



## G|PRO Construction Management

### CM Doc #5.1: Construction Activity Pollution Prevention (CAPP) Plan (LEED SSp1)

The goal is to create and implement a logistics-like Construction Activity Pollution Prevention Plan (CAPP) drawing for each major phase of construction that will impact site conditions (demolition, excavation, foundations and superstructure) showing:

**Control measures** that will be implemented to mitigate construction-related pollution

**Runoff coefficient** during that phase of construction

**Inspection checklist** by which the CM/GC monitors the control measures and documents routine maintenance

### Steps:

1. Use the existing Logistics Plan to create the CAPP for each phase of construction. The CM/GC should provide Subs with the CAPP for the phase that their scope of work falls within.
2. Strip the Logistics Plan of any non-essential notes and information that do not involve pollution prevention planning on the site.
3. Identify control measures and develop mitigation strategies (see examples below) appropriate to your project. Copy them into a “notes” section of your CAPP.
4. Draw and annotate the location of all selected control measures on the CAPP.
5. Calculate the Runoff Coefficient for the site during each phase of the CAPP and include this in the “notes” section.
6. Develop a CAPP inspection checklist to be completed weekly (see sample template). Pictures of control measures should be taken and meeting minutes should be saved, as LEED will request this documentation for certification.

### Sample Control Measures:

- Settle fugitive dust. Whenever dust is visible in the air, measures should be employed to suppress it immediately. (Ex. Wet saws, misting, water or other non-toxic means to control dust generated by construction activity)
- Prevent tracking of dirt and dust from the site into neighboring roads and areas. (Ex. Loads of debris and waste with potential of creating dust during transportation will be covered with a secured tarp during transport to and from site)
- Enclose site with screen to limit dust (and noise) pollution. (Ex. Install an 8' high (noise insulated) fence with an angled batton to effectively contain dust)
- Prevent concrete wash off sediment from entering storm sewers and neighboring water bodies. (Ex. Concrete trucks shall be washed off into a concrete wash off bin. Bin shall be left undisturbed until the water has evaporated and the hardened concrete can be disposed of)
- Prevent sedimentation of the storm sewers or neighboring water bodies. (Ex. All storm sewers in and around the site shall be protected from excess sediment by filter fabric placed over the sewer grate. Sediment and debris shall be cleaned from the storm sewer as needed)

**CONSTRUCTION ACTIVITY POLLUTION PREVENTION (CAPP) INSPECTION CHECKLIST**  
 (To be Performed Weekly and after Major Rain Events)

|                 |                  |
|-----------------|------------------|
| Project Name:   |                  |
| Project Number: |                  |
| Inspector:      | Inspection Date: |

|            | CONTROL MEASURE   | YES | NO | NEEDS ATTN | N/A |
|------------|---|-----|----|------------|-----|
| <b>1.0</b> | <b>SITE MEASURES</b>  |     |    |            |     |
| 1.1        | Trade contractors are rinsing concrete into the concrete washout box. Spillage on the site is picked up and deposited into the washout box. |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |
| 1.2        | Washout water is not entering the sewer system; it evaporates or is treated on or off site.   |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |
| 1.3        | Hardened concrete is removed from the wash out box with regular and reasonable frequency.   |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |
| 1.4        | Sediment is filtered from dewatering and surface water before discharge from the site by filtering or sitting in a sedimentation tank.      |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |
| 1.5        | Sediment is removed from sedimentation tank with regular and reasonable frequency.  |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |
| 1.6        | Project's dewatering/surface water pumping program is effective and sufficient.   |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |
| <b>2.0</b> | <b>CONTROLLING FUGITIVE DUST</b>  |     |    |            |     |
| 2.1        | Site is free of visible dust  |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |
| 2.2        | Trade contractors generating dust are using control measures, such as wet saw, misting, or watering   |     |    |            |     |
|            | Inspection Observations:  |     |    |            |     |

|            |   |  |  |  |  |
|------------|---|--|--|--|--|
| 2.3        | Stockpiles of soil, rock or sediment are covered or watered down.   |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| 2.4        | Soil is stabilized securely during backfilling, excavation and demolition.  |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| 2.5        | Before trucks and equipment leave the site, wheels or treads are cleaned or rinsed of dirt. Water from rinsing is properly drained.   |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| 2.6        | Loose material transported to and from the site is always covered with a tarp to prevent spill onto the roads and dust generation in the air.   |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| 2.7        | Area in and around site entry or access road is cleaned of spillage associated with this project  |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| 2.8        | Trade contractors and laborers are suppressing dust while sweeping.   |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| <b>3.0</b> | <b>NOISE &amp; VIBRATION MITIGATION</b>   |  |  |  |  |
| 3.1        | All construction activities involving impact are listed in trade contractors' Construction Activities Schedule. All noise and vibration mitigation methods listed in the Construction Activities Schedules are being implemented. |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| <b>4.0</b> | <b>INTEGRATED PEST MANAGEMENT AND HOUSEKEEPING</b>  |  |  |  |  |
| 5.1        | Site is clean of miscellaneous trash.   |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| 5.2        | Construction dumpsters are free of food waste. Food waste is being deposited into dedicated garbage cans. Garbage cans have lids and are covered.   |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |
| 5.3        | Trades are depositing recyclable glass bottles and aluminum cans into dedicated recycling bins.   |  |  |  |  |
|            | Inspection Observations:  |  |  |  |  |

|            |  |  |  |  |  |
|------------|--|--|--|--|--|
| 5.4        | Pest infestations: There were no pest infestations this week, or those that occurred, were investigated and resolved with minimal use of chemicals.                                      |  |  |  |  |
|            | Inspection Observations:   |  |  |  |  |
| 5.5        | Trades are depositing recyclable glass bottles and aluminum cans into dedicated recycling bins.  |  |  |  |  |
|            | Inspection Observations:   |  |  |  |  |
| 5.6        | Pest infestations: There were no pest infestations this week, or those that occurred, were investigated and resolved with minimal use of chemicals.                                      |  |  |  |  |
|            | Inspection Observations:   |  |  |  |  |
| <b>6.0</b> | <b>VEHICLE EMISSIONS REDUCTION</b>   |  |  |  |  |
| 6.1        | All equipment with engines larger than 50 HP are listed on Trades' Equipment Checklist for compliance with LMCCC Vehicle Emissions requirements.   |  |  |  |  |
|            | Inspection Observations:   |  |  |  |  |
| 6.2        | All trade contractors submitted ULSD slips this week.  |  |  |  |  |
|            | Inspection Observations:   |  |  |  |  |
| 6.3        | If grid power is available, electrical equipment is being used in lieu of diesel powered equipment, where available.   |  |  |  |  |
|            | Inspection Observations:   |  |  |  |  |
| 6.4        | Trade contractors are complying with idling restrictions. Equipment is not unnecessarily idling longer than three (3) minutes and trades are enforcing the requirements with their subs. |  |  |  |  |
|            | Inspection Observations:   |  |  |  |  |