Documents (PRDs)

Include statement from CASQA Template and identify any additional PRD related to the project.

1.3 SWPPP Availability and Implementation

Include statement from CASQA Template.

1.4 SWPPP Amendments

Include statement from CASQA Template. The required OIAA standards for amending the SWPPP include:

- Submit sections of the SWPPP that are changed using redline/strikeout format for changing or updating the text.
- When a Change-of-Information (COI) is required (i.e., adding or removing acreage, revising the dates, new ownership, etc.), the information (including the amendment language) needs to be submitted to the OIAA PM for uploading into the SMARTS database and obtaining the LRP certification for submission prior to Board approval. Other amendments that do not trigger a COI, do not require LRP approval and will uploaded to SMARTS by an OIAA Data Submitter.
- Update the amendment log (Appendix D). Place the appropriate notice of approval(s) into Appendix D along with the amendment.
- Each amendment shall be a single line item on the Amendment Log Form in Appendix D. Following the amendment log shall be the information supporting the sections listed in the "brief description of Amendment, include section and page number" column of the log.

1.5 Retention of Records

Include statement from CASQA Template and complete the bullets. At the completion of the project the SWPPP documents shall be submitted to the OIAA PM for Permit required retention of 3 years.

1.6 Required Non-Compliance Reporting

Include statement from CASQA Template that applies for All Projects regardless of Risk Level.

- Risk Level 1 – include statement from CASQA Template for All Projects; no other information required.
- Risk Level 2 - include statement from CASQA Template for All Projects, and include the additional Risk Level 2 information from CASQA Template.

- Risk Level 3 – include statement from CASQA Template for All Projects, and include the additional Risk Level 3 information from CASQA Template.

1.7 Annual Report

Include statement from CASQA Template. The Contractor will submit the information required for Annual Report completion to the LRP's Data Submitter prior to August 1 or prior to filing the NOT, for the annual reporting purposes. The following information, at a minimum, will be provided:

- A digital copy of all required inspection reports including weekly and quarterly inspections, as well as storm inspections (pre-storm, during-storm, post-storm as applicable).
- If any inspections were performed by a person other than the designated QSP, provide a copy of the training log identifying the inspector as properly trained by the QSP.
- If applicable, explanations for any of the following conditions:
    - Any Permit-required inspections that were not performed
    - BMP maintenance/repair or design changes that were not initiated within 72 hours of being identified/reported
    - Non-visible pollutant or non-storm water sampling occurrences (include all laboratory data reports)
- Report of any authorized or unauthorized non-storm water discharge; include date and time of observation.
- By August 1 each year and at project completion, submit to the OIAA PM, a completed SMARTS Annual Report Questionnaire. Also include digital copies of the summary and evaluation of all sampling and analysis results, original laboratory reports, chain of custody forms, a summary of all corrective actions taken during the compliance year, and identification of any compliance activities or corrective actions that were not implemented.

1.8 Changes to Permit Coverage

Include statement from CASQA Template.

1.9 Notice of Termination

Include narrative from CASQA Template.

Section 2 Project Information

2.1 Project and Site Description

Include a project specific narrative by modifying the CASQA Template for each section.

2.1.1 Site Description

Required items include (but are not limited to):

- Name of Project
- Size of Project (Include total disturbed soil area and the total area within the project limits). Size of off-site laydown yards should be described.
- Address or description of location including nearby major roads
- Description of nearby water bodies (receiving water bodies) that the project discharges to
- Project's Latitude/Longitude

2.1.2 Existing Conditions

Items to include (but are not limited to):

- Description of site existing land use
- Description of site proposed land use
- Percentage of impervious area for existing site
- Description of potential or known soil contamination sources

2.1.3 Existing Drainage

Items to include (but are not limited to):

- Description of site topography (direction of slope)
- Description of site elevation range
- Description of surface drainage courses and conveyance systems; describe the entire drainage pathway from the site to the appropriate receiving waters utilizing the language provided.
    - **Ontario Airport (ONT)** – each drainage area enters the Prado Flood Control Basin which discharges into the Santa Ana River, and finally discharging to the Pacific Ocean.
        - West Cucamonga Channel Drainage Area – The West Cucamonga Channel receives runoff from 134 acres of the western portion of ONT. This area includes a paved parking lot, unpaved dirt area, runways and taxiways. The surface storm water flow pattern from the parking lot drains from north to south onto Mission Boulevard (City of Ontario's MS4), and continues east to the channel.

          The airfield surface area drainage flows south and west into catch basins along runways 8L and 8R; this runoff discharges into West Cucamonga

Channel at the intersection of Mission Boulevard.

The West Cucamonga Channel is an MS4 covered water body by the County of San Bernardino and subject to the discharge limitations and requirements of that Permit. The West Cucamonga Channel drains to the Ely Settling Basins which flow into the Cucamonga Channel. The Cucamonga Channel is an MS4 covered water body by the County of San Bernardino and flows to the Prado Flood Control Basin. The Prado Flood Control Basin discharges to the Santa Ana River which discharges into the Pacific Ocean.

- Cucamonga Channel Drainage Area – The Cucamonga Channel extends along a north/south transect across ONT, between Airport Drive and Mission Boulevard.

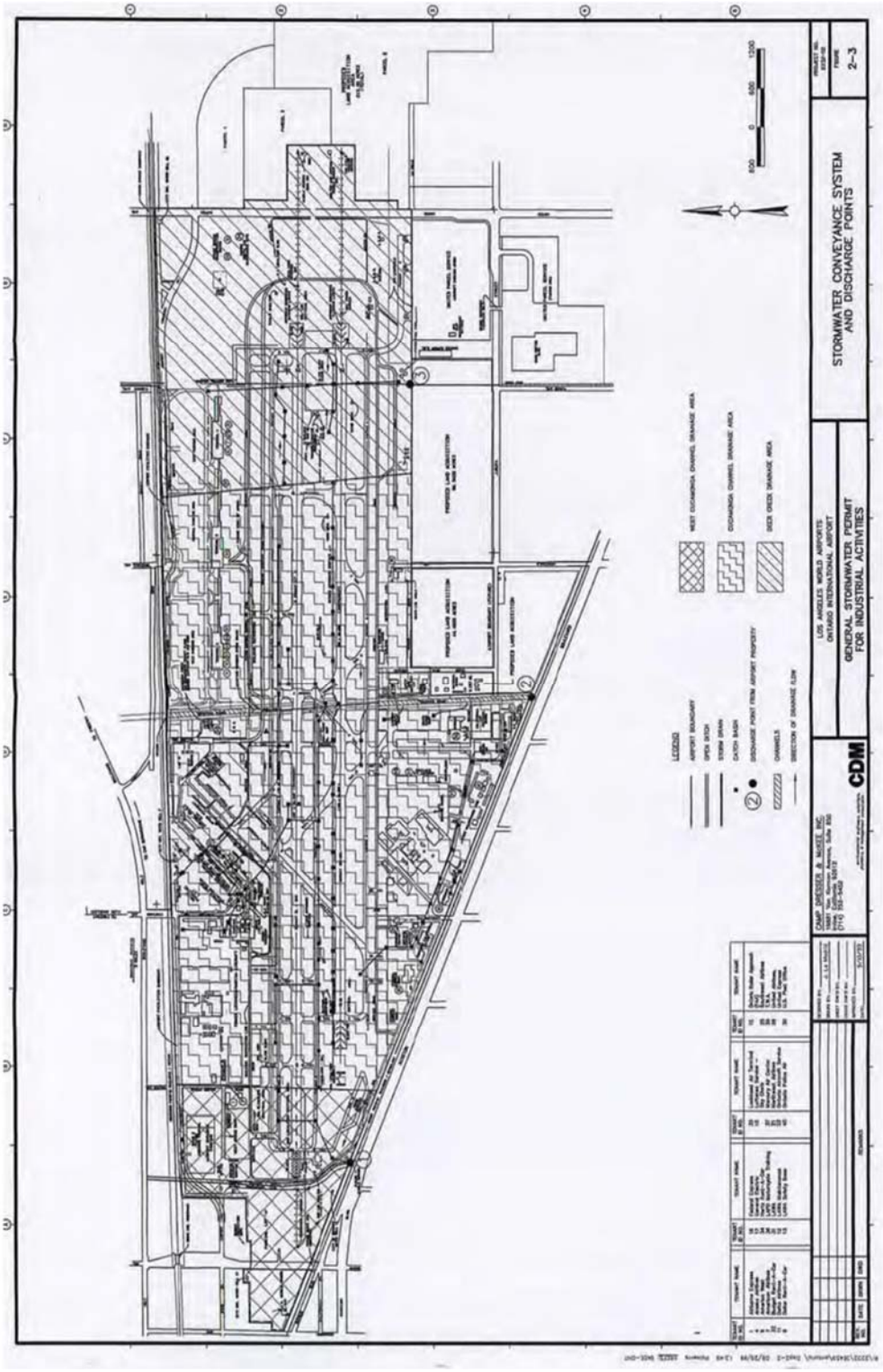
  Landside drainage into the channel includes the parking lot areas north of terminals 2 and 4 as well as several arteries that drain northerly into a header from the airfield side of the terminal areas.

  Air-side drainage includes a set of 4 separators that provide surge retention capacity prior to discharge into another header that leads into the Channel. At the intersection of the Cucamonga Channel and runway 8L-26R the open channel flows beneath the runways through a dual box culvert and continues via a concrete culvert off the airport property. This channel drains the majority of the industrial areas of ONT. The drainage area discharging into Cucamonga Channel covers 928 acres of industrial and commercial tenant facilities, runways and taxiways at ONT. Storm water runoff flows into dozens of catch basins near the former Lockheed Aircraft Services leasehold, Terminal 1, Runway 8L-26R, and the OIAA maintenance yard.

  Runoff from two open ditches, located directly east of the OIAA maintenance yard near the former General Electric (GE) Engine Test Cell facility also discharges into Cucamonga Channel. One ditch collects runoff from the swale behind the maintenance buildings and runs parallel to Mission Boulevard along the south side of the former GE Test Cell facility. The second ditch receives drainage from a series of catch basins on the southern portion of the airport. The Cucamonga Channel is an MS4 covered water body by the County of San Bernardino and flows to the Prado Flood Control Basin. The Prado Flood Control Basin discharges to the Santa Ana River which discharges into the Pacific Ocean.

- Deer Creek Drainage Area – This area receives runoff from the generally underdeveloped eastern end of the airfield. The flows from the airport directly discharge to the Creek and flows to the Cucamonga Channel. The Cucamonga Channel is an MS4 covered water body by the County of San Bernardino and flows to the Prado Flood Control Basin.

Figure 2. ONT Drainage Basins.



2.1.4 Geology and Groundwater

Items to be included (but not limited to):

- Description of underlying soil, type, thicknesses and geologic conditions
- Description of ground water depth

2.1.5 Project Description

Items to be included (but not limited to):

- Description of construction activities
- Description of limits of grading (with locations delineated on site map), with acreage number
- Volume of soil brought in as fill and/or removed from site as cut
- Description of stockpiling locations (with locations delineated on site map)
- Descriptions of construction offices, staging/laydown areas (with locations delineated on site map)
- Description of construction phasing (reference appropriate Figures)
- Percentage of impervious area of completed project

2.1.6 Developed Condition

Items to be included (but not limited to):

- Description of post-construction surface drainage (direction of flow)
- Description of post-construction conveyance systems
- Description of post-construction discharge locations
- Owner of Municipal Separate Storm Sewer System (MS4) discharged to (if applicable)
    - City of Ontario Water Quality Management Plan

2.2 Permits and Governing Documents

Include list from CASQA Template and modify accordingly, for example:

- Regional Water Board requirements
- Basin Plan requirements
- Contract Documents
- Air Quality Regulations and Permits
- Federal Endangered Species Act
- National Historic Preservation Act/Requirements of the State Historic Preservation Office
- State of California Endangered Species Act
- Clean Water Act Section 401 Water Quality Certifications and 404 Permits
- CA Department of Fish and Wildlife 1600 Streambed Alteration Agreement

2.3 Storm Water Run-on from Offsite Areas

Include appropriate narrative from CASQA Template, depending on whether or not offsite run-on is anticipated. It is preferable to prevent run-on to the active construction areas prior to a storm event by diverting the source. Methods include the use of dikes (or berms) and swales (see BMP EC-9 – Earth Dike and Drainage Swales).

As OIAA is an operating airfield, all measures must be taken to prevent ponding or standing water in any movement area of aircraft or support equipment. Appropriate planning for run-on diversion must be accounted for in the SWPPP.

2.4 Findings of Risk Determination

Show all calculations in Appendix A – Calculations.

- Complete and include Part A per CASQA Template for all SWPPPs.
- Show all calculations for Risk Assessment and include them in Appendix C (PRDs).
- Calculations for R factor must be done using the EPA's online calculator located at their website: https://www.epa.gov/npdes/rainfall-erosivity-factor-calculator-small-construction-sites. No custom or manual calculations are to be used unless the EPA online calculator is offline and the calculation must be stated as manually calculated.
- Calculations for K factor should be from SWRCB/RWQBs RUSLE K values map found on their website: http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml. Alternative calculation methodologies must be documented and meet Permit requirements.
- Calculations for LS factor must be site-specific based on the combination of average watershed slope (%) and sheet flow length (ft) as derived from "*LS Factors for Construction Sites - Table from Renard et. al., 1997*", and found in the CGP – Appendix 1. Do not rely on the geographical topography maps provided by SWRCB as they are too general in coverage.
    - If the project has multiple locations use area weighted calculations.

      For example:

      Area 1 is a 3 acre site with LS factor of 0.13;
      Area 2 is a 2 acre site with LS factor of 0.25; and
      Area 3 is a 5 acre site with LS factor of 0.06; then LS total =
      [(3ac*0.13) + (2ac*0.25) + (5ac*0.06)] ***/*** [3ac+ 2ac+ 5ac] = 0.119
      Result: Weighted LS Factor = 0.119
- Part B, the summary of risk level assessment tables 2.2 and 2.3 shall be completed and included.
- Include additional Project appropriate Risk Level narrative from CASQA Template for all SWPPPs.

2.5 Construction Schedule

Include narrative from CASQA Template. There may be variability or uncertainty regarding the initial schedule, but this section can be modified later if necessary as an Amendment or in the field SWPPP if a minor change. Address the four (4) main phases, at a minimum, as required by the Construction General Permit:

- Demolition' Grading, and Land Development Phase (Date Start)
- Streets and Utilities Phase
- Vertical Construction Phase
- Final Landscaping and Site Stabilization Phase (Date Complete – when the project qualifies for NOT)

For example:

- Demolition 1/1/16 – 2/15/16
- Grading 1/15/16 – 4-1/16
- Utilities 4/1/16 – 8/31/16
- Vertical 5/1/16 – 5/1/17
- Stabilization 5/1/17 – 8/1/17

2.6 Potential Construction Activity and Material Pollutant Sources

Complete Construction Activities and Pollutant Table in Appendix G of the SWPPP and include the template suggested language in this section.

2.7 Identification of Non-Storm Water Discharges

Include narrative from CASQA Template and identify/describe known or potential non-storm water discharges, as appropriate. Activities that may result in the discharge of unauthorized non-storm water discharges shall be listed (plumbing discharges, hydrant flushes, etc.).

2.8 Required Site Map Information

Include narrative from CASQA Template. Completion of CASQA Table 2.5 is required, accounting for each required Site Map element. The Site Map(s) shall also reflect each applicable phase of development including:

- Grading and Land Development Phase
- Streets and Utilities Phase
- Vertical Construction Phase
- Final Landscaping and Site Stabilization Phase

Section 3 Best Management Practices

All Best Management Practices (BMPs) described in this section must be shown in Table 3.1- BMP Implementation Schedule, have the associated Fact Sheets included in Appendix H – BMP Fact Sheets, and be properly identified on the drawings included in Appendix B – Site Maps.

3.1 Schedule for BMP Implementation

Populate Table 3.1 from CASQA Template. Types of BMPs to provide implementation schedules for include:

- Temporary soil stabilization BMPs
- Temporary sediment control BMPs
- Wind erosion control BMPs
- Tracking control BMPs
- Non-Storm Water BMPs
- Waste management and material pollution control BMPs

Table 3.1 BMP Implementation Schedule's "Implementation" column shall list each applicable phase of development in which they are to be employed. The suggested minimum phases include:

- Grading and Land Development Phase
- Streets and Utilities Phase
- Vertical Construction Phase
- Final Landscaping and Site Stabilization Phase

3.2 Erosion and Sediment Control

Use erosion and sediment control worksheets from CASQA Template to determine applicable BMPs based on project materials and activities. The contractor shall post a publicly visible sign with the telephone number and contact person regarding dust complaints. Conflict resolution (i.e., resolving which section has priority in instances where there is conflicting BMP implementation guidance) shall be such that the priority is, in order:

1. Section 3 descriptions, over
2. Text description in the plans, over
3. CASQA BMP Factsheets.

3.2.1 Erosion Controls

- Populate Table 3.2 – Temporary Erosion Control BMPs from CASQA Template.
- Use CASQA language (from BMP Factsheets) to provide description of site-specific implementation for each BMP being used. Narrative description of BMP use, limitations and special conditions is required.

- Wind Erosion (WE-1) – Per OIAA, the Contractor shall use reclaimed water for dust control purposes when available.
- The following BMPs shall not be utilized on a project adjacent to or on the airfield: Straw Mulch (EC-6) and Wood Mulching (EC-8).

3.2.2 Sediment Controls

- Populate Table 3.3 – Temporary Sediment Control BMPs from CASQA Template.
- Use CASQA language to provide description of site-specific implementation for each BMP being used. Narrative description of BMP use, limitations and special conditions are required.
- For Risk Levels 2 and 3, projects shall provide linear sediment control along toe of slope, face of slope, and at the grade breaks of exposed slopes.

If chosen as a BMP, the following language shall be included:

- Street Sweeping (SE-7) – the Contractor shall keep available on-site enough self-loading operational vacuum motor sweepers with spray nozzles to maintain dust control (use reclaimed water) and cleaning of pavements affected by Contractor operations.
- Straw Bale Barrier (SE-9) - this BMP shall not be utilized on a project within or adjacent to the airfield.

For OIAA Project SWPPPs, the preferred selection order of BMPs (most preferred to least preferred) for linear barrier sediment control is shown below:

Linear Barrier/Sediment Control BMPs

If chosen as a BMP, the following language shall be included:

1. Fiber Rolls (SE-5) – Only natural wrapped fiber rolls (e.g., burlap, cotton, etc.) shall be installed on all OIAA property projects. Plastic monofilament wrapped rolls shall not be used.
2. Gravel Bags (SE-6) – Use Caltrans specifications for geosynthetic (nonwoven) gravel-filled bags; gravel must be from 3/8 to 3/4 inch in diameter and must be clean and free of clay balls, organic matter, and other deleterious materials.
3. Silt Fence (SE-1) – Shall not be installed anywhere on a project without specific approval from OIAA and shall not be used within the Air Operations Area (AOA).

3.3 Non-Storm Water Controls and Waste and Materials Management

Use Non-Storm Water, Construction Materials, & Waste Management worksheet to determine applicable BMPs based on Project materials and activities.

3.3.1 Non-Storm Water Controls

- Populate Table 3.4 – Temporary Non-Storm Water BMPs from CASQA Template.
- Use CASQA language to provide description of site-specific implementation for each BMP being used. Narrative description of BMP use, limitations and special conditions is required.

Handling of Contained Storm Water. If non-contaminated storm water has accumulated on-site and needs to be removed for construction to continue, the Contractor should consider:

- Dust Control – use the accumulated storm water for dust control within the construction site. The Contractor shall follow the procedures identified in the CASQA *BMP WE-1 Wind Erosion Control*.
- Discharge – in cases where the accumulated storm water cannot be used for dust control, the stored water will need to be treated prior to discharge to the MS4. The Contractor must comply with all the CGP requirements, provisions, limitations, and prohibitions as described in the SWPPP. There may be additional requirements and/or permits from the Regional Water Quality Control Board (RWQCB) and/or the owner of the MS4. There are a variety of methods that the Contractor can use to treat the water prior to discharge; see the guidance in CASQA *BMP NS-2 – Dewatering Operations*.

Paving and Grinding. In order to prevent the discharge of materials into the storm water prior to a forecasted precipitation event:

- Paving – follow manufacturer's recommendations to allow for sufficient curing of the material, prior to the onset of precipitation.
- Grinding – allow sufficient time for clean-up prior to the onset of precipitation.

3.3.2 Materials and Waste Management

- Populate Table 3.5 – Temporary Materials Management BMPs from CASQA Template.
- Stockpiles (WM-5) – Stockpile locations require pre-approval by OIAA. They shall be located such that access by construction vehicles minimizes disruption to adjacent public streets consistent with all impact mitigations outlined in the FAA Haul Route Plan in the Construction Safety and Phasing Plan.
- Concrete Waste Management (WM-8) Protect stockpiles of rock and earth materials that are not actively being used with a dust control product such as: water spray (reclaimed water shall be used for dust control), proprietary non-toxic crusting agents, anchored geotextile fabric or tarps, erosion control fabric, seeding, or other methods approved by OIAA. Note: bituminous prime coat products for dust control are not acceptable.
- Provide description of site-specific implementation and locations for each BMP being used.
- Provide a Spill Prevention and Emergency Response Plan in accordance with Permit requirements (see Attachment 2 – SWPPP Spill Response Plan).
- Use CASQA language to provide description of site-specific implementation for each BMP being used. Narrative description of BMP use, limitations and special conditions is required.

3.4 Post Construction Storm Water Management Measures

Include narrative from CASQA Template. Detail the components used to satisfy agency SUSMP and/or LID requirements. Final design of the post-construction measures must be described including stabilization, MS4 compliance (e.g., infiltration/treatment BMPs), and the relevant MS4 agency acceptance must be included for the NOT.

Compliance verification with the MS4 requirements water balance/discharge reduction must be provided to OIAA prior to completion of the Project. MS4 approval of the SUSMP/LID for the Project will not hold up the approval of the SWPPP for Permit application, but it will prevent the Permit from being Terminated. Therefore, the project proponent shall provide proof of MS4 compliance documentation to the LRP as soon as it is available.

Section 4 Bmp Inspection, Maintenance, And Rain Event Action Plans

4.1 BMP Inspection and Maintenance

Include statement from CASQA Template. Provide blank inspection forms in Appendix I.

4.2 Rain Event Action Plans (REAP) [RL 2 and 3 ONLY]

If the project is a Risk Lever 1 (RL1) Project then include the following statement: “Rain Event Action Plans are not applicable to a Risk Level 1 Project.” Otherwise, include the narrative from CASQA Template with respect to RL2 and RL3 Projects. At a minimum, the REAP must include the following site and phase-specific information:

- Site Address
- Calculated Risk Level
- Site Storm Water Manager info (Name, Title, Company, 24-hr Phone Number) [QSP/Superintendent]
- Erosion and Sediment control provider info (i.e. Name, Title, Company, 24-hr Phone Number)
- Storm water sampling agent info (typically the QSP/Superintendent)

As the QSD, this is where the identification of each construction phase is important. A REAP template will need to be provided with the SWPPP and will need to be able to address each phase of construction of the Project. Information such as the following must be provided:

- Activities associated with each construction phase
- Trades active on the construction site during each phase
- Trade contractor info
- Recommended actions for each project phase

Section 5 Training

Include narrative from CASQA Template. Also, provide training logs and certifications in Appendix K.

Section 6 Responsible Parties and Operators

6.1 Responsible Parties

Populate list of Approved Signatories and include encompassing narrative from CASQA Template. The Approved Signatory information is available from the OIAA Project Manager or designee.

The bullet under QSP responsibilities that addresses authority to mobilize crews and resources shall change the wording from “authority by the LRP to mobilize crews” to “authority by the Contractor to mobilize crews”. Change the wording of the notification requirements bullet to include the OIAA Project Manager or designee and Contractor Project Manager (in addition to the LRP or Authorized Signatory).

6.2 Contractor List

Include fields from CASQA Template and populate accordingly. The supplied text can be copied to create additional entries as appropriate. This should be the Prime Contractor in charge of the execution of the Project. Include a reference to Appendix M for the subcontractor contact information.

Section 7 Construction Site Monitoring Program (CSMP)

The CSMP includes monitoring procedures and instructions, location maps, forms, checklists, and descriptions of the Project site's drainage patterns and discharge locations. The CSMP should be developed to meet the requirements of all Projects under the Construction General Permit while also addressing elements specific to the Project's risk level.

Table 1 below aids in the development of the CSMP by presenting each of Sections 7's subsections' applicability to each individual risk level (Note: Table 1 is a reference table and is not to be included into the SWPPP). While most subsections apply to all Ontario International Airport Authority Projects, several require additional content specific to Risk Level 2 and Risk Level 3 Projects. Utilize Table 1 as well as recommended language from the CASQA Template in order to develop the CSMP. The CSMP shall include the name of the designated laboratory used for sample collection and analyses (see CSMP Section 7.7.2.3).

Within five (5) days of the inspection, the QSP shall submit copies of the inspection report to the OIAA Project Manager (who should be named) or designee and initiate corrective actions within 72 hours of identification per permit requirements.

Table 1: Section 7 Applicability to Project Risk Level[1]

Section #	CASQA Template Section	All Projects	Additional	
			Risk Level 2 (RL 2)	Risk Level 3 (RL 3)
7.1	Purpose	X		
7.2	Applicability to Permit Requirements	X		
7.3	Weather and Rain Even Tracking	X	X	X
7.3.1	Weather Tracking	X		
7.3.2	Rain Gauge	X		
7.4	Monitoring Locations	X		
7.5	Safety and Monitoring Exemptions	X		
7.6	Visual Monitoring	X		
7.6.1	Routine Observations and Inspections	X		
7.6.2	Rain-Event Triggered Observations and inspections	X		
7.6.2.1	Visual Observations Prior to a Forecasted Qualifying Rain Event	X		
7.6.2.2	BMP Inspections During an Extended Storm Event	X		
7.6.2.3	Visual Observation Following a Qualifying Rain Event	X		
7.6.3	Visual Monitoring Procedures	X		
7.6.4	Visual Monitoring Follow-up and Reporting	X		
7.6.5	Visual Monitoring Locations	X		

Table 1: Section 7 Applicability to Project Risk Level

Section #	CASQA Template Section	All Projects	Additional	
			Risk Level 2 (RL 2)	Risk Level 3 (RL 3)
7.7	Water Quality Sampling and Analysis	X		
7.7.1	Sampling and Analysis Plan for Non-Visible Pollutants in Storm Water Runoff Discharges[10]	X	X	X
7.7.1.1	Sampling Schedule	X		
7.7.1.2	Sampling Locations	X	X	X
7.7.1.3	Monitoring Preparations	X		
7.7.1.4	Analytical Constituents	X		
7.7.1.5	Sample Collection	X		
7.7.1.6	Sample Analysis	X		
7.7.1.7	Data Evaluation and Reporting	X		
7.7.2	Sampling and Analysis Plan for pH and Turbidity in Storm Water Runoff Discharges		RL 2 and 3 ONLY[3]	
7.7.2.1	Sampling Schedule		RL 2 and 3 ONLY	
7.7.2.2	Sampling Locations		RL 2 and 3 ONLY	
7.7.2.3	Monitoring Preparations		RL 2 and 3 ONLY[2]	
7.7.2.4	Field Parameter		RL 2 and 3 ONLY	
7.7.2.5	Sample Collection		RL 2 and 3 ONLY	
7.7.2.6	Field Measurements		RL 2 and 3 ONLY	
7.7.2.7	Data Evaluation and Reporting		RL 2 and 3 ONLY	
7.7.3	Additional Monitoring Following a RWMT Exceedance			RL 3 ONLY[4]
7.7.3.1	Sampling Analysis Plan for Suspended Sediment Concentration in Storm Water Runoff			RL 3 ONLY
7.7.3.1.1	Sampling Schedule and Locations			RL 3 ONLY
7.7.3.1.2	Monitoring Preparation			RL 3 ONLY[2]
7.7.3.1.3	Sample Collection and Analysis			RL 3 ONLY
7.7.3.1.4	Data Evaluation			RL 3 ONLY
7.7.3.2	Sampling Analysis for pH, Turbidity, and SSC in Receiving Water			RL 3 ONLY[5]
7.7.3.2.1	Sample Schedule and Locations			RL 3 ONLY[6]
7.7.3.2.2	Monitoring Preparation			RL 3 ONLY[2]
7.7.3.2.3	Sample Collection and Analysis			RL 3 ONLY
7.7.3.2.4	Data Evaluation			RL 3 ONLY

Table 1: Section 7 Applicability to Project Risk Level

Section #	CASQA Template Section	All Projects	Additional	
			Risk Level 2 (RL 2)	Risk Level 3 (RL 3)
7.7.4	Sampling and Analysis Plan for Non-Storm Water		RL 2 and 3 ONLY[3]	
7.7.4.1	Sampling Schedule		RL 2 and 3 ONLY	
7.7.4.2	Sampling Locations		RL 2 and 3 ONLY	
7.7.4.3	Monitoring Preparation		RL 2 and 3 ONLY[2,7]	
7.7.4.4	Analytical Constituents		RL 2 and 3 ONLY	
7.7.4.5	Sample Collection		RL 2 and 3 ONLY	
7.7.4.6	Sample Analysis		RL 2 and 3 ONLY	
7.7.4.7	Data Evaluation and Reporting		RL 2 and 3 ONLY	
7.7.5	Sampling and Analysis Plan for Other Pollutants Required by the Regional Water Board		RL 2 and 3 ONLY[8]	
7.7.5.1	Sampling Schedule		RL 2 and 3 ONLY	
7.7.5.2	Sampling Locations		RL 2 and 3 ONLY	
7.7.5.3	Monitoring Preparation		RL 2 and 3 ONLY[2,7]	
7.7.5.4	Sampling Collection		RL 2 and 3 ONLY	
7.7.5.5	Sample Analysis		RL 2 and 3 ONLY	
7.7.5.6	Data Evaluation and Reporting		RL 2 and 3 ONLY	
7.7.6	Training of Sampling Personnel	X		
7.7.7	Sample Collection and Handling	X		
7.7.7.1	Sample Collection	X		
7.7.7.2	Sample Handling	X		
7.7.7.3	Sample Documentation Procedures	X		
7.8	Active Treatment System Monitoring	X[9]		
7.9	Bioassessment Monitoring			RL 3 ONLY[4]
7.10	Watershed Monitoring Option	NA		
7.11	Quality Assurance and Quality Control	X		
7.11.1	Field Logs	X		
7.11.2	Clean Sampling Techniques	X		
7.11.3	Chain of Custody	X		
7.11.4	QA/QC Samples	X		
7.11.4.1	Field Duplicates	X		
7.11.4.2	Equipment Blanks	X		
7.11.4.3	Field Blanks	X		
7.11.4.4	Travel Blanks	X		
7.11.5	Data Verification	X		
7.12	Records Retention	X		

1. Risk Level 1 Projects delete text related to NALs, NELs, and REAPs. Risk Level 2 Projects delete text related to NELs.
2. CSMP Attachment 3 shall include the Chain-of-Custody from the laboratory identified in CSMP Section 7.7.2.3.
3. Risk Level 1 Projects include statement from CASQA Template and delete rest of section.
4. Risk Level 1 and 2 Projects include statement from CASQA Template and delete rest of section.
5. Additional requirements, depending on whether Project has or does not have a direct discharge to a receiving water.
6. Additional requirements, depending on whether the receiving water is or is not located on the Project site.
7. Additional requirements if Contracted Personnel will collect field measurements.
8. Risk Level 1 Projects and Risk Level 2 and 3 Projects not requiring additional monitoring by the Regional Water Board include statement from CASQA Template and delete rest of section.
9. Additional requirements, depending on whether an Active Treatment System (ATS) will or will not be deployed.
10. In the event of a spill, see the Ontario International Airport Authority SWPPP Spill Response Plan in Attachment 2 of this document.

CSMP Attachments 1 – 5

Include the required documents listed in the CASQA Template in this Section.

Section 8 References

Include statement from CASQA Template and add additional references accordingly.

Appendix A – Calculations

Include calculations used to develop the SWPPP.

Appendix B – Site Maps

Include Site Maps per CASQA Template. Include all phases of the construction project (at a minimum there will be an initial phase and a final phase showing stabilization). Refer to *Section 3 – Best Management Practices* and the corresponding Fact Sheets included in *Appendix H – Construction Fact Sheets*; the Site Maps must show the layout of all identified BMPs and lands utilized by the Project including:

- Haul roads – use the FAA Construction Safety and Phasing Plan (CSPP), and
- Laydown yards.

Appendix C – Permit Registration Documents (PRDs)

Include copies of PRDs listed in CASQA Template as available for SWPPP submitted to OIAA (i.e., Risk Assessment, Post Construction Water Balance, Site Map), and subsequently completed once the WDID is issued (i.e., NOI, Certification, Annual Fee Receipt, etc.). Include and complete PRD checklist from the Template.

- Risk Assessment calculations for LS; include a map illustrating your calculations (show transects for each calculated area).
    - **NOTE**: Calculations for LS factor must be site-specific (do not rely on the geographical topography maps provided by SWRCB as they are too general in coverage). If the project has multiple locations use area weighted calculations.
    - **EXAMPLE: Weighted Calculations for determining LS Factor**:

      Area 1 is a 3 acre site with LS factor of 0.13;
      Area 2 is a 2 acre site with LS factor of 0.25; and
      Area 3 is a 5 acre site with LS factor of 0.06; then
      LS_{total} = [(3ac*0.13) + (2ac*0.25) + (5ac*0.06)] / [3ac+ 2ac+ 5ac] = 0.119

      Weighted LS Factor = 0.119
- MS4 Permit
- Post-construction compliance documentation and approvals
    - SUSMP
    - WQMP
    - LID

Appendix D – SWPPP Amendment Certifications

Include certification statement included in CASQA Template. The required OIAA standards for amending the SWPPP include:

- Redline/strikeout format for changing or updating the text. A note in the SWPPP for revised sections referencing the amendment is required.
- When a Change-of-Information (COI) is required (i.e., adding or removing acreage,

revising the dates, new ownership, etc.), the information needs to be entered into the SMARTS database (COI tab), the amendment uploaded to SMARTS, and the LRP notified to certify the submission prior to Board approval.
    - Place the appropriate notice of approval(s) here, along with the amendment.
- Update the amendment log.

Appendix E – Submitted Changes to PRDs

Include log of updated PRDs included in CASQA Template.

Appendix F – Construction Schedule

Include a copy of Project construction schedule as it relates to the Storm Water Pollution Prevention Plan (SWPPP). The schedule should indicate the dates and phases of BMP implementation, so that it is clear that this schedule is relevant to the SWPPP and not the construction contract milestones.

EXAMPLE: Construction Schedule

Phase	Description	Start	End	BMP's Utilized
1	Mobilization	8/1/2015	10/2/2015	BMP's listed here shall: • Match Section 3 description; • Be identified on the Site Maps in Appendix B; and • Include Fact Sheets in Appendix H.
2	Grading	10/2/2015	11/4/2015	
3	Utilities	11/5/2015	8/1/2016	
4	Vertical	10/3/2015	8/1/2016	
5	Paving	6/1/2016	8/1/2016	
6	Stabilization	8/2/2016	10/2/2016	

Appendix G – Construction Activities, Materials Used, and Associated Pollutants

Using CASQA Handbook Table G.a (Pollutants Associated with Construction Activity), populate CASQA Table G.1. Add (Remove) additional (inapplicable) construction phases as appropriate.

Appendix H – CASQA Storm Water BMP Handbook Portal: Construction Fact Sheets

All Best Management Practices (BMPs) described in Section 3, listed in Table 3-1 BMP Implementation Schedule, must have the associated Fact Sheets included in Appendix H and properly be identified in Appendix B – Site Maps.

Appendix I – BMP Inspection Form

Identify Risk Level and include BMP Inspection Report from CASQA Template. For Risk Level 2 or 3 only include the highlighted text (but not as highlighted in the form). An alternative form may be utilized, as long as Permit Reporting requirements are met in the form. This form should be customized to the Project and Risk Level.

Appendix J – Project Specific Rain Event Action Plan Template

Include the REAP Template from CASQA Template and modify for use by the QSP accordingly. If this is a Risk Level 1 project, state that "*REAPs are not applicable for Risk Level 1 projects*" and remove the form from this appendix.

Appendix K – Training Reporting Form

Include Trained Contractor Personnel Log from CASQA Template.

Appendix L – Responsible Parties

Include Authorization of Approved Signatories, Identification of QSP, and Authorization of Data Submitters (optional) forms from CASQA Template. OIAA retains Data Submitter responsibilities.

Appendix M – Contractors and Subcontractors

List Contractors and Subcontractors and their respective contact information in this Appendix (see Attachment 3 for an example).

Appendix N – Construction General Permit

Provide only a copy of the CGP Permit Order and the applicable Risk Level (CGP Appendix C, D, or E). Include the following language on the Appendix main page: “A copy of the complete Construction General Permit (Order No. 2009-0009-DWQ, amended by Order Nos. 2010-0014-DWQ & 2012-0006-DWQ) can be found at the following location: http://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/constpermits/wqo_2009_0009_complete.pdf ”

Appendix O – Annual Report and Notice of Termination

Provide a copy of the Annual Report (once it’s filed) in the field copy of the SWPPP. When the project has been successfully closed, include a copy of the Notice of Termination approval notice. Submit to the OIAA Project Manager or designee upon completion of the Project.

Attachment 1

SWPPP Preparation Checklist

This checklist must be completed by the preparer and submitted with the SWPPP. If for any reason Project-specific conditions necessitate deviation from advised CASQA Template language or the guidance in this manual, each change/deviation and reason for the change/deviation should be documented in the 'Comments' column of the checklist.

In order to be marked as satisfied, each of the items in the Checklist shall meet all additional requirements described in Section 1 of this manual.

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
Title Page & Project General Information		
o Name of Project [Title Page]	Yes ☐ No ☐	
o Risk Level	Yes ☐ No ☐	
o Project Location (e.g. address) [Title Page]	Yes ☐ No ☐	
o City & State of Project [Title Page]	Yes ☐ No ☐	
o LRP Name [Title Page]	Yes ☐ No ☐	
o Address		
o City, State, Zip		
o Telephone and Fax		
o Title		
o QSD Name [Title Page]	Yes ☐ No ☐	
o Address		
o City, State, Zip		
o Telephone and Fax		
o Title/ Certification #		
o QSP Name [Title Page]	Yes ☐ No ☐	
o Address		
o City, State, Zip		
o Telephone and Fax		
o Title/ Certification #		
o SWPPP Preparation Date [Title Page]	Yes ☐ No ☐	
o Project Construction Dates [Title Page]	Yes ☐ No ☐	
o Table of Contents [General]	Yes ☐ No ☐	
o QSD Certification Page [General]	Yes ☐ No ☐	
o LRP Certification Page [General]	Yes ☐ No ☐	
o Amendment Log [General]	Yes ☐ No ☐	
Section 1 SWPP Requirements		
1.1 Introduction		
o Include suggested narrative from CASQA Template	Yes ☐ No ☐	
1.2 Permit Registration Documents (PRDs)		
o Identify the PRDs which shall be submitted	Yes ☐ No ☐	
1.3 SWPPP Availability and Implementation		
o Include suggested narrative from CASQA Template	Yes ☐ No ☐	
1.4 SWPPP Amendments		
o Provide direction regarding circumstances under which SWPPP amendments are required	Yes ☐ No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?		Comments
1.5 Retention of Records			
o Include suggested narrative from CASQA Template	Yes ☐	No ☐	
1.6 Required Non-Compliance Reporting			
o Include suggested narrative from CASQA Template	Yes ☐	No ☐	
1.7 Annual Report			
o Include suggested narrative from CASQA Template	Yes ☐	No ☐	
o Instructions for reporting info to OIAA included	Yes ☐	No ☐	
1.8 Changes to Permit Coverage			
o Include suggested narrative from CASQA Template	Yes ☐	No ☐	
1.9 Notice of Termination			
o Include suggested narrative from CASQA Template	Yes ☐	No ☐	
Section 2 SWPP Project Information			
2.1 Project and Site Description			
2.1.1 Site Description			
o Name of Project	Yes ☐	No ☐	
o Size of Project	Yes ☐	No ☐	
o Address and description of location with nearby major roads	Yes ☐	No ☐	
o Describe nearby water bodies	Yes ☐	No ☐	
o Project's Lat/Long	Yes ☐	No ☐	
2.1.2 Existing Conditions			
o Describe site previous land use	Yes ☐	No ☐	
o Describe site proposed land use	Yes ☐	No ☐	
o Describe potential or known contamination sources	Yes ☐	No ☐	"No known contaminants exist" is a response
2.1.3 Existing Drainage			
o Describe site topography	Yes ☐	No ☐	
o Describe site elevation range	Yes ☐	No ☐	
o Describe surface drainage courses, conveyance systems	Yes ☐	No ☐	
o Describe and list receiving water bodies	Yes ☐	No ☐	Project to ocean
2.1.4 Geology and Groundwater			
o Describe underlying soil, type, thicknesses and geologic conditions	Yes ☐	No ☐	
o Describe ground water depth	Yes ☐	No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?			Comments
2.1.5 Project Description				
o Describe construction activities	Yes ☐	No ☐		
o Describe limits of grading and show on site map	Yes ☐	No ☐		
o Describe stockpiling locations and show on site map	Yes ☐	No ☐	N/A☐	
o Describe construction phasing	Yes ☐	No ☐		
o Impervious % (after project?)	Yes ☐	No ☐		
2.1.6 Developed Condition				
o Describe post-construction surface drainage	Yes ☐	No ☐		
o Describe post-construction conveyance systems	Yes ☐	No ☐		
o Describe post-construction discharge locations	Yes ☐	No ☐		
o Owner of MS4 discharged to (if applicable)	Yes ☐	No ☐	N/A☐	
2.2 Permits and Governing Documents				
o List permits and other governing documents relevant to the Project and key requirements associated with Water Quality	Yes ☐	No ☐	N/A☐	
2.3 Storm Water Run-on From Offsite Areas				
o Describe if Project anticipates to receive offsite run-on	Yes ☐	No ☐		
o If so, describe sources, drainage area contributing	Yes ☐	No ☐	N/A☐	
o Describe proposed BMPs for run-on	Yes ☐	No ☐	N/A☐	
2.4 Findings of Risk Determination				
o Risk Level	Yes ☐	No ☐		
o Methods and Assumptions used	Yes ☐	No ☐		
o RUSLE Factors/Sediment Risk Summary	Yes ☐	No ☐		
o Receiving Water Risk Summary	Yes ☐	No ☐		
o NAL Table [Risk Level 2 Only]	Yes ☐	No ☐	N/A☐	
o NAL and NEL Table [Risk Level 3 Only]	Yes ☐	No ☐	N/A☐	
2.5 Construction Schedule				
o Start date	Yes ☐	No ☐		
o Grading and Land Development Phase	Yes ☐	No ☐	N/A☐	
o Streets and Utilities Phase	Yes ☐	No ☐	N/A☐	
o Vertical Construction Phase	Yes ☐	No ☐	N/A☐	
o Final Landscaping and Site Stabilization Phase	Yes ☐	No ☐	N/A☐	
o Completion date (NOT)	Yes ☐	No ☐		
2.6 Potential Construction Activity and Material Pollutant Sources				
o List Construction Activities	Yes ☐	No ☐		
o List Construction Materials	Yes ☐	No ☐		

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?			Comments
2.7 Identification of Non-Storm Water Discharges				
o List authorized non-storm water discharges	Yes ☐	No ☐		
o List activities for potential unauthorized non-storm water discharges	Yes ☐	No ☐		
2.8 Required Site Map Information				
o See Appendix B	Yes ☐	No ☐		
Section 3 Schedule BMP Implementation				
3.1 Schedule for BMP Implementation				
o Temporary soil stabilization BMPs	Yes ☐	No ☐		
o Temporary sediment control BMPs	Yes ☐	No ☐		
o Wind erosion control BMPs	Yes ☐	No ☐		
o Tracking control BMPs	Yes ☐	No ☐		
o Non-storm water BMPs	Yes ☐	No ☐		
o Waste management and material pollution control BMPs	Yes ☐	No ☐		
o BMP Implementation Schedule (CASQA Table 3.1)	Yes ☐	No ☐		
3.2 Erosion and Sediment Control				
o Use erosion and sediment control worksheets to determine applicable BMPs based on Project materials and activities	Yes ☐	No ☐		
3.2.1 Erosion Controls				
o Temporary Erosion Control and Wind Control	Yes ☐	No ☐		
o BMPs (CASQA Table 3.2)	Yes ☐	No ☐		
o Provide description of site-specific implementation for each BMP being used	Yes ☐	No ☐		
o Included BMPs are in Appendix B, H	Yes ☐	No ☐		
3.2.2 Sediment Controls				
o Temporary Sediment Control and Tracking Control BMPs (CASQA Table 3.3)	Yes ☐	No ☐		
o Provide description of site-specific implementation for each BMP being used	Yes ☐	No ☐		
o Projects shall provide linear sediment control along toe of slope, face of slope, and at the grade breaks of exposed slopes. [RL 2 and 3]	Yes ☐	No ☐	N/A☐	
o Included BMPs are in Appendix B, H	Yes ☐	No ☐		

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
3.3 Non-Storm Water Controls and Waste and		
o Materials Management	Yes ☐ No ☐	
o Use non-storm water, construction materials, and waste management worksheet to determine applicable BMPs based on Project materials and activities	Yes ☐ No ☐	
o Included BMPs are in Appendix B, H	Yes ☐ No ☐	
o Dewatering of excavations accounted for	Yes ☐ No ☐	
3.3.1 Non-Storm Water Controls		
o Temporary Non-Storm water BMPs (CASQA Table 3.4)	Yes ☐ No ☐ N/A☐	
o Provide description of site-specific implementation for each BMP being used	Yes ☐ No ☐	
o Included BMPs are in Appendix B, H	Yes ☐ No ☐	
o Dewatering of excavations accounted for	Yes ☐ No ☐ N/A☐	
3.3.2 Materials and Waste Management		
o Temporary Materials Management BMPs (CASQA Table 3.5)	Yes ☐ No ☐	
o Provide description of site-specific implementation for each BMP being used.	Yes ☐ No ☐	
o Waste management conducted in accordance with Projects Construction Waste Management Plan	Yes ☐ No ☐ N/A☐	
o Included BMPs are in Appendix B, H	Yes ☐ No ☐	
3.4 Post Construction Storm Water Management Measures		
o Include a written narrative to describe Post Construction BMPs and show locations on Site Maps	Yes ☐ No ☐ N/A☐	
o Is Project in an area subject to Phase I or Phase II MS4 permit approved Storm Water Management Plan	Yes ☐ No ☐	
o If yes, is post construction runoff reduction requirement satisfied (Municipal Permit provided)	Yes ☐ No ☐	
o List all applicable site design, source control, and treatment control BMPs	Yes ☐ No ☐ N/A☐	
Section 4 BMP Inspection, Maintenance, and Rain Event Action Plans		
4.1 BMP Inspection and Maintenance		
o Statement about BMP inspection and maintenance requirements	Yes ☐ No ☐	
o Provide blank inspection forms in Appendix I	Yes ☐ No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
4.2 Rain Event Action Plans (REAP) [RL 2 and 3]		
o Include requirement and procedure for preparing and implementing a REAP	Yes ☐ No ☐ N/A☐	
o REAP info:	Yes ☐ No ☐ N/A☐	
o Site Address	Yes ☐ No ☐ N/A☐	
o Calculated Risk Level	Yes ☐ No ☐ N/A☐	
o Site Storm Water Manager info (Name, Title, Company, 24-hr Phone Number)	Yes ☐ No ☐ N/A☐	
o Erosion and Sediment control provider info (i.e. Name, Title, Company, 24-hr Phone Number)	Yes ☐ No ☐ N/A☐	
o Storm water sampling agent info (Name, Title, Company, 24-hr Phone Number)	Yes ☐ No ☐ N/A☐	
o Activities associated with each construction phase	Yes ☐ No ☐ N/A☐	
o Trades active on the construction site during each phase	Yes ☐ No ☐ N/A☐	
o Trade contractor info	Yes ☐ No ☐ N/A☐	
o Recommended actions for each project phase	Yes ☐ No ☐ N/A☐	
Section 5 Training		
5.1 Training		
o Statement about training requirements and documentation	Yes ☐ No ☐	
o Provide training logs in Appendix K	Yes ☐ No ☐	
Section 6 Responsible Parties and Operators		
6.1 Responsible Parties		
o List Approved Signatories	Yes ☐ No ☐	
o Include LRP written authorization in Appendix L	Yes ☐ No ☐	
6.2 Contractor List		
o List all Prime Contractors for Project (Name, Title, Company, Address, 24-hr Phone Number)	Yes ☐ No ☐	
o List of all intended subcontractors in Appendix M	Yes ☐ No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
Section 7 Construction Site Monitoring Program (CSMP)		
7.1 Purpose o Statement about objectives that the CSMP was developed to address the Risk Level	Yes ☐ No ☐	
7.2 Applicability of Permit Requirements o Include Project Risk Level and bullet the types of monitoring activities required and applicable to that particular Risk Level	Yes ☐ No ☐	
7.3 Weather and Rain Event Tracking o Statement about the weather and rain event tracking required based on Risk Level	Yes ☐ No ☐	
7.3.1 Weather Tracking o Identify tools QSP will use to track weather and precipitation.	Yes ☐ No ☐	
7.3.2 Rain Gauge o Identify number of rain gauges on site and locations.	Yes ☐ No ☐	
7.4 Monitoring Locations o Identify all upstream and downstream monitoring/sampling locations	Yes ☐ No ☐	
7.5 Safety and Monitoring Exemptions o Identify governing safety documents (e.g. Health and Safety Plan) N/A o A description of site safety hazards, particularly during visual monitoring and sample collection o Identify scheduled business hours o Identify permit-specified sampling/observation exemptions N/A	Yes ☐ No ☐ N/A☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ N/A☐	
7.6 Visual Monitoring o Include narrative describing visual monitoring requirements o Summary of Visual Monitoring and Inspections (CASQA Table 7.1)	Yes ☐ No ☐ Yes ☐ No ☐	
7.6.1 Routine Observations and Inspections o Provide narrative for 7.6.1.1 Routine BMP Inspections and 7.6.1.2 Non-Storm Water Discharge Observations	Yes ☐ No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
7.6.2 Rain-Event Triggered Observations and Inspections		
o Include suggested narrative for when rain event observations and inspections are conducted (see CASQA template)	Yes ☐ No ☐	
7.6.2.1 Visual Observations Prior to a Forecasted Qualifying Rain Event		
o Include suggested narrative for how pre-storm observations will be made (see CASQA template)	Yes ☐ No ☐	
7.6.2.2 BMP Inspections During an Extended Storm Event		
o Include suggested narrative for inspections during an extended storm event (see CASQA template)	Yes ☐ No ☐	
7.6.2.3 Visual Observation Following a Qualifying Rain Event		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.6.3 Visual Monitoring Procedures		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
o List assigned and alternate inspectors and provide names, contact numbers and training qualifications in Appendix K	Yes ☐ No ☐	
7.6.4 Visual Monitoring Follow-up and Reporting		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.6.5 Visual Monitoring Locations		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
o Locations shown on Site Maps	Yes ☐ No ☐	
o Sampling locations at Site Drainage Areas (CASQA template Table 7.2)	Yes ☐ No ☐	
o Sampling locations at Storm Water Storage and Containment Areas (CASQA template Table 7.3) N/A	Yes ☐ No ☐ N/A☐	
o Sampling locations at Site Storm Water Discharge Locations (CASQA template Table 7.4)	Yes ☐ No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
7.7 Water Quality Sampling and Analysis		
7.7.1 Sampling and Analysis Plan for Non-Visible Pollutants in Storm Water Runoff Discharges		
o Include narrative to list or describe all potential sources of non-visible pollutants for all construction materials, wastes or activities; existing site features; soil amendments; and off-site storm water run-on	Yes ☐ No ☐	
7.7.1.1 Sampling Schedule		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.7.1.2 Sampling Locations		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
o Non-visible Pollutant Sampling Locations – Contractor's Yard (CASQA template Table 7.6)	Yes ☐ No ☐	
o Non-visible Pollutant Sampling Locations – Soil Amendment Areas (CASQA template Table 7.7)	Yes ☐ No ☐ N/A☐	
o Non-visible Pollutant Sampling Locations – Areas of Historical Contamination (CASQA template Table 7.8)	Yes ☐ No ☐ N/A☐	
o Non-visible Pollutant Sampling Locations – Site Run-on (CASQA template Table 7.9)	Yes ☐ No ☐ N/A☐	
7.7.1.3 Monitoring Preparation		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Contractor sampling personnel name and telephone number	Yes ☐ No ☐ N/A☐	
o Effluent Sampling Field Logs and Chain of Custody forms	Yes ☐ No ☐ N/A☐	
o Laboratory or environmental consultant company name, address, telephone number, point of contact, name of samplers, name of alternates	Yes ☐ No ☐ N/A☐	
7.7.1.4 Analytical Constituents		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Potential Non-visible Pollutants and Water Quality Indicator Constituents (CASQA template Table 7.11)	Yes ☐ No ☐ N/A☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
7.7.1.5 Sample Collection		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.1.6 Sample Analysis		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Laboratory Name, address, telephone number, point of contact, ELAP certification	Yes ☐ No ☐ N/A☐	
o Sample Collection, Preservation and Analysis for Monitoring Non-visible Pollutants (CASQA template Table 7.12)	Yes ☐ No ☐ N/A☐	
7.7.1.7 Data Evaluation and Reporting		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.2 Sampling and Analysis Plan for pH and Turbidity in Storm Water Runoff Discharges [RL 2 and 3]		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.2.1 Sampling Schedule		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.2.2 Sampling Locations		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Turbidity and pH Runoff Sample Locations (CASQA template Table 7.13)	Yes ☐ No ☐ N/A☐	
o Turbidity and pH Run-on Sample Locations (CASQA template Table 7.14)	Yes ☐ No ☐ N/A☐	
7.7.2.4 Field Parameters		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Sample Collection and Analysis for Monitoring Turbidity and pH (CASQA template Table 7.15)	Yes ☐ No ☐ N/A☐	
7.7.2.5 Sample Collection		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.2.6 Field Measurements		

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Field Instruments and include manufacturer's instructions (CASQA template Table 7.16)	Yes ☐ No ☐ N/A☐	
7.7.2.7 Data Evaluation and Reporting	Yes ☐ No ☐ N/A☐	
o Include suggested narrative from CASQA template		
7.7.3 Additional Monitoring Following an NEL Exceedance [RL 3]	Yes ☐ No ☐ N/A☐	
o Statement of non-applicability (i.e. RLI)		
7.7.3.1 Sampling and Analysis Plan for Suspended Sediment Concentration in Storm Water Runoff Discharges		
7.7.3.1.1 Sample Schedule and Locations		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.3.1.2 Monitoring Preparation		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.3.1.3 Sample Collection and Analysis		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Sample Collection and Analysis for Monitoring Suspended Sediment Concentration (CASQA template Table 7.19)	Yes ☐ No ☐ N/A☐	
7.7.3.1.4 Data Evaluation		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.3.2 Sampling and Analysis for pH, Turbidity, and SSC in Receiving Water		
7.7.3.2.1 Sample Schedule and Locations		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Receiving Water Sample Locations (CASQA template Table 7.20)	Yes ☐ No ☐ N/A☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
7.7.3.2.2 Monitoring Preparation		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.3.2.3 Sample Collection and Analysis		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.3.2.4 Data Evaluation		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.4 Sampling and Analysis Plan for Non-Storm Water Discharges		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.4.1 Sampling Schedule		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.4.2 Sampling Locations		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Fill in sampling locations for Project runoff and run-on	Yes ☐ No ☐ N/A☐	
7.7.4.3 Monitoring Preparation		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Contractor sampling personnel name and telephone number	Yes ☐ No ☐ N/A☐	
o Effluent Sampling Filed Logs and Chain of Custody forms	Yes ☐ No ☐ N/A☐	
o Laboratory or environmental consultant company name, address, telephone number, point of contact, name of samplers, name of alternates	Yes ☐ No ☐ N/A☐	
7.7.4.4 Analytical Constituents		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Potential Non-Storm Water Discharge Pollutants and Water Quality Indicator Constituents (CASQA template Table 7.21)	Yes ☐ No ☐ N/A☐	
7.7.4.5 Sample Collection		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
7.7.4.6 Sample Analysis		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Sample Collection, Preservation and Analysis for Monitoring Non-Storm Water Discharge Pollutants (CASQA template Table 7.22)	Yes ☐ No ☐ N/A☐	
7.7.4.7 Data Evaluation and Reporting		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.5 Sampling and Analysis Plan for Other Pollutants Required by the Regional Water Board [RL 2 and 3]		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.5.1 Sampling Schedule		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.5.2 Sampling Locations		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Fill in sampling locations for Project runoff and run-on (CASQA Table 7.23)	Yes ☐ No ☐ N/A☐	
7.7.5.3 Monitoring Preparation		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
o Contractor sampling personnel name and telephone number	Yes ☐ No ☐ N/A☐	
o Effluent Sampling Field Logs and Chain of Custody forms	Yes ☐ No ☐ N/A☐	
o Laboratory or environmental consultant company name, address, telephone number, point of contact, name of samplers, name of alternates	Yes ☐ No ☐ N/A☐	
7.7.5.4 Sample Collection		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	
7.7.5.5 Sample Analysis		
o Include suggested narrative from CASQA template	Yes ☐ No ☐ N/A☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?			Comments
o Sample Collection, Preservation and Analysis for Monitoring Regional Board Required Pollutants (CASQA Table 7.24)	Yes ☐	No ☐	N/A☐	
7.7.5.6 Data Evaluation and Reporting				
o Include suggested narrative from CASQA template	Yes ☐	No ☐	N/A☐	
7.7.6 Training of Sampling Personnel				
o Include suggested narrative from CASQA template	Yes ☐	No ☐	N/A☐	
o List all sampling personnel, training courses taken, and storm water sampling experience for each	Yes ☐	No ☐	N/A☐	
o Include training records of all designated sampling personnel in Appendix K	Yes ☐	No ☐	N/A☐	
7.7.7 Sample Collection and Handling				
o Include suggested narrative from CASQA template	Yes ☐	No ☐	N/A☐	
7.7.7.1 Sample Collection				
o Include suggested narrative from CASQA template	Yes ☐	No ☐	N/A☐	
7.7.7.2 Sample Handling				
o Include suggested narrative from CASQA template	Yes ☐	No ☐		
o List laboratory company name, address, telephone number, point of contact	Yes ☐	No ☐		
7.7.7.3 Sample Documentation Procedures				
o Include suggested narrative from CASQA template	Yes ☐	No ☐		
7.8 Active Treatment System Monitoring [RL 2 and 3]				
o Include suggested narrative from CASQA template	Yes ☐	No ☐		
o Will an Active Treatment System (ATS) be deployed on site?	Yes ☐	No ☐		
o If yes, provide location for ATS Monitoring and Sampling Plan location	Yes ☐	No ☐	N/A☐	
7.9 Bioassessment Monitoring [RL 3]				
o Include suggested narrative from CASQA template	Yes ☐	No ☐		

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
7.10 Watershed Monitoring Option [RL 3]		
o Include suggested narrative from CASQA template if Project is participating in a watershed monitoring option	Yes ☐ No ☐	
o If yes, include a summary of the watershed monitoring and Regional Board approval of the program	Yes ☐ No ☐	
7.11 Quality Assurance and Quality Control		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.11.1 Field Logs		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
o Include Visual Inspection Log, Effluent Sampling Field Log Sheet	Yes ☐ No ☐	
7.11.2 Clean Sampling Techniques		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.11.3 Chain of Custody		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
o Include Chain of Custody (CoC) Forms	Yes ☐ No ☐	
7.11.4 QA/QC Samples		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
o Include frequency required by each QA/QC method	Yes ☐ No ☐	
7.11.4.1 Field Duplicates		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.11.4.2 Equipment Blanks		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.11.4.3 Field Blanks		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.11.4.4 Travel Blanks		
o Include suggested narrative from CASQA template	Yes ☐ No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
7.11.5 Data Verification o Include suggested narrative from CASQA template	Yes ☐ No ☐	
7.12 Records Retention o Include suggested narrative from CASQA template	Yes ☐ No ☐	
CSMP Attachments		
Attachment 1 Weather Reports o Printed NOAA or other source weather forecasts to be stored in this attachment	Yes ☐ No ☐	
Attachment 2 Monitoring Records o Completed BMP Inspection Forms, Visual Monitoring, Effluent Sampling Logs, Monitoring Exceptions, and NAL Exceedance Reports to be stored in this attachment	Yes ☐ No ☐	
Attachment 3 Example Forms o Example Rain Gauge Logs, Field Logs, Visual Monitoring, Effluent Sampling Logs, NAL Exceedance Reports and CoCs of lab named in Section 7 to be stored in this attachment	Yes ☐ No ☐	
Attachment 4 Field Meter Instructions o Field Meter Instructions to be stored in this attachment	Yes ☐ No ☐ N/A☐	
Attachment 5 Supplemental Information o Documents related to Regional Board required monitoring (if applicable), watershed monitoring option approval (if applicable) to be stored in this attachment	Yes ☐ No ☐ N/A☐	
Section 8 References		
8.1 References o Include CASQA template suggested narrative for any pertinent references for this Project's SWPPP document (i.e. General Construction Permit) o Project Spill Response Plan	Yes ☐ No ☐ Yes ☐ No ☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
Appendix A Calculations		
A. Calculations o Calculations	Yes ☐ No ☐	Are there minimum required calculations? List.
Appendix B Site Maps		
B. Site Maps o Site Map (Multiple maps if necessary) o Vicinity Map o Site layout o Construction site boundaries o Drainage areas o Discharge locations o Sampling locations o Areas of soil disturbance (temporary or permanent) o Active areas of soil disturbance (cut or fill) o Locations of runoff BMPs o Locations of erosion control BMPs o Locations of sediment control BMPs o ATS location (if applicable) o Locations of sensitive habitats, watercourses, or other features which are not to be disturbed o Locations of all post-construction BMPs o Waste storage areas o Vehicle storage areas o Material storage areas o Entrances and Exits o Fueling locations o Haul Routes o Contained Storm Water Infiltration Areas o Water Pollution Control Drawings show phased implementation	Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐	
Appendix C Permit Registration Documents (PRDs)		
C. PRDs o Notice of Intent (NOI) o Risk Assessment o LS Calculation o R-value LEW print out o Signed Certification Statement o Post Construction Water Balance	Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ N/A☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
o MS4 Compliance Document o Copy of Annual Fee Receipt o ATS Design Documents (if applicable) o Site Map, see Appendix B o Waste Discharge Identification (WDID) confirmation	Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ N/A☐ Yes ☐ No ☐ Yes ☐ No ☐	
Appendix D SWPPP Amendment Certification		
D. SWPPP Amendment Certifications o SWPPP Amendment Certification Statement	Yes ☐ No ☐ N/A☐	
Appendix E Submitted Changes to PRDs		
E. Submitted Changes to PRDs o Log of Updated PRDs	Yes ☐ No ☐	
Appendix F Construction Schedule		
F. Construction Schedule o Construction Schedule	Yes ☐ No ☐	
Appendix G Construction Activities, Materials Used, and Associated Pollutants		
G. Construction Activities, Materials, Pollutants o Include Construction Activities and Associated Pollutants from CASQA Template	Yes ☐ No ☐	
Appendix H CASQA Storm Water BMP Handbook Portal: Construction Fact Sheets		
H. CASQA BMP Fact Sheets o BMP Factsheets for all identified BMPs in Section 3 o BMPs shown on the Site Maps in Appendix B (as appropriate)	Yes ☐ No ☐ Yes ☐ No ☐	
Appendix I BMP Inspection Report		
I. BMP Inspection Report o BMP Inspection Report Form appropriate to RL	Yes ☐ No ☐	
Appendix J Project Specific REAP		
J. REAP [RL 2 and 3] o REAP	Yes ☐ No ☐ N/A☐	

Attachment 1 - OIAA SWPPP Preparation Checklist

CASQA SWPPP Requirement	Requirement Satisfied?	Comments
Appendix K Training Reporting Form		
K. Training Reporting Form o Trained Contractor Personnel Log	Yes ☐ No ☐	
Appendix L Responsible Parties		
L. Responsible Parties o Authorization of Approved Signatories o Identification of QSP & Certifications o Authorization of Data Submitters (optional) o QSD Certification	 Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ N/A☐ Yes ☐ No ☐	
Appendix M Contractors and Subcontractors		
M. Contractors and Subcontractors o Contractors and Subcontractors	Yes ☐ No ☐	
Appendix N Construction General Permit		
N. Construction General Permit o Copy of Construction General Permit Order and RL Attachment (C, D, or E)	Yes ☐ No ☐	
Appendix O Annual Report and Notice of Termination		
O. Annual Report and Notice of Termination o Copy of Annual Report (once filed) o Copy of Notice of Termination (approval notice from RWQCB)	 Yes ☐ No ☐ Yes ☐ No ☐	

Attachment 2

Ontario International Airport Authority SWPPP Spill Response Plan

SWPPP
Spill Response Plan

[Insert Date]

Ontario International Airport Authority

Prepared For:
[Insert Project Name]
[Insert Project Address]
[Insert Project Contact Person]
[Insert Project Contact Number]

Spill Response Personnel

Spill Response Coordinator

_____ , _____ is hereby designated as the
Signature Signature

Spill Response Coordinator for the _____ located at
[Insert Project Name]

_____ .
[Insert Project Address]

I acknowledge my responsibility as Spill Response Coordinator for the Project. I have reviewed the SWPPP and the Spill Response Plan, and I have sufficient knowledge and training to effectively implement the Spill Response Plan. The individuals named below, if any, will assist me in implementing the Spill Response Plan, and I have reviewed this responsibility with each named individual.

_____ _____
Signature Date

( ) Office

( ) Mobile

_____
Contact Telephone Number

Additional Spill Response Personnel

Name	Role	Phone Number
		Office: ( )
		Mobile: ( )
		Office: ( )
		Mobile: ( )
		Office: ( )
		Mobile: ( )

SECTION 1 Spill Risk Assessment

1.1 Introduction

This Spill Response Plan has been prepared at the request and direction of Ontario International Airport Authority with the objective of meeting the standards and requirements of the 2009 Construction General Permit (Order No. 2009-0009-DWQ as amended by 2010-0014-DWQ) for the Project located at [Insert Project Address]. Construction BMPs will be implemented in accordance with the Project SWPPP to prevent spills on-site. This plan identifies current construction activities and materials at the site that have the potential for a pollutant spill. This plan identifies equipment and materials that will be kept on-site to contain and clean up any spills associated with these activities and materials. This plan also includes a list of emergency spill response services in the event that a spill goes beyond that which can be effectively managed with the prevention, containment, and cleanup provisions of this plan.

1.2 Spill Response Checklist

Table 1.1- Construction Activities/Materials, Pollutants and Spill Response					
Construction Phase	**Construction Activity/Material**	**Will Activity/ Material be Used?**	**Pollutant**	**Spill Response**	**Equipment To Be Located on-site**
Land Development/ Grading	Grading Equipment Fueling	Yes / No	Vehicle Fuel	Use dry cleaning methods. Use Absorbent on spill, remove and store in waste container.	Rags, Pads, Absorbent, Shovel, Containment Drum
	Grading Equipment Leak	Yes / No	Vehicle Fuel	Use dry cleaning methods. Use Absorbent on spill, remove and store in waste container.	Rags, Pads, Oil Absorbent, Shovel, Containment Drum
	Grading Equipment Leak	Yes / No	Vehicle Oil	Use dry cleaning methods. Use Absorbent on spill, remove and store in waste container.	Rags, Pads, Absorbent, Shovel, Containment Drum
	Grading Equipment Leak	Yes / No	Vehicle Fluids	Use dry cleaning methods. Use Absorbent on spill, remove and store in waste container.	Rags, Pads, Absorbent, Shovel, Containment Drum
	Grading Equipment	Yes / No	Greases	Use dry cleaning methods. Use Absorbent on spill, remove and store in waste container.	Rags, Pads, Absorbent, Shovel, Containment Drum
	Concrete Pouring of Footings and Pads	Yes / No	Form Release Agent	Use dry cleaning methods. Let form curing compounds dry and store in containment drum.	Rags, Pads, Broom, Shovel, Containment Drum
	Concrete Pouring of Footings and Pads	Yes / No	Concrete curing compounds	Use dry cleaning methods. Let form curing compounds dry and store in containment drum.	Rags, Pads, Broom, Shovel, Containment Drum
Utilities/Roads	Rupture, Leakage, Valve failure	Yes / No	Super Chlorinated water	Contain and Vacuum.	
	Water Line Discharge	Yes / No	Super Chlorinated water	Contain and Vacuum.	
	Asphalt paving	Yes / No	Asphaltic Emulsions	Use dry cleaning methods. Let asphalt dry and store in containment drum.	Rags, Pads, Absorbent, Shovel, Containment Drum
	Adhesives/ Epoxy Operations	Yes / No	Adhesives/ Epoxies		Rags, Pads, Shovel, Containment Drum
Vertical Structures	Painting Operations	Yes / No	Paints/Solvents		Absorbent, Containment Drum
	Mortar Mix	Yes / No	Mortar	Use dry cleaning methods. Let Mortar mix dry and store in containment drum.	Broom, Shovel, Containment Drum
	Stucco Operations	Yes / No	Stucco Plaster	Use dry cleaning methods. Let Mortar mix dry and store in containment drum.	Broom, Shovel, Containment Drum
	Drywall Operations	Yes / No	Drywall Plaster	Use dry cleaning methods. Let spill dry and store in containment drum.	Broom, Containment Drum
	Sealers	Yes / No	Sealers	Use dry cleaning methods. Let sealer dry and store in containment drum.	Rags, Pads, Absorbent, Shovel, Containment Drum

Table 1.1- Construction Activities/Materials, Pollutants and Spill Response					
Construction Phase	**Construction Activity/Material**	**Will Activity/ Material be Used?**	**Pollutant**	**Spill Response**	**Equipment To Be Located on-site**
	Grout	Yes / No	Grout	Use dry cleaning methods. Let Grout dry and store in containment drum.	Rags, Pads, Absorbent, Shovel, Containment Drum
Landscaping and Final Stabilization	Landscaping Operations	Yes / No	Hydroseed/ Soil-Binders	Use dry cleaning methods. Stop leak/spill, contain spill, and clean up spill.	Shovel
	Landscaping Operations	Yes / No	Mulches	Use dry cleaning methods. Stop leak/spill, contain spill, and clean up spill.	Shovel
	Landscaping Operations	Yes / No	Fertilizers	Use dry cleaning methods. Stop leak/spill, contain spill, and clean up spill.	Shovel
	Landscaping Operations	Yes / No	Herbicide	Use rags or pads to remove and store contaminated materials in containment drums	Rags, Pads, Absorbent, Shovel, Containment Drum

Additional items can be added as necessary.

1.3 Spill Cleanup

Clean up leaks and spills immediately. Use a rag for small spills on paved surfaces, a damp mop for general cleanup, and absorbent materials for larger spills. If the spill is hazardous, then the used cleanup materials are also hazardous and must be sent to either a certified laundry facility (i.e. rags) or disposed of as hazardous waste. Use dry cleanup methods ONLY. Never hose down or bury spills. For liquid spills, contain the spill and then utilize absorbent material. Clean up as much of the spill as possible (using dry cleanup methods) and dispose of the spent absorbent and spill material properly. If necessary, store spill and spent absorbent materials in a containment drum until they can be properly disposed of by a hazardous waste removal service.

Containment drums will be used for the storage of cleaned up spill and spent absorbent. These drums are only for temporary storage and will contain the spilled pollutant, any contaminated materials the spill came in contact with (i.e. soil) and any materials that were used to clean up the spill (i.e. rags, pads, and absorbent compound).

If a spill occurs on the soil, first contain the spill, then apply absorbent compound, and then shovel the contaminated soil and spent absorbent into a containment drum.

In the event a spill occurs and cannot be cleaned up and disposed of prior to a forecasted rain event, contain the spill and use tarps to cover the spill until it can be removed properly.

1.4 Spill Response Materials

Table 1.2- Spill Response Materials Required On-Site.

Materials	On-Site	Where Located
Shovels	Yes / No	
Brooms	Yes / No	
Dust Pan	Yes / No	
Rags	Yes / No	
Pads	Yes / No	
Absorbent	Yes / No	
Containment Drums	Yes / No	
Tarps	Yes / No	

.

SECTION 2 Spill Response Agencies

2.1 Spill Response Agencies

Table 2.1 is a list of local agencies that provide emergency response and/or cleanup of spills on the Project site that are too large for the materials on-site to handle.

Table 2.1- Spill Response Agencies

Agency/Contact	Telephone Number	Address
[Insert Local] Fire Department	911; [Insert Phone Number]	[Insert Address]
[Insert Local] California Environmental Protection Agency	[Insert Phone Number]	[Insert Address]
[Insert County] Sanitation District	[Insert Phone Number]	[Insert Address]
State Office of Emergency Services	800-852-7550	3650 Schriever Ave Mather, CA 95655
The County of [Insert County Name] Hazardous Materials Management Division	[Insert Phone Number]	[Insert Address]
California Environmental Protection Agency, Santa Ana Regional Water Quality Control Board	909-782-4130	3737 Main Street, Suite 500 Riverside, CA 92501 [Remove if Project is not in this region]
National Response Center Environmental Response Team	513-569-7537	26 W. Martin Luther King Drive Cincinnati, OH 45268

Attachment 3

Contractor and Subcontractor Form (EXAMPLE)

Contractor/Subcontractor Name and Address	Contact Person/ Phone Number	Activity	Start Date	End Date
New Land Excavation and Grading	Paul Smith ###-###-####	Grading	6-15-15	8-31-15
Ditch Construction	Dave Lloyd ###-###-####	Water truck; Trenching; Paving	6-15-15	
BULB Electrical	John Paul ###-###-####	Civil; Electrical	7-20-15	
Planted Landscaping	Scott Jones ###-###-####	Landscaping	8-01-15	

ONTARIO
INTERNATIONAL AIRPORT
AUTHORITY

PART 2:

Water Pollution Control
For Projects that Disturb
Less than One Acre

Table of Contents

List of Acronyms

BMP	Best Management Practice
EPA	Environmental Protection Agency (United States)
ELUP	Environmental and Land Use Planning
ERC	Environmental Regulatory Compliance Group
IA	Independent Assurance
MS4	Municipal Separate Storm Sewer System
NPDES	National Pollutant Discharge Elimination System
QA	Quality Assurance (ERC Consultant Staff)
QC	Quality Control
QSP	Qualified SWPPP Practitioner (SWRCB Certified)
QSD	Qualified SWPPP Developer (SWRCB Certified)
RWQCB	Regional Water Quality Control Board
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
WWECP	Wet Weather Erosion Control Plan

1. Introduction

Construction projects with a disturbed area of less than one acre are not covered under the Construction General Permit and therefore are not required by the SWRCB to develop a State SWPPP. However, OIAA requires the implementation of the minimum construction BMPs necessary to control runoff and prevent storm water pollutants emanating from construction sites to the maximum extent practicable.

The minimum storm water BMP requirements are, for the most part, good housekeeping practices. These requirements may include, but are not limited to: covering stockpiles; retaining eroded sediments and pollutants on site; proper storage for fuels, oils, solvents and other toxic materials; containing non-storm water runoff at the project site; and proper concrete washout facilities. All BMPs will be consistent with the California Stormwater Quality Association (CASQA) Construction Best Management Handbook. A copy of the handbook is available online at: https://www.casqa.org/resources/bmp-handbooks/construction

2. Minimum BMP Requirements

Projects that create less than one acre of disturbed soil area do not require coverage under the CGP; however, they are required by the NPDES MS4 Permit for San Bernardino County to implement certain minimum Best Management Practices (BMPs) to prevent pollutants from being carried off the site or into the storm drain system by storm water or non-storm water.

2.1 Objectives

Water pollution control BMPs must be implemented to prevent pollution of storm water and non-storm water as follows:

1. Sediments shall not be discharged to a storm drain system or receiving waters.
2. Sediments generated on the Work site shall be contained on the Work site using appropriate Best Management Practices (BMPs).
3. No construction-related materials, waste, spill, or residue shall be discharged from the Work site to streets, drainage facilities, receiving waters, or adjacent property by wind or runoff unless such discharge is in compliance with regulatory agencies requirements.
4. Non-storm water runoff from equipment, vehicle washing, or any other activity shall be contained within the Work site using appropriate Best Management Practices
5. Soil erosion shall be prevented. Slopes susceptible to erosion shall be covered, planted, or otherwise protected in a way that prevents discharge from the Work site.

2.2 Minimum BMP Requirements

The minimum BMP requirements listed below will apply to all OIAA project sites regardless of size or location of the project.

Minimum BMPs for All Construction Projects:

Erosion Controls	Scheduling Preservation of Existing Vegetation
Sediment Controls	Silt Fence (see conditions below), and/or Gravel Bag Barrier, and/or Sand Bag Barrier, and/or Fiber Rolls Stabilized Construction Site Entrance/Exit
Non-Storm Water Management	Water Conservation Practices Dewatering Operations Vehicle Fueling Equipment and Maintenance
Waste Management	Material Delivery and Storage Stockpile Management Spill Prevention and Control Solid Waste Management Concrete Waste Management Sanitary/Septic Waste Management

Minimum Required BMPs for Roadway Paving or Repair Operation

1.	Restrict paving and repaving activity to exclude periods of rainfall or predicted rainfall unless required by emergency conditions.
2.	Install gravel bags and filter fabric or other equivalent inlet protection at all susceptible storm drain inlets and at manholes to prevent spills of paving products and tack coat.
3.	Prevent the discharge of release agents including soybean oil, other oils, or diesel to the storm water drainage system or receiving waters.
4.	Minimize non-storm water runoff from water use for the roller and for evaporative cooling of the asphalt.
5.	Clean equipment over absorbent pads, drip pans, plastic sheeting, or other material to capture all spillage and dispose of properly.
6.	Collect liquid waste in a container with a secure lid for transport to a maintenance facility to be reused, recycled, or disposed of properly.
7.	Collect solid waste by vacuuming or sweeping and securing in an appropriate container for transport to a maintenance facility to be reused, recycled, or disposed of properly.
8.	Cover the “cold-mix” asphalt (i.e., pre-mixed aggregate and asphalt binder) with protective sheeting during a rainstorm.
9.	Cover loads with tarp before haul-off to a storage site, and do not overload trucks.
10	Minimize airborne dust by using water spray or other approved dust suppressant during grinding.
11.	Avoid stockpiling soil, sand, sediment, asphalt material, or rubble in or near storm water drainage system or receiving waters.
12.	Protect stockpiles with a cover or sediment barriers during rain and when not actively being used.
13.	Park paving equipment on impervious surfaces only (never on bare soil).

2.3 BMP Conditions

The following conditions and restrictions apply to BMPs on OIAA projects:

Dust Control

- Contractor shall use reclaimed water for dust control purposes when it is available.
- Contractor shall keep available on-site enough self-loading operational vacuum motor sweepers with spray nozzles to maintain dust control (use reclaimed water) and cleaning of pavements affected by Contractor operations.

Linear Barrier/Sediment Control BMPs

- Fiber Rolls (SE-5) – Only natural wrapped fiber rolls shall be installed on all OIAA property projects. Plastic monofilament wrapped rolls shall not be used.
- Gravel Bags (SE-6) – *Use Caltrans specifications* for geosynthetic (nonwoven) gravel-filled bags; gravel must be from 3/8 to 3/4 inch in diameter and must be clean and free of clay balls, organic matter, and other deleterious materials.
- Silt Fence (SE-1) – Shall not be installed anywhere on a project without specific approval from OIAA and shall not be used within the Air Operations Area (AOA).

Materials and Waste Management

- Stockpile locations require pre-approval by OIAA. They shall be located such that access by construction vehicles minimizes disruption to adjacent public streets.
- Protect stockpiles of rock and earth materials that are not actively being used with a dust control product such as: water spray (reclaimed water shall be used for dust control), proprietary nontoxic crusting agents, anchored geotextile fabric or tarps, erosion control fabric, seeding, or other methods approved by OIAA. Note: bituminous prime coat products for dust control are *not acceptable*.

3. Wet Weather Erosion Control Plan

In addition to the minimum BMP requirements specified in the previous section, construction projects with grading activities must also develop and implement an Erosion Control Report (ECR). The Contractor shall submit a County of San Bernardino approved ECR to OIAA to remove the Project's Erosion Control Compliance requirements.

PART 3:

Construction Storm Water Compliance Review Program (CSWCRP)

Table of Contents

Attachments

List of Acronyms

BMP	Best Management Practice
CSWCRP	Construction Storm Water Compliance Review Program
CPSWAC	Construction Project Storm Water Assessment Checklist
CPSWAP	Construction Project Storm Water Action Plan
CGP	Construction General Stormwater Permit
EPA	Environmental Protection Agency (United States)
ELUP	Environmental and Land Use Planning
ERC	Environmental Regulatory Compliance Group
IQA	Independent Quality Assurance Assessor (ERC Consultant Staff)
OIAA	Ontario International Airport Authority
NPDES	National Pollutant Discharge Elimination System
QC	Quality Control
QSP	Qualified SWPPP Practitioner (SWRCB Certified)
QSD	Qualified SWPPP Developer (SWRCB Certified)
RWQCB	Regional Water Quality Control Board
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
WWECP	Wet Weather Erosion Control Plan

1. Introduction

The Construction Storm Water Review Program (CSWCRP) describes the activities implemented by OIAA to evaluate construction project storm water compliance with the National Pollutant Discharge Elimination System (NPDES) Permits. This includes the Construction General Permit (CGP) and the NPDES Municipal Permits for San Bernardino County. Evaluations of ongoing construction projects are performed by independent third-party assessors contracted by Ontario International Airport Authority (OIAA). The CSWCRP provides a method for those assessors to determine the level of storm water compliance of individual projects.

The CSWCRP will measure compliance with permit administrative requirements as well as the implementation of Best Management Practices (BMPs). It will also identify projects with the potential for discharge of pollutants that pose an imminent threat to water quality. By identifying those threats, discharges of pollutants from OIAA facilities can be minimized.

2. Construction Storm Water Compliance Review Program

2.1 Construction Storm Water Review Plan Organization

The CSWCRP consists of the following sections:

- Purpose
- Goals
- Scope
- Project Assessment Procedure
- Feedback and Program Improvement

2.2 Purpose

The purpose of the CSWCRP is to have a standardized procedure for the third-party reviews of storm water compliance on construction projects at OIAA facilities to ensure that the interests of OIAA as the property owner are protected.

2.3 Goals

The goals of the CSWCRP are to document a project's compliance with the Construction General Permit (CGP), the OIAA Industrial Permit, the City Municipal Storm Water codes, and the project's administration of construction contract provisions related to storm water runoff management. These include:

- Proper selection of BMPs
- Proper placement of BMPs in accordance with Erosion Control Report (ECR) or Storm Water Pollution Prevention Plan (SWPPP)
- Proper installation of BMPs
- Proper maintenance of BMPs
- Approval of ECR or SWPPP
- Amendment of ECR or SWPPP as required

- Project inspection at expected frequencies
- Required storm water monitoring
- Corrective actions taken to remedy observed deficiencies

2.4 Scope

The CSWCRP provides the following:

- Specific procedures for third party Quality Assurance (IQA) assessors to follow when conducting construction project reviews
- Consistency in data collection and reporting
- Description of the method in which the assessor documents the findings of a construction site assessment
- Description of the method for presenting the findings from construction site assessments to OIAA management

2.5 Independent Assurance Project Review Procedure

The third party Independent Quality Assurance (IQA) assessor will be responsible for arranging and conducting project compliance reviews. The project compliance review process involves the following main steps:

- Arrange project review with the OIAA Project Manager
- Conduct project review
    a) Project documentation assessment (SMARTS files and field forms)
    b) Project field assessment (implementation of BMPs in the field)
- Complete Construction Project Storm Water Assessment Checklist (Checklist)
- Debrief OIAA Project manager of any project corrective actions required
- Submit copy of Checklist to the OIAA PM and to stormwaterOIAA@altaenviron.com
- Schedule follow up inspection if corrective actions are identified
- Complete Construction Project Storm Water Action Plan (Action Plan) if Major or Critical deficiencies are identified
- Follow up on implementation of Action Plan
- Recommend enforcement action to the OIAA PM if corrective actions are not implemented

2.5.1 Arrange Project Assessment

Contact the Project Manager and Contractor's representative to schedule a project assessment. It is acceptable to leave a message, but the IQA should continue to call until contact is established. Confirm the project assessment date and time with the Project Manager by phone or by electronic mail. Remind the Project Manager to provide a courtesy invitation to the contractor's QSP or water pollution control manager.

2.5.2 Conduct Project Documentation Assessment

Use the attached OIAA Construction Project Storm Water Assessment Checklist (Checklist) to assess the adequacy of the following documentation (when applicable) for existence, completeness, and currency:

- ECR or SWPPP and other pertinent project file documents or correspondence
- Approved amendments
- Up-to-date contractor inspection reports and REAPs

- Construction Site Monitoring Program (CSMP) – including monitoring results for visible and non-visible pollutants (if any)
- Dewatering Provisions
- Other permits for the job and their expiration dates
- Contractor water pollution control manager's current certification and training record and whether they meet quarterly update requirements
- SMARTS forms including copies of the NOI, any COIs, and Annual Reports

Before the project field assessment (Section 8.5.3) the following information needs to be gathered:

- Weather forecast for percentage chance of rain
- Number and type of each BMP deployed as indicated in the ECR or SWPPP for the current stage of construction

2.5.3 Conduct Project Field Assessment

The field assessment will focus on the proper implementation and maintenance of BMPs and the potential impact on receiving water quality from construction activities. The participants must include a Project Manager or a designee, and may include the contractor's QSP or designee. Safety procedures must be followed as outlined in the Code of Safe Practices for the project.

Project field assessments should include the following:

- Assessment of the project and any contractor storage yards, on- or off-site, for proper implementation and maintenance of BMPs from the approved ECR or SWPPP and amendments. Off-site contractor storage yards, or other facilities including borrow pits, disposal sites, batch plants, and aggregate and recycling operations are to be assessed only if they are being used exclusively for a OIAA construction project. OIAA has the legal authority to enter and assess these sites.
- Explanation of any inadequacies of the BMPs observed (such as improper location, incorrect installation, or inadequate maintenance).
- Documentation of any deviations in BMP implementation, including if the BMP is not listed in the ECR or SWPPP.
- Discussion with field assessment participants regarding potential problems and potential inadequacies observed during the assessment, so that there are no surprises on the final Checklist. This gives the assessor the opportunity to collect information from the participants for a complete and accurate report.
- The IQA should take enough photos of both good and bad observations to accurately identify conditions. Always take more than one photo of an inadequacy as supporting documentation. Start with a close up shot of the deficiency and then show a more general picture of the surrounding area. Take enough photos to show the entire area; look for slopes, drainage areas or inlets, BMPs installed or missing, redundancy of BMPs, and anything else that could provide information for the report or the report reviewers. Photos need to show not only the observed inadequacies, but also how that observed inadequacy potentially affects water quality. Provide a photo essay to document the potential threat to water quality assessment including shots of the source, the path, and the receiving water.
- Return to the office and review again the approved ECR or SWPPP and compare the

field observations to the documents. If amendments to the ECR or SWPPP are necessary, then document the recommendations.

Use the Checklist from Attachment 1 for each project assessment.

2.5.4 Construction Project Storm Water Review Checklist Preparation and Completion

- The IQA should take ample time to complete the Checklist. A caption should be provided for each photo included in the report.
- The Checklist should be filled out completely, with no boxes left blank.
- If there are problems or deficiencies observed, the IQA shall provide a written description and explanation (that is, describing the location, type of problem, how it may affect water quality, why it is a problem, whether the BMP is installed correctly or missing, and so on).
- If BMPs are inadequate due to lack of maintenance, the IQA shall describe and identify the observed maintenance deficiency (including broken bags, torn silt fence, over-capacity washout pits, spills with no BMPs installed in immediate or surrounding area, and so on). Observed BMP inadequacies must be documented with factual information. Personal opinions should be avoided.
- Within 48 hours of the project assessment a completed Checklist shall be submitted to the OIAA PM or designee.

2.5.5 Debrief the OIAA Project Manager

It is important for the IQA to debrief the Project Manager or designee in person after the site inspection to help ensure issues are clear and that they can be addressed promptly.

- Debrief the Project Manager or designee about what was observed in the field. Discuss the problems or deficiencies, and make recommendations for any needed amendments to the SWPPP or Erosion Control Plans. Also discuss what was good about the SWPPP implementation at the project.
- Review the completed Checklist with the Project Manager or designee and explain the project conditions that determined the evaluation level. Answer any questions or concerns the construction staff may have.
- If the project compliance Assessment is deemed to have Major, or Critical deficiencies the IQA (with concurrence of the OIAA PM) shall develop a Construction Project Storm Water Action Plan (Action Plan) for the project. A copy of the Action Plan is provided in Attachment 2.
- Provide an electronic copy of the completed Checklist and all digital photos to the Project Manager or designee.
- Send an electronic copy of the completed Checklist and all digital photos to: stormwaterOIAA@altaenviron.com

3. Feedback and Program Improvement

The IQA will debrief the Project Manager or their designee after completion of each assessment and will work directly with them to come up with a plan to resolve or correct the deficiencies and to ensure an effective storm water program is in place at the project. The IQA assists the Project Manager in identifying immediate corrective action(s) to be taken for projects where minor corrective actions have been advised. Those actions should be initiated within one business day after receipt of the project assessment report. When a project has Major or Critical deficiencies and an Action Plan has been developed and presented to the Contractor with an implementation schedule, the OIAA PM will monitor the completion of the corrective actions. Upon the contractor's completion of all corrective actions, the PM will submit a copy of the Action Plan to the IQA.

The IQA will document that the Action Plan has been implemented, per the agreed schedule identified, by signing the form where specified. If appropriate action has not been taken, the IQA will notify the ERC contact person.

In addition to immediate corrective action, the IQA and the Project Manager will identify whether there is a need for construction storm water training or the need for project construction storm water assistance such as bringing in another contractor or OIAA maintenance personnel to complete the corrective action.

For deficiencies trending toward increasing frequency, the IQA may be instructed to perform an evaluation of project-level noncompliance information to determine whether responsibilities are attributable to project management, construction contractors, OIAA storm water program support and training efforts, and/or availability of appropriate BMPs. Program improvements will be proposed for any program-wide deficiencies that are identified.

Attachment 1
OIAA Construction Project Storm Water Assessment Checklist

OIAA Construction Project Storm Water Assessment Checklist

Project Information

Project Name:	Date:
Contractor/Contact Name:	Contractor Phone:
Contractor's Qualified SWPPP Developer (QSD):	QSD Phone:
Contractor's Qualified SWPPP Practitioner (QSP):	QSP Phone:
OIAA Project Manager:	OIAA PM Phone:
IQA Compliance Assessor(s):	Assessor Phone:

Document Review

SWPPP/ECR and other pertinent project file documents complete and up-to-date	Yes ☐ No ☐ N/A☐
Amendments	Yes ☐ No ☐ N/A☐
Contractor certifications and training records (satisfy requirements and up-to-date)	Yes ☐ No ☐ N/A☐
Dewatering Provisions	Yes ☐ No ☐ N/A☐
Other required Permits and valid dates	Yes ☐ No ☐ N/A☐
Contractor storage/laydown yard(s) onsite/offsite **exclusive** to OIAA project	Yes ☐ No ☐ N/A☐
Inspections/Monitoring Weekly inspection reports	Yes ☐ No ☐ N/A☐
Quarterly inspection reports	Yes ☐ No ☐ N/A☐
Pre-storm inspection reports	Yes ☐ No ☐ N/A☐
During-storm inspection reports	Yes ☐ No ☐ N/A☐
Post-storm inspection reports	Yes ☐ No ☐ N/A☐
Current weather forecasts with percentage chance of rain	Yes ☐ No ☐ N/A☐
REAP prepared 48 Hours prior to storm event	Yes ☐ No ☐ N/A☐
REAP onsite 24 Hours prior to storm event	Yes ☐ No ☐ N/A☐
BMPs installed for the current construction phase per the SWPPP/WWECP	Yes ☐ No ☐ N/A☐
Construction Site Monitoring Program (CSMP)	Yes ☐ No ☐ N/A☐
Sampling results (pH/turbidity and/or non-visible/visible pollutants)	Yes ☐ No ☐ N/A☐
Other:	Yes ☐ No ☐ N/A☐
Comments:	

Best Management Practices Review

1 EROSION CONTROLS

BMPs implemented on inactive disturbed soil areas	Yes ☐ No ☐ N/A☐
BMPs effective in controlling erosion	Yes ☐ No ☐ N/A☐
Comments:	

2 SEDIMENT CONTROLS

BMPs implemented on inactive disturbed soil areas	Yes ☐ No ☐ N/A☐
BMPs effective in controlling erosion	Yes ☐ No ☐ N/A☐
Comments:	

3 WIND EROSION CONTROLS

Wind erosion controls properly implemented	Yes ☐ No ☐ N/A☐
BMPs effective in controlling wind erosion	Yes ☐ No ☐ N/A☐
Comments:	

4 TRACKING CONTROLS

Public roads, adjacent to site ingress & egress points, reasonably free of sediment	Yes ☐ No ☐ N/A☐
BMPs effective in controlling sediment tracking	Yes ☐ No ☐ N/A☐
Comments:	

5 NON-STORM WATER MANAGEMENT

Non-storm water controls properly implemented	Yes ☐ No ☐ N/A☐
BMPs effective for managing non-storm water discharges	Yes ☐ No ☐ N/A☐
Comments:	

6 Waste Management and Materials Pollution Control

Waste management and material control BMPs properly implemented	Yes ☐ No ☐ N/A☐
BMPs effective in controlling waste and material pollutants	Yes ☐ No ☐ N/A☐
Comments:	

Assessor's General Summary

Activity Level:

- ☐ Low Activity. Project is complete or is near completion.
- ☐ Moderate Activity
- ☐ Heavy Activity

Program Compliance Assessment:

- ☐ Substantial Compliance.
- ☐ Minor deficiencies noted.
- ☐ Major deficiencies or discharge(s) noted. Prompt correction advised.
- ☐ Critical deficiencies or discharge(s) noted. Immediate correction advised.

Effectiveness of BMPs:

- ☐ Project's overall observed water pollution prevention efforts appear highly effective.
- ☐ Project's overall observed water pollution prevention efforts appear moderately effective.
- ☐ Project's overall observed water pollution prevention efforts appear ineffective.

Comments:

The purpose of this inspection is to assist OIAA in ascertaining the contractor's compliance with the NPDES Construction General Permit.

Attachment 2

OIAA Construction Project Storm Water Action Plan

OIAA Construction Project Storm Water Action Plan

Project Information

Project Name:	Date:
Contractor/Contact Name:	Contractor Phone:
Contractor's Qualified SWPPP Developer (QSD):	QSD Phone:
Contractor's Qualified SWPPP Practitioner (QSP):	QSP Phone:
OIAA Project Manager:	OIAA PM Phone:
IQA Compliance Assessor(s):	Assessor Phone:

Document Review

Corrective Action Required:	
Required Completion Date:	
Date Completed:	**By:**
Comments:	

Best Management Practices Review

1 EROSION CONTROLS

Corrective Action Required:	
Required Completion Date:	
Date Completed:	**By:**
Comments:	

2 SEDIMENT CONTROLS

Corrective Action Required:	
Required Completion Date:	
Date Completed:	**By:**
Comments:	

3 WIND EROSION CONTROLS

Corrective Action Required:	
Required Completion Date:	
Date Completed:	**By:**
Comments:	

4 TRACKING CONTROLS

Corrective Action Required:	
Required Completion Date:	
Date Completed:	**By:**
Comments:	

5 NON-STORM WATER MANAGEMENT

Corrective Action Required:	
Required Completion Date:	
Date Completed:	**By:**
Comments:	

6 Waste Management and Materials Pollution Control

Corrective Action Required:	
Required Completion Date:	
Date Completed:	**By:**
Comments:	

Certification of Completion of Corrective Actions

I Certify that all required Corrective actions required from the referenced Storm Water IQA inspection report have been completed.
IQA Inspector Signature/ Date
Comments: