

State of Wisconsin - Department of Natural Resources  
 Substance Release Notification Report (SERTS)  
 Report created on 08/30/2010

SPILL ID# 20100824NE38-1 BRRTS# 04-38-555884

04-38-555-884

Incident Date & Time: 08/24/2010 08:45	Reported Date & Time: 08/24/2010 09:36	BRRTS No: 04-38-555884	Spill ID: 20100824NE38-1
DATCP Reported? No DATCP Transferred? No	NFA Letter Sent? No	ERP Transferred? No	Incident Closed? Yes : 08/30/2010

Location			
Region: NE	County: Marinette	Municipality: MARINETTE, CITY OF	
Facility/Property Name and Street Address: CHEM DESIGN PRODUCTS 2 STANTON ST		Description: PLANT - VESSEL # 3855	
Facility Type: Chemical Company (Production/Processing/Storage/Repackaging)			
Lat/Long:	PLSS:	WTM: 707673 516582 <i>add to SDE-MGS-5/17/2011</i>	
Weather Conditions:			

Responsible Parties			
Name/Address (1): CHEM DESIGN PRODUCTS 2 STANTON ST MARINETTE, WI 54143-	Contact: DAVID MIELKE CEO (715) 735-8267 x primary	Other Contact: TIM SWAVELY ENVIRONMENTAL DIR (715) 735-8263 x primary	Spill Packet:

**Cause**

WHILE ATTEMPTING TO TAKE A SAMPLE FROM THE BOTTOM OF VESSEL 3855, THE OPERATOR OPENED THE WRONG VAVLE, WHICH ALLOWED SOME OF THE CONTENTS OF THE VESSEL TO VENT TO THE ATMOSPHERE.

Cause Type: Equipment Failure

Substances						
Name	Other / Comments	Amt Released	Amt Recovered	Type	Color	Odor
VOC	XYLENE	55.0 lb	0.0	GAS		

Environmental Impacts / Damages			
Environmental Impacts: AIR	Resource Damages: No	Injuries: No	Evacuation: No

Cleanup Actions	
Method	Description
Evaporated	EXHAUSTED THROUGH AIR SCRUBBER

**Cleanup Action Comments**

THE XYLENE WAS VAPORIZED AND EXHAUSTED THROUGH THE AIR SCRUBBER TO THE ATMOSPHERE.

Contractors Hired	
Name	Description

Waste Destinations	
Location	Description

Agencies Notified / On Scene		
Agency	Notified	On Scene
DHFS	X	
DIV EMERG MGT	X	

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DNR	X			
'NATL RESP CTR	X			
<b>Additional Comments</b>				
THE TANK HOLDS APPROXIMATELY 8000 LBS OF WATER, XYLENE AND OTHER PRODUCTS BUT STILL GETS VENTED THROUGH THE SCRUBBER. THEY BELIEVE IT WAS 800 LBS OF WATER AND XYLENE RELEASED. DR. TIM FROM CHEM DESIGN PRODUCTS WILL CALL WHEN THEY HAVE A DEFINITE AMOUNT OF PRODUCT RELEASED. SUBMITTED VIA SERTS WEB FORM REF # 5323. 08-30-2010, DNR RECEIVED DOCUMENTATION FROM TIM SWAVELY THAT THE ACTUAL RELEASE WAS ONLY 55 LBS OF XYLENE, WELL BELOW THE REPORTABLE QUANTITY OF 100 LBS.				
<b>Enforcement Action/Citation</b>				
Enforcement Action/Citation? No				
Case Activity Reports:				
<b>Person Reporting</b>				
Name	Representing / Address	Primary Phone		
DAVID MIELKE	CHEM DESIGN PRODUCTS	(715) 735-8267 x		
<b>Contractors Hired</b>				
Name / Address	Zone Contractor Hired by DNR?			
	No			
<b>Contacts</b>				
Role	Name	Office Phone	Date	Time
Prepared By:	Jennifer McDonough	(608) 267-0844 x	08/24/2010	
Person Notified:	JASON MOELLER	(920) 662-5492 x	08/24/2010	
Investigated By:	JASON MOELLER	(920) 662-5492 x	08/24/2010	
Incident Commander:				
Spill Coordinator:	JASON MOELLER, NE Region <i>Jason Moeller</i>	(920) 662-5492 x	08/30/2010	
<b>Electronic Attachments (list)</b>				
Name				Type

**Moeller, Jason W - DNR**

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**From:** Timothy Swavely [Timothy.Swavely@chemdesignproducts.com]  
**Sent:** Monday, August 30, 2010 3:11 PM  
**To:** Moeller, Jason W - DNR; Marinette County - DMA  
**Cc:** Dave Mielke; Bob Romuald; Joel Salzman; Rae Johnson; Randy Christl; Brian Bourgeois  
**Subject:** 8/24/2010 Incident

Jason Mueller  
Wisconsin Dept. of Natural Resources  
2984 Shawano Avenue  
Green Bay WI 54313-6727

Re. August 24, 2010, Xylene Release

Jason

Let me take a minute to thank you again for your help and guidance during our conversations dealing with the August 24, 2010 incident. As you will recall on 8/24/2010 at approx. 0830 hours, while an operator was attempting to take a sample from the bottom of vessel 3855, he inadvertently opened an exhaust valve, allowing the contents of the vessel which was at 80 psig and 280 °F to vent to the atmosphere. Not knowing the extent of the incident, the release was reported to yourself on 8/24/2010 at approx. 0935, the National Response Center at 0949 and the Marinette County LEPC at 0938.

The root cause of the incident indicates operator error through modification of a control device. The charge valve was recently updated to prevent accidentally opening the valve while the vessel is pressurized. This system was modified by an operator to bi-pass the interlock and create an unsafe situation. CDPI will modify its protocols to better communicate and train on management of change (MOC) installations and evaluate additional security features to prevent tampering.

The findings of further investigation indicate the actual amount of xylene determined to be released was 55 lbs. The mass balance performed on this step of the process indicates a reaction loss of 250 lbs of water which vaporized upon release and 55 lbs. of xylene. As you are aware the RQ for mixed xylene (CAS # 1330-20-7) is 100 lbs. which triggered our initial concern at the time of the release, prompting ChemDesign Products to report the spill as an RQ incident until further investigation could provide additional details.

If you have any additional questions please do not hesitate to contact me for further details.

Thanks

Dr. Timothy Swavely  
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