4.0 The Goal of Identification

(Demonstrate the abili- Incident/Accident and to both the emergency and E	assess the haz	y the haz ards associ	zardous	material(s) th the materia	involved in an al involved during
Intent This objective processing the Response Agency's ab Incident/Accident and to emergency and post emergency and post emergency.	ility to ident assess the har	ify the ha	zardous	s material(s)	involved in an
Note: This objective for the associated hazards to demonstrates the tech incident/accident.	the public hea	alth and saf	ety. The	Emergency	Response Agency
	yes no	n/a	n/o	Time	
Was this Objective Met					
Evaluator Signature	-			D	ate
4.1.1 Did Emergency I	Dagmanga A com		S S S		2 5 12
to collect information on tank trailer, small packag	the type of cor	ntainer or pa	rate the ackage in	knowledge, sinvolved (e.g., time	kills & capability tankcar, drum,
to collect information on tank trailer, small packag	the type of corge, etc.)? n/a Response Ager	ntainer or pa n/o ——— ncy demonsi	ackage in trate the	time knowledge, s.	tankcar, drum,
to collect information on tank trailer, small packag yes no ———————————————————————————————————	the type of corge, etc.)? n/a Response Ager the extent of dana Response Ager	n/o n/o ncy demonstramage to the n/o ncy demonstration.	ackage in - trate the e contain	time knowledge, sher or package time knowledge, sher or knowledge, she	tankcar, drum, kills & capability ?
to collect information on tank trailer, small packag yes no 4.1.2 Did Emergency I to collect information on yes no 4.1.3 Did Emergency I	the type of corge, etc.)? n/a Response Ager the extent of dan/a Response Ager f material invol	n/o n/o ncy demonstramage to the n/o ncy demonstramage to the n/o ncy demonstramage to the n/o	ackage in - trate the e contain	time knowledge, s er or package time	tankcar, drum, kills & capability ?
to collect information on tank trailer, small package yes no ———————————————————————————————————	the type of corge, etc.)? n/a Response Ager the extent of dan/a Response Ager f material involun/a Response Ager hthe shipping	n/o ncy demonstrated to the n/o ncy demonstrated to the n/o ncy demonstrated? n/o ncy demonstrated? n/o ncy demonstrated to the n/o	trate the contain	time knowledge, sher or package	tankcar, drum, kills & capability ? kills & capability skills & capability
to collect information on tank trailer, small packagyes no 4.1.2 Did Emergency It to collect information on yes no 4.1.3 Did Emergency It to estimate the quantity or yes no 4.1.4 Did Emergency to collect information or yes no	the type of corge, etc.)? n/a Response Ager the extent of dan/a Response Ager f material involun/a Response Ager f material involun/a Response Ager Ager Ager Ager Ager Ager Ager Age	n/o n/o ncy demonstration in the index of th	trate the contain	time knowledge, sher or package time	tankcar, drum, kills & capability ? kills & capability skills & capability
to collect information on tank trailer, small packagyes no 4.1.2 Did Emergency It to collect information on yes no 4.1.3 Did Emergency It to estimate the quantity or yes no 4.1.4 Did Emergency to collect information or (from fixed facilities)?	the type of corge, etc.)? n/a Response Ager the extent of dan/a Response Ager f material involun/a Response Ager hthe shipping	n/o ncy demonstrated to the n/o ncy demonstrated to the n/o ncy demonstrated? n/o ncy demonstrated? n/o ncy demonstrated to the n/o	trate the contain	time knowledge, sher or package	tankcar, drum, kills & capability ? kills & capability skills & capability

Reproduction without modification is allowed with credit given to Philip H. McArdle (FDNY) and the Emergency Response Agencies of the City of New York Effective October 27, 1995

Page 66

labeling syste	ms) to assist in aterial involved	identifying the	specific materi	al, or at a minimum, the hazard
yes	no	n/a	n/o	time
Parameter Control	-	di .		
4.1.6 Did Ento obtain info	rmation from k	oonse Agency d nowledgeable	lemonstrate the persons on the	knowledge, skills & capability scene (truck driver, train crew,
yes	no	n/a	n/o	time
7		-	-	
the initial inc	ident assessme ources (e.g., DC	nt, demonstrate OTs Emergency	e the capability Response Gu	ing information gathered during to consult various emergency ide [ERG]) for initial responsent and property at risk?
outside exper	ne Emergency Its, CHEMTRE onse agencies? (no	C, and compute	er data bases an	tal response information such as dreport the observed field data time
organization However, as the capability Facility mans Emergency I	may be busy repart of exercise to actually congement, as well response Agen	esponding an a play, the Ementact other responding as outside expect of the control of the contr	actual incident orgency Resport onsible agenci- perts who are part demonstrate the	act CHEMTREC because that s/accidents across the country, ase Agency should demonstrate es, the transporter, shipper, and articipating in the exercise. The he capability to actually obtain er data bases, as appropriate.
Explanation:				
Identification	of the materi	al involved in	an Incident/A	ccident is critical to a safe and

Identification of the material involved in an <u>Incident/Accident</u> is critical to a safe and effective emergency response. The Emergency Response Agency should demonstrate the capability of its designated initial response personnel (e.g., First Responders Awareness, Operational, Hazardous Materials Technicians, Specialists, Incident Command) to complete an initial incident assessment of an <u>Incident/Accident</u>. The objective of an initial incident assessment is to maximize the safe recovery of information at the <u>Incident/Accident</u> site and to identify the material and the assess the hazards that may be involved.

Once the initial assessment has been completed and the spilled or released material has been identified, the Emergency Response Agency should demonstrate the capability to assess the potential hazards both at the affected site and to adjacent areas.

The Emergency Response Agency should demonstrate the capability to assess the physical factors affecting the release such as the material state (liquid, gas, solid), actual and projected release rate, and direction of the material released in air or water.

The physical factors associated with the natural setting and type of material being released at the accident site should guide the Emergency Response Agency in structuring the design of a field sampling plan and deployment of field monitoring teams. The Emergency Response Agency should demonstrate the capability to establish a priority for monitoring

Reproduction without modification is allowed with credit given to Philip H. McArdle (FDNY) and the Emergency Response Agencies of the City of New York

Effective October 27, 1995

airborne toxic substances develop a strategy for monitoring and using direct reading instruments maintain monitoring capabilities for the duration of the release identify and respond to atmospheric and geographic conditions obtain environmental samples analyze the samples supplement field monitoring data with risk assessment data that are based on various computer models (e.g., ARCHIE, CAMEO, etc.)

The Emergency Response Agency should demonstrate the capability to use the analysis of the field samples to guide decision makers in developing protective actions for the responders as well as for the general public. Those activities concerning the risk(s) associated with the spilled or release material and the potential for exposure to the public health and safety and the environment are evaluated under Objective 9: Protective Actions for the Public.

(Demonstrate	the ability	L & EQUIPM to identify proper tools ar	the haz	ardous	material(s)	TIFICATION involved in an ork tasks.)
Response As	gency's abili	vides a frame ty to identify ir monitoring a	y the ha	zardous	material(s	an the Emergency) involved in an
Note: This o	bjective focus d capability to	ses on the technologies select the appropriate the select the sele	nical iden ropriate n	itification nonitorin	n of material g devices.	s and the technical
Was this Obje		ves no	n/a ——	n/o —	Time	
Evaluator Sign	nature _	2			D	Pate
Criteria:						
4.2.1 Did En wave technologidentify the pr	gy for detecti	sponse Agency on as the appro	demonst priate mo	rate the a onitoring	bility to sele devices by	ect surface acoustic the Entry Team to
yes	no	n/a 	n/o	-	time	
4.2.2 Did Enfor detection a product?	mergency Re as the appropr	sponse Agency iate monitoring	demonst devices	rate the a by the E	bility to sele ntry Team to	ct Flame ionization identify the
yes	no	n/a	n/o		time	
<u>V-10-11</u>			a ====		-	
4.2.3 Did Education as the yes	mergency Re ne appropriate no	sponse Agency monitoring de n/a	demonst evices by n/o	rate the a the Entry	bility to sele Team to ide time	ect Photo ionization entify the product?
		,		-		
4.2.4 Did E paper or pH n product?	mergency Reneter as the ap	esponse Agency opropriate mon	y demons itoring d	trate the evices by	ability to sel	ect colorimetric pH Team to identify the

Reproduction without modification is allowed with credit given to Philip H. McArdle (FDNY) and the Emergency Response Agencies of the City of New York Effective October 27, 1995

Page 68

yes	no	n/a	n/o	time			
	A TOTAL TOTAL		-				
4.2.5 Did E appropriate myes	Emergency Res nonitoring devi no	sponse Agency ces by the Entry n/a	demonstrate the Team to identify n/o	e ability to select CAMs as the fy the product? time			
				8			
4.2.6 Did E the appropria yes	Emergency Reste monitoring of no	ponse Agency of levices by the E n/a	demonstrate the intry Team to iden/o	ability to select Drager tubes as entify the product? time ———			
4.2.7 Did E	Emergency Respirate monitoring	sponse Agency g devices by the	demonstrate the Entry Team?	e ability to select oxygen meters			
yes	no	n/a	n/o	time			
	474	_3 2	· · · · · · · · · · · · · · · · · · ·				
4.2.8 Did I meters as the yes	Emergency Re appropriate mo no	sponse Agency onitoring device n/a	y demonstrate t es by the Entry 7 n/o	he ability to select radiological Feam?			
				-			
4.2.9 Did I appropriate reyes	Emergency Renonitoring devi	sponse Agency ces by the Entr n/a	/ demonstrate they Team? n/o	time			
Explanation:							
Explanation: Identification of the material involved in an <u>Incident/Accident</u> is critical to a safe and effective emergency response. The Emergency Response Agency should demonstrate the capability of its designated Hazardous Materials Technicians, Specialists to complete an initial product identification at an <u>Incident/Accident</u> . The objective of an initial incident identification is to maximize the safe recovery of information at the <u>Incident/Accident</u> site and to identify the material.							

The Emergency Response Agency should demonstrate the capability to deploy field monitoring teams. The Emergency Response Agency should demonstrate the capability to establish a priority for monitoring airborne toxic substances develop a strategy for monitoring and using direct reading instruments maintain monitoring capabilities for the duration of the release.

The Emergency Response Agency should demonstrate the capability to use the analysis of the field samples to guide decision makers in developing protective actions for the responders as well as for the general public.

(Demonstrate Incident/Accident	4.3: AIR Me the ability dent and to ass gency and Post	to identify ess the hazar	the hazardo ds associated	TIFICATION ous material(s) involved in with the material involved dur	an ing
Response Ag Incident/Accident	ency's ability	y to identify sess the hazar	the hazardo	evaluation of an the Emergerous material(s) involved in with the material during both	an
the associated	hazards to the the the the	public health	n and safety.	ation of materials the assessmen The Emergency Response Age the material involved in	ncy
Screening on UK Scootskin Ga	ye	es no	n/a n/o	Time	
Was this Obje	ctive Met	- 1		_	
Evaluator Sign	nature	eques disease and control		Date	
Criteria:					
4.3.1 Did E	mergency Resp	onse Agency	demonstrate th	he ability to select a systematic	
search pattern	clearly identif	y it's use and only it's use and only it's use and only it's and only it's it's and only it's it's and only it's it's use and only it's us	(grid, left/right n/o	t or Colleen 8 point method)?	
yes ——	no ———				
4.3.2 Did E to collect info yes	mergency Res	ponse Agency ntinue the pat n/a	demonstrate t tern throughou n/o	the knowledge, skills & capability the process?? time	ity
	mergency Res		demonstrate 1	the knowledge, skills & capabil	ity
yes	no	n/a	n/o	time	
1	()	3 1111 1111 1 11			
to mark the a	areas where re	ading registe er than 20%	red on the mo	e the knowledge, skills & capab onitoring device?(controllers r in order for the person doing	nusi
yes	no	n/a	n/o	time	
4.3.5 Did E	mergency Res	sponse Agenc	y demonstrate	e the knowledge, skills & capab	oility
yes	no	n/a	n/o	time	
			** <u>*</u>		
4.3.6 Did E	Emergency Reservo the monitor	sponse Agenc	y demonstrate	e the knowledge, skills & capab	oility

Reproduction without modification is allowed with credit given to Philip H. McArdle (FDNY) and the Emergency Response Agencies of the City of New York Effective October 27, 1995

Page 70

yes	no	n/a 	n/o 	time	
4.3.7 Did I to apply a res	Emergenc sponse cui no	y Response Agen rve to come up wit n/a	cy demonstrate h an actual reac n/o	the knowledge, skiing? time	ills & capability
4.3.8 Did I to allow the cyes	Emergenc correct am no	y Response Agen nount of reaction ti n/a	ncy demonstrate me for the mon n/o	the knowledge, sk toring device? time	ills & capability
4.3.9 Did I to apply the yes	Emergenc TLV/TW no	y Response Ager A, IDLH, LD, PE n/a	ncy demonstrate L information to n/o	the knowledge, ske the situation? time	ills & capability
4.3.10 capability to monitoring dayes	know a	mergency Responsition levels for the	nse Agency de e product and n/o	monstrate the know the appropriate acti	vledge, skills & on based on the
4.3.11 capability to yes	Did Er come up no	nergency Respons with background n/a	se Agency dem readings? n/o	onstrate the knowled	dge, skills &
4.3.12 capability t contamination yes	o survey	mergency Respo the area or obje n/a	nse Agency dects by slowly n/o	monstrate the known passing the probe	wledge, skills & over suspected
4.3.13 capability no area where reges	ote and re	cord readings and	se Agency dem use chalk or tap n/o	onstrate the knowle e or some other me time	dge, skills & thod to mark the
Explanation	:				

The Emergency Response Agency should demonstrate the capability to assess the physical factors affecting the release such as the material state (liquid, gas, solid), actual and projected release rate, and direction of the material released in air or water.

The physical factors associated with the natural setting and type of material being released at the accident site should guide the Emergency Response Agency in structuring the design of a field sampling plan and deployment of field monitoring teams.

The Emergency Response Agency should demonstrate the capability to use the analysis of the field samples to guide decision makers in developing protective actions for the

Reproduction without modification is allowed with credit given to Philip H. McArdle (FDNY) and the Emergency Response Agencies of the City of New York

Effective October 27, 1995

Page 71

responders as well as for the general public. Those activities concerning the risk(s) associated with the spilled or release material and the potential for exposure to the public health and safety and the environment are evaluated under the goal of Protection.

OBJECTIVE 4.4: SAMPL (Demonstrate the ability to perfect the ability to perfect the ability to perfect the same ability the same ability the same ability the same ability to perfect the same ability the same abilit	orm unbiased s	ampling proced	ures)
Intent This objective provide Response Agency's ability to using nationally accepted work	provide qualit	y control in ur	uation of an the Emergency biased sampling of products
Note: This objective focuses assessment of the associated Response Agency demonstrate an incident/accident.	hazards to the	e public health	and safety. The Emergency
Was this Objective Met	no n/	'a n/o — —	Time —
Evaluator Signature			Date
Criteria:			
4.4.1 Did Emergency Response equipment to do a proper samply yes no	ling?		time
4.4.2 Did Emergency Respo to select a variety of bung wrer yes no	iches?		nowledge, skills & capability
4.4.3 Did Emergency Respo to select several size sampling yes no	nse Agency de tubes? n/a		nowledge, skills & capability
to draw a sample of product for	onse Agency dor a given situa n/a	emonstrate the tion?	knowledge, skills & capability
to use an absorbent pad to cove	onse Agency der the sampling	emonstrate the popening and proper in the proper in the properties of the properties	knowledge, skills & capability revent spillage?
to use the sampling tube in con	onse Agency d ijunction with t n/a ———	emonstrate the the pail pump?	knowledge, skills & capability time
to select the proper amount of	onse Agency d sampled materi n/a	emonstrate the ial??	knowledge, skills & capability time
Reproduction without modif	ergency Respon		given to Philip H. McArdle he City of New York

970		-								
4.4.8 to avoi	Did En id direct	nergency contamin no	nation a	onse Ag s a resu n/a	ency of	lemonstr oor samp n/o	rate the oling tec	knowled hniques? time	ge, skills & capab	ility
4.4.9 to avo	Did En id contar	nergency nination no	of the c	onse Ag outside o n/a	gency of the s	lemonstr ampling n/o	rate the contain	knowled er? time	ge, skills & capab	ility
4.4.10 capabi		Did Em roperly la no	ibel the	y Resp samplir n/a	oonse .	Agency tainer? n/o	demon	strate the	e knowledge, skill	ls &
4.4.11 capabitapere yes	ility to ta	ke a repi	resentat vasa un	ive sam	ple of	the conta	ainer (by	ate the ki holding lly inserte time	nowledge, skills & the plunger off the ed)??	2
4.4.12 capab the sar yes	ility to a	void dire	ct conta	aminatio	on by t	ising an	absorbe	nt pad as	e knowledge, skills the member with outside of the tube	drev
4.4.13 capab yes		Did Em rovide un no	nbiased	y Respo sample n/a	onse A s?	gency d	emonstr	rate the k	nowledge, skills &	ž
4.4.14 capab		Did Em rovide a no	nergency rinse bl	y Respo anks? n/a	onse A	gency d n/o	emonstr	rate the k	nowledge, skills &	200
4.4.1. capab		Did Em rovide a no	nergency trip bla	y Resp nks? n/a	onse A	agency d n/o	emonstr	rate the k	nowledge, skills &	r y
4.4.1 capab yes		Did En rovide a no			onse A	n/o	emonstr	rate the k	nowledge, skills &	٥
4.4.1 capab		Did En provide a no			onse A	n/o	emonstr	rate the k	nowledge, skills &	٤

Reproduction without modification is allowed with credit given to Philip H. McArdle (FDNY) and the Emergency Response Agencies of the City of New York Effective October 27, 1995 Page 74

Explanation:

The Emergency Response Agency should demonstrate the capability to assess the physical factors affecting the release such as the material state (liquid, gas, solid), actual and projected release rate, and direction of the material released in air or water.

The physical factors associated with the natural setting and type of material being released at the accident site should guide the Emergency Response Agency in structuring the design of a field sampling plan and deployment of field monitoring teams.

The Emergency Response Agency should demonstrate the capability to use the analysis of the field samples to guide decision makers in developing protective actions for the responders as well as for the general public. Those activities concerning the risk(s) associated with the spilled or release material and the potential for exposure to the public health and safety and the environment are evaluated under the goal of Protection.