REPORT OF UNIT CITATION

02/06/2017

Date

Unit: Haz Mat Co. 1

Battalion:

HM

SO Division:

1. Box 0078

Borough Brooklyn

Date 01/28/2017

Time

21:45

Time of Act: 22:00-01:00

Date:

01/28/2017

2. MEMBERS RESPONDING:

Rank	Name	Unit	Assigned Unit		
Lt.	John Berna	HM-1	HM-1		
FF	Christopher Sanacore		HM-1		
FF	Sean Flatley	HM-1	E-58		
FF	Daniel Moltisanti	HM-1	HM-1		
FF	Thomas Margaria	HM-1	HM-1		
FF Michael Sarro/Donald Camp		HM-1	HM-1/Sq. 288		
FF	Michael Lazzari	HM-1	HM-1		

ARE ANY OF THESE MEMBERS BEING RECOMMENDED INDIVIDUALLY FOR MERITORIOUS ACT IN 3. CONNECTION WITH THIS FIRE? No.

Rank Name	Unit	Assigned Unit

- LOCATION OF UNIT OPERATIONS: 4.
 - a) If in building: Address:

Height

Area

Construction

Occupancy

Number of apartments in building

Floor(s)

Room

b) If not in building: Give complete descriptive information so that physical setting can be recreated.

Kinder Morgan's bulk oil storage facility is on 10 acres in Brooklyn bordering the Newton Creek and Kingsland Ave. The facility contains 5 buildings and has multiple large tanks storing gasoline, diesel and ethanol. Tank piping leads to a 45'x45' pit that holds all the valves that shut off service line between the tanks and the loading rack. The buckeye pipeline also runs through the facility.

5. PERSON(S) AIDED:

1 2 100 1 (0) 7 11 2 2 5 .	
NAME	
ADDRESS	
AGE – SEX	
RESCUE BREATHING	
EXTERNAL CARDIAC MASSAGE	
RESUSCITATOR APPLIED	
HOSPITALIZED	
NAME OF HOSPITAL	
DIAGNOSIS	
LENGTH OF HOSPITALIZATION	

REPORT OF UNIT CITATION

6. DESCRIPTION OF UNIT OPERATION:

At 21:45 hours on January 28, 2017, Box 0078 was transmitted for an initial report of a 200 gallon leak of gasoline at 125 Apollo Rd. Brooklyn. Ticket information reveled it was a bulk oil storage facility on a 10 acre site. While responding, HM-1 officer asked Brooklyn dispatch for additional information. The dispatcher informed responding units of a possible leak involving a truck loading rack and that the facility was fed by the Buckeye Pipeline.

Upon arrival, HM-1 positioned the rigs outside the plant and responded in by foot to the location of the 45 Battalion (BC Maloney). Along with the battalion stood Kinder Morgan employee John Demirjan, (the only employee on site at the time of the incident). He immediately recognized HM-1's (Officer) Lt. John Berna and FF Mike Lazzari (Resource), due to an unofficial site visit he conducted with members of HM-1

eight months prior.

Through questioning, Lt. Berna, FF Chris Sanacore, (Entry 1) and FF Sean Flatley (Entry 2) received additional information from Mr. Demirjan, that included; The leak had nothing to do with the Buckeye Pipeline. The leak was discovered upon a normal routine inspection by Mr. Demirjan who smelled the heavy odor of gasoline. Tank #4 that was feeding the leak, had a capacity of 307,000 gallons and had been shut off at the tank, but was still leaking from the pump. Kinder Morgan's management had been notified as was Atlantic Response, the contracted clean-up company. Electric had been shut off to the pit and to adjacent areas. The site contained 1200 gallons of AAAF Universal Gold foam concentrate that could be used to supplement FDNY's foam operation if necessary. Mr. Demirjan could not get to the valve in the pit to shut it off due to the large amount of flammable fuel in the pit, an active leak (approximately 10 gallons per minute) and a lack of protective clothing.

It was decided that HM-1 entry team would look at the leak to gain a better perspective of what could be done to mitigate the incident. Lt. Berna immediately made a request to move all apparatus to the west side of the pit, upwind from the leak. Due to being overwhelmed with his required duties Mr. Demirjan gave Lt. Berna a Kinder Morgan radio and advised him if his services were needed, to call him via the radio.

Haz Mat's entry team entered the leak area above the pit on a cat walk. It was determined that the leak was in excess of 4,000 gallons. Metering reveled VOC readings of 15-25 ppm. Due to strong winds, cold temperatures and metering 5 feet above the spill, no recorded readings of flammability were documented, however, downwind readings at grade level were recorded between 1-4% of the LEL. Via the Kinder Morgan radio, Lt. Berna questioned the certainty of the leak being gasoline due to the red color of the fuel. The team was informed that located in the pit was a 800 gallon tank of red dye used to color diesel prior to sending it to the loading rack and that sometimes it may leak a drop or two dying the fuel. The leak was confirmed to be highly flammable gasoline. In consultation with BC Maloney it was determined that a 10-86 be transmitted.

7. RECOMMENDATION:

			4		
Deputy Chief	Division		=	Date	

The information gathered from HM-1's entry and the development of a proposed plan was relayed to DC Schaaf and Haz Mat BC Rice upon their arrival. After consultation with the Chiefs on scene it was determined that foam would be applied to the pit area using the least amount, due to the possibility of overflowing the pit. This would suppress vapors and allow the shutting down of valves that would prevent an additional 1600 gallons of fuel from entering the pit via the supply line. A vacuum truck located on site would remove the fuel once the leak was stopped.

Concurrent with the actions of HM-1's entry team, FF Michael Sarro (Decon 1) and detailed FF Donald Campbell (Decon 2) (Squad 288) set up an area to don and doff the Crash Fire Rescue gear that would be needed to make an entry. They also proactively set up a dry decon area and a boot and tool wash. During the entry they were assigned to meter the area around the pit at grade level (east side of pit). FF Daniel Moltisanti (Back-up 1) and FF Thomas Margaria (Back-up 2) turned their attention to gathering information on Kinder Morgan's foam capabilities and its fixed delivery system. They familiarized themselves with Kinder Morgan's foam delivery system should it be necessary to supplement FDNY's operation. They made sure they could fully operate and deliver Kinder Morgan's foam supply if needed. They were also assigned to meter the surrounding area around the pit (north and west side). Calculations were made by FF Lazzari to determine as accurately as possible the amount of leaking gasoline. Foam was applied by E-260 covering the pit. Wearing crash fire rescue gear, entry was made by Lt. Berna, FF Sanacore and FF Flatley under the protection of a manned foam hand line, with Squad 288 acting as the back-up team. They climbed down a fixed ladder and entered the pit. Careful not to unnecessarily disturb the foam blanket, two hand wheels were shut and the leak slowly stopped. The area of the leak was inspected to ensure a second leak was not under the foam blanket or gasoline. The area of operations in the pit was constantly monitored for LEL readings. HM-1 entry team exited the pit, was deconned and then donned their bunker gear to continue operations. Haz Mat stayed on scene to assist Atlantic Response vacuum up the gasoline until the truck was full (3,000 gallons). A second truck had been called earlier in the operation but had no ETA. Tech Engine 250 was called in to continue monitoring the scene. It was learned the next day that over 6,000 gallons of product had been removed from the pit.

The members of Hazardous Materials Company 1 who operated at the box for close to five hours, displayed teamwork and exhibited advanced knowledge and technical skills under difficult and dangerous conditions. Due to training, proactive pre-planning and the unique equipment carried only by HM-1, it was the only FDNY unit that could have mitigated the incident. The diligence, persistence and attention to details brought this incident to a successful conclusion and it is for this reason I respectfully request that HM-1 be considered for a Unit Citation.

Respectfully Submitted,

Lt. John C. Berna Hazardous Materials Co. 1

SSIGN SPECIFIC UNITS 238 E259P L106 T146 BC45 HM01 E206 4 HB01 * .. ESPOND TO BROOKLYN * 0X 0078 - 125 APOLLO ST EWTOWN CRK NORMAN AVE =EMERGENCY 00 GALLONS OF GAS IN SUMP PIT IDS: G-BULK OIL STORAGE-5 BUILDINGS-10 ACRES 1 ABOVE GROUND STORAGE TANKS YSTEM FED BY BUCKEYE PIPELINE ASOLINE TANKER TRUCK LOADING RACKS 4 NCIDENT# 0855 JID: 17028-0078-01-4-0855 ******* 01/28/17 21:45:28 ********

'SIGN SPECIFIC UNITS 38 E259P L106 T146 BC45 HM01 E206 288H HB01 RESPOND TO BROOKLYN *)X 0078 - 125 APOLLO ST WTOWN CRK NORMAN AVE EMERGENCY 0 GALLONS OF GAS IN SUMP PIT DS: -BULK OIL STORAGE-5 BUILDINGS-10 ACRES ABOVE GROUND STORAGE TANKS STEM FED BY BUCKEYE PIPELINE SOLINE TANKER TRUCK LOADING RACKS CIDENT# 0855 FID: 17028-0078-01-4-0855 ******* 01/28/17 21 46:12 *******

Fire Department New York CD-15H Company Operations Report

Incident	
	4-0855-0
Incident #	
BFI Case #	30094
Incident Date/Time	01/28/2017 21:42:05
Box#	0078
Address	125 APOLLO ST Brooklyn
Report By	908017 - BERNA JOHN C. Lieutenant
Report Date	01/29/2017
Status	Closed
Unit Responsible for CD-15H	HM01
Requested By Officer	910366 - RICE TIMOTHY W. Battalion Chief
Release From Outside Structure	Yes
Haz Mat Action Taken1	12 - HazMat detection, monitoring, sampling, & analysis
Haz Mat Action Taken2	14 - HazMat leak control and containment
Haz Mat Action Taken3	32 - Notify other agencies
Cause Of Release	2 - Unintentional release
Factors Contributing Release1	54 - Other part failure, leak, or break
Factors Affecting Mitigation1	NN - None
Haz Mat Disposition	7 - Released to private agency
Narrative	Prior to arrival HM-1 was informed of a gasoline leak at 125 Apollo St. Brooklyn NY. While responding, HM-1 officer inquired if the location was the Kinder Morgan Fuel Storage facility. Dispatch had no information on the name of the facility. However, additional information included a 200 gallon spill of gasoline involving a loading rack. Upon arrival HM-1 parked outside the facility and walked into the plant. HM-1 entry team met up with the 46 Battalion and the Facility operator John Demirjan. (note Mr. Demirjan had conducted a walk thru of the facility about 18 months ago with members of HM-1 including the officer and resource FF.) HM-1 was informed that while making his regular scheduled rounds he noticed a smell of gasoline. He found that a pump in a containment pit was leaking gasoline and that the containment pit was filling up with gasoline. He immediately made his required notifications including that of the Fire Department and shut the tank valve feeding the pipe that ran to the pit. HM-1 made the recommendation to move units to the other side of the pit due to strong winds. It was agreed to call a foam unit and begin placing foam on the pit. HM-1 back up inquired about Kinder Morgans foam capabilities an began setting up for an entry into the pit to shut down additional valves.

It was decided that due to the volume of liquid in the pit and the continued leak (about 15 gallons a minute) and the addition for an additional 1600 gallons leaking into the pit from the trunk line an entry

would be made by HM-1 entry to shut down 2 additional valves to stop the leaking gasoline. HM-1 stayed on scene to continue metering and assisit Atlantic Response Clean-up Co. with a vacuum operation. HM-1 was relieved by E-250 once the 3,000 gallon vacuum truck was full and awaiting a second vacuum truck to arrive.

Items & Equipmer	lt	
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Item Used	Quantity Used	Narrative			
BagsPlastic Clear 30" x 60" x 6 Mil. Bag	4				
crash fire rescue gear	3				
Foam AFFF Universal Gold	0				

Detection & Devices

Detecton Device	Detection Reading	Narrauve
Draeger XAM-7000 Multi Gas Detector		
Identification	Art (1)	
Chemical Name	Grasex	
UN Number	2075	
CAS registration number	75-87-6	
Estimated Amount released	50	
Release Units	12 - Gallons	

Persons Involved

Name	Kinder Morgan
Business Name	Kinder MOrgan
Involvement	Person/Business responsible for HazMat Cost Recovery

Fire D	epar	tm	nent City o	f N	lew \	ork	(
CD-15H F	łazardou	ıs N	Naterials Operation	on R	Report					0	
To Battalio	To Battalion: BC45						From: Hazardous Materials Co. 1				
Alarm Inf	formatio	n:						72 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		-	
Location: 1		Incident A	ssigned	1/28/1	7	21:44					
Type of Incid		Arrived		1/28/1	7	21:53					
QN O BK O BX O MNO SIO					Available		1/28/1	7	-		
Simultaneo		Operation	Time								
Box: Incident: Boro:					Incident:		Box:		Time:		
Product	Informat	tior	1:								
		Proc			Amo	unt		Information	gathere	d from	
		Gas			@5,000) GAL					
			3								
Compan	•	tior	is:					12			
Level of Protection:				1	Communications Method: Line of Sight ✓ HT ✓						
Team #1			Firefighting PPE		Hand Signals In Suit Comms					7	
Team #2			Firefighting PPE Firefighting PPE		Other:						
Team #3	. Lucka www.				Other.						
Member		_			T				21112		
Officer	Officer	- O	BERNA SANACORE		Team #2	A Back	up 1	FF MOLTIS	ANTI		
Team #1A Team #1B	Entry 1 Entry 2	-	FLATLEY		Team #2		up 2	FF MARGA			
Team #3A	Decon 1	-	SARRO		Resource			FF LAZZAR			
Team #3B	Decon 2	-	CAMPBELL SQ288	7. EE	Extra						
		1:			5598						
Spill Information: DEP Reference Number: 186,287,776					Operator Name: Time: 23:						
DEC Spill Number: 1,609,920					Operator	Name: [eBend	etto	Tim	e: 23:30	
	eadings										
Substance /			Meter Name	Initia Read		Final Re	eading	Location	S	ub-Location	
			A Company of the Comp								
				-			W 1			Activities of the Committee of the Commi	
				-			· ·				
13									- 100		

Sunday, April 03, 2016 Prepared By:

See Additional:

FF LAZZARI

Fire Department City of New York

CD-15H Hazardous Materials Operation Report

Agencies Involved:

Agency	Unit	Rank	Last Nam	e	ID#	On Scene	
FDNY	BC45	CHF		MALONEY		1	
FDNY	HMB	CHF		RICE		✓	
NYPD	PRC94	PO		MURPHY		✓	
FDNY	EMS	LT		ROSENTHAL		✓	
	, (U						
See Additional:	1			AVA			
	 e Party(ies):						
Structure:	e i di cy(ies).						
Building Type:	OUT OF THE OWNER OW	Event	location:	Insid	e 🔲 Outsid	le 🗌	
Name:				Phone:			
Address:			11000		***************************************		
Company Involv	ved:				26 \$1.00		
Company:					*		
				Contact Name: JOHN D	EMIRJAN		
				Contact Phone #: (646) 3	27-6191		
Relationship to	Incident: ONSIT	E TECHNICI	AN	1			
Responsible P	arty						
Name: SEE A				Contact Phone #:	See	3.5	
Address:	96		1000000	- de nove - c	XXX XXXIII		
Relationship to	o Incident:						
Vehicle #1:	16.					-	
Company / Nan	ne:			Phone:	V-7/1		
Address:				**************************************			
Contact Name:				Contact Phone			
License Numbe	r: Lic	ense State N	NY	VIN #:			
License Plate #:				License Plate St	License Plate State: NY		
Trailer Plate #:				License Plate St	tate: NY		
Vehicle #2:					Harris Ha		
Company / Nan	ne:			Phone:			
Address:					403.500		
Contact Name:				Contact Phone:			
License Numbe	r: Lic	ense State	NY	VIN #:			
License Plate #:				License Plate St	tate: NY		
Trailer Plate #:				License Plate St			
Tow / Recovery	/ Company:						
Company / Nam		Vig. 127	WOOD OF STREET	Phone:	APPROXIMATE TO A STATE OF THE S		

Company / Name:		Phone:
Address:		
Contact Name:		Contact Phone:
DOT Number:	State of Operation:	

1/29/2017

Prepared By:

FF LAZZARI

Fire Department City of New York

CD-15H Hazardous Materials Operation Report

Items and Equipment Used:

Personal Protective Equipment	Qty	Collection Items	Qty
TrellChem VPS		Sample Jar	
Tychem 9400 Encapsulated		Colliwasa Tube	
Tychem 9400 Hooded		Thief Tube	
Tyvek F		1 Gallon Can	
Haz Mat Boots (Tingley)		5 Gallon bucket	
Booties (yellow)		16 Gallon Drum	
Tyvek Shoe Covers		55 Gallon Drum	
Butyl Gloves		85 Gallon Drum	
Neoprene Gloves		Drum Liner	
Solvex Gloves		Poly Drum (Small)	
Nitrile Gloves	6	Poly Drum (Large)	
Viton Gloves		Pipettes	
HEPA Filter			
Additional / Miscellaneous	Qty	Operations	Qty
APR, VOC Canister		Barricade Tape	
Catch Basin, 20 Gallon		Plug-N-Dyke	
Catch Basin, 60 Gallon		Absorbent Pad	
Catch Basin, 150 Gallon		Speedy-Dry	
75		HTP Bags	
		HTP Socks	
		Green Stuff	
		Squeegee	
Decontamination	Qty	pH Paper	
Bio-Solve	•	HF Paper Strips	
Bleach		(Spillifier) Chemical Classifier	
Detergent		(Spillifier) Waste Water Strip	
Brushes		Wax Tape	
Decon Pool		Gap Seal	
		Plumber's Putty	
Misc.		Duct Tape	
		Chemical Tape	
		Closed Cell Foam	
		Plugs and Cones	
4 Section 1		Mercury Spill Kit	
		Salvage Bags	3
		Salvage Plastic	
		F-500 Emulsifier	

Fire Department City of New York

CD-15H Hazardous Materials Operation Report Operational Narrative:

	West of the second seco
2155hrs, HM-1 arrives on scene, coordinates with on site technician John Demirjan, he adverse has a gasoline leak from pump #4's flanges into a SUMP PIT @ 600-700 gallons of fuel. power has been shut off to most of the area, a small area to the rear of the establishment has been shut off. A 10-86 has been transmitted and they are putting down a foam blanket. Attack Response has been notified and is responding to vacuum up the spill. Contact # 732-969-85245HRS E260 is supplied water to put down the foam blanket over the fuel in the sump pit 2307HRS, HM1 Officer and Entry team donned Crash Fire gear to make entry into sump pit down leaking pipe. 2318, HM1 Officer and Entry team have shut down valve in pit, no more is leaking into sump pit at this time. DEC dispatcher DiBendetto has be notified at 2330hrs, 1609920. DEP HAZMAT Reference # 186287776. 0014hrs, DEC on site. 0030hrs, vacuum site, starting to vacuum the gasoline out of sump pit. 0145hrs, BC45 called in E250 for relief 0217hrs, E250 on scene. 0235hrs, HM1 10-8.	Electrical as not antic 555. to shut gasoline DEC # truck on

Additional Information:	

Ladder Co. 5 Jan. 22, 2017 Box 0373, 1354 hours MTA West 4th St., Manhattan Lt. Michael P. Brennan, B-6

FF. Darren J. Lebow FF. Anthony L. Mauro

FF. James M. Lanigan

FF. Gerard L. Redmond

FF. Michelangelo Vesce

Haz Mat Co. 1 Jan. 28, 2017 Box 75-0078, 2200 hours 125 Apollo St., Brooklyn

Lt. John C. Berna

FF. Christopher P. Sanacore

FF. Sean Flatley, E-58

FF. Daniel R. Moltisanti

FF. Thomas M. Margaria

FF. Michael Sarro

FF. Donald Campbell, Sq-288

FF. Michael A. Lazzari

Engine Co. 76 Feb. 24, 2017 Box 44-1154, 1756 hours

511 Amsterdam Ave., Manhattan Lt. Andrew F. Magenheim, B-8

FF. Matthew O. Bernstein

FF. William G. Dorv

FF. Michael J. Greene

FF. Stephen J. Fitzgerald, L-22

Engine Co. 93 Feb. 26, 2017 Box 75-1753, 0314 hours 515 West 184 St., Manhattan Capt. Gregg J. Magi FF. Timothy F. Walton FF. Brauley De La Rosa FF. Steven G. Gordon

Engine Co. 44 Nov. 27, 2016 Box 66-1219, 0326 hours 324 East 93rd St., Manhattan

FF. Jorge A. Vasquez

Ladder Co. 61 Jan. 11, 2017 Box 75-4369, 0728 hours 140 Edgar Pl., Bronx

UNIT CITATIONS (continued)

Squad Co. 270 Jan. 25, 2017 Box 75-3144, 1025 hours MTA Queens Blvd. & 71 Ave., Qns Lt. Kevin C. Yoos FF. Richard Baudille FF. Scott A. Edwards FF. Darren J. Harsch FF. Juan A. LaGrandier II

Engine Co. 274 Feb. 11, 2017 Box 75-4480, 1324 hours 150-15 Barclay Ave., Queens Lt. Eugene P. O'Donnell, Haz Bat

FF. Jorge R. Albert FF. Anthony Egan

FF. Paul J. Marotta

FF. Patrick J. Amato FF. Peter R. Como

FF. Mark E. Stuparich Jr.

Ladder Co. 22 Feb. 24, 2017 Box 44-1154, 1756 hours 511 Amsterdam Ave., Manhattan Lt. Thomas J. Wutz Jr., B-11 FF. John F. Byrnes FF. Brian J. Fitzpatrick

FF. William A. Vieira FF. Kevin J. Swift FF. Michael M. Fadda

Engine Co. 321 Jan. 28, 2017 Box 22-3082, 0500 hours 1669 Coleman St., Brooklyn Lt. Kurt H. Bro FF. Edwin Garces FF. Louis R. Tricarick FF. Andre A. James, L-159 FF. Robert Glennerster Jr., L-153

Ladder Co. 59 Feb. 23, 2017 Box 75-2962, 2352 hours 1770 Andrews Ave., Bronx Capt. Edward P. Boles FF. Robert C. Johnson Jr. FF. Alfred J. Ronaldson FF. Stanley Aviles FF. Williams A. Rubin FF. Sal Falesto

Engine Co. 74 Feb. 24, 2017 Box 44-1154, 1756 hours 511 Amsterdam Ave., Manhattan Lt. Ryan C. Brito, B-9 FF. Gerard M. Morse FF. Adam M. Cohen FF. Colin R. Dupree FF. Omar A. Cherigo

Engine Co. 38 Jan. 11, 2017

Box 75-4369, 0728 hours

140 Edgar Pl., Bronx

HONORABLE MENTION

Engine Co. 231 Dec. 14, 2016 Box 77-1675, 0837 hours 260 Mother Gaston Blvd., Brooklyn

Ladder Co. 51 Feb. 23, 2017 Box 75-3636, 0321 hours 3485 Fenton Ave., Bronx

FILED

Ladder Co. 83 Feb. 9, 2017 Box 33-0769, 0705 hours 1028 Post Ave., Staten Island

Note: Any member or company wishing to appeal the Board of Merit's decision has 30 days from the publishing of this Department Order to submit an appeal to the Medals and Awards Desk.