

Engineering and Operations Committee

Item 6b

Subject: Oral Report on Topock Chromium 6 Remediation Project

Purpose: To review Topock Chromium 6 Remediation Project along the Colorado River

Engineering and Operations Committee

Item 6b

Summary

This presentation will provide an update on the activities associated with the Topock Chromium 6 remediation project.



Topock Chromium 6 Remediation Project Update

Engineering and Operations Committee

Item 6b

May 10, 2010

Colorado River System



Lake Mead

Hoover Dam

Nevada
California

Lake Mojave

Arizona

Needles

TOPOCK

42 miles

Whitsett Intake

Lake Havasu

Parker Dam

CRA

Topock Chromium 6 Discharge

California



IM3
Treatment



Bat Cave
Wash



PG&E Topock
Gas Compressor
Station

Floodplain
Wells

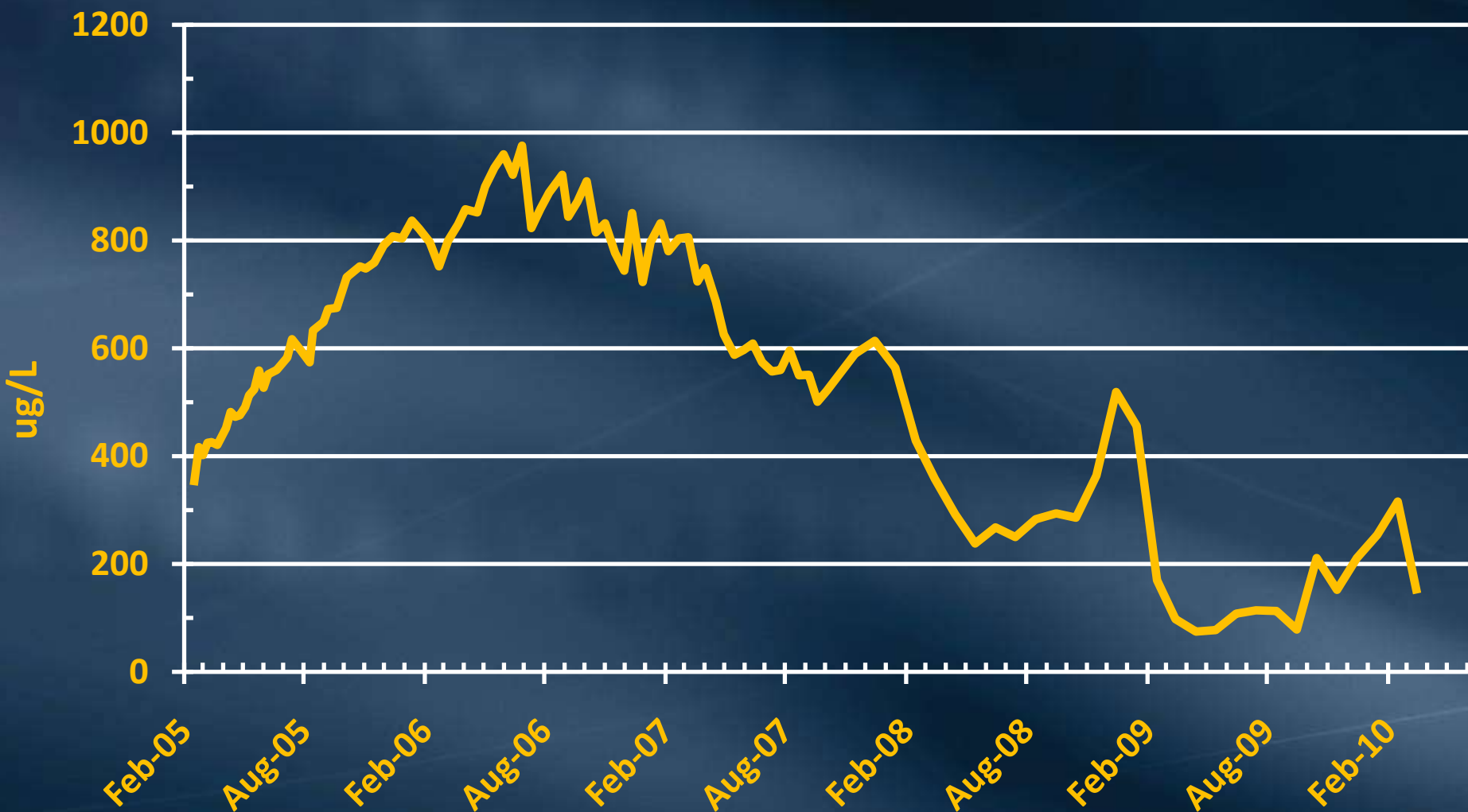
Topock, AZ

Colorado River



Chromium 6 Monitoring Well (MW-34-100)

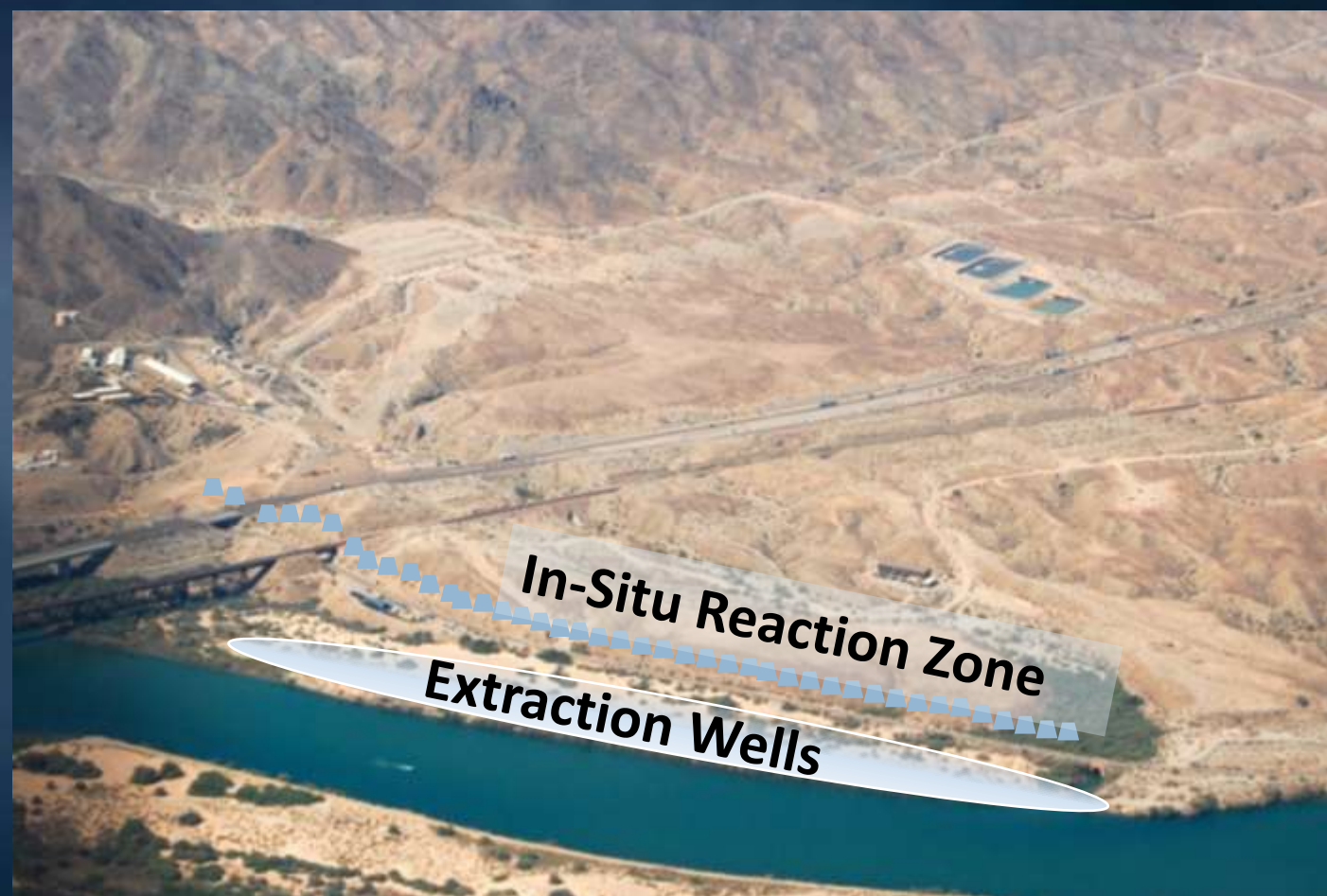
(Located 60 feet from River)



Clean-up Decision

- In-Situ treatment with freshwater flushing
 - Underground biological treatment
 - Draft EIR - April 2010
 - Final EIR – December 2010
- Operation expected 2013
- Tribal consultation - ongoing

In-Situ Treatment with Freshwater Flushing



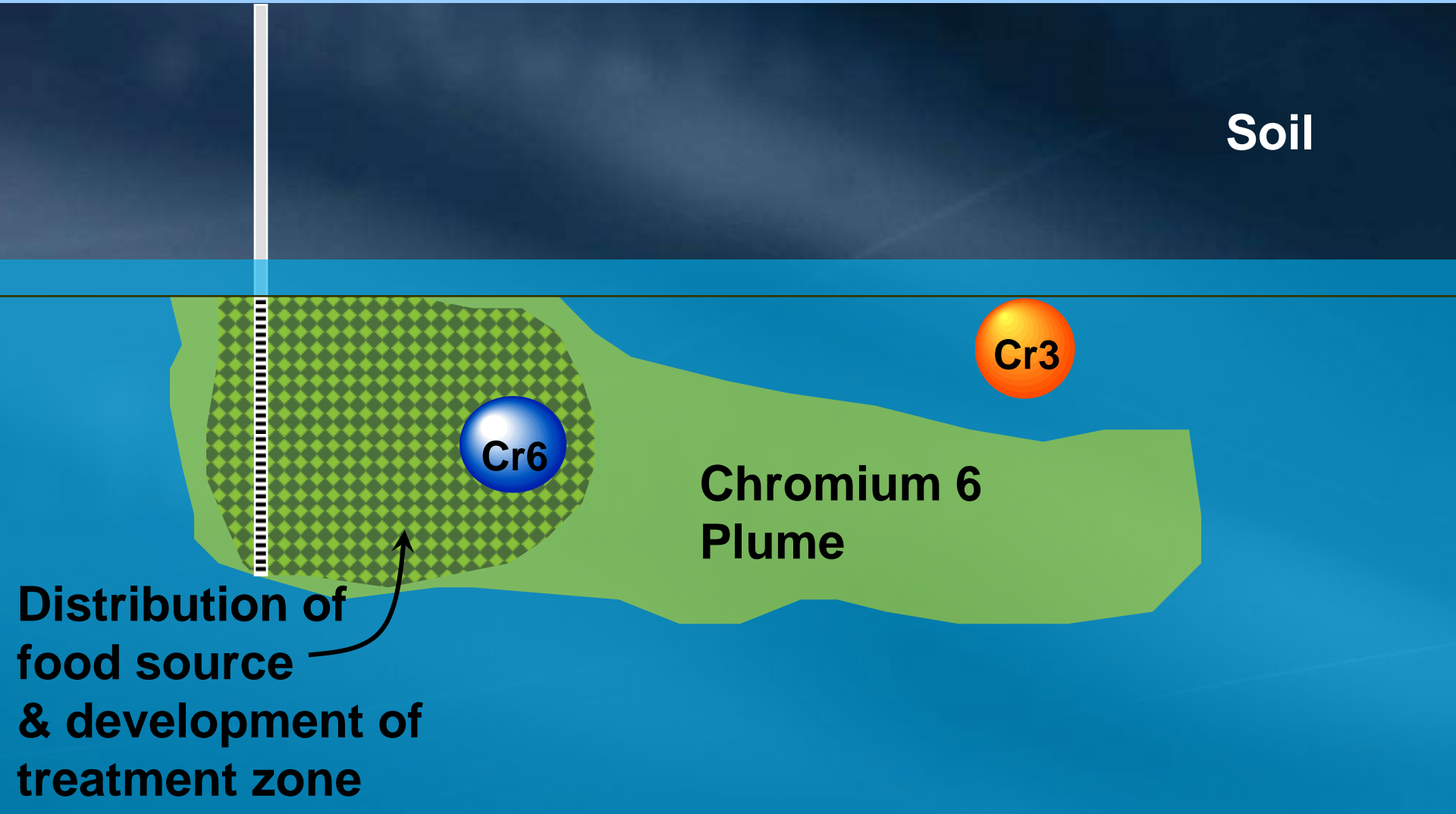
- Inject nutrient
- Flush plume through underground biological treatment zone
- Removes Chromium 6 from groundwater

In-Situ Treatment

Injection of food source (carbon source) →

Ground surface

Soil



Distribution of food source & development of treatment zone

Chromium 6 Plume

Cr6

Cr3

Next Steps

- Review and provide comments on EIR
- Continue to participate on
 - Consultative Workgroup
 - Topock Leadership Partnership
- Advocate for the expedient implementation of the final remedy
- Monitor implementation of remedy and ensure protection of river

