

KBR

MINUTES OF MEETING

Team RIO

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Meeting Number	Date of Meeting	Location of Meeting
MOME030808	08-Aug-03	MWR Room – Crowne Plaza
Purpose of Meeting:		
Review potential environmental issue on Sodium Dichromate residue.		
Attendees:		
C.W. Adams	Mike Sumpter	
Rod Kimbro	Herb Myers	
Young Lee	Greg Althaus	
Leon Cater	Johnny Morney	
Will Van Ostrand	John Waterous	
Rob Hall	K. Singal	
Frank Luce	Kish Atit	
Report Sent to: (in addition to attendees)		
L.D. Loveladdy		
Report Issued by:	E. Sotillo	08-Aug-03
	(Signature)	(Date)

Meeting Minutes**Status:**

- Serious health problem at water treatment plant with a chemical called Sodium Dichromate.
 - K. Singal reported that the problem seems worse than initially considered.
 - Almost 60% of the people now exhibit the symptoms.
 - Soil samples being evaluated. Expect results by next week.
 - According to Leon's assessment, the chemical has been on the ground since day one.
 - The chemical looks yellow on the soil, orange on the concrete.
 - Water taps were installed so that people in the neighborhood would not make holes in the lines used by Halliburton.
 - Suspect residue in the pipes.
 - Need to check the chemicals that are used to build the fluids.
 - Wind is blowing the product that is lying dry on the ground.
- People are potentially exposed to something that may be very dangerous.
 - Y. Lee stated that the environmental group has no control over the long term solution to this issue. They are working on options for temporary remediation.
 - **Alternative protective measures** to prevent exposure to our people on this location:
 - Temporary solutions proposed:
 - Set up a decontamination station where people can wash and change clothes.
 - Spray a chemical that would slowly stop the residue from being dusted.
 - Gravel the surface around all working areas.
 - Use a heavy oil that will crust over the surface.
- Sodium Dichromate could have been dumped on the ground for quite a long time. We do not know how deep it is but it looks like it is greater than 4 feet.

PLAINTIFF'S
EXHIBIT

- Interior of containers/trailers need to be decontaminated.
- Original design did not include use of this chemical for injection.
- HSE department is coordinating medical test for all the people working in the area.
- There is no reason for shutting down the water station.
- Haliburton hands will wear a paper mask and goggles, while the temporary solution determined and implemented.
- Haliburton will use a spraying truck to keep the chemical watered down. Recommended to have a mist spray.

Action Items	ACTION BY	DATE
Protection to individuals / Decontamination: <ul style="list-style-type: none"> • Medical test every individual working in the area to assess level of exposure. • Decontaminate interior of trailers and containers (wash with soap and water) • Meet with Doctor at Shiaba Port tomorrow to set up a medical test program for the people working in the area. 	C.W. Addams	09-Aug-03
Soil remediation: <ul style="list-style-type: none"> • Temporary solution: use gravel around the area, and water the chemical down to prevent the wind from dusting and blowing it. • Permanent solution: yet to be proposed. 		