

Environment - Environmental Incident only

Environment - Environmental Incident only Report - Loss of stormwater during the refresh of stormwater controls.

Details

Sub Classification

☒ Water Pollution

Event Date/Time:	27-Oct-2020 11:30	Department:	6721 - Parramatta Light Rail Infrastructure
Reported Date/Time:	27-Oct-2020 13:30	Site Name:	Adderton Road Telopea
Due Date:		Country:	Australia
Responsible Organisation:	CPB Downer JV		

Reported By

Name: BARKHO, David

Reported To

Name: WALLIS, Megan Occupation:

Vehicle Fire

Suppression

Vehicle Tyre

Monitoring

Person(s) Involved Employee / Worker

in Event

Notifiable Event ? Yes - Protection of Environmental Operations Act

Description

Following a major stormwater event (>50mm), sediment controls were briefly removed from a stormwater drain to remove sediment and refresh the controls. During the removal process, there was a loss of stormwater to the drain. It is noted that additional sediment controls, including a geofabric-lined swale drain and rock checks, remained in place during the replacement of stormwater drain controls.

Immediate Action Taken

Actual Outcome

☒ C4 - Moderate

Potential Risk

Consequence: C4 - Moderate Likelihood: L4 - Unlikely Level of Risk: C - Medium

Management Summary

Assigned To: BARKHO, David

Assigned To: WALLIS, Megan

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Environmental Factors

Receiving Medium:	Natural Waterway	☐ Final Point of Impact
Mechanism of Incident:	Sediment capture, storage or discharge	
Nature of Incident:	Water Pollution	
Agency of Incident:	Sediment Laden Water	Agent:
Volume of Agent Released:	> 10,000 Litres	Volume (L):
Volume of Agent Recovered:	None	Volume(L):
Area of Impact:	Within region	Area (m²):
Duration of Incident:	< 1 day	1.00 Hours
Comments:		

Species Impacted

Species Name	Protected	Number	Habitat
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Notifications

Organisation Name	Person Name	Notified By	Date	Comments
CPB Downer JV		CORISH, Denise	27-Oct-2020	The Environmental Incident was notified to the EPA and DPIE.

Root Causes

☒ ABSENT OR FAILED DEFENCES	
☒ AWARENESS	
☒ Competence / knowledge	Lack of knowledge from workers on requirement to continuously have established sediment controls for sediment laden water.
☒ Work instructions / procedures	Instructions have been provided to workers to stop the flow of stormwater.

Investigations

Team Leader

Name: David Barkho

Close Out Date:

Sequence of Events :

Following a major stormwater event (>50mm), sediment controls were briefly removed from a stormwater drain to remove sediment and refresh the controls. During the removal process, there was a loss of stormwater to the drain. It is noted that additional sediment controls, including a geofabric-lined swale drain and rock checks, remained in place during the replacement of stormwater drain controls.

Findings:

The controls required refreshing following the heavy rain, however the flow of stormwater was not stopped during the clean up process.

Key Learnings:

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Management Methods: Ensure stormwater flow is stopped and controlled during sediment control reinstatement.

Proposed Actions

Action No. 1

Observation: Loss of stormwater during the refresh of stormwater controls.

Action: Provide toolbox talk to workers on the requirements of sediment controls during heavy rainfall events.

Comments:

Cost:

Risk:

Responsibility: BARKHO, David

Due Date: 06-Nov-2020

Completion Date:

Original Due Date: 06-Nov-2020

Event Weather

Atmospheric Conditions: Heavy Rain

Wind Speed:

Ocean Condition:

Wave Speed:

Temperature(°C):

Lighting:

Max Wave Height(m):

Current Direction:

Humidity:

Min Wave Height(m):

Visibility:

Wind Direction:

Current Speed:

Wave Direction:

Time of Day:

Comments: Over 50mm of rainfall within a 5 day period (from 23 Oct to 27 Oct)

Report Sign Off

Signed:..... Date:.....