

Mixing Zone Modeling Webinar Workshop Series January 22- 24 2013

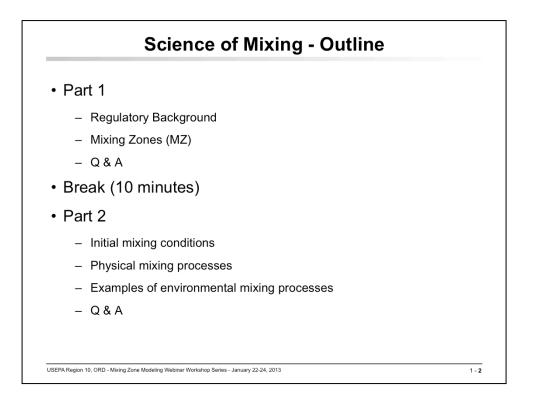
# **Science of Mixing**

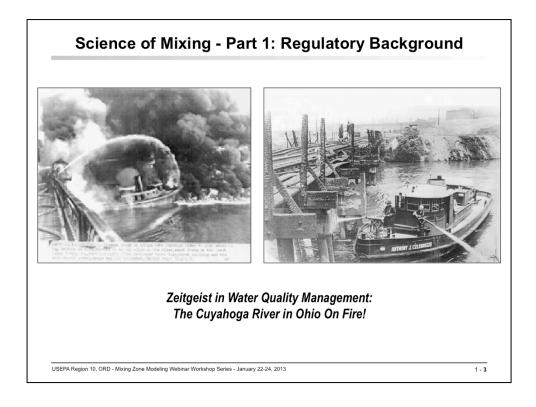
Presentation by

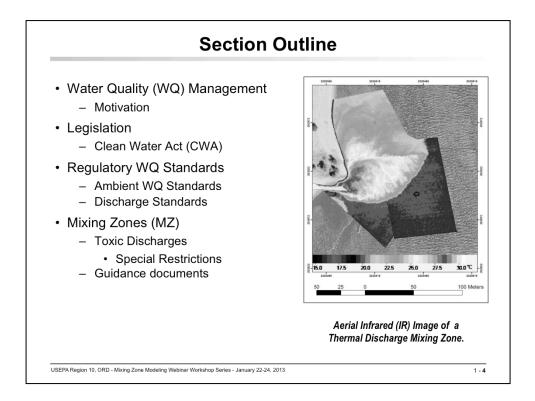
Dr. Robert L. Doneker, P.E.

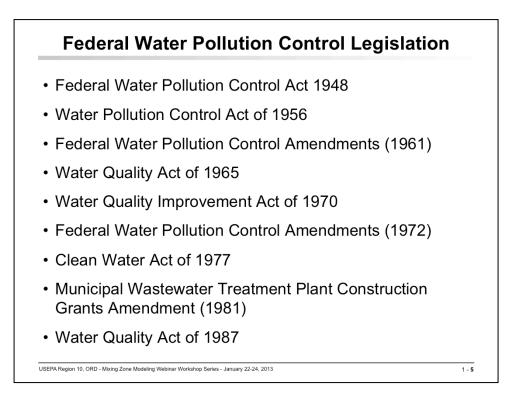
MixZon Inc.

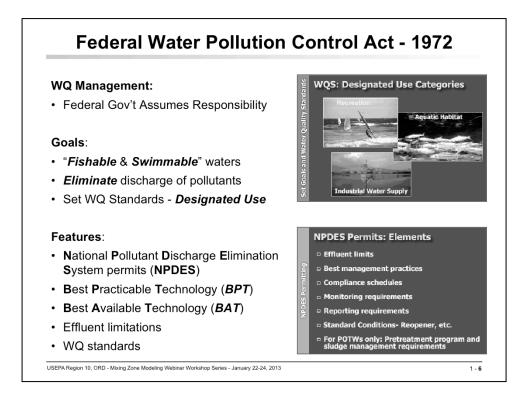
E-mail: support@mixzon.com

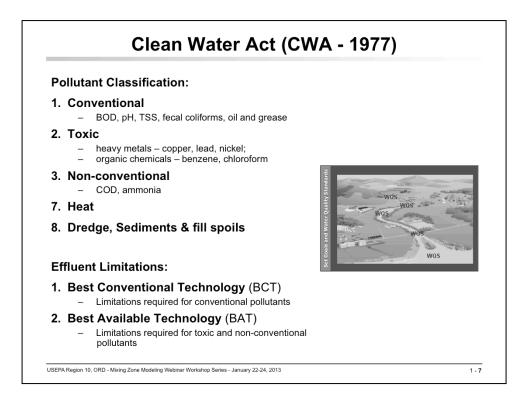


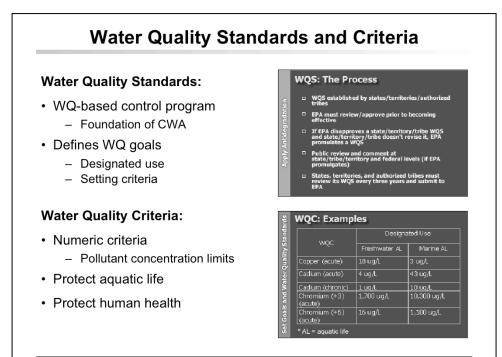






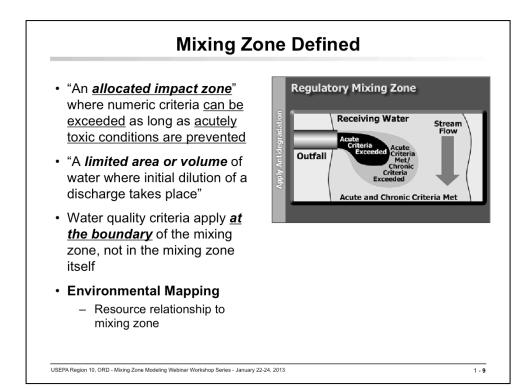


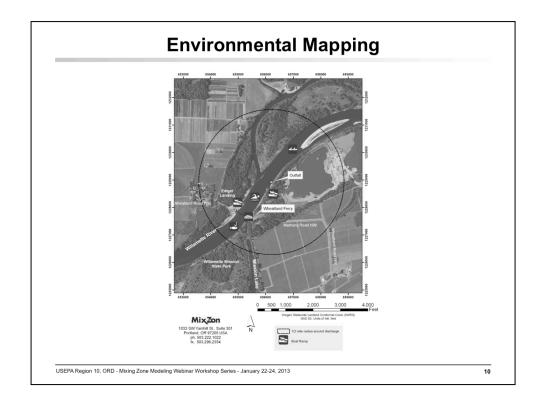


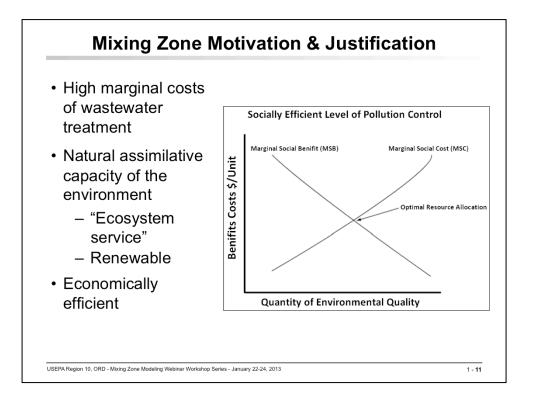


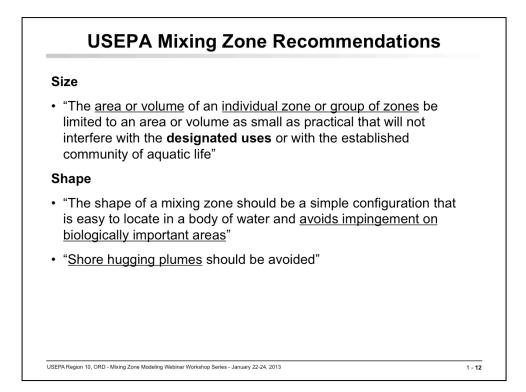
USEPA Region 10, ORD - Mixing Zone Modeling Webinar Workshop Series - January 22-24, 2013

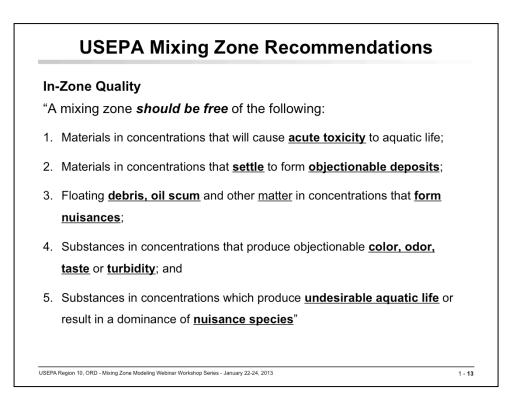
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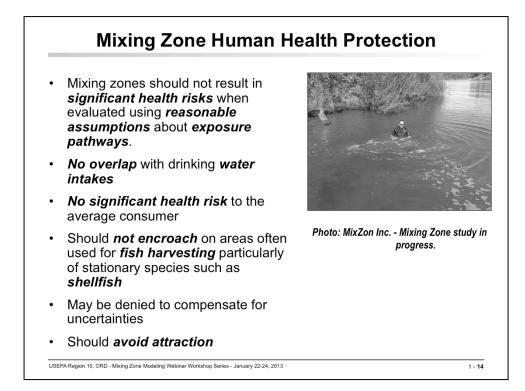


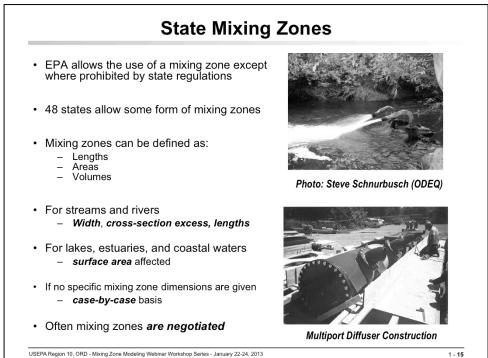


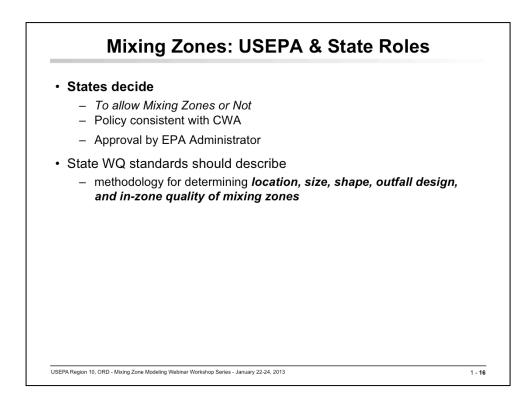




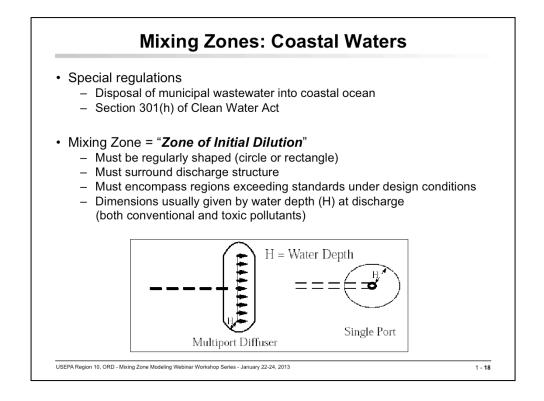


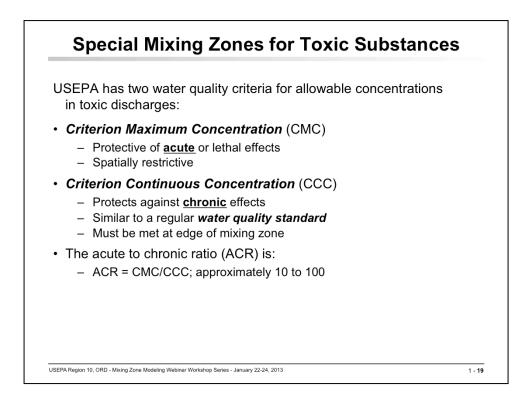


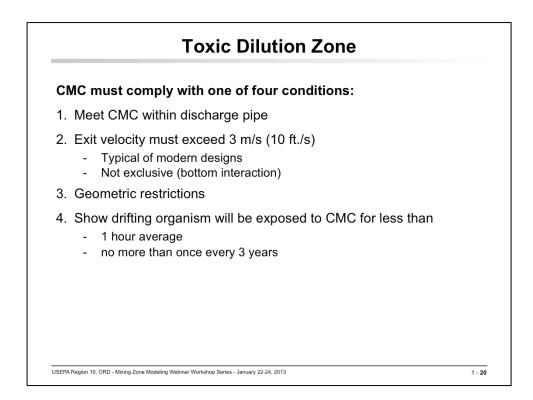


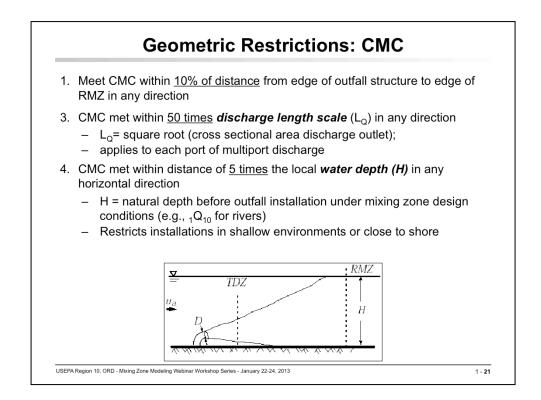


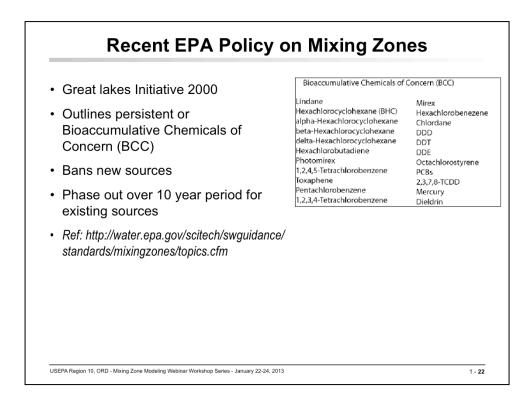
<u>State</u>	Water body	Dimensions	
Alabama Arkansas	0 large streams	0 <= 1/4CS	
Alaska	rivers, streams lakes	<=1/3 CS <=10% SA	
Arizona	NR	NR	
California	0	0	
Connecticut	streams	<=1/4 CS	
Delaware	streams lakes	<=1/3 CS <=10% SA	
D.C. Michigan W. Virginia	estuary streams Lake Michigan Warm water fish Streams Cold water fish Streams	<=10% SA <= 1/4 CS <= 1000' radius	

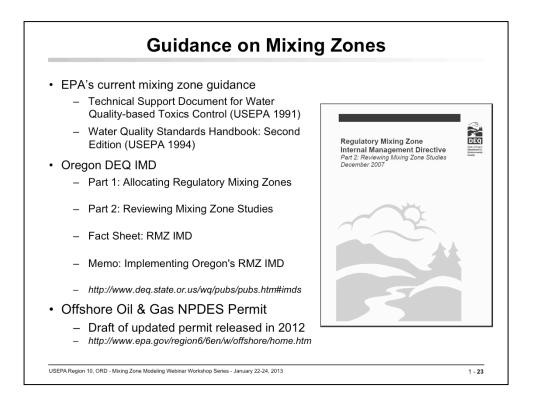


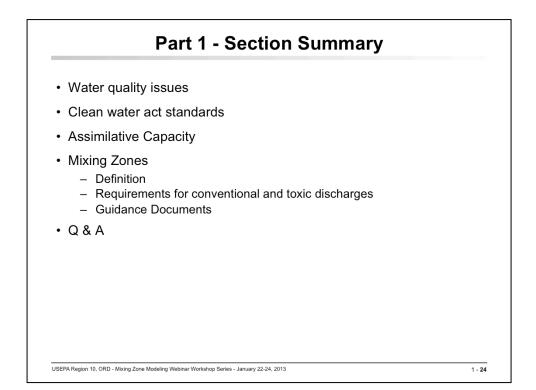


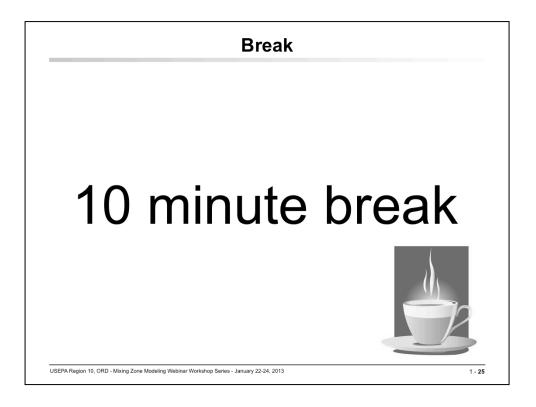


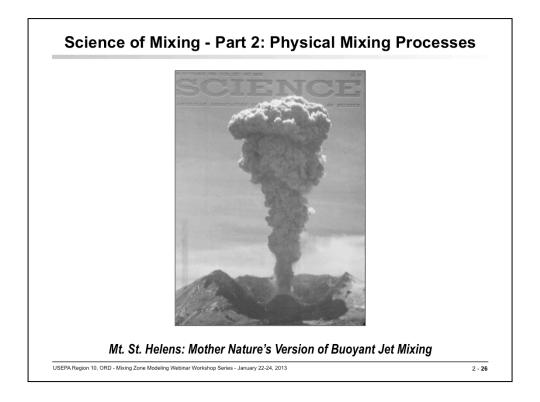


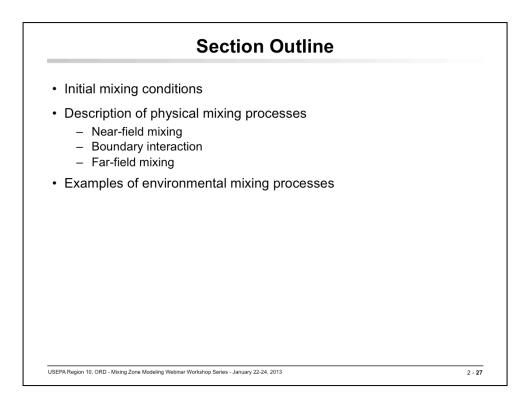


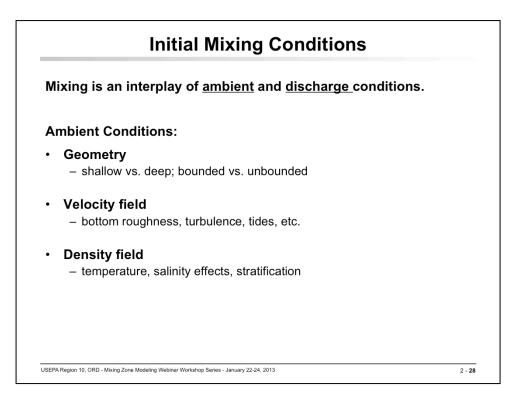


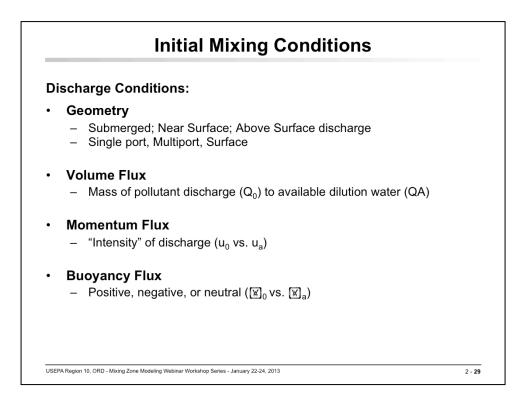


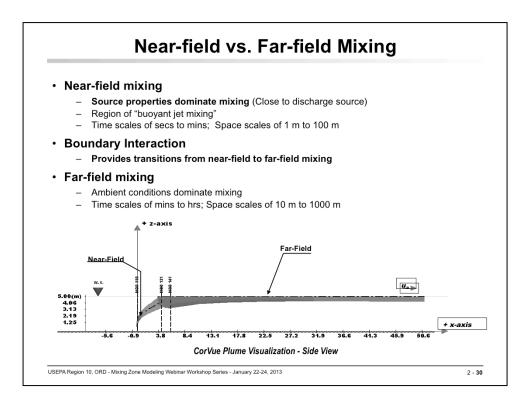


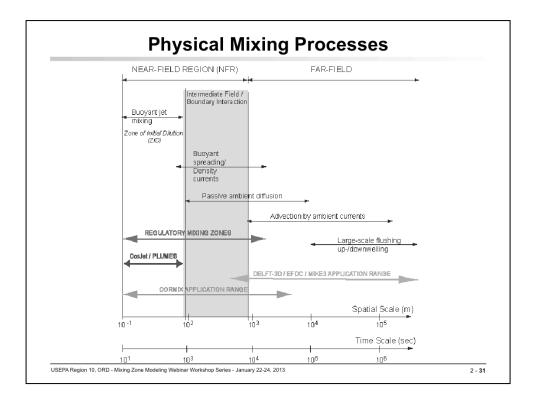


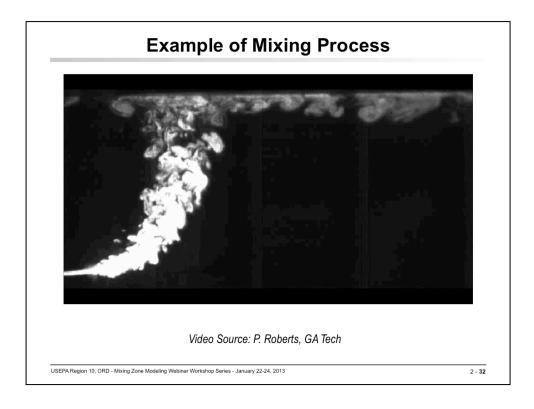


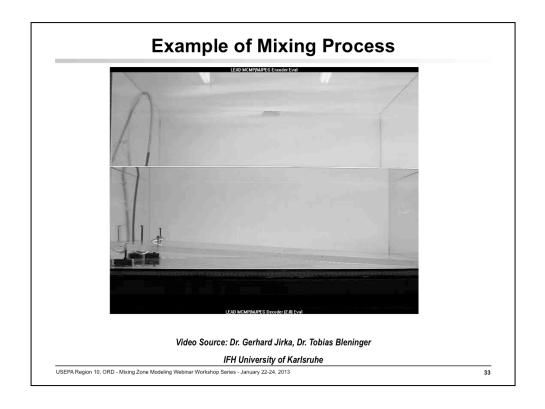


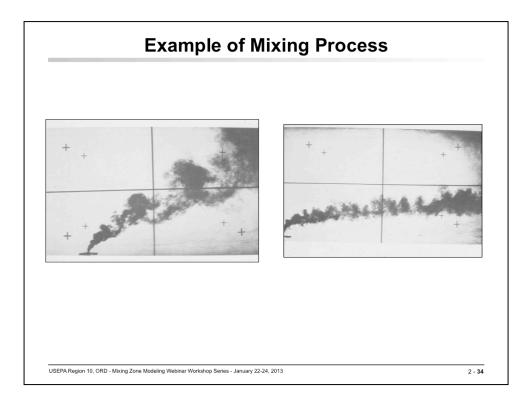


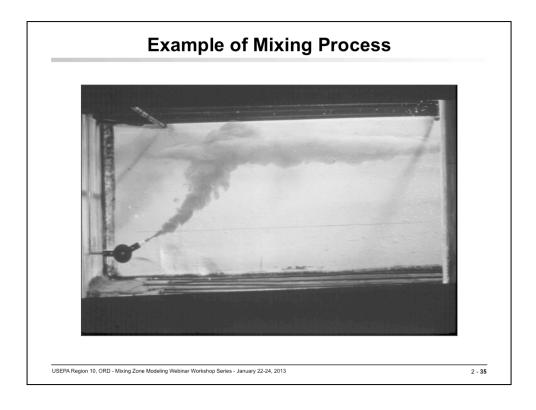


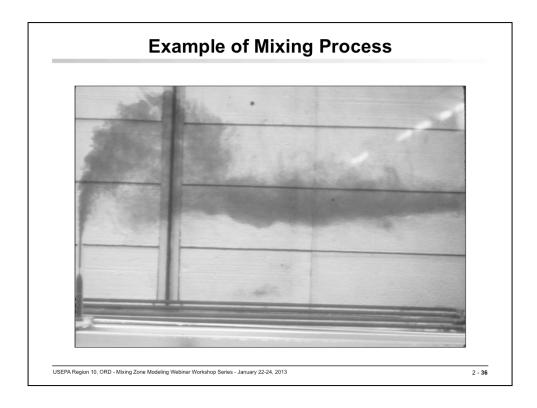


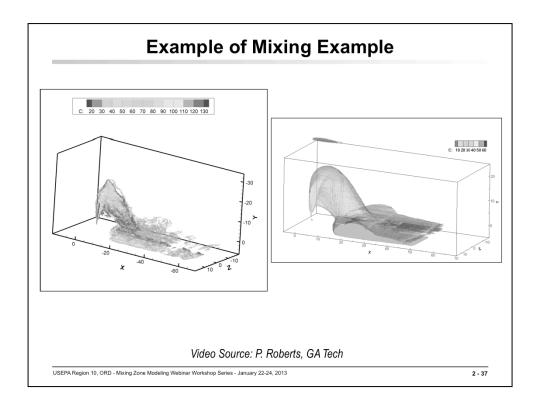


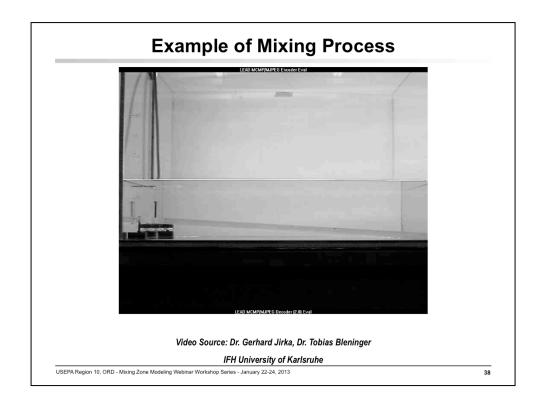


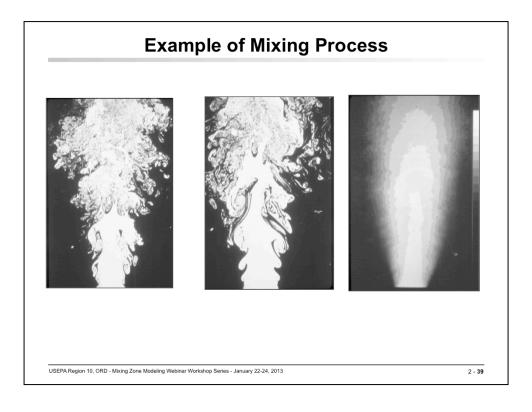


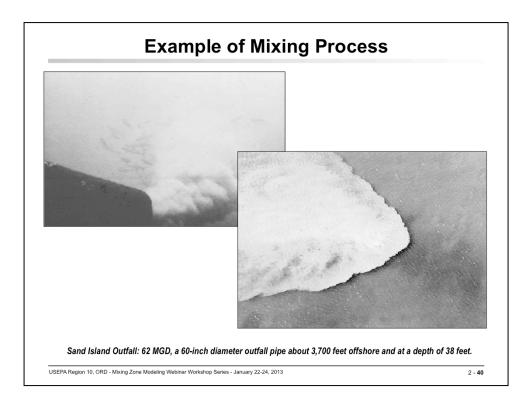


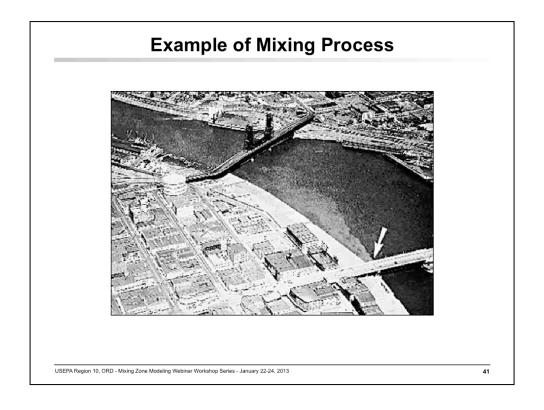


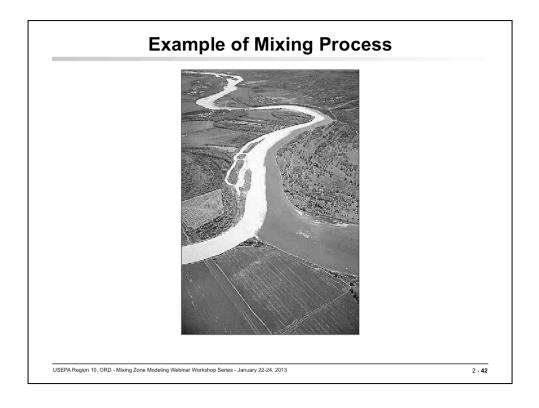


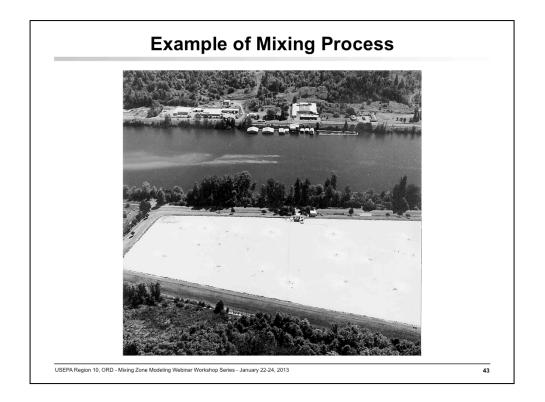


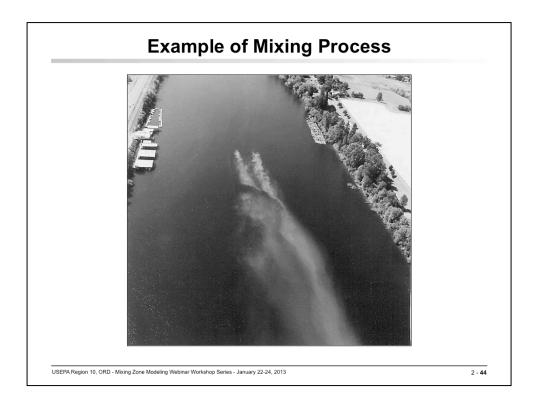


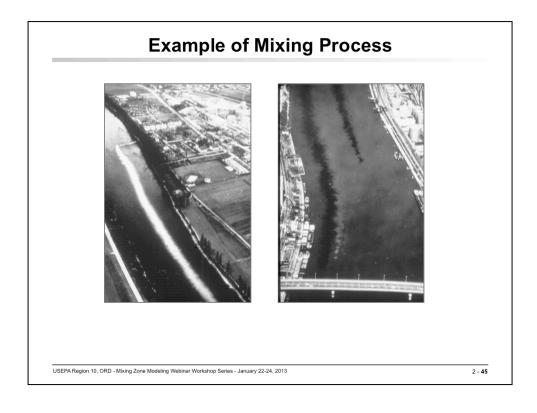


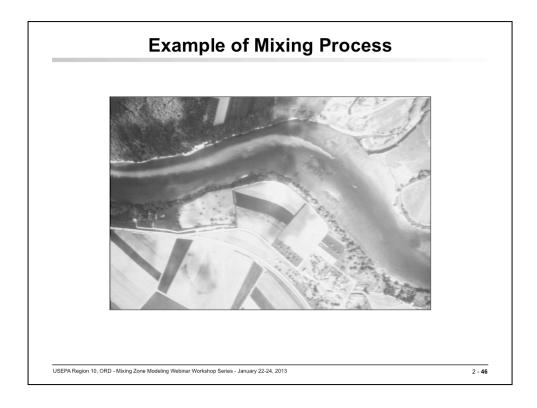


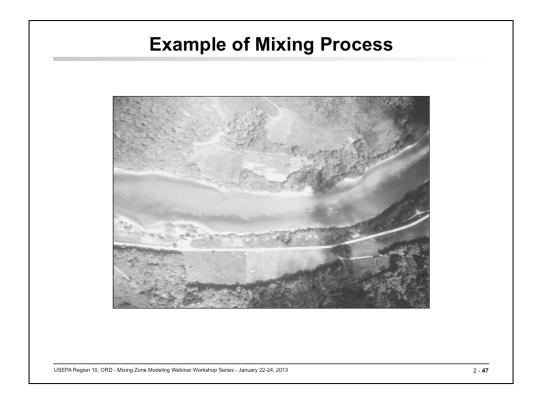


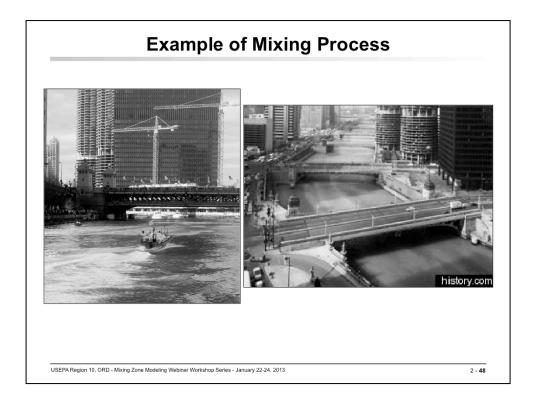


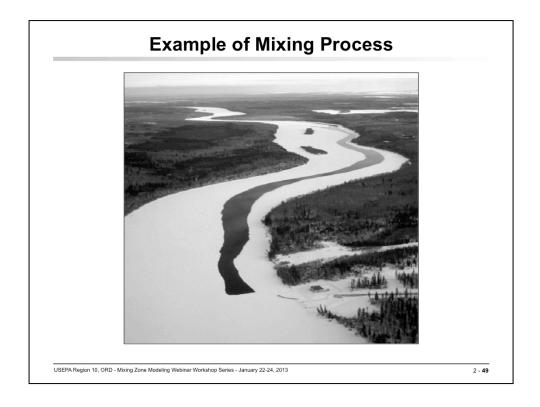


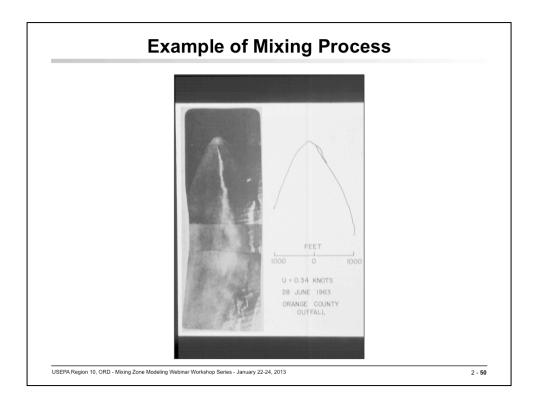


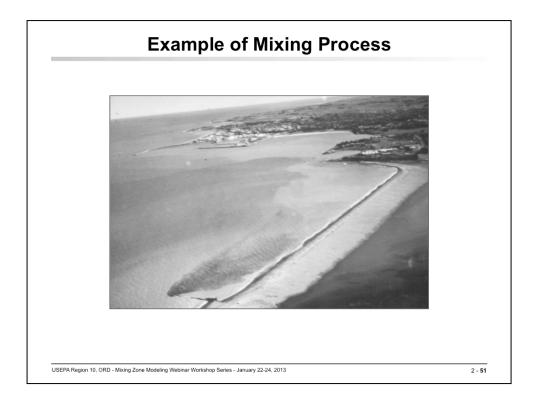


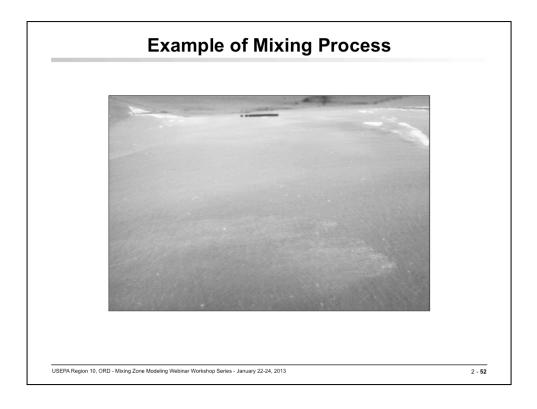


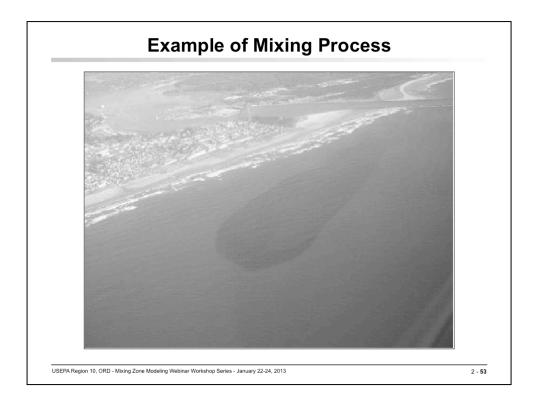


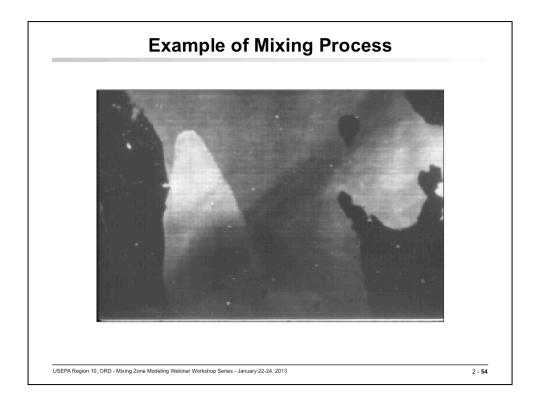


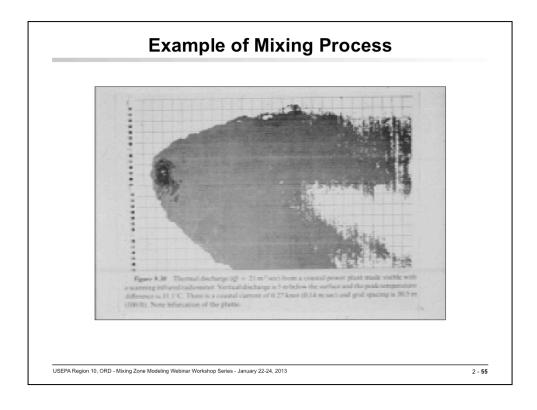


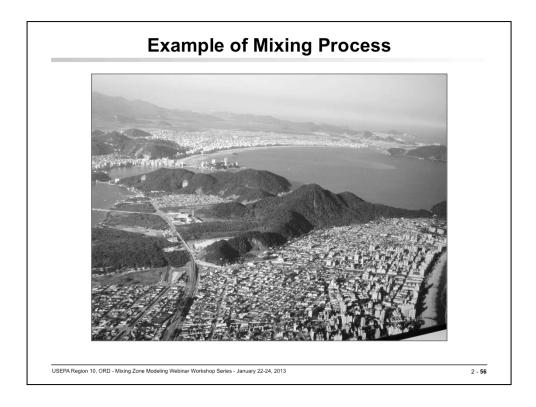


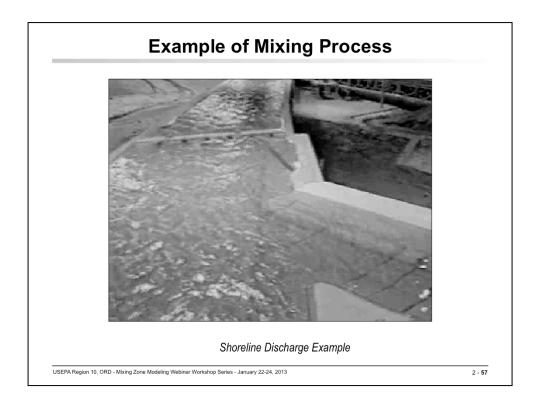


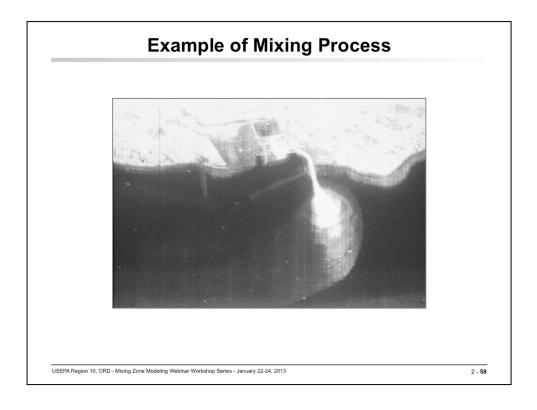


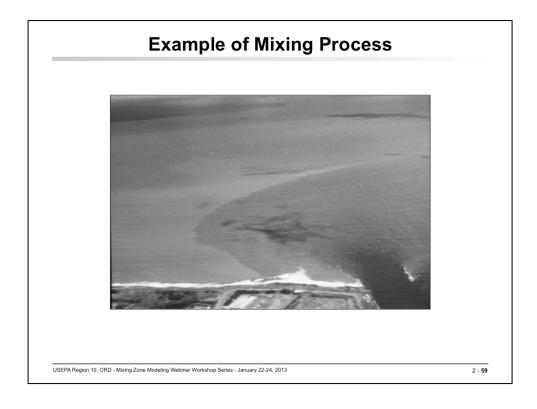


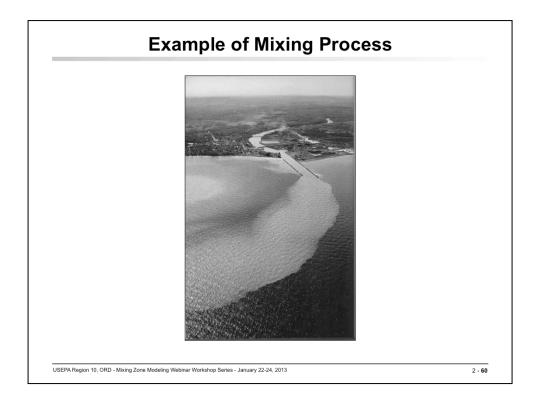


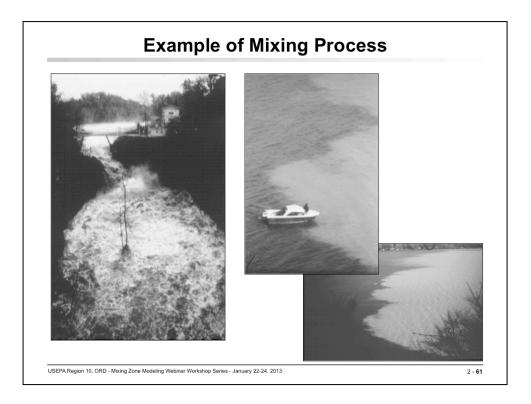


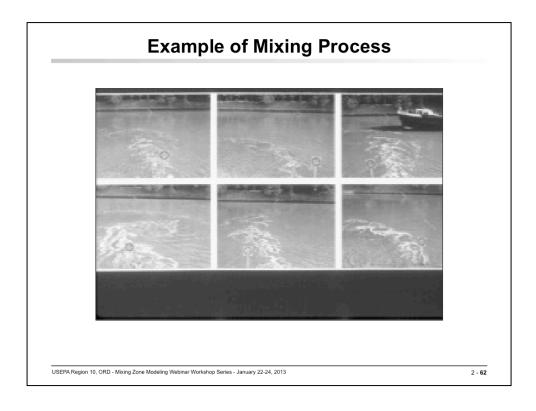


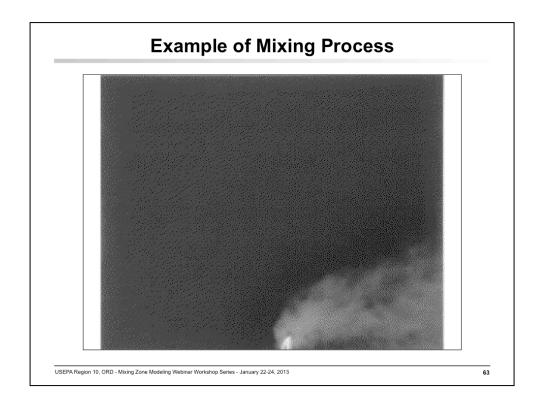


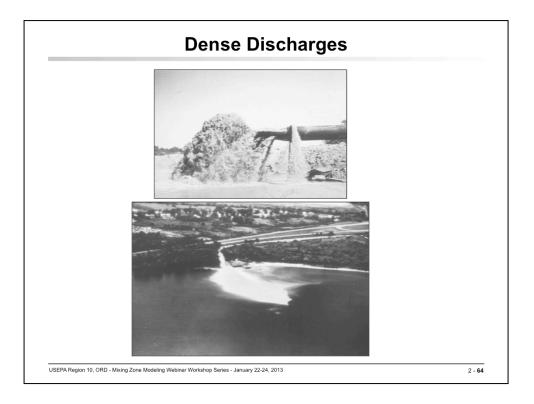


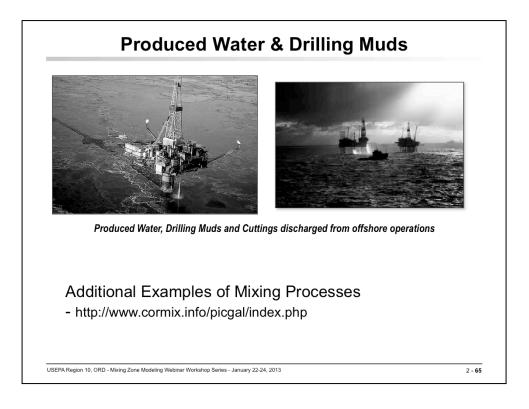


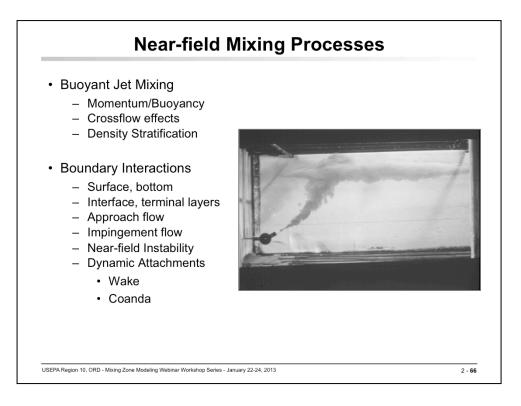


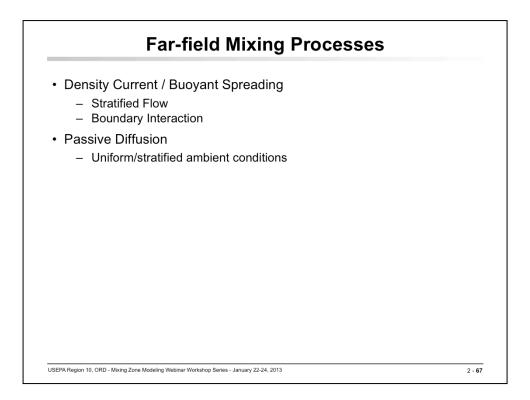


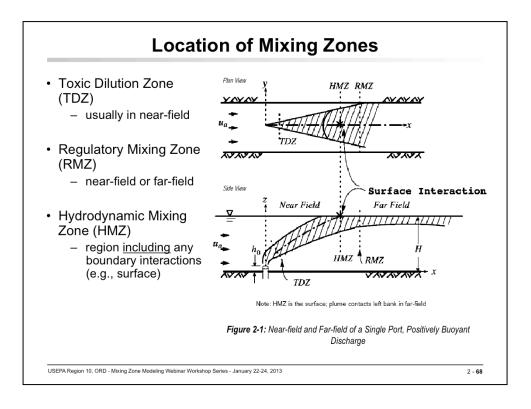


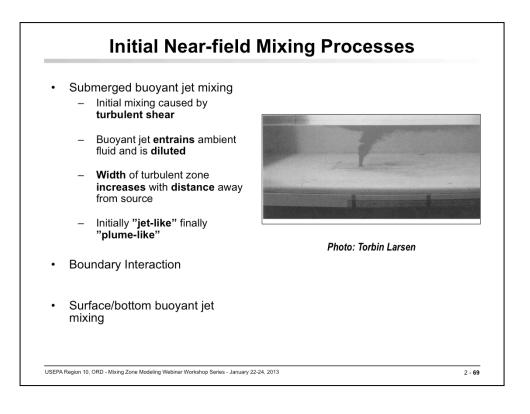


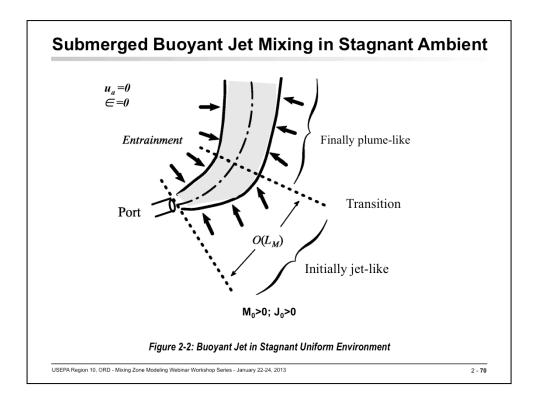


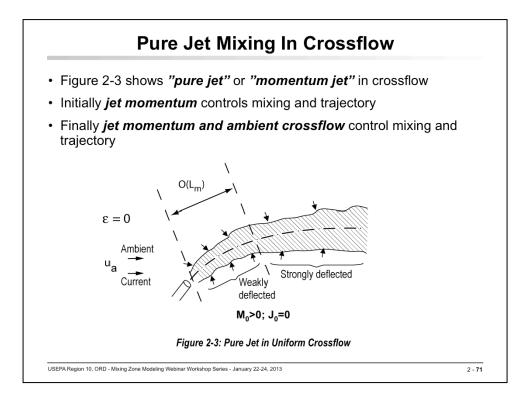


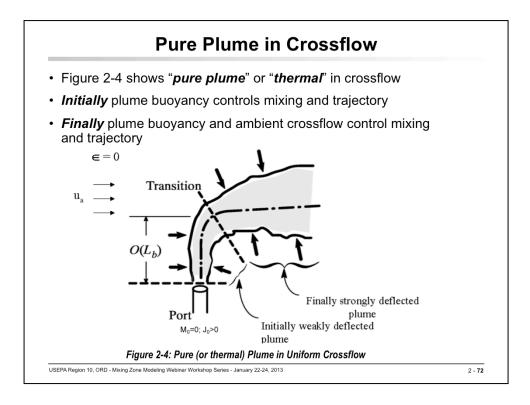


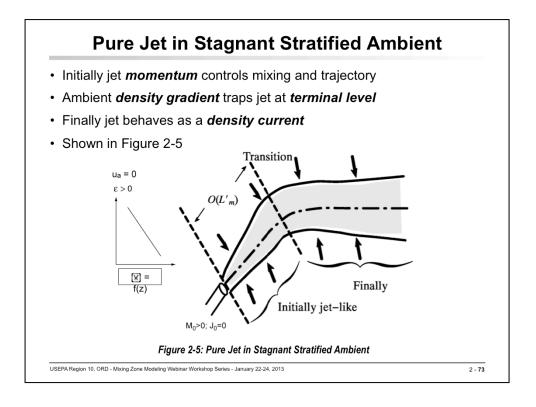


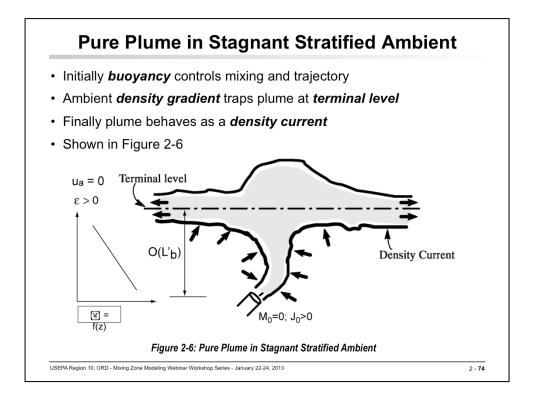


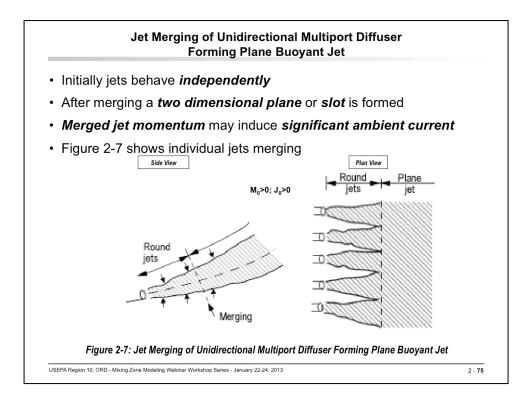


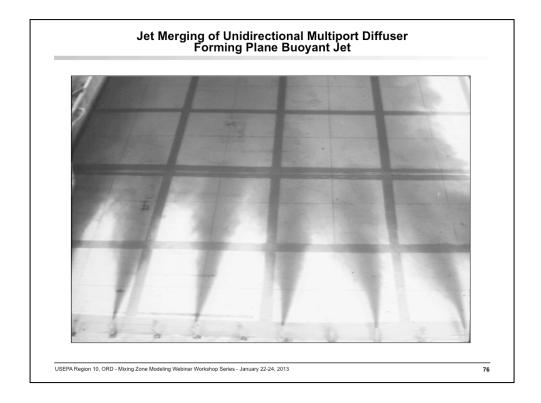


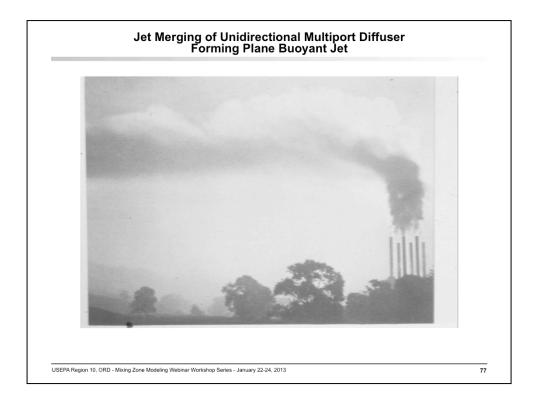


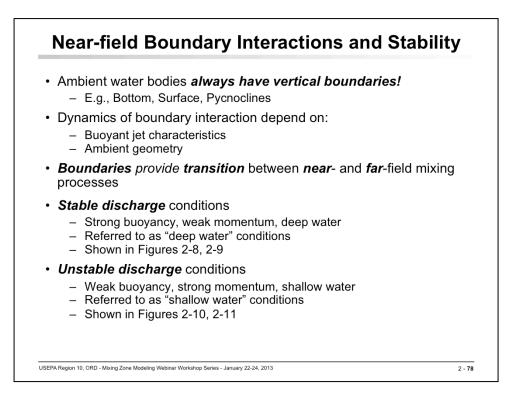


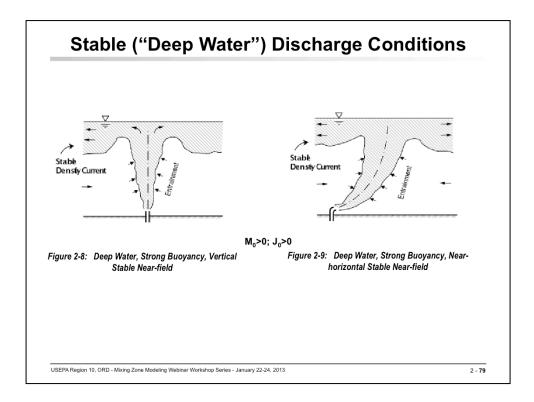


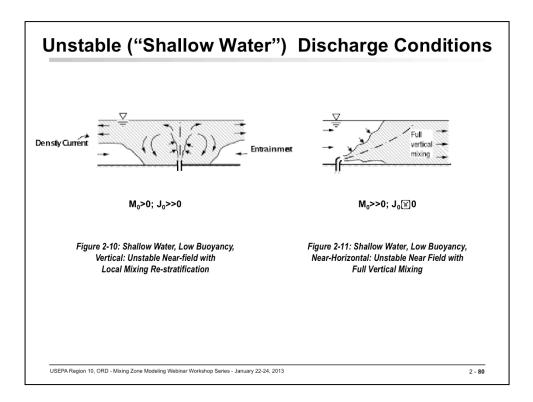


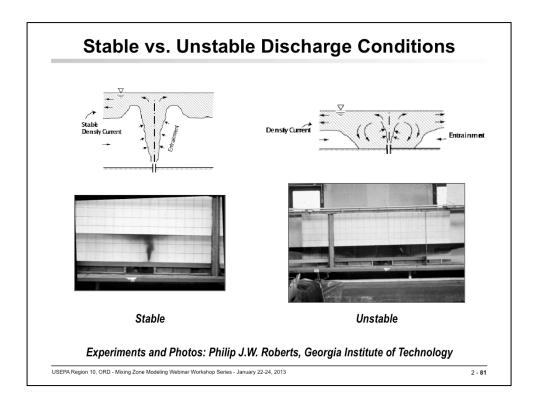


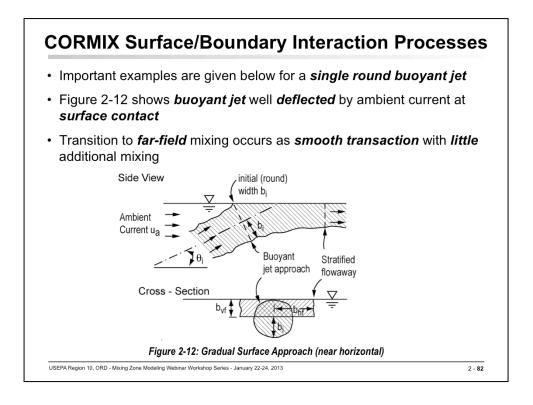


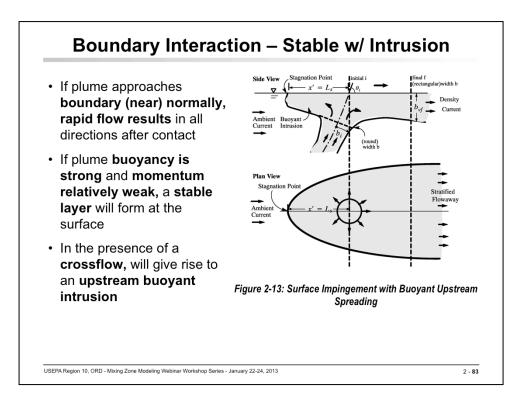


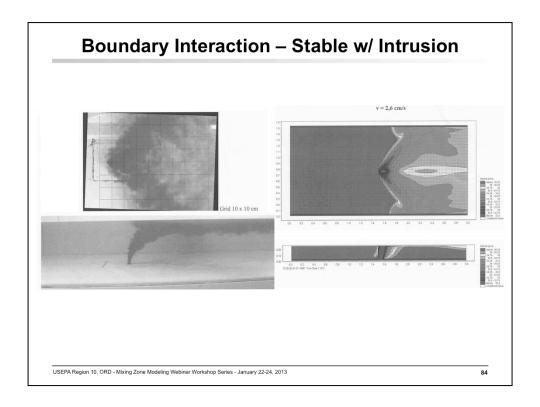


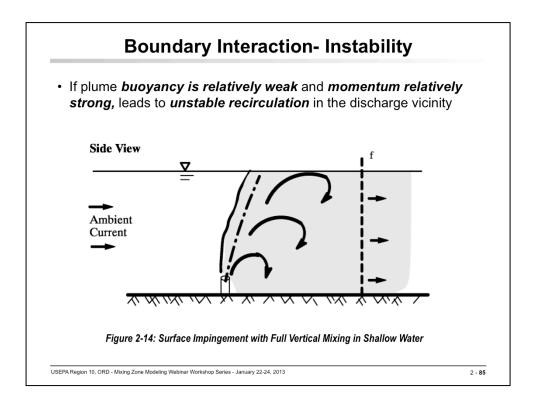


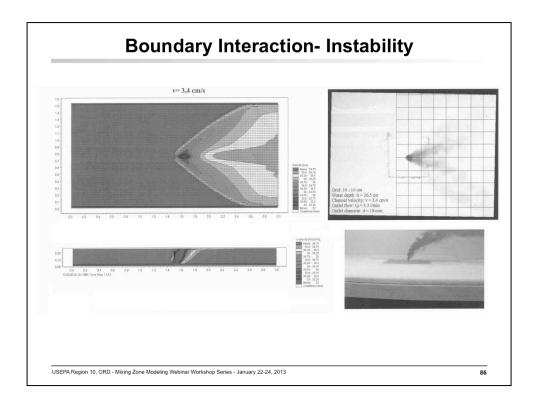


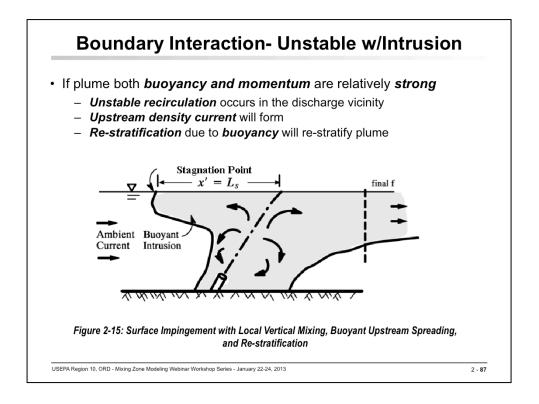


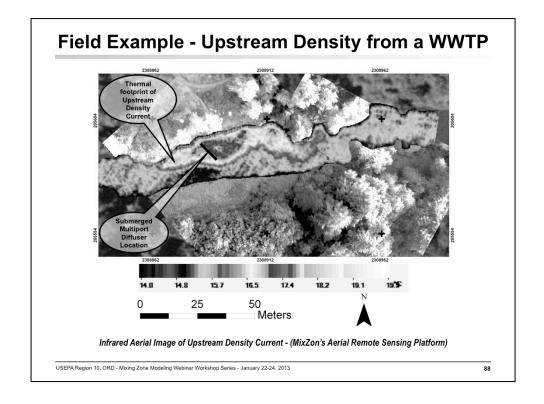


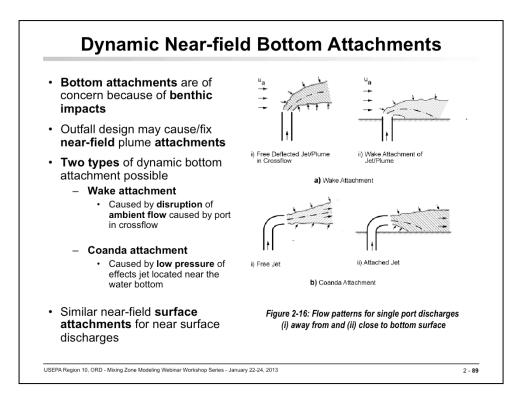


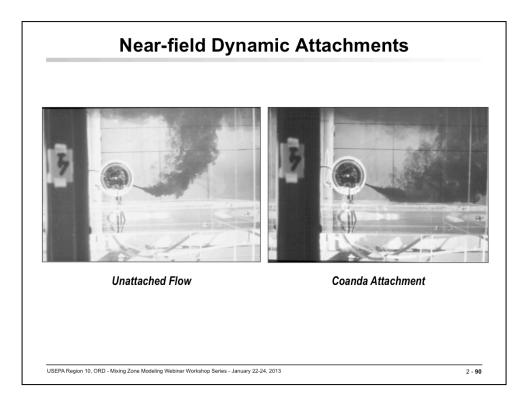


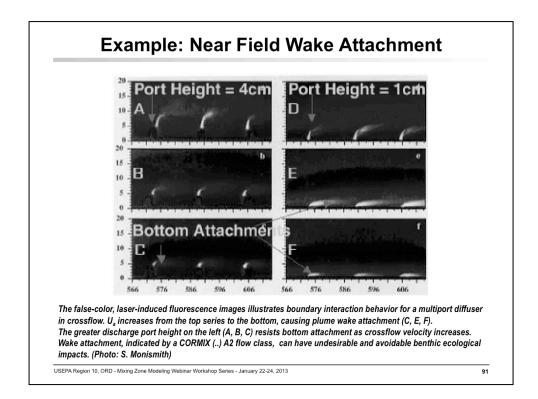












Crossflow velocity (left to right) is increased from

