# City of Coquitlam
# **Erosion and Sediment Control (ESC) Monitoring Report**

Site **Compliant** with City of Coquitlam's ESC requirements?  Yes ☐      No ☐

Significant Rain Event?  Yes ☐      No ☐

## **Project Information**

**Project Name:** _____

**Developer:** _____   **Contractor:** _____

**Location (Civic Address):** _____

**Site Contact:** _____   **Phone Number:** _____

## **Inspection Summary**

**Inspection Date:** _____   **Inspection Time:** _____

**Current Stage of Construction:** _____

Ex: Clearing, Demolition, Excavation, Foundation, Drain Tile, Utilities, Civil, Backfill, Superstructure, Roofing, Hardscape, Road & Driveway, & Landscaping.

ESC Signage Displayed?  Yes ☐      No ☐

## **Weather, Temperature and Precipitation**

**Weather:** _____   **Temperature (°C):** _____

**Precipitation at Inspection:** _____   **24 hrs Prior to Inspection:** _____

**FlowWorks Rain Gauge Used:** _____

| Discharge Requirements as per the City's Stream and Drainage System Protection Bylaw NO. 4403, 2013 | | |
|---|---|---|
| **City of Coquitlam Discharge Requirements** | **Turbidity** | **pH** |
| Normal Conditions | 25 NTU | 6.5 – 8.0 |
| During and for 24 hours following a Significant Rain Event (SRE) <br> SRE means any precipitation event, which meets or exceeds the intensity of 25 mm per 24 hour period | 100 NTU | 6.5 – 8.0 |

## Erosion and Sediment Control Inspections

| ESC Measures and Facilities | Inspected | Maintenance Required | Observations/Recommendations |
|---|---|---|---|
| **Gutters and Downspouts** | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| **Access/Egress Controls** | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Gravel Access Pad | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Wheel Wash | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| **Perimeter Control Measures** | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Silt Fencing | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| **Temporary Drainage Swale and Sump** | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| **Storm Inlet Protection** | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Catch Basin Protection | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| **Disturbed Surfaces Protection** | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Stockpile Surface Protection | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| **Paved Surfaces Sweeping/Maintenance** | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Internal Paved Surfaces | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Off-site Paved Surfaces | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |

## Stormwater Conveyance and Water Treatment Systems

Type of Water Treatment on site: Sediment Pond ☐     Above-ground Water Treatment System ☐     N/A ☐

Description of Current Water Treatment System

_____

_____

_____

## Water Treatment Facilities

| Facility | Inspected | Maintenance Required | Observations/Recommendations |
|---|---|---|---|
| Sediment Tank(s) | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| Flocculant Tote(s) | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |
| pH Treatment (i.e. CO2 canisters) | ☐ Yes ☐ No ☐ N/A | ☐ Yes ☐ No ☐ N/A | |

Was discharge observed during site visit?    Yes ☐      No ☐

## Discharge

| Sampling Location | Parameter | Result | Compliant? |
|---|---|---|---|
| | Turbidity (NTU) | | ☐ Yes ☐ No ☐ N/A |
| | pH | | ☐ Yes ☐ No ☐ N/A |

**Meter Calibration Dates (Year-Month-Day)**

**Turbidity Meter:** _____     **pH Meter:** _____

## Sampling Data (summary of monitoring results including previous visits)

| Date (Year-Month-Day) | Time | Weather (precipitation mm) | Sample Location | Field p | Field NTU | Lab pH | Lab NTU |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## Recommendations and Action Items

**Attach ESC Inspection Photos with description to this report**.

**ESC Monitor Name:** _____     **ESC Monitor Title:** _____

**ESC Monitor Signature:** _____     **ESC Monitor Date:** _____

**ESC Supervisor Name:** _____     **ESC Supervisor Title:** _____

**ESC Supervisor Signature:** _____     **ESC Supervisor Date:** _____