



**CHLOREP Team Training
Mississippi State Fire Academy
April 29 – May 3, 2024**



SCHEDULE

Monday, April 29

TIME	ACTIVITY	LOCATION	LEAD PRESENTER / INSTRUCTOR
6:30 am	BREAKFAST	Cafeteria	
7:15 am	Welcome, Orientation & Rules of Conduct	Auditorium	Justin Cox (OxyChem) – 2024 Chair Jason Holden (SRS) – 2024 Vice Chair
7:30 am	CHLOREP Stewardship	Auditorium	Duane Carpenter (Westlake)
7:55 am	Hazmat Emergency Response Regulations	Auditorium	Duane Carpenter (Westlake)
8:15 am	Jeopardy Game – CHLOREP & Hazmat ER Regulations	Auditorium	Duane Carpenter (Westlake)
8:25 am	Chlorine 101	Auditorium	Drew English (Westlake)
8:50 am	Chlorine Health Effects: Toxicology, Exposure & Treatment	Auditorium	Dr. Chris Kuhlman (CTEH)
9:10 am	Overview of Field Exercises W thru Z	Auditorium	Justin Cox (OxyChem)
9:15 am	First Rotation of Groups W thru Z	See Site Map & Rotation Schedule	
	➤ Chlorine Cylinders: Emergency Kit “A” & Recovery Vessel		Brian Cleary (Kuehne Chemical)
	➤ Chlorine Ton Containers: Emergency Kit “B”		Mike Croke (JCI Jones Chemical)
	➤ Chlorine & Flammable Gas Tank Car Valves: Kit “C,” Midland ERK & Indian Springs ERK <i>(begin in auditorium)</i>		Duane Carpenter (Westlake) Troy Scarrow (Midland) Ray Racha (Indian Springs)
	➤ Smoke House Exercise & PPE Demo		Jeff Dean (Chemtrade) Curtis Myson (RAC)
11:15 am	LUNCH <i>(Leave cafeteria by 12:00pm and return to Auditorium by 12:15pm.)</i>	Cafeteria	
12:15 pm	Jack Rabbit Chlorine Release Test Program	Auditorium	Terry Rockwell (SRS) Chip Day (SRS) Tracy Clark (UPS) Drew McCarty (SPSI)
12:50 pm	Second Rotation of Groups W thru Z <i>(stations noted above)</i>	See Site Map & Rotation Schedule	Noted above
2:50 pm	Third Rotation of Groups W thru Z <i>(stations noted on above)</i>	See Site Map & Rotation Schedule	Noted above
4:50 pm	Complete Student Critiques & Adjourn	Auditorium	



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SCHEDULE

Tuesday, April 30

TIME	ACTIVITY	LOCATION	LEAD PRESENTER / INSTRUCTOR
6:30 am	BREAKFAST	Cafeteria	
7:15 am	Review Student Feedback / Daily Quiz / Daily Agenda Review	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
7:25 am	Tank Car Damage Assessment	Auditorium	Curtis Myson (RAC)
8:00 am	Breached Chlorine Tank Cars: Leak Mitigation & Vapor Neutralization	Auditorium	Jason Holden (SRS)
8:25 am	Breached Chlorine Tank Cars: Transfer Methods	Auditorium	Tracy Clark (UPS)
8:55 am	Water & Wastewater Treatment Plant Operations	Auditorium	Mike Croke (JCI Jones Chemical)
9:15 am	Fourth Rotation of Groups W thru Z <i>(stations noted on Monday schedule)</i>	See Site Map & Rotation Schedule	Noted on Monday schedule
11:15 am	LUNCH <i>(Leave cafeteria by 12:00pm and return to Auditorium by 12:15pm.)</i>	Cafeteria	
12:15 pm	CHLOREP Case Study: Ton Container Field Transfer Involving Specialty Valves	Auditorium	Jason Holden (SRS)
12:40 pm	Incident Management & Interfacing within the Incident Command System	Auditorium	Drew McCarty (SPSI) & Dyron Hamlin (GHD)
1:15 pm	BREAK	Auditorium	
1:35 pm	Chlorine Rail Incident Case Studies: ➤ Macdona, TX Derailment (2004) ➤ Graniteville, SC Derailment (2005)	Auditorium	Chip Day (SRS) Dyron Hamlin (GHD)
2:20 pm	Overview of Scenario-Based Field Exercises 1 thru 7	Auditorium	Jason Holden (SRS)
2:30 pm	First Rotation of Groups 1 thru 7	See Site Map & Rotation Schedule	
	➤ Chlorine Tank Car Transfer Methods		Tracy Clark (UPS)
	➤ Chlorine Tank Car Unloading Rack Leak		Brian Cleary (Kuehne Chemical)
	➤ Chlorine Tank Car Derailment Incident Management		Austin Gibbs (SRS)
	➤ Chlorine Vapor Scrubbing		Chip Day (SRS)
	➤ Cargo Tank Leak Mitigation Techniques		Drew McCarty (SPSI)
	➤ Water Treatment Plant Chlorine Leak		Mike Croke (JCI Jones Chemical)
	➤ Highway Mixed Hazmat Load Incident		Duane Carpenter (Westlake) & Jeff Dean (Chemtrade)
5:00 pm	Complete Student Critiques & Adjoin	Auditorium	



**CHLOREP Team Training
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SCHEDULE

Wednesday, May 1

TIME	ACTIVITY	LOCATION	LEAD PRESENTER / INSTRUCTOR
6:30 am	BREAKFAST	Cafeteria	
7:15 am	Review Student Feedback / Daily Quiz / Daily Agenda Review	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
7:25 am	Caustic (NaOH and KOH) 101	Auditorium	Matt Haefer (Westlake) & Dr. Chris Kuhlman (CTEH)
7:50 am	Sodium Hypochlorite (Bleach) 101	Auditorium	Chris Isaacs (Brenntag) & Dr. Chris Kuhlman (CTEH)
8:15 am	Hydrochloric Acid (HCl) 101	Auditorium	Dan Thompson (Midland) & Dr. Chris Kuhlman (CTEH)
8:40 am	Second Rotation of Groups 1 thru 7 <i>(stations noted on Tuesday schedule)</i>	See Site Map & Rotation Schedule	Noted on Tuesday schedule
11:10 am	LUNCH <i>(Leave cafeteria by 12:00pm and return to Auditorium by 12:15pm to be released to next rotation.)</i>	Cafeteria	
12:15 pm	Third Rotation of Groups 1 thru 7 <i>(stations noted on Tuesday schedule)</i>	See Site Map & Rotation Schedule	Noted on Tuesday schedule
2:45 pm	Fourth Rotation of Groups 1 thru 7 <i>(stations noted on Tuesday schedule)</i>	See Site Map & Rotation Schedule	Noted on Tuesday schedule
5:15 pm	Complete Student Critiques & Adjourn	Auditorium	



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SCHEDULE

Thursday, May 2

TIME	ACTIVITY	LOCATION	LEAD PRESENTER / INSTRUCTOR
6:30 am	BREAKFAST	Cafeteria	
7:15 am	Daily Agenda Review	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
7:20 am	Anhydrous Hydrogen Chloride (AHCl) 101	Auditorium	Brian Dailey (Chemours) & Dr. Chris Kuhlman (CTEH)
7:40 am	Vinyl Chloride (VCM) 101	Auditorium	Ashley Poyner (Westlake) & Dr. Chris Kuhlman (CTEH)
8:00 am	CHLOREP Case Study: Festus, MO Unloading Release (2002)	Auditorium	Dan Thompson (Midland)
8:20 am	CHLOREP Case Study: Response to Orphaned Chlorine Containers	Auditorium	Mike Croke (JCI Jones Chemical)
8:45 am	Fifth Rotation of Groups 1 thru 7 <i>(stations noted on Tuesday schedule)</i>	See Site Map & Rotation Schedule	Noted on Tuesday schedule
11:15 am	LUNCH <i>(Leave cafeteria by 12:00pm and return to Auditorium by 12:15pm.)</i>	Cafeteria	
12:15 pm	Review Student Feedback / Daily Quiz	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
12:25 pm	Sixth Rotation of Groups 1 thru 7 <i>(stations noted on Tuesday schedule)</i>	See Site Map & Rotation Schedule	Noted on Tuesday schedule
2:55 pm	Seventh Rotation of Groups 1 thru 7 <i>(stations noted on Tuesday schedule)</i>	See Site Map & Rotation Schedule	Noted on Tuesday schedule
5:25 pm	Complete Student Critiques & Adjourn	Auditorium	



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SCHEDULE

Friday, May 3			
TIME	ACTIVITY	LOCATION	LEAD PRESENTER / INSTRUCTOR
	NO BREAKFAST		
7:00 am	Review Student Feedback & Recap Training Week	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
7:10 am	Review for Exam / Q&A	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
7:30 am	Final Exam	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
8:00 am	HCI Incident Case Studies: HCI Bulk Transport Incidents	Auditorium	Drew McCarty (SPSI) & Dan Thompson (Midland)
8:30 am	CHLOREP Case Study: Cross-Sector Wastewater Treatment Plant Response	Auditorium	Matt Bond (Westlake)
8:45 am	CHLOREP Case Study: Overseas Ton Container Incident	Auditorium	Terry Rockwell (SRS)
9:15 am	Review Exam Results	Auditorium	Justin Cox (OxyChem) Jason Holden (SRS)
9:30 am	Complete Student Critiques & Hand Out Training Certificates	Auditorium	Various
10:00 am	Adjourn	Auditorium	
TRAINING CONCLUDES! THANK YOU FOR COMING!			