

NYSDEC SPILL REPORT FORM

DEC REGION: 8 SPILL NUMBER: 2306430
 SPILL NAME: ARXADA FACILITY FIRE/EXPLOSION DEC LEAD: MJBARBER

CALLER NAME: DISPATCHER 7914 NOTIFIER'S NAME: DISPATCHER 7914
 CLR'S AGENCY: MONROE 911 NOTIFIER'S AGENCY: MONROE 911
 CALLER'S PHONE: (585) 528-2222 NOTIFIER'S PHONE: (585) 528-2222

SPILL DATE: 10/29/2023 SPILL TIME: 1:08 am DISPATCHER: JWRAUP
 CALL RECEIVED DATE: 10/29/2023 RECEIVED TIME: 2:09 am

SPILL LOCATION

PLACE: ARXADA FACILITY FIRE/EXPLOSION COUNTY: Monroe
 STREET: 100 MCKEE ROAD TOWN/CITY: Rochester (c)
 COMMUNITY: ROCHESTER
 CONTACT: DEPUTY CHIEF JEFF PRINCE CONTACT PHONE: (585) 509-4623

CONT. FACTOR: Equipment Failure SPILL REPORTED BY: Other
 FACILITY TYPE: Commercial/Industrial WATERBODY: _____

CALLER REMARKS:

Unkown release - structure fire at commercial building
 3rd material given as 2pcl, possibly pcl2
 Active fire

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
sodium hydroxide	Hazardous Material			
hydrogen peroxide	Hazardous Material			
chloropyridine	Other			

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ARXADA	100 MCKEE RD ROCHESTER NY 14611	MATT DILLON (PLANT MAN) (385) 469-7566

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
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DEC REMARKS:

10/29/2023: MB TELECON WITH CHIEF JEFF PRINCE AT 0230 HOURS. CHIEF PRINCE REPORTS THAT ARXADA CHEMICAL PLANT HAD AN EXPLOSION/FIRE AT THE MIXING PORTION OF THEIR FACILITY. POTENTIAL CHEMICALS THAT COULD BE INVOLVED IN THE EXPLOSION AREA ARE SODIUM HYDROXIDE, HYDROGEN PEROXIDE AND 2-CHLOROPYRIDINE. AT THIS TIME THERE IS NO ACTIVE FIRE OR VISUAL EVIDENCE OF A PLUME OF CHEMICALS WITNESSED. THEY DO HAVE A STEAM LEAK AND INFLUX OF COOLING WATER LEAKING. CITY IS ARRANGING RESOURCES TO MAKE A LEVEL 1 HAZMAT ENTRY. CITY IS REQUESTING DEC RESPONSE. THERE HAVE BEEN NO INJURIES SINCE FACILITY WAS NOT IN OPERATION. UNKNOWN SOURCE OF EXPLOSION/FIRE AT THIS TIME. POTENTIAL SIR COMPLETED BY MG.

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MB ONSITE AT 0400 HOURS AND MEETS WITH CHIEF PRINCE AND JAMIE RENNER OF HAZMAT AS WELL AS PLANT MANAGER MATT DILLON. BELIEF IS THAT EXPLOSION CAME FROM A HEAT EXCHANGER MALFUNCTION. FACILITY RECENTLY WENT FROM A 7 DAY OPERATION TO A 5 DAY, 24 HOUR OPERATION AND THE THOUGHT IS THERE MAY HAVE BEEN ISOLATION ISSUE ON FRIDAY AFTERNOON WHEN FACILITY WAS BEING SHUT DOWN FOR THE WEEKEND. THEY ARE NOT WITNESSING ANY RELEASE OF CHEMICALS AND FACILITY PERSONNEL IS CURRENTLY WORKING TO ISOLATE THE EXPLOSION AREA. THEY DO HAVE INFLUX OF COOLING WATER LEAKING FROM THE SYSTEM AT THIS TIME. FACILITY HAS SHUT WATER OFF ON THEIR END BUT STILL HAVE ABOUT 20 PSI COMING IN SO CITY WATER HAS BEEN CALLED IN TO SHUT OFF MAIN AT THE ROAD. ALL STORM DRAINS/TRENCHES LEAD TO AN ONSITE WATER TREATMENT PLANT BEFORE BEING DISCHARGED TO SANITARY AND GOING TO THE FRANK E VAN LARE WWTP. MB REQUESTS THAT WATER BE RETAINED FROM DISCHARGED UNTIL THEY CAN RUN ANALYTICAL ON IT TO MAKE SURE THERE WAS NO RELEASE OR THERE ARE ANY CHEMICALS OF CONCERN. DILLON AGREES THAT THIS CAN BE COMPLETED. RECONCILIATION OF CHEMICAL TANK INVENTORIES SHOW THAT NO PRODUCT HAS BEEN LOST OR FLUCTUATIONS WITH THE INVENTORY. RUNOFF WATER SHOWS NO VISIBLE OR OLFACTORY IMPACTS AT THIS TIME AND NOTHING HAS LEFT THE SITE BASED ON FLOW PATH.

AT APPROX 0545 THE FACILITY UPDATES ROC FD/HAZMAT THAT THEY HAVE BEEN ABLE TO SUCCESSFULLY ISOLATE ALL PIPING BOTH ELECTRONICALLY AND MECHANICALLY. THERE IS STILL SOME COOLING WATER RUNNING THROUGH SYSTEM AND FACILITY IS WAITING FOR ROCHESTER WATER BUREAU TO BE ONSITE TO COMPLETELY CUT IT OFF. EVEN WITH WATER OFF THEY WILL STILL HAVE USE OF FIRE SUPPRESSION SYSTEM ONSITE. PLANT MANAGER MATT DILLON WILL UPDATE MB PRIOR TO DISCHARGE OF WATER COLLECTED ONSITE AFTER THEY RUN ANALYTICAL TO CONFIRM THEY ARE MEETING THEIR PERMITTING REQUIREMENTS. MB SUGGESTS THEY ALSO UPDATE VAN LARE PRIOR TO DISCHARGE TO MAKE THEM AWARE OF SITUATION. FD/HAZMAT DEMOBILIZE AND RELINQUISH SCENE BACK TO FACILITY. MB PROVIDES SWAPS CONTACT INFORMATION WITH MATT DILLON WHO WILL UPDATE MB THIS MORNING ON WATER ANALYTICAL. MB OFFSITE AT 0610 HOURS.

UPDATE FROM MATT DILLON AT APPROX 0905 HOURS. HE STATES THAT FACILITY RAN IN HOUSE ANALYTICAL ON THE COLLECTED SITE WATER FROM THE EXPLOSION AND IT CURRENTLY MEETS ALL THEIR PERMITTING REQUIREMENTS. DUE TO INFLUX OF THE COOLING WATER AND RAIN THEY WILL BE DISCHARGING WATER TO SANITARY AND SENDING TO VAN LARE.

UPDATES ON SITUATION MADE TO TARA BLUM OF WATER DIVISION AT 1500 HOURS. UPDATES MADE TO HAZ WASTE REMEDIATION ON SITUATION AT 2000 HOURS.

10/30/2023: MB TELECON WITH MATT DILLON. MB REQUESTS COPY OF ANALYTICAL DATA ACQUIRED FROM THE COLLECTED WATER. DILLON TO SEND COPY VIA EMAIL TODAY.

UPDATE FROM MICHELLE VINCENT OF WATER DIVISION. VINCENT REACHED OUT TO VAN LARE AND RECEIVED FOLLOWING EMAIL:

Good Morning Michelle,
Based on discussions with Arch, everything was contained and there was no impact to the sewers. They tested all of the water generated (sprinklers, cooling water, and process water) which was contained. They tested this for their permit parameters and everything was within their action levels. . This was discharged through the pretreatment plant. NYS DEC and the HazMat team were on site. The explosion took place where they make the Plant Stream, which uses 2-chloropyridine. Because of this all related manufacturing is down while they assess the damage. Other operations (groundwater treatment, proxel, fermentation, etc.) will be operating.

Sean

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Sean P. Keenan
Pretreatment Coordinator
Monroe County Department of Environmental Services
Environmental Quality Office
145 Paul Road, Bldg. 1
Rochester, NY 14624
Phone:(585)753-7658

PIN

T & A

COST CENTER

CLASS: B3

CLOSE DATE:

MEETS STANDARDS: False