"Serving Our Commonwealth"

Module 3 Appendices: Emergency Response Planning Guide for EHS Facilities

Program Notes:

•**Module 3: Emergency Response Planning Guide for EHS Facilities**

Purpose (Module 3):

This course is designed to provide active LEPC members with an understanding of the legal planning requirements found in EPCRA, KRS, and KAR.

Target Audience (Module 3):

The target audience for this course are members of the LEPCs with an active role in the preparation, review, and approval of EHS Facility Emergency Response Plans: LEPC Chair, all LEPC members, representatives of special facilities, representatives from the local school district, facility personnel, first responders, local elected officials & government personnel, and any private citizen with an interest in community awareness and emergency preparedness

Course Documents:

- **Course Manual PDF**
- **Course Fact Sheet PPT & PDF**
- **PowerPoint Slide show PPT & PDF**
- **Instructor Manual & Exam Key Doc & PDF**
- **Self-Study Manual Doc & PDF**
- **Final Examination Doc & PDF –**

Appendixes: List of Lists EHSs only, 2016 Calendar of Events, EHS Plan Template, ACL Template, EHS Plan Checklist, Active LEPC Checklist, Acronym List, Example EHS Plan & Kentucky County Codes

Appendix Items List

❑LoL	List of Lists EHSs only, Alphabetical Sort
❑003-CAL	KERC Calendar of Events
❑301-PT	EHS Plan Template
❑302-ACL	Annual Certification Letter
❑303-PC	EHS Plan Checklist
❑505-AC	Active LEPC Checklist
❑507-Acronym	KERC Acronym List
❑304-EP	Example EHS Plan
	Kentucky County Codes

Discussion Questions:

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NAME	NAMEINDEX	CAS Sort Value	CAS/313 Category Codes	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	RCRA CODE	CAA 112(r) TQ
Acetic acid ethenyl ester	ACETICACIDETHENYLESTER	108054	108-05-4	1,000	5,000	5,000	X		15,000
Acetone cyanohydrin	ACETONE CYANOHYDRIN	75865	75-86-5	1,000	10	10	X	P069	
Acetone thiosemicarbazide	ACETONE THIOSEMICARBAZID	1752303	1752-30-3	1,000/10,000	1,000				
Acrolein	ACROLEIN	107028	107-02-8	500	1	1	313	P003	5,000
Acrylamide	ACRYLAMIDE	79061	79-06-1	1,000/10,000	5,000	5,000	313	U007	
Acrylonitrile	ACRYLONITRILE	107131	107-13-1	10,000	100	100	313	U009	20,000
Acrylyl chloride	ACRYLYL CHLORIDE	814686	814-68-6	100	100				5,000
Adiponitrile	ADIPONITRILE	111693	111-69-3	1,000	1,000				
Aldicarb	ALDICARB	116063	116-06-3	100/10,000	1	1	313	P070	
Aldrin	ALDRIN	309002	309-00-2	500/10,000	1	1	313	P004	
Allyl alcohol	ALLYLALCOHOL	107186	107-18-6	1,000	100	100	313	P005	15,000
Allylamine	ALLYLAMINE	107119	107-11-9	500	500		313		10,000
Aluminum phosphide	ALUMINUMPHOSPHIDE	20859738	20859-73-8	500	100	100	313	P006	
5-(Aminomethyl)-3-isoxazolol	AMINOMETHYLISOXAZOLOL	2763964	2763-96-4	500/10,000	1,000	1,000		P007	
Aminopterin	AMINOPTERIN	54626	54-62-6	500/10,000	500				
4-Aminopyridine	AMINOPYRIDINE	504245	504-24-5	500/10,000	1,000	1,000		P008	
Amiton	AMITON	78535	78-53-5	500	500				
Amiton oxalate	AMITON OXALATE	3734972	3734-97-2	100/10,000	100				
Ammonia	AMMONIA	7664417	7664-41-7	500	100	100	313		
Ammonia (anhydrous)	AMMONIA	7664417	7664-41-7	500	100	100	X		10,000
Amphetamine	AMPHETAMINE	300629	300-62-9	1,000	1,000				
Aniline	ANILINE	62533	62-53-3	1,000	5,000	5,000	313	U012	
Aniline, 2,4,6-trimethyl-	ANILINE, 2,4,6-TRIMETHYL-	88051	88-05-1	500	500				
Antimony pentafluoride	ANTIMONYPENTAFLUORIDE	7783702	7783-70-2	500	500		313c		
Antimycin A	ANTIMYCIN A	1397940	1397-94-0	1,000/10,000	1,000				
ANTU	ANTU	86884	86-88-4	500/10,000	100	100		P072	
Arsenic pentoxide	ARSENIC PENTOXIDE	1303282	1303-28-2	100/10,000	1	1	313c	P011	
Arsenic trioxide	ARSENIC TRIOXIDE	1327533	1327-53-3	100/10,000	1	1	313c	P012	
Arsenous oxide	ARSENOUS OXIDE	1327533	1327-53-3	100/10,000	1	1	313c	P012	
Arsenous trichloride	ARSENOUS TRICHLORIDE	7784341	7784-34-1	500	1	1	313c		15,000
Arsine	ARSINE	7784421	7784-42-1	100	100				1,000
Azinphos-ethyl	AZINPHOS-ETHYL	2642719	2642-71-9	100/10,000	100				
Azinphos-methyl	AZINPHOS-METHYL	86500	86-50-0	10/10,000	1	1			
Aziridine	AZIRIDINE	151564	151-56-4	500	1	1	X	P054	10,000
Aziridine, 2-methyl	AZIRIDINE, 2-METHYL	75558	75-55-8	10,000	1	1	X	P067	10,000
Benzal chloride	BENZALCHLORIDE	98873	98-87-3	500	5,000	5,000	313	U017	
Benzenamine, 3-(trifluoromethyl)-	BENZENAMINE, 3-(TRIFLUORO	98168	98-16-8	500	500				

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Benzenearsonic acid	BENZENEARSONIC ACID	98055	98-05-5	10/10,000	10				
Benzene, 1-(chloromethyl)-4-nitro-	BENZENECHLOROMETHYL)-4-(	100141	100-14-1	500/10,000	500				
Benzene, 2,4-diisocyanato-1-methy	BENZENEDIISOCYANATOMETH	584849	584-84-9	500	100	100	X		10,000
Benzene, 1,3-diisocyanato-2-methy	BENZENEDIISOCYANATOMETH	91087	91-08-7	100	100	100	X		10,000
Benzenethiol	BENZENETHIOL	108985	108-98-5	500	100	100		P014	
Benzimidazole, 4,5-dichloro-2-(triflu	BENZIMIDAZOLE,4,5-DICHLOR(	3615212	3615-21-2	500/10,000	500				
Benzoic trichloride	BENZOICTRICHLORIDE	98077	98-07-7	100	10	10	313	U023	
Benzotrichloride	BENZOTRICHLORIDE	98077	98-07-7	100	10	10	X	U023	
Benzyl chloride	BENZYLCHLORIDE	100447	100-44-7	500	100	100	313	P028	
Benzyl cyanide	BENZYLCYANIDE	140294	140-29-4	500	500				
Bicyclo[2.2.1]heptane-2-carbonitrile	BICYCLO[2.2.1]HEPTANE-2-CAI	15271417	15271-41-7	500/10,000	500				
2,2'-Bioxirane	BIOXIRANE	1464535	1464-53-5	500	10	10	X	U085	
Bis(2-chloroethyl) ether	BISCHLOROETHYLETHER	111444	111-44-4	10,000	10	10	313	U025	
Bis(chloromethyl) ether	BISCHLOROMETHYLETHER	542881	542-88-1	100	10	10	313	P016	1,000
Bis(chloromethyl) ketone	BISCHLOROMETHYLKETONE	534076	534-07-6	10/10,000	10				
Bitoscanate	BITOSCANATE	4044659	4044-65-9	500/10,000	500				
Borane, trichloro-	BORANETRICHLORO-	10294345	10294-34-5	500	500		X		5,000
Borane, trifluoro-	BORANETRIFLUORO-	7637072	7637-07-2	500	500		X		5,000
Boron trichloride	BORON TRICHLORIDE	10294345	10294-34-5	500	500		313		5,000
Boron trifluoride	BORON TRIFLUORIDE	7637072	7637-07-2	500	500		313		5,000
Boron trifluoride compound with me	BORON TRIFLUORIDE COMPO	353424	353-42-4	1,000	1,000				15,000
Boron, trifluoro[oxybis[methane]]-,	BORONTRIFLUORO[OXYBIS[MI	353424	353-42-4	1,000	1,000				15,000
Bromadiolone	BROMADIOLONE	28772567	28772-56-7	100/10,000	100				
Bromine	BROMINE	7726956	7726-95-6	500	500		313		10,000
Bromomethane	BROMOMETHANE	74839	74-83-9	1,000	1,000	1,000	313	U029	
2-Butenal	BUTENAL	4170303	4170-30-3	1,000	100	100	X	U053	20,000
2-Butenal, (e)-	BUTENAL, (E)-	123739	123-73-9	1,000	100	100		U053	20,000
Cadmium oxide	CADMIUM OXIDE	1306190	1306-19-0	100/10,000	100		313c		
Cadmium stearate	CADMIUM STEARATE	2223930	2223-93-0	1,000/10,000	1,000		313c		
Calcium arsenate	CALCIUMARSENATE	7778441	7778-44-1	500/10,000	1	1	313c		
Camphechlor	CAMPHECHLOR	8001352	8001-35-2	500/10,000	1	1	X	P123	
Camphene, octachloro-	CAMPHENE, OCTACHLORO-	8001352	8001-35-2	500/10,000	1	1	X	P123	
Cantharidin	CANTHARIDIN	56257	56-25-7	100/10,000	100				
Carbachol chloride	CARBACHOL CHLORIDE	51832	51-83-2	500/10,000	500				
Carbamic acid, methyl-, O-(((2,4-di	CARBAMIC ACIDMETHYL-, O-((	26419738	26419-73-8	100/10,000	100	100		P185	
Carbofuran	CARBOFURAN	1563662	1563-66-2	10/10,000	10	10	313	P127	
Carbon disulfide	CARBONDISULFIDE	75150	75-15-0	10,000	100	100	313	P022	20,000

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Carbonic dichloride	CARBONICDICHLORIDE	75445	75-44-5	10	10	10	X	P095	500
Carbonochloridic acid, methylester	CARBONOCHLORIDICACIDMET	79221	79-22-1	500	1,000	1,000	X	U156	5,000
Carbonochloridic acid, 1-methyleth	CARBONOCHLORIDICACIDMET	108236	108-23-6	1,000	1,000				15,000
Carbonochloridic acid, propylester	CARBONOCHLORIDICACIDPRO	109615	109-61-5	500	500				15,000
Carbophenothion	CARBOPHENOTHION	786196	786-19-6	500	500				
Chlordane	CHLORDANE	57749	57-74-9	1,000	1	1	313	U036	
Chlorfenvinfos	CHLORFENVINFOS	470906	470-90-6	500	500				
Chlorine	CHLORINE	7782505	7782-50-5	100	10	10	313		2,500
Chlormephos	CHLORMEPHOS	24934916	24934-91-6	500	500				
Chlormequat chloride	CHLORMEQUAT CHLORIDE	999815	999-81-5	100/10,000	100				
Chloroacetic acid	CHLOROACETICACID	79118	79-11-8	100/10,000	100	100	313		
2-Chloro-N-(2-chloroethyl)-N-methy	CHLOROCHLOROETHYL)-N-ME	51752	51-75-2	10	10		X		
Chloroethanol	CHLOROETHANOL	107073	107-07-3	500	500				
Chloroethyl chloroformate	CHLOROETHYLCHLOROFORM	627112	627-11-2	1,000	1,000				
Chloroform	CHLOROFORM	67663	67-66-3	10,000	10	10	313	U044	20,000
Chloromethyl ether	CHLOROMETHYLETHER	542881	542-88-1	100	10	10	X	P016	1,000
Chloromethyl methyl ether	CHLOROMETHYLMETHYLETHE	107302	107-30-2	100	10	10	313	U046	5,000
Chlorophacinone	CHLOROPHACINONE	3691358	3691-35-8	100/10,000	100				
3-Chloropropionitrile	CHLOROPROPIONITRILE	542767	542-76-7	1,000	1,000	1,000	313	P027	
Chloroxuron	CHLOROXURON	1982474	1982-47-4	500/10,000	500				
Chlorthiophos	CHLORTHIOPHOS	21923239	21923-23-9	500	500				
Chromic chloride	CHROMIC CHLORIDE	10025737	10025-73-7	1/10,000	1		313c		
Cobalt carbonyl	COBALT CARBONYL	10210681	10210-68-1	10/10,000	10		313c		
Cobalt, ((2,2'-(1,2-ethanediylbis(nit	COBALT, ((2,2'-(1,2-ETHANEDIY	62207765	62207-76-5	100/10,000	100		313c		
Colchicine	COLCHICINE	64868	64-86-8	10/10,000	10				
Coumaphos	COUMAPHOS	56724	56-72-4	100/10,000	10	10			
Coumatetralyl	COUMATETRALYL	5836293	5836-29-3	500/10,000	500				
o-Cresol	CRESOLB	95487	95-48-7	1,000/10,000	100	100	313	U052	
Crimidine	CRIMIDINE	535897	535-89-7	100/10,000	100				
Crotonaldehyde	CROTONALDEHYDE	4170303	4170-30-3	1,000	100	100	313	U053	20,000
Crotonaldehyde, (E)-	CROTONALDEHYDE, (E)-	123739	123-73-9	1,000	100	100		U053	20,000
Cupric acetoarsenite	CUPRIC ACETOARSENITE	12002038	12002-03-8	500/10,000	1	1	313c		
Cyanogen bromide	CYANOGENBROMIDE	506683	506-68-3	500/10,000	1,000	1,000	313c	U246	
Cyanogen iodide	CYANOGENIODIDE	506785	506-78-5	1,000/10,000	1,000		313c		
Cyanophos	CYANOPHOS	2636262	2636-26-2	1,000	1,000				
Cyanuric fluoride	CYANURICFLUORIDE	675149	675-14-9	100	100		313c		

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Cyclohexanamine	CYCLOHEXANAMINE	108918	108-91-8	10,000	10,000				15,000
Cyclohexane, 1,2,3,4,5,6-hexachlo	CYCLOHEXANEHEXACHLORO-	58899	58-89-9	1,000/10,000	1	1	X	U129	
Cycloheximide	CYCLOHEXIMIDE	66819	66-81-9	100/10,000	100				
Cyclohexylamine	CYCLOHEXYLAMINE	108918	108-91-8	10,000	10,000				15,000
Decaborane(14)	DECABORANE(14)	17702419	17702-41-9	500/10,000	500				
Demeton	DEMETON	8065483	8065-48-3	500	500				
Demeton-S-methyl	DEMETON-S-METHYL	919868	919-86-8	500	500				
Dialifor	DIALIFOR	10311849	10311-84-9	100/10,000	100				
Diborane	DIBORANE	19287457	19287-45-7	100	100				2,500
Diborane(6)	DIBORANE(6)	19287457	19287-45-7	100	100				2,500
trans-1,4-Dichloro-2-butene	DICHLOROBUTENE	110576	110-57-6	500	500		313		
trans-1,4-Dichlorobutene	DICHLOROBUTENE	110576	110-57-6	500	500		X		
Dichloroethyl ether	DICHLOROETHYLETHER	111444	111-44-4	10,000	10	10	X	U025	
Dichloromethyl ether	DICHLOROMETHYLETHER	542881	542-88-1	100	10	10	X	P016	1,000
Dichloromethylphenylsilane	DICHLOROMETHYLPHENYLSIL	149746	149-74-6	1,000	1,000				
Dichlorophenylarsine	DICHLOROPHENYLARSINE	696286	696-28-6	500	1	1		P036	
Dichlorvos	DICHLORVOS	62737	62-73-7	1,000	10	10	313		
Dicrotophos	DICROTOPHOS	141662	141-66-2	100	100				
Diepoxybutane	DIEPOXYBUTANE	1464535	1464-53-5	500	10	10	313	U085	
Diethyl chlorophosphate	DIETHYLCHLOROPHOSPHATE	814493	814-49-3	500	500				
O,O-Diethyl O-pyrazinyl phosphord	DIETHYLPYRAZINYL PHOSPHO	297972	297-97-2	500	100	100		P040	
Digitoxin	DIGITOXIN	71636	71-63-6	100/10,000	100				
Diglycidyl ether	DIGLYCIDYL ETHER	2238075	2238-07-5	1,000	1,000				
Digoxin	DIGOXIN	20830755	20830-75-5	10/10,000	10				
Diisopropylfluorophosphate	DIISOPROPYLFLUOROPHOSPH	55914	55-91-4	100	100	100		P043	
Dimefox	DIMEFOX	115264	115-26-4	500	500				
1,4:5,8-Dimethanonaphthalene, 1,2	DIMETHANONAPHTHALENEHE	309002	309-00-2	500/10,000	1	1	X	P004	
Dimethoate	DIMETHOATE	60515	60-51-5	500/10,000	10	10	313	P044	
Dimethyl chlorothiophosphate	DIMETHYLCHLOROTHIOPHOSI	2524030	2524-03-0	500	500		313		
Dimethyldichlorosilane	DIMETHYLDICHLOROSILANE	75785	75-78-5	500	500				5,000
1,1-Dimethyl hydrazine	DIMETHYLHYDRAZI	57147	57-14-7	1,000	10	10	313	U098	15,000
Dimethylhydrazine	DIMETHYLHYDRAZINE	57147	57-14-7	1,000	10	10	X	U098	15,000
Dimethyl-p-phenylenediamine	DIMETHYLPHENYLENEDIAMIN	99989	99-98-9	10/10,000	10				
Dimethyl phosphorochloridothioate	DIMETHYLPHOSPHOROCHLOF	2524030	2524-03-0	500	500		X		
Dimethyl sulfate	DIMETHYLSULFATE	77781	77-78-1	500	100	100	313	U103	
Dimetilan	DIMETILAN	644644	644-64-4	500/10,000	1	1		P191	

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Dinitrobutyl phenol	DINITROBUTYL PHENOL	88857	88-85-7	100/10,000	1,000	1,000	313	P020	
4,6-Dinitro-o-cresol	DINITROCRESOL	534521	534-52-1	10/10,000	10	10	313	P047	
Dinitrocresol	DINITROCRESOL	534521	534-52-1	10/10,000	10	10	X	P047	
Dinoseb	DINOSEB	88857	88-85-7	100/10,000	1,000	1,000	X	P020	
Dinoterb	DINOTERB	1420071	1420-07-1	500/10,000	500				
Dioxathion	DIOXATHION	78342	78-34-2	500	500				
Diphacinone	DIPHACINONE	82666	82-66-6	10/10,000	10				
Diphosphoramide, octamethyl-	DIPHOSPHORAMIDE, OCTAME	152169	152-16-9	100	100	100		P085	
Disulfoton	DISULFOTON	298044	298-04-4	500	1	1		P039	
Dithiazanine iodide	DITHIAZANINE IODIDE	514738	514-73-8	500/10,000	500				
Dithiobiuret	DITHIOBIURET	541537	541-53-7	100/10,000	100	100	X	P049	
2,4-Dithiobiuret	DITHIOBIURET-2,4	541537	541-53-7	100/10,000	100	100	313	P049	
Emetine, dihydrochloride	EMETINE, DIHYDROCHLORIDE	316427	316-42-7	1/10,000	1				
Endosulfan	ENDOSULFAN	115297	115-29-7	10/10,000	1	1		P050	
Endothion	ENDOTHION	2778043	2778-04-3	500/10,000	500				
Endrin	ENDRIN	72208	72-20-8	500/10,000	1	1		P051	
Epichlorohydrin	EPICHLOROHYDRIN	106898	106-89-8	1,000	100	100	313	U041	20,000
EPN	EPN	2104645	2104-64-5	100/10,000	100				
Ergocalciferol	ERGOCALCIFEROL	50146	50-14-6	1,000/10,000	1,000				
Ergotamine tartrate	ERGOTAMINE TARTRATE	379793	379-79-3	500/10,000	500				
1,2-Ethanediamine	ETHANEDIAMINE	107153	107-15-3	10,000	5,000	5,000			20,000
Ethaneperoxoic acid	ETHANEPEROXOICACID	79210	79-21-0	500	500		X		10,000
Ethanesulfonyl chloride, 2-chloro-	ETHANESULFONYL CHLORIDE	1622328	1622-32-8	500	500				
Ethane, 1,1'-thiobis[2-chloro-	ETHANETHIOBISCHLORO-	505602	505-60-2	500	500		X		
Ethanimidothioic acid, N-[[methylar	ETHANIMIDOTHIOICACIDMETH	16752775	16752-77-5	500/10,000	100	100		P066	
Ethanol, 1,2-dichloro-, acetate	ETHANOLDICHLOROACETATE	10140871	10140-87-1	1,000	1,000				
Ethion	ETHION	563122	563-12-2	1,000	10	10			
Ethoprop	ETHOPROP	13194484	13194-48-4	1,000	1,000		313		
Ethoprophos	ETHOPROPHOS	13194484	13194-48-4	1,000	1,000		X		
Ethylbis(2-chloroethyl)amine	ETHYLBISCHLOROETHYL)AMIN	538078	538-07-8	500	500				
Ethyl cyanide	ETHYLCYANIDE	107120	107-12-0	500	10	10		P101	10,000
Ethylenediamine	ETHYLENEDIAMINE	107153	107-15-3	10,000	5,000	5,000			20,000
Ethylene fluorohydrin	ETHYLENEFLUOROHYDRIN	371620	371-62-0	10	10				
Ethyleneimine	ETHYLENEIMINE	151564	151-56-4	500	1	1	313	P054	10,000
Ethylene oxide	ETHYLENEOXIDE	75218	75-21-8	1,000	10	10	313	U115	10,000
Ethylthiocyanate	ETHYLTHIOCYANATE	542905	542-90-5	10,000	10,000				
Fenamiphos	FENAMIPHOS	22224926	22224-92-6	10/10,000	10				

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Fensulfothion	FENSULFOTHION	115902	115-90-2	500	500				
Fluenetil	FLUENETIL	4301502	4301-50-2	100/10,000	100				
Fluorine	FLUORINE	7782414	7782-41-4	500	10	10	313	P056	1,000
Fluoroacetamide	FLUOROACETAMIDE	640197	640-19-7	100/10,000	100	100		P057	
Fluoroacetic acid	FLUOROACETIC ACID	144490	144-49-0	10/10,000	10				
Fluoroacetic acid, sodium salt	FLUOROACETIC ACID, SODIUM	62748	62-74-8	10/10,000	10	10	X	P058	
Fluoroacetyl chloride	FLUOROACETYL CHLORIDE	359068	359-06-8	10	10				
Fluorouracil	FLUOROURACIL	51218	51-21-8	500/10,000	500		313		
5-Fluorouracil	FLUOROURACIL,5-	51218	51-21-8	500/10,000	500		X		
Fonofos	FONOFOS	944229	944-22-9	500	500				
Formaldehyde	FORMALDEHYDE	50000	50-00-0	500	100	100	313	U122	15,000
Formaldehyde cyanohydrin	FORMALDEHYDECYANOHYDR	107164	107-16-4	1,000	1,000				
Formaldehyde (solution)	FORMALDEHYDESOLUTION)	50000	50-00-0	500	100	100	X	U122	15,000
Formetanate hydrochloride	FORMETANATEHYDROCHLOR	23422539	23422-53-9	500/10,000	100	100		P198	
Formothion	FORMOTHION	2540821	2540-82-1	100	100				
Formparanate	FORMPARANATE	17702577	17702-57-7	100/10,000	100	100		P197	
Fosthietan	FOSTHIETAN	21548323	21548-32-3	500	500				
Fuberidazole	FUBERIDAZOLE	3878191	3878-19-1	100/10,000	100				
Furan	FURAN	110009	110-00-9	500	100	100	313	U124	5,000
Gallium trichloride	GALLIUM TRICHLORIDE	13450903	13450-90-3	500/10,000	500				
Guthion	GUTHION	86500	86-50-0	10/10,000	1	1			
Hexachlorocyclohexane (gamma is	HEXACHLOROCYCLOHEXANE(	58899	58-89-9	1,000/10,000	1	1	X	U129	
Hexachlorocyclopentadiene	HEXACHLOROCYCLOPENTADI	77474	77-47-4	100	10	10	313	U130	
Hexamethylenediamine, N,N'-dibut	HEXAMETHYLENEDIAMINE, N,I	4835114	4835-11-4	500	500				
Hydrazine	HYDRAZINE	302012	302-01-2	1,000	1	1	313	U133	15,000
Hydrazine, 1,1-dimethyl-	HYDRAZINEDIMETHYL-	57147	57-14-7	1,000	10	10	X	U098	15,000
Hydrazine, methyl-	HYDRAZINEMETHYL-	60344	60-34-4	500	10	10	X	P068	15,000
Hydrocyanic acid	HYDROCYANICACID	74908	74-90-8	100	10	10	X	P063	2,500
Hydrofluoric acid	HYDROFLUORICACID	7664393	7664-39-3	100	100	100	X	U134	
Hydrofluoric acid (conc. 50% or gre	HYDROFLUORICACID (CONC>)	7664393	7664-39-3	100	100	100	X	U134	1,000
Hydrogen chloride (anhydrous)	HYDROGENCHLORIDE	7647010	7647-01-0	500	5,000	5,000	X		5,000
Hydrogen chloride (gas only)	HYDROGENCHLORIDE (Gas Or	7647010	7647-01-0	500	5,000	5,000	X		5,000
Hydrogen cyanide	HYDROGENCYANIDE	74908	74-90-8	100	10	10	313	P063	2,500
Hydrogen fluoride	HYDROGENFLUORIDE	7664393	7664-39-3	100	100	100	313	U134	
Hydrogen fluoride (anhydrous)	HYDROGENFLUORIDE(ANHYD	7664393	7664-39-3	100	100	100	X	U134	1,000
Hydrogen peroxide (Conc.> 52%)	HYDROGENPEROXIDE (Conc.>	7722841	7722-84-1	1,000	1,000				

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Hydrogen selenide	HYDROGENSELENIDE	7783075	7783-35-9	10	10		313c		500
Hydrogen sulfide	HYDROGENSULFIDE	7783064	7783-07-5	500	100	100	313	U135	10,000
Hydroquinone	HYDROQUINONE	123319	123-31-9	500/10,000	100	100	313		
Iron carbonyl (Fe(CO)5), (TB-5-11)	IRONCARBONYL (FE(CO)5), (TE	13463406	13463-40-6	100	100		X		2,500
Iron, pentacarbonyl-	IRONPENTACARBONYL-	13463406	13463-40-6	100	100		313		2,500
Isobenzan	ISOBENZAN	297789	297-78-9	100/10,000	100				
Isobutyronitrile	ISOBUTYRONITRILE	78820	78-82-0	1,000	1,000				20,000
Isocyanic acid, 3,4-dichlorophenyl	ISOCYANIC ACID, 3,4-DICHLOR	102363	102-36-3	500/10,000	500				
Isodrin	ISODRIN	465736	465-73-6	100/10,000	1	1	313	P060	
Isofluorphate	ISOFLUORPHATE	55914	55-91-4	100	100	100		P043	
Isophorone diisocyanate	ISOPHORONE DIISOCYANATE	4098719	4098-71-9	500	500		313#		
Isopropyl chloroformate	ISOPROPYLCHLOROFORMATE	108236	108-23-6	1,000	1,000				15,000
Isopropylmethylpyrazolyl dimethylc	ISOPROPYLMETHYLPYRAZOLY	119380	119-38-0	500	100	100		P192	
Isothiocyanatomethane	ISOTHIOCYANATOMETHANE	556616	556-61-6	500	500		X		
Lactonitrile	LACTONITRILE	78977	78-97-7	1,000	1,000				
Leptophos	LEPTOPHOS	21609905	21609-90-5	500/10,000	500				
Lewisite	LEWISITE	541253	541-25-3	10	10				
Lindane	LINDANE	58899	58-89-9	1,000/10,000	1	1	313	U129	
Lithium hydride	LITHIUMHYDRIDE	7580678	7580-67-8	100	100				
Malononitrile	MALONONITRILE	109773	109-77-3	500/10,000	1,000	1,000	313	U149	
Manganese, tricarbonyl methylcycl	MANGANESETRICARBONYL M	12108133	12108-13-3	100	100		313c		
Mechlorethamine	MECHLORETHAMINE	51752	51-75-2	10	10		X		
Mephosfolan	MEPHOSFOLAN	950107	950-10-7	500	500				
Mercaptodimethur	MERCAPTODIMETHUR	2032657	2032-65-7	500/10,000	10	10	X	P199	
Mercuric acetate	MERCURICACETATE	1600277	1600-27-7	500/10,000	500		313c		
Mercuric chloride	MERCURICCHLORIDE	7487947	7487-94-7	500/10,000	500		313c		
Mercuric oxide	MERCURICOXIDE	21908532	21908-53-2	500/10,000	500		313c		
Methacrolein diacetate	METHACROLEIN DIACETATE	10476956	10476-95-6	1,000	1,000				
Methacrylic anhydride	METHACRYLIC ANHYDRIDE	760930	760-93-0	500	500				
Methacrylonitrile	METHACRYLONITRILE	126987	126-98-7	500	1,000	1,000	313	U152	10,000
Methacryloyl chloride	METHACRYLOYL CHLORIDE	920467	920-46-7	100	100				
Methacryloyloxyethyl isocyanate	METHACRYLOYLOXYETHYL IS	30674807	30674-80-7	100	100				
Methamidophos	METHAMIDOPHOS	10265926	10265-92-6	100/10,000	100				
Methanamine, N-methyl-N-nitroso-	METHANAMINEMETHYLNITROS	62759	62-75-9	1,000	10	10	X	P082	
Methane, chloromethoxy-	METHANECHLOROMETHOXY-	107302	107-30-2	100	10	10	X	U046	5,000

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Methane, isocyanato-	METHANEISOCYANATO-	624839	624-83-9	500	10	10	X	P064	10,000
Methane, oxybis[chloro-	METHANEOXYBIS[CHLORO-	542881	542-88-1	100	10	10	X	P016	1,000
Methanesulfenyl chloride, trichloro-	METHANESULFENYLCHLORIDI	594423	594-42-3	500	100	100	X		10,000
Methanesulfonyl fluoride	METHANESULFONYL FLUORID	558258	558-25-8	1,000	1,000				
Methane, tetranitro-	METHANETETRANITRO-	509148	509-14-8	500	10	10		P112	10,000
Methanethiol	METHANETHIOL	74931	74-93-1	500	100	100	X	U153	10,000
Methane, trichloro-	METHANETRICHLORO-	67663	67-66-3	10,000	10	10	X	U044	20,000
4,7-Methanoindan, 1,2,3,4,5,6,7,8,	METHANOINDANOCTACHLORC	57749	57-74-9	1,000	1	1	X	U036	
Methidathion	METHIDATHION	950378	950-37-8	500/10,000	500				
Methiocarb	METHIOCARB	2032657	2032-65-7	500/10,000	10	10	313	P199	
Methomyl	METHOMYL	16752775	16752-77-5	500/10,000	100	100		P066	
Methoxyethylmercuric acetate	METHOXYETHYLMERCURIC AC	151382	151-38-2	500/10,000	500		313c		
Methyl bromide	METHYLBROMIDE	74839	74-83-9	1,000	1,000	1,000	X	U029	
Methyl 2-chloroacrylate	METHYLCHLOROACRYLATE	80637	80-63-7	500	500				
Methyl chlorocarbonate	METHYLCHLOROCARBONATE	79221	79-22-1	500	1,000	1,000	313	U156	5,000
Methyl chloroformate	METHYLCHLOROFORMATE	79221	79-22-1	500	1,000	1,000	X	U156	5,000
Methyl hydrazine	METHYLHYDRAZINE	60344	60-34-4	500	10	10	313	P068	15,000
Methyl isocyanate	METHYLISOCYANATE	624839	624-83-9	500	10	10	313	P064	10,000
Methyl isothiocyanate	METHYLISOTHIOCYANATE	556616	556-61-6	500	500		313		
2-Methyllactonitrile	METHYLLACTONITRILE	75865	75-86-5	1,000	10	10	313	P069	
Methyl mercaptan	METHYLMERCAPTAN	74931	74-93-1	500	100	100	313s	U153	10,000
Methylmercuric dicyanamide	METHYLMERCURIC DICYANAM	502396	502-39-6	500/10,000	500		313c		
Methyl parathion	METHYLPARATHION	298000	298-00-0	100/10,000	100	100	313	P071	
Methyl phenkapton	METHYLPHENKAPTON	3735237	3735-23-7	500	500				
Methyl phosphonic dichloride	METHYLPHOSPHONIC DICHLO	676971	676-97-1	100	100				
Methyl thiocyanate	METHYLTHIOCYANATE	556649	556-64-9	10,000	10,000				20,000
Methyltrichlorosilane	METHYLTRICHLOROSILANE	75796	75-79-6	500	500				5,000
Methyl vinyl ketone	METHYLVINYL KETONE	78944	78-94-4	10	10				
Metolcarb	METOLCARB	1129415	1129-41-5	100/10,000	1,000	1,000		P190	
Mevinphos	MEVINPHOS	7786347	7786-34-7	500	10	10	313		
Mexacarbate	MEXACARBATE	315184	315-18-4	500/10,000	1,000	1,000		P128	
Mitomycin C	MITOMYCIN C	50077	50-07-7	500/10,000	10	10		U010	
Monocrotophos	MONOCROTOPHOS	6923224	6923-22-4	10/10,000	10				
Muscimol	MUSCIMOL	2763964	2763-96-4	500/10,000	1,000	1,000		P007	
Mustard gas	MUSTARDGAS	505602	505-60-2	500	500		313		
Nickel carbonyl	NICKELCARBONYL	13463393	13463-39-3	1	10	10	313c	P073	1,000

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Nicotine	NICOTINE	54115	54-11-5	100	100	100	313c	P075	
Nicotine sulfate	NICOTINE SULFATE	65305	65-30-5	100/10,000	100	100	313c		
Nitric acid	NITRICACID	7697372	7697-37-2	1,000	1,000	1,000	313		
Nitric acid (conc 80% or greater)	NITRICACID	7697372	7697-37-2	1,000	1,000	1,000	X		15,000
Nitric oxide	NITRICOXIDE	10102439	10102-43-9	100	10	10 @		P076	10,000
Nitrobenzene	NITROBENZENE	98953	98-95-3	10,000	1,000	1,000	313	U169	
Nitrocyclohexane	NITROCYCLOHEXANE	1122607	1122-60-7	500	500				
Nitrogen dioxide	NITROGEN DIOXIDE	10102440	10102-44-0	100	10	10 @		P078	
Nitrogen mustard	NITROGENMUSTARD	51752	51-75-2	10	10		313		
Nitrogen oxide (NO)	NITROGENOXIDE (NO)	10102439	10102-43-9	100	10	10 @		P076	10,000
N-Nitrosodimethylamine	NITROSODIMETHYLAMI	62759	62-75-9	1,000	10	10	313	P082	
Nitrosodimethylamine	NITROSODIMETHYLAMINE	62759	62-75-9	1,000	10	10	X	P082	
Norbormide	NORBORMIDE	991424	991-42-4	100/10,000	100				
Organorhodium Complex (PMN-82	ORGANORHODIUM COMPLEX	2	0	10/10,000	10	PMN			
Ouabain	OUABAIN	630604	630-60-4	100/10,000	100				
Oxamyl	OXAMYL	23135220	23135-22-0	100/10,000	100	100		P194	
Oxetane, 3,3-bis(chloromethyl)-	OXETANE, 3,3-BIS(CHLOROME	78717	78-71-7	500	500				
Oxirane	OXIRANE	75218	75-21-8	1,000	10	10	X	U115	10,000
Oxirane, (chloromethyl)-	OXIRANECHLOROMETHYL)-	106898	106-89-8	1,000	100	100	X	U041	20,000
Oxirane, methyl-	OXIRANEMETHYL-	75569	75-56-9	10,000	100	100	X		10,000
Oxydisulfoton	OXYDISULFOTON	2497076	2497-07-6	500	500				
Ozone	OZONE	10028156	10028-15-6	100	100		313		
Paraquat dichloride	PARAQUATDICHLORIDE	1910425	1910-42-5	10/10,000	10		313		
Paraquat methosulfate	PARAQUATMETHOSULFATE	2074502	2074-50-2	10/10,000	10				
Parathion	PARATHION	56382	56-38-2	100	10	10	313	P089	
Parathion-methyl	PARATHION-METHYL	298000	298-00-0	100/10,000	100	100	X	P071	
Paris green	PARIS GREEN	12002038	12002-03-8	500/10,000	1	1			
Pentaborane	PENTABORANE	19624227	19624-22-7	500	500				
Pentadecylamine	PENTADECYLAMINE	2570265	2570-26-5	100/10,000	100				
Peracetic acid	PERACETICACID	79210	79-21-0	500	500		313		10,000
Perchloromethyl mercaptan	PERCHLOROMETHYLMERCAP	594423	594-42-3	500	100	100	313		10,000
Phenol	PHENOL	108952	108-95-2	500/10,000	1,000	1,000	313	U188	
Phenol, 3-(1-methylethyl)-, methylc	PHENOLMETHYLETHYL)-, MET	64006	64-00-6	500/10,000	10	10		P202	
Phenol, 2,2'-thiobis[4-chloro-6-metl	PHENOLTHIOBIS[4-CHLORO-6-	4418660	4418-66-0	100/10,000	100				
Phenoxarsine, 10,10'-oxydi-	PHENOXARSINE, 10,10'-OXYDI	58366	58-36-6	500/10,000	500				
Phenyl dichloroarsine	PHENYLDICHLOROARSINE	696286	696-28-6	500	1	1		P036	

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Phenylhydrazine hydrochloride	PHENYLHYDRAZINE HYDROCH	59881	59-88-1	1,000/10,000	1,000				
Phenylmercuric acetate	PHENYLMERCURIC ACETATE	62384	62-38-4	500/10,000	100	100	313c	P092	
Phenylmercury acetate	PHENYLMERCURY ACETATE	62384	62-38-4	500/10,000	100	100	313c	P092	
Phenylsilatrane	PHENYLSILATRANE	2097190	2097-19-0	100/10,000	100				
Phenylthiourea	PHENYLTHIOUREA	103855	103-85-5	100/10,000	100	100		P093	
Phorate	PHORATE	298022	298-02-2	10	10	10		P094	
Phosacetim	PHOSACETIM	4104147	4104-14-7	100/10,000	100				
Phosfolan	PHOSFOLAN	947024	947-02-4	100/10,000	100				
Phosgene	PHOSGENE	75445	75-44-5	10	10	10	313	P095	500
Phosphamidon	PHOSPHAMIDON	13171216	13171-21-6	100	100				
Phosphine	PHOSPHINE	7803512	7803-51-2	500	100	100	313	P096	5,000
Phosphonothioic acid, methyl-, O-e	PHOSPHONOTHIOIC ACID, ME	2703131	2703-13-1	500	500				
Phosphonothioic acid, methyl-, S-(	PHOSPHONOTHIOIC ACID, ME	50782699	50782-69-9	100	100				
Phosphonothioic acid, methyl-, O-(	PHOSPHONOTHIOIC ACID, ME	2665307	2665-30-7	500	500				
Phosphoric acid, 2-dichloroethenyl	PHOSPHORICACIDDICHLOROE	62737	62-73-7	1,000	10	10	X		
Phosphoric acid, dimethyl 4-(methy	PHOSPHORICACIDDIMETHYL 4	3254635	3254-63-5	500	500				
Phosphorodithioic acid O-ethyl S,S	PHOSPHORODITHIOICACIDETI	13194484	13194-48-4	1,000	1,000		X		
Phosphorothioic acid, O,O-diethyl-	PHOSPHOROTHIOICACIDDIETI	56382	56-38-2	100	10	10	X	P089	
Phosphorothioic acid, O,O-dimethy	PHOSPHOROTHIOICACIDDIME	2587908	2587-90-8	500	500				
Phosphorous trichloride	PHOSPHOROUSTRICHLORIDE	7719122	7719-12-2	1,000	1,000	1,000			15,000
Phosphorus	PHOSPHORUS	7723140	7723-14-0	100	1	1			
Phosphorus (yellow or white)	PHOSPHORUS	7723140	7723-14-0	100	1	1	313		
Phosphorus oxychloride	PHOSPHORUS OXYCHLORIDE	10025873	10025-87-3	500	1,000	1,000			5,000
Phosphorus pentachloride	PHOSPHORUS PENTACHLORI	10026138	10026-13-8	500	500				
Phosphorus trichloride	PHOSPHORUS TRICHLORIDE	7719122	7720-78-7	1,000	1,000	1,000			15,000
Phosphoryl chloride	PHOSPHORYLCHLORIDE	10025873	10025-87-3	500	1,000	1,000			5,000
Physostigmine	PHYSOSTIGMINE	57476	57-47-6	100/10,000	100	100		P204	
Physostigmine, salicylate (1:1)	PHYSOSTIGMINE, SALICYLATE	57647	57-64-7	100/10,000	100	100		P188	
Picrotoxin	PICROTOXIN	124878	124-87-8	500/10,000	500				
Piperidine	PIPERIDINE	110894	110-89-4	1,000	1,000				15,000
Pirimifos-ethyl	PIRIMIFOS-ETHYL	23505411	23505-41-1	1,000	1,000				
Plumbane, tetramethyl-	PLUMBANETETRAMETHYL-	75741	75-74-1	100	100				10,000
Potassium arsenite	POTASSIUMARSENITE	10124502	10124-50-2	500/10,000	1	1	313c		
Potassium cyanide	POTASSIUMCYANIDE	151508	151-50-8	100	10	10	313c	P098	
Potassium silver cyanide	POTASSIUMSILVERCYANIDE	506616	506-61-6	500	1	1	313c	P099	
Promecarb	PROMECARB	2631370	2631-37-0	500/10,000	1,000	1,000		P201	

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Propanenitrile	PROPANENITRILE	107120	107-12-0	500	10	10		P101	10,000
Propanenitrile, 2-methyl-	PROPANENITRILEMETHYL-	78820	78-82-0	1,000	1,000				20,000
Propargyl bromide	PROPARGYL BROMIDE	106967	106-96-7	10	10				
2-Propenal	PROPENAL	107028	107-02-8	500	1	1	X	P003	5,000
2-Propen-1-amine	PROPENAMINE	107119	107-11-9	500	500		X		10,000
2-Propenenitrile	PROPENENITRILE	107131	107-13-1	10,000	100	100	X	U009	20,000
2-Propenenitrile, 2-methyl-	PROPENENITRILEMETHYL-	126987	126-98-7	500	1,000	1,000	X	U152	10,000
2-Propen-1-ol	PROPENOL	107186	107-18-6	1,000	100	100	X	P005	15,000
2-Propenoyl chloride	PROPENOYLCHLORIDE	814686	814-68-6	100	100				5,000
beta-Propiolactone	PROPIOLACTONE	57578	57-57-8	500	10	10	313		
Propionitrile	PROPIONITRILE	107120	107-12-0	500	10	10		P101	10,000
Propionitrile, 3-chloro-	PROPIONITRILE, 3-CHLORO-	542767	542-76-7	1,000	1,000	1,000	X	P027	
Propiophenone, 4'-amino	PROPIOPHENONE,4-AMINO	70699	70-69-9	100/10,000	100				
Propyl chloroformate	PROPYLCHLOROFORMATE	109615	109-61-5	500	500				15,000
Propyleneimine	PROPYLENEIMINE	75558	75-55-8	10,000	1	1	313	P067	10,000
Propylene oxide	PROPYLENEOXIDE	75569	75-56-9	10,000	100	100	313		10,000
Prothoate	PROTHOATE	2275185	2275-18-5	100/10,000	100				
Pyrene	PYRENE	129000	129-00-0	1,000/10,000	5,000	5,000			
Pyridine, 4-amino-	PYRIDINEAMINO-	504245	504-24-5	500/10,000	1,000	1,000		P008	
Pyridine, 3-(1-methyl-2-pyrrolidinyl)	PYRIDINEMETHYLPYRROLIDIN	54115	54-11-5	100	100	100		P075	
Pyridine, 2-methyl-5-vinyl-	PYRIDINEMETHYLVINYL-	140761	140-76-1	500	500				
Pyridine, 4-nitro-, 1-oxide	PYRIDINENITROOXIDE	1124330	1124-33-0	500/10,000	500				
Pyriminil	PYRIMINIL	53558251	53558-25-1	100/10,000	100				
Salcomine	SALCOMINE	14167181	14167-18-1	500/10,000	500				
Sarin	SARIN	107448	107-44-8	10	10				
Selenious acid	SELENIOUS ACID	7783008	7783-00-8	1,000/10,000	10	10	313c	U204	
Selenium oxychloride	SELENIUMOXYCHLORIDE	7791233	7791-23-3	500	500		313c		
Semicarbazide hydrochloride	SEMICARBAZIDE HYDROCHLO	563417	563-41-7	1,000/10,000	1,000				
Silane, (4-aminobutyl)diethoxymeth	SILANE, (4-AMINOBUTYL)DIETH	3037727	3037-72-7	1,000	1,000				
Silane, chlorotrimethyl-	SILANECHLOROTRIMETHYL-	75774	75-77-4	1,000	1,000				10,000
Silane, dichlorodimethyl-	SILANEDICHLORODIMETHYL-	75785	75-78-5	500	500				5,000
Silane, trichloromethyl-	SILANETRICHLOROMETHYL-	75796	75-79-6	500	500				5,000
Sodium arsenate	SODIUM ARSENATE	7631892	7601-54-9	1,000/10,000	1	1	313c		
Sodium arsenite	SODIUM ARSENITE	7784465	7784-46-5	500/10,000	1	1	313c		
Sodium azide (Na(N3))	SODIUM AZIDE (Na(N3))	26628228	26628-22-8	500	1,000	1,000	313	P105	
Sodium cacodylate	SODIUM CACODYLATE	124652	124-65-2	100/10,000	100				

NAME	NAMEINDEX	CAS Sort Value	CAS/313 Category Codes	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	RCRA CODE	CAA 112(r) TQ
Sodium cyanide (Na(CN))	SODIUM CYANIDE (Na(CN))	143339	143-33-9	100	10	10	313c	P106	
Sodium fluoroacetate	SODIUM FLUOROACETATE	62748	62-74-8	10/10,000	10	10	313	P058	
Sodium selenate	SODIUM SELENATE	13410010	13410-01-0	100/10,000	100		313c		
Sodium selenite	SODIUM SELENITE	10102188	10102-18-8	100/10,000	100	100	313c		
Sodium tellurite	SODIUM TELLURITE	10102202	10102-20-2	500/10,000	500				
Stannane, acetoxytriphenyl-	STANNANE,ACETOXYTRIPHEN	900958	900-95-8	500/10,000	500				
Strychnine	STRYCHNINE	57249	57-24-9	100/10,000	10	10	313c	P108	
Strychnine, sulfate	STRYCHNINE, SULFATE	60413	60-41-3	100/10,000	10	10	313c		
Sulfotep	SULFOTEP	3689245	3689-24-5	500	100	100		P109	
Sulfoxide, 3-chloropropyl octyl	SULFOXIDE, 3-CHLOROPROPY	3569571	3569-57-1	500	500				
Sulfur dioxide	SULFURDIOXIDE	7446095	7446-09-5	500	500				
Sulfur dioxide (anhydrous)	SULFURDIOXIDE	7446095	7446-09-5	500	500				5,000
Sulfur fluoride (SF4), (T-4)-	SULFURFLUORIDE (SF4), (T-4)-	7783600	7783-60-0	100	100				2,500
Sulfuric acid	SULFURICACID	7664939	7664-93-9	1,000	1,000	1,000			
Sulfuric acid (aerosol forms only)	SULFURICACID	7664939	7664-93-9	1,000	1,000	1,000	313		
Sulfur tetrafluoride	SULFURTETRAFLUORIDE	7783600	7783-60-0	100	100				2,500
Sulfur trioxide	SULFURTRIOXIDE	7446119	7446-11-9	100	100				10,000
Tabun	TABUN	77816	77-81-6	10	10				
Tellurium hexafluoride	TELLURIUM HEXAFLUORIDE	7783804	7783-80-4	100	100				
TEPP	TEPP	107493	107-49-3	100	10	10		P111	
Terbufos	TERBUFOS	13071799	13071-79-9	100	100				
Tetraethyldithiopyrophosphate	TETRAETHYLDITHIOPYROPHO	3689245	3689-24-5	500	100	100		P109	
Tetraethyl lead	TETRAETHYLLEAD	78002	78-00-2	100	10	10	313c	P110	
Tetraethyl pyrophosphate	TETRAETHYLPYROPHOSPHAT	107493	107-49-3	100	10	10		P111	
Tetraethyltin	TETRAETHYLTIN	597648	597-64-8	100	100				
Tetramethyllead	TETRAMETHYLLEAD	75741	75-74-1	100	100		313c		10,000
Tetranitromethane	TETRANITROMETHANE	509148	509-14-8	500	10	10	**313**	P112	10,000
Thallium(I) carbonate	THALLIUMCARBONATE	6533739	6533-73-9	100/10,000	100	100	313c	U215	
Thallium chloride TlCl	THALLIUMCHLORIDE TICI	7791120	7791-12-0	100/10,000	100	100	313c	U216	
Thallium sulfate	THALLIUMSULFATE	10031591	10031-59-1	100/10,000	100	100	313c		
Thallium(I) sulfate	THALLIUMSULFATE	7446186	7446-18-6	100/10,000	100	100	313c	P115	
Thallous carbonate	THALLOUS CARBONATE	6533739	6533-73-9	100/10,000	100	100	313c	U215	
Thallous chloride	THALLOUS CHLORIDE	7791120	7791-12-0	100/10,000	100	100	313c	U216	
Thallous malonate	THALLOUS MALONATE	2757188	2757-18-8	100/10,000	100				
Thallous sulfate	THALLOUS SULFATE	7446186	7446-18-6	100/10,000	100	100	313c	P115	

NAME	NAMEINDEX	CAS Sort Value	CAS/313 Category Codes	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	RCRA CODE	CAA 112(r) TQ
Thiocarbazide	THIOCARBAZIDE	2231574	2231-57-4	1,000/10,000	1,000				
Thiocyanic acid, methyl ester	THIOCYANICACIDMETHYLESTI	556649	556-64-9	10,000	10,000				20,000
Thiofanox	THIOFANOX	39196184	39196-18-4	100/10,000	100	100		P045	
Thiomethanol	THIOMETHANOL	74931	74-93-1	500	100	100	X	U153	10,000
Thionazin	THIONAZIN	297972	297-97-2	500	100	100		P040	
Thiophenol	THIOPHENOL	108985	108-98-5	500	100	100		P014	
Thiosemicarbazide	THIOSEMICARBAZIDE	79196	79-19-6	100/10,000	100	100	313	P116	
Thiourea, (2-chlorophenyl)-	THIOUREA, (2-CHLOROPHENY	5344821	5344-82-1	100/10,000	100	100		P026	
Thiourea, (2-methylphenyl)-	THIOUREA, (2-METHYLPHENYL	614788	614-78-8	500/10,000	500				
Thiourea, 1-naphthalenyl-	THIOUREANAPHTHALENYL-	86884	86-88-4	500/10,000	100	100		P072	
Titanium chloride (TiCl4) (T-4)-	TITANIUMCHLORIDE (TICL4) (T	7550450	7550-45-0	100	1,000	1,000	X		2,500
Titanium tetrachloride	TITANIUMTETRACHLOR	7550450	7550-45-0	100	1,000	1,000	313		2,500
Toluene-2,4-diisocyanate	TOLUENEDIISOCYANATEA	584849	584-84-9	500	100	100	313		10,000
Toluene-2,6-diisocyanate	TOLUENEDIISOCYANATEB	91087	91-08-7	100	100	100	313		10,000
Toxaphene	TOXAPHENE	8001352	8001-35-2	500/10,000	1	1	313	P123	
Triamiphos	TRIAMIPHOS	1031476	1031-47-6	500/10,000	500				
Triazofos	TRIAZOFOS	24017478	24017-47-8	500	500				
Trichloroacetyl chloride	TRICHLOROACETYL CHLORIDI	76028	76-02-8	500	500		313		
Trichloro(chloromethyl)silane	TRICHLOROCHLOROMETHYL)S	1558254	1558-25-4	100	100				
Trichloro(dichlorophenyl)silane	TRICHLORODICHLOROPHENYI	27137855	27137-85-5	500	500				
Trichloroethylsilane	TRICHLOROETHYLSILANE	115219	115-21-9	500	500				
Trichloromethanesulfenyl chloride	TRICHLOROMETHANESULFEN	594423	594-42-3	500	100	100	X		10,000
Trichloronate	TRICHLORONATE	327980	327-98-0	500	500				
Trichlorophenylsilane	TRICHLOROPHENYLSILANE	98135	98-13-5	500	500				
Triethoxysilane	TRIETHOXYSILANE	998301	998-30-1	500	500				
Trimethylchlorosilane	TRIMETHYLCHLOROSILANE	75774	75-77-4	1,000	1,000				10,000
Trimethylolpropane phosphite	TRIMETHYLOLPROPANE PHOS	824113	824-11-3	100/10,000	100				
Trimethyltin chloride	TRIMETHYLTIN CHLORIDE	1066451	1066-45-1	500/10,000	500				
Triphenyltin chloride	TRIPHENYLTIN CHLORIDE	639587	639-58-7	500/10,000	500		313		
Tris(2-chloroethyl)amine	TRIS(2-CHLOROETHYL)AMINE	555771	555-77-1	100	100				
Valinomycin	VALINOMYCIN	2001958	2001-95-8	1,000/10,000	1,000				
Vanadium pentoxide	VANADIUM PENTOXIDE	1314621	1314-62-1	100/10,000	1,000	1,000	313c	P120	
Vinyl acetate	VINYLACETATE	108054	108-05-4	1,000	5,000	5,000	313		15,000
Vinyl acetate monomer	VINYLACETATEMONOMER	108054	108-05-4	1,000	5,000	5,000	X		15,000
Warfarin	WARFARIN	81812	81-81-2	500/10,000	100	100	X 313c	P001	
Warfarin sodium	WARFARIN SODIUM	129066	129-06-6	100/10,000	100	100	313c		

NAME	NAMEINDEX	CAS Sort Value	CAS/313 Category Codes	Section 302 (EHS) TPQ	Section 304 EHS RQ	CERCLA RQ	Section 313	RCRA CODE	CAA 112(r) TQ
Xylylene dichloride	XYLYLENE DICHLORIDE	28347139	28347-13-9	100/10,000	100				
Zinc, dichloro(4,4-dimethyl-5((((me	ZINCDICHLORO(4,4-DIMETHYL	58270089	58270-08-9	100/10,000	100		313c		
Zinc phosphide	ZINCPHOSPHIDE	1314847	1314-84-7	500	100	100	313c	P122	
Zinc phosphide (conc. <= 10%)	ZINCPHOSPHIDE	1314847	1314-84-7	500	100	100	313c	U249	
Zinc phosphide (conc. > 10%)	ZINCPHOSPHIDE	1314847	1314-84-7	500	100	100	313c	P122	

"Serving Our Commonwealth"

KYEM

2016
KERC / LEPC
Calendar of Events

Program Notes:

- Module 1:"LEPCs in Kentucky"
- Module 2: LEPC Grant Application
- Module 3: Emergency Response Planning Guide for EHS Facilities
- Module 4: Tier2 / EHS Plan Validation Exercise

Purpose (KERC LEPC Calendar):

This document is designed to provide LEPC members with a timeline of the grant requirements found in EPCRA, KRS, and KAR. It will also serve as a valuable tool in planning yearly LEPC meetings and Exercises. Tentative dates for the KERC meeting have been included. All LEPC Chairs are welcome to attend and encouraged to contact the KERC Program Manager to schedule agenda time for presentations regarding current LEPC events, issues, requests, and general updates of activities.

Target Audience (KERC LEPC Calendar):

The target audience for this document is any private citizen with an interest in community awareness and emergency preparedness and current members of an LEPC. Specifically, the Chair, the Vice-Chair, the Treasurer, and persons whose role with the LEPC typically includes the responsibility to complete any/all of the following forms and documents:

- Annual Certification Letter
- Detailed Budget
- Grant Application
- Grant Ledger
- Membership Cover Page
- Personal Property Inventory
- Public Legal Notice

~ January 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1) No later than <u>January 31</u> publish public information on committee activities entitled "Public (Legal) Notice Advertisement". 2)					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Publish "Public (Legal) Notice Advertisement"

Notes: LEPCs must meet at least twice per year (once if no EHSs in district)

~ February 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28 Submit photocopy of published "Public Notice"	29	1) No later than <u>February 28</u> submit to the KERC a photocopy of the "Public (Legal) Notice Advertisement" published, clearly showing the name and date of the newspaper.				

~ March 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Facilities must submit by <u>March 1</u>: 1) Tier2 Reports 2) Facility Annual Certification Letter (FACL)		1 Facility Deadline: Tier2 Report and FACL	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	Notes - FACL must state: 1) there were no changes to EHS Plan; or 2) EHS Plan has been revised and the revisions are included with the FACL	

~ April 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Notes: No later than April 1st: 1) Review EHS Facility plans and send an ACL to the KYEM AM stating: a. that there were no changes; or b. plan has been revised and the revisions are included with the ACL 2) Submit Grant Application to the KYEM AM 3) Submit documentation of expenditures, including LEPC Bank Ledger					1 Submit: ACL and EHS Plans, Grant App, & Expenditures	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

~ May 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	Notes:			

~ June 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Notes: No later than June 1 submit detailed budget to the KERC or designee, identifying how the funds requested on the Grant Application are to be spent.			1 Submit Detailed Budget	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	Notes:	

~ July 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Notes:					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	Notes:					

~ August 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	Notes:		

~ September 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Notes: No later than <u>September 15</u> the KERC will make the grant awards.				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15 KERC makes Grant Award Payments	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	Notes:

~ October 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Notes:						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	Notes:				

~ November 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Notes:		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	Notes:		

~ December 2016 ~

Sun	Mon	Tue	Wed	Thu	Fri	Sat
No later than <u>December 1</u> submit to the KERC: 1) Updated membership list and cover page 2) Bylaws, with certification stating: a. There were no changes; or b. They have been revised and the revisions are included 3) Personal Property Inventory for all items valued > $500.00				1 Submit: Member list w/ cover page, Bylaws, Property Inventory	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Please do not hesitate to contact any of the KYEM Staff if you have any questions:

HAZMAT Program Coordinator
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Kentucky Emergency Management (KYEM)
Boone Center National Guard
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kentuckyserc@gmail.com

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EHS Facility Plan # -_xxx_ (COVERED FACILITY NAME)

FACILITY NAME		FACILITY EMERGENCY COORDINATOR (FEC)		COMMUNICATIONS	
(Facility Name)		Name:		Office#	
(Street Address)		Title:		FAX #	
				Home #	
(City, State & Zip)				R.Freq.	
				Cell #	
(Latitude / Longitude)				Pager #	
				Email	
		ALTERNATE FACILITY COORDINATOR (FEC)			
		Name:		Office #	
		Title:		FAX #	
				Home #	
				R.Freq.	
				Cell #	
				Pager #	
				Email	

HAZARDOUS CHEMICAL(S)

NAME	UN ID # CAS #	FORM	PACKAGED CONTAINER	MAXIMUM QUANTITY	HEALTH HAZARD

SKETCH OF FACILITY AND STORAGE AREAS:

FACILITY RESPONSE POINT (RP) AND DIRECTIONS – Alternate RP:

STAGING AREA – Alternate Staging Area:

TRANSPORTATION ROUTES AND MODES OF TRANSPORTATION:

EHS SUPPLIER INFORMATION

WORST CREDIBLE RELEASE:

VULNERABLE ZONE & QUADRANT MAP:

SPECIAL FACILITIES, CONTACT INFORMATION, & TOTAL POPULATION:

PROTECTIVE ACTIONS: (SIP/EXIT SIP AND/OR EVACUATION/RE-ENTRY)

EMERGENCY EQUIPMENT ON-HAND/TRAINING/EXERCISING:

MEDICAL CAPABILITIES:

SPILL CONTAINMENT / CLEAN-UP / DISPOSAL:

EMERGENCY NOTIFICATION:

EMERGENCY NOTIFICATION LIST TEMPLATE			
Local 24-hr. Warning Number (LEPC)			- -
State 24-hour warning point for HAZMAT Spill Notification			1-800-255-2587
Local Emergency Planning Committee Chair	- -	or	- -
Kentucky Emergency Response Commission (KERC)			502-607-1682
Community HAZMAT Coordinator (Day)	- -	or	- -
(Night)	- -	or	- -
Alternate HAZMAT Coordinator (Day)	- -	or	- -
(Night)	- -	or	- -
	Local Fire Dept.		- -
	Local Police Dept.		- -
Local EM Director (Day)	- -	or	- -
(Night)	- -	or	- -
Rescue	- -	or	- -
Ambulance	- -	or	- -
KYEM Area Manager (AM)		(O)	- -
		(H)	- -
Kentucky Department for Environmental Protection (KY-DEP)			502-564-2380
24 Hour Hotline			1-800-928-2380
National Response Center (NRC)			1-800-424-8802
U. S. Environmental Protection Agency (EPA) Hotline			1-800-424-9346
10:00 a.m. – 3:00 p.m. EST, Mon. – Thurs.			
State Fire Marshal			502-573-0382
CHEMTREC			1-800-424-9300
Kentucky State Police			502-782-1800
*****ALL Special Facilities Located within the Vulnerable Zone*****			

Note: There are two tables in this document. To make document visually more aesthetic you may hide individual cell lines: hover mouse over small directional arrows at the top left-hand corner of each table, right click, select “borders and shading, select all, and click OK.

LEPC Annual Certification Letter (ACL)

Due Date: No later than April 1st each year, the LEPC shall review all EHS Facility Emergency Response plans and submit an Annual Certification Letter (ACL) to the KYEM AM stating that there were no changes and therefore the plan is correct as is; or the plan has been revised and the revisions are included with the ACL.

County: *Type County Name*
KYEM Region: *Type KYEM Area #*

Our Local Emergency Planning Committee (LEPC) has reviewed all existing EHS Facility Emergency Response Plans (TAB Q-7's). Based on this review, which includes information that was received from covered facilities by March 1, for the previous calendar year, the LEPC has created new and/or finds changes (have or have not) occurred to the content of these EHS Facility Emergency Response Plans since last submitting an ACL. Enclosed with this ACL are the new or revised EHS Facility Emergency Response Plans, with their required EHS Facility Plan Checklists.

The following is a complete listing of all EHS Facility Plans that have been reviewed by the LEPC as of April 1 and a designation of their current status:

		SEE INSTRUCTIONS	Y/N/NA	Y/N/NA	mm/dd/yyyy
Plan Number	**Facility Name**	**Status**	**Share Point**	**Check List**	**KERC Approval Date**

Type # Number of KERC Approved EHS Facility Emergency Response Plans in the planning district.

LEPC's must submit with their ACL a complete plan, highlighting revisions, along with a EHS Facility Plan Checklist for all plans with status listed as: "New" or "Technical Change".

LEPC's must submit a complete plan along with a Ehs Facility Plan Checklist for all plans with status listed as "Under Development" within 60 days of notification that the facility has an EHS in excess of the TPQ.

Certification: I, the undersigned, certify to the Kentucky Emergency Response Commission (KERC) that all the information is true and accurate.

Type LEPC Chair name
Chair
Local Emergency Planning Committee

Type date
Date

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LEPC - EHS Facility Emergency Response Plan CHECKLIST

FACILITY Plan #	LEPC		AM		KERC	
	Y	N	Y	N	Y	N
ADMINISTRATIVE INFORMATION						
Section 1: General						
1. Are the page numbers in the footer?						
Section 2: Sketch / Facility Map						
1. Is a sketch of the facility and storage areas included?						
2. Is sketch of the facility and storage areas legible?						
3. Does sketch show directional arrow?						
4. Does sketch show location of all EHSs?						
5. Does sketch show facility access road?						
Section 3: Response Point / Staging Area and Alternatives						
1. Is the facility response point (RP) identified, including directions to area?						
2. Is the staging area identified, including directions to area?						
Section 4: Transportation Modes and Routes						
1. Are primary modes and routes of transportation (from the county line to the facility) identified?						
2. Are EHS Supplier's company name, POC info, & phone# identified?						
Section 5: Quadrant Map						
1. Is a Quadrant Map identifying a Vulnerable Zone (VZ) provided?						
2. Is the location of the facility and, if space permits, all special facilities identified on the Quadrant Map?						
3. Is the scale of the Quadrant Map identified?						
4. Is the VZ based on the Worst Credible Release?						
5. Is the radius of the Vulnerable Zone identified on the Quadrant Map?						
6. Is the procedure used to select the radius of the VZ identified?						
7. Is the type and quantity of chemical used to determine the VZ identified?						
8. Is the Quadrant Map divided into four quadrants labeled as A,B,C,D with A in the northeast quadrant with the letters increasing clockwise?						
9. Is the total population for each quadrant listed on the Quadrant Map?						
10. Are the types and quantities of EHS chemicals stored on site the same as last year?						
11. Is the radius of the vulnerable zone the same as last year?						
A. If the radius has changed…						
i. Has a new radius drawing been provided?						
ii. Are changes to affected Special Facilities and associated populations shown on the drawing and/or provided in the Plan?						
3. Are the staging and response points, including alternates, the same as last year?						
A. If a staging and/or response point has changed…						
i. Has a new radius drawing been provided?						
ii. Are changes to affected Special Facilities and associated populations shown on the drawing and/or provided in the Plan?						

LEPC - EHS Facility Emergency Response Plan CHECKLIST

FACILITY Plan #	LEPC		AM		KERC	
	Y	N	Y	N	Y	N
Section 6: Protective Actions						
1. At a minimum, are the protective actions **Shelter-In-Place (SIP)** and **Evacuation** of off-site populations discussed?						
2. Are procedures for alerting/warning the public provided?						
3. Are officials who may authorize Exit SIP and reentry of an evacuated area identified?						
Section 7: Emergency Equipment: On Hand / Training / Exercising						
1. Does the plan describe the emergency response equipment available at the facility?						
2. Does the plan describe the emergency response equipment available in the community?						
3. Does the plan describe training level(s) of facility response personnel?						
4. Does the plan describe training level(s) of community response personnel?						
5. Does the plan discuss the facility's exercise program?						
6. Does the plan discuss the community's exercise program?						
7. Does the plan contain a statement of the capability of the area medical facilities to decontaminate and provide care to victims?						
Section 8: Spill Containment/Clean-Up/Disposal						
1. Are procedures provided for containment of released substance?						
2. Are procedures provided for clean-up of released substance?						
3. Does the facility provide released substance disposal procedures?						
4. Does the plan, if required, contain provisions for recycling or the development of an EEC approved disposal plan?						
Section 9: Emergency Notification						
1. Does the plan include procedures to notify ALL organizations identified on the Emergency Notification List Template?						
2. Does the plan include procedures to notify ALL Special Facilities identified within the Vulnerable Zone?						
3. Does the plan include a Special Facility Contact List with facility name, POC info, and phone # for each Special Facility?						

Section 10: GENERAL COMMENTS:

Section 10: REVIEWED AND APPROVED BY

Name of County LEPC:	**DATE:**
Signature of LEPC Chair:	**DATE:**
Signature of KYEM Area Manager:	**DATE:**
Signature of KERC Committee Chair:	**DATE:**

Active Local Emergency Planning Committee Checklist

1. Identification of Hazards		
YES	NO	a) Our LEPC has identified facilities with extremely hazardous substances.
YES	NO	b) Our LEPC has identified facilities with hazardous chemicals.
YES	NO	c) Our LEPC has identified major transportation routes for extremely hazardous substances.
YES	NO	d) Our LEPC has identified other facilities contributing to or subjected to risk that are in close proximity to those facilities with extremely hazardous substances or hazardous chemicals.
2. Approved EHS Plan within the County Emergency Operations Plan		
YES	NO	a) Our LEPC has included emergency response information for those facilities identified above in our County Emergency Operations Plan.
YES	NO	b) Our LEPC has included emergency response methods and procedures of first responders into our County Emergency Operations Plan.
YES	NO	c) Our LEPC has included emergency response measures used by medical personnel in our County Emergency Operations Plan.
YES	NO	d) Our LEPC has identified emergency equipment available in the community and at the facilities identified above, as well as the persons responsible for them, and has included this information in our County Emergency Operations Plan.
YES	NO	e) Our LEPC has established plans for shelter-In-place or evacuation. It has established early warning systems and has identified emergency shelters. This information has been included in the County Emergency Operations Plan.
YES	NO	f) Our LEPC has identified emergency coordinators within the community and at facilities having extremely hazardous substances that will be responsible for implementing the County Emergency Operations Plan. This information is included in our County Emergency Operations Plan.
3. Implementing the Local Emergency Plan		
YES	NO	a) Our LEPC has established notification procedures by which facility coordinators, identified in 2f, will notify first responders in the event of an extremely hazardous substance emergency.
YES	NO	b) Our LEPC has established notification procedures by which the public will be notified in the event of an extremely hazardous substance emergency.
YES	NO	c) The County Emergency Operations Plan describes the incident command system to be used in responding to hazardous chemical emergencies.

Active Local Emergency Planning Committee Checklist

4. Hazard Analysis		
YES	NO	a) Our LEPC has established a process to identify and record releases of extremely hazardous substances.
YES	NO	b) Our LEPC has established a process to determine the level of risk if extremely hazardous substances are involved in an accident.
YES	NO	c) Our LEPC has established a process to determine the areas and populations that will be affected in the event that extremely hazardous substances are released.
5. Emergency Response Exercises		
YES	NO	a) Our LEPC has developed emergency response drills and exercises to evaluate the effectiveness of our County Emergency Operations Plan.
YES	NO	b) Our LEPC has established a schedule to regularly conduct drills and emergency response exercises.
6. LEPC Organizational Maintenance		
YES	NO	a) Our LEPC regularly schedules, announces, and holds meetings. (Twice a year if EHS present in county)
YES	NO	b) Our LEPC annually reviews, and revises if necessary, EHS Facility Plans.
YES	NO	c) Our LEPC regularly conducts exercises and tests emergency procedures.
YES	NO	d) Our LEPC has developed procedures for responding to inquiries concerning extremely hazardous substances in the community.
YES	NO	e) Our LEPC regularly submits documentation required to comply with KERC grant guidelines.
7. Facility Compliance		
YES	NO	a) Our LEPC actively seeks to increase the number of facilities in our community that must annually report extremely hazardous substances or hazardous chemicals. (EHS Plans, Tier2's, & MSDS's)
YES	NO	b) Our LEPC regularly contacts each reporting facility to promote better understanding of EPCRA requirements by the facility owner or operator.
YES	NO	c) Our LEPC provides both basic and detailed EPCRA information to new businesses.
8. Public Awareness		
YES	NO	a) Our LEPC develops articles about EPCRA and prints a "Public (Legal) Notice Advertisement" for local news releases.
YES	NO	b) Our LEPC provides public service announcements concerning EPCRA to local radio and television stations.

Appendix A:
KERC - LEPC Acronym List

ACL	----------	Annual Certification Letter
ACPH	----------	Air Change per Hour
AM	----------	Area Manager
AN	----------	Ammonium Nitrate
ATSDR:	----------	Agency for Toxic Substances and Disease Registry
CAA	----------	Clean Air Act
CAMEO	----------	Computer Aided Management for Emergency Operations
CAS #:	----------	Chemical Abstract Service
CERC	----------	Commonwealth Emergency Response Commission - now called KERC
CERCLA	----------	Comprehensive Environmental Response, Compensation, and Liability Act
CFATS	----------	Chemical Facility Anti-Terrorism Standards
CFR	----------	Code of Federal Regulations
CSB	----------	Chemical Safety Board
DES	----------	Disaster and Emergency Services
DHS	----------	Department of Homeland Security
DOT	----------	Department of Transportation
EEC	----------	Energy and Environment Cabinet
EHS	----------	Extremely Hazardous Substance
EMA	----------	Emergency Management Agency
EMS:	----------	Emergency Medical Service
EOC:	----------	Emergency Operations Center
EOP	----------	Emergency Operations Plan
EPA	----------	Environmental Protection Agency
E&PPC	----------	Environmental & Public Protection Cabinet
EPCRA	----------	Emergency Planning and Community Right-to-Know Act
ERG	----------	Emergency Response Guidebook
ERIL:	----------	Emergency Resource Inventory List
ERT:	----------	Environmental Response Team
FACL	----------	Vfacility Annual Certification Letter
FCC:	----------	Federal Communications Commission
FDA	----------	Food and Drug administration
FEMA:	----------	Federal Emergency Management Agency
FERC	----------	Facility Emergency Response Coordinator
GIS	----------	Geographic Information Systems
GPS	----------	Global Positioning System
HAZMAT	----------	Hazardous Materials
HMEP	----------	Hazardous Materials Emergency Preparedness
HSC:	----------	Highway Safety Commission
KAR	----------	Kentucky Administrative Regulations
KCTCS:	----------	Kentucky Community and Technical College System
KERC	----------	Kentucky Emergency Response Commission
KRS	----------	Kentucky Revised Statutes
KY DEP	----------	Kentucky Department of Environmental Protection
KYEM	----------	Kentucky Emergency Management
LEPC	----------	Local Emergency Planning Committee
Lat/Long	----------	Latitude and Longitude
LOC:	----------	Level of Concern
LoL	----------	List of Lists
MIC	----------	Methyl Isocyanate
MSDS	----------	Material Safety Data Sheets (now known as SDS)

Appendix A:
KERC - LEPC Acronym List

NASTTPO	----------	National Association of SARA Title II Program Officers
NFPA	----------	National Fire Protection Association
NIMS:	----------	National Incident Management System
NOAA	----------	National Oceanic and Atmospheric Administration
NRC	----------	National Response Center
NREPC:	----------	Natural Resources and Environmental Protection Cabinet
OSHA	----------	Occupational Safety and Health Administration
PHMSA	----------	Pipeline and Hazardous Materials Safety Administration
RMP:	----------	Risk Management Plan
RP:	----------	Response Point
RQ	----------	Reportable Quantity
SARA	----------	Superfund Amendments and Reauthorization Act
SCBA	----------	Self-Contained Breathing Apparatus
SDS	----------	Safety Data Sheets (formerly MSDS)
SERC	----------	State Emergency Response Commission - Known in KY as KERC
SIC	----------	Standard Industrial Classification
SIP	----------	Shelter-In-Place
TAB Q-7:	----------	Former name for an EHS Facility Emergency Response Plan in KY
Tier2	----------	Tier2 Report
TPQ	----------	Threshold Planning Quantity
TRI	----------	Toxic Release Inventory
UN ID#:	----------	United Nations Identification Number
USC:	----------	United States Code
USCG:	----------	United States Coast Guard
USEPA:	----------	United States Environmental Protection Agency
UST	----------	Underground Storage Tanks
VZ:	----------	Vulnerable Zone

Example: GENERIC EHS Facility Emergency Response Plan (Formerly TAB Q-7)

Plan Number: 114-025 XYZ Treatment Plant

FACILITY NAME	FAC EMERG COORD (FEC)	COMMUNICATIONS
The XYZ Treatment Plant 908 Industrial Way Bowling Green, KY 42103	Rich Lester Title: Branch MNGR	Office# 270-555-6432 Cell #: 270-555-7630 Fax #: 270-550-9894 Email: Rich@XYZ.com

ALTERNATE FAC EMERG COORD (FEC)

Jeremy Quest Title: Asst. Mgr.	Office #: 270-783-3058 Cell #: 270-791-6871 Fax #: 270-780-9894 Email: Jeremy@XYZ.com

HAZARDOUS CHEMICAL (S)

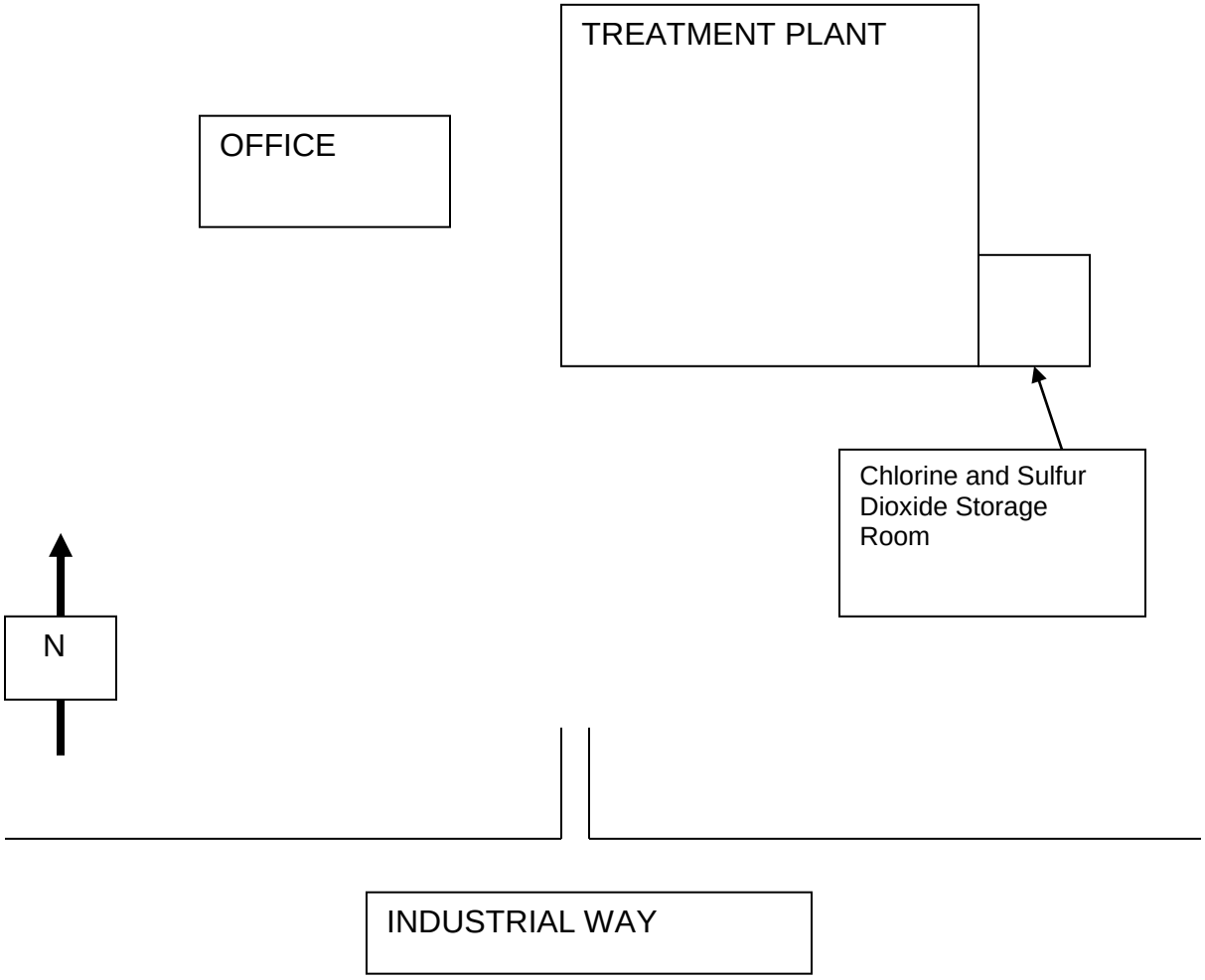
NAME	UN ID# CAS #	FORM	PACKAGED CONTAINER	MAXIMUM QUANTITY	HEALTH HAZARD
Chlorine	1017 7782-50-5	Liquid/ Gas	2000 lb & 150 lb cylinder	15,000 lb	Toxic

HEALTH HAZARD: **TOXIC; may be fatal if inhaled or absorbed through the skin.** Fire will produce irritating, corrosive, and/or toxic gases. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Runoff from fire may cause pollution. (2004 Emergency Response Guide)

NAME	UN ID# CAS #	FORM	PACKAGED CONTAINER	MAXIMUM QUANTITY	HEALTH HAZARD
Sulfur Dioxide	1079 7446-09-5	Gas	150 lb Cylinders	2400 lb	Toxic

*HEALTH HAZARD: **TOXIC; may be fatal if inhaled, ingested or absorbed through the skin.** Vapors are extremely irritating and corrosive. Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite. Fire will produce irritating, corrosive and/or toxic gases. Runoff from fire control may cause pollution. (2004 Emergency Response Guide).

SKETCH OF FACILITY AND STORAGE AREAS



Example: GENERIC EHS Facility Emergency Response Plan (Formerly TAB Q-7)

FACILITY RESPONSE POINT (RP) AND DIRECTIONS: Due to the toxic nature of this chemical and based on the prevailing winds from the southwest to the northeast, the response point will be in the parking lot of the Knights of Columbus building at 1700 Production Blvd. An immediate assessment will need to be made of wind direction to determine if a change of Response Point needs to be made.

STAGING AREA: Two staging areas have been set depending on wind direction. Staging Area 1 is at the intersection of Airway Court and Searcy Way. Staging Area 2 is in the parking lot of J. C. Kirby Funeral Home at 300 Production Court. All secondary responders will check with initial response team to determine the proper staging area.

TRANSPORTATION ROUTES AND MODES OF TRANSPORTATION

Supplier: UNIVAR 1-800-947-9264
4600 Dues Dr.
Cincinnati, OH 45246

Modes of Transport: Transported by Flat bed truck

Routes: Interstate I-65 to Exit 26, then rt. 800 (Lovers Lane) to Industrial Way

Handling: Cylinders are moved from truck to storage via fork lift.

Frequent Shipping: Monthly

SPECIAL FACILITIES LIKELY TO BE AFFECTED BY A RELEASE:

Using Cameo V1.1.2 a 3.1 mile radius was determined for the vulnerable zone based on a 2000 pound release of chlorine in an urban setting with wind speed of 3.4 miles per hour.

QUADRANT A. Total Population 2,000

#	FACILITY	CONTACT	PHONE #
A1.	Warren County School Board	J. Almond	270-555-5150
A2.	Spiro Kereiakes Park	R. Walnut	270-555-0000
A3.	Academy for Little People	B. Chesnut	270-555-5437
A4.	Northside Free Will Day Care	C. Macadamia	270-555-3579
A5.	Indian Hills Country Club	B. Cashew	270-555-8256
A6.	Rivendell	P. Peanut	270-555-1199
A7.	Northgate Shopping Center	Manager	270-555-0587
A8.	American Sunroof (124)	B. Bop	270-555-0590
A9.	Kids World Child Care	T. Tamarind	270-555-5500

QUADRANT B. Total Population 3,500

#	FACILITY	CONTACT	PHONE #
B1.	Cumberland Trace Elementary	Bob Smith	270-555-1356
B2.	Greenwood High School	Jane Doe	270-555-3627
B3.	Fruit of the Loom Headquarters	John James	270-555-6400
B4.	Fruit of the Loom Dist. Center	Pan T. Waist	270-555-0070

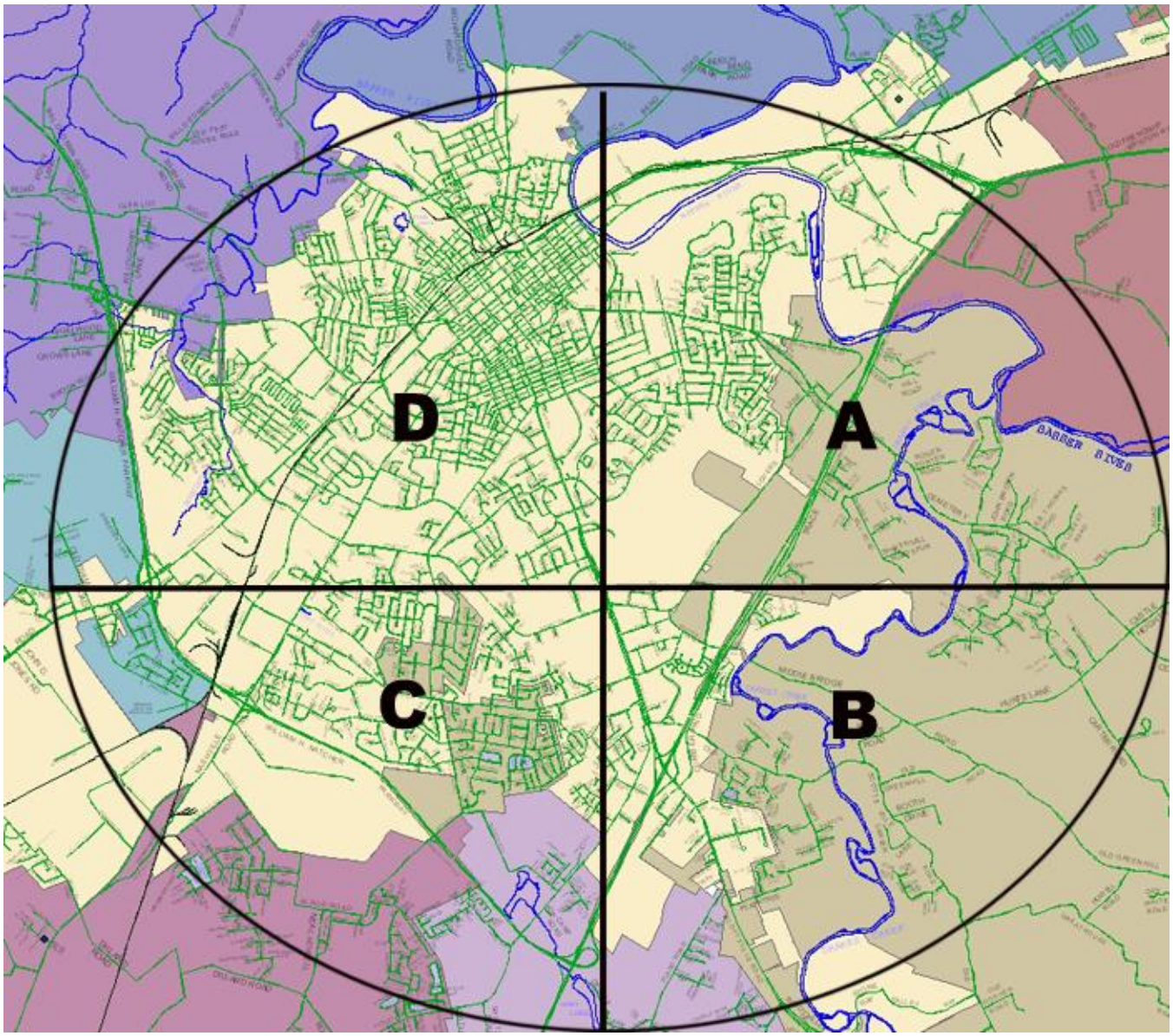
QUADRANT C. Total Population 2,500

#	FACILITY	CONTACT	PHONE #
C1.	University Church of Christ	B. Good	270-555-8804
C2.	Anchored Christian School	P. Eye	270-555-9077
C3.	Lost River Elementary	W. Robinson	270-555-0334
C4.	Drakes Creek Middle School	H. Finn	270-555-0165
C5.	Scottsville Road Baptist Day Care	O. Roberts	270-555-0109
C6.	B.G. Retirement Village	O.L. Mann	270-555-5433
C7.	Western KY Ag Center	I.M. Pigg	270-555-3542

QUADRANT D. Total Population 2,000

#	FACILITY	CONTACT	PHONE#
D1.	Reservoir Park Health	G. Gate	270-555-1400
D2.	B.G. Parks & Recreation	B. Links	270-555-3249
D3.	Parker Bennett Community Center	P. Bennett	270-555-3310
D4.	Urgent Care	A. Sap	270-555-3910
D5.	Airport Fire Station	W. Hose	270-555-5608

QUADRANT MAP
Radius of Vulnerable Zone = 3.1 miles



N
W — E
S

Scale: 1 inch=1 mile

If the number of Special Facilities is limited enough place them on the map.

PROTECTIVE ACTIONS: In Place Sheltering may be directed by local officials following consultation with EM personnel, BGFD and other technically qualified authorities. This option may be chosen if the release is expected to be of short duration and the concentration is not judged to be extremely hazardous, because of inclement weather, or there is not enough time to safely evacuate the threatened area. Citizens will be advised to go indoors, close all windows and vents to the outside of the building, turn off all air conditioners and fans and to fill cracks where the outside air may enter. Evacuation areas of off-site population will be determined by wind direction and directed by the Incident Commander. Offsite population will be warned by "The Communicator", Community Outdoor Warning System (COWS) or the Community Alert Live Voice Emergency System (CALVES). If a release occurs, on site personnel will be evacuated to a shelter designated by company management. Evacuation of the area will be conducted in conformance with Annex EE of the Warren County Emergency Operations Plan. Reentry to the evacuated area may be authorized by the Incident Commander with consultation with local officials and/or EM personnel at the scene.

The Bowling Green Fire Department will handle all decontamination of on-site and off-site personnel. The Medical Center Ambulance Service will handle all patient/medical care and assist in the decontamination process.

EMERGENCY EQUIPMENT ON HAND/TRAINING/EXERCISING: XYZ Treatment Plant personnel have Air Packs available and annual training is conducted for all employees on self contained breathing apparatus. Chlorine emergency repair Kit "B" for 1 ton cylinders and containment packs for 150lb. cylinders will be available and proper training of their use will be conducted for all employees.

The Bowling Green Fire Department personnel are trained to Technician Level for Hazardous Materials response. Other emergency response personnel of the city and county receive on-going training including annual refresher training in OSHA response standards and other relevant hazardous material training. See Emergency Resource Inventory Listing page ERIL-K-1 in the Warren County Emergency Operations Plan.

The personnel of XYZ Treatment Plant will participate annually in any exercise conducted by the Bowling Green Fire Department, Emergency Management, Bowling Green Warren County Emergency Planning Committee and other departments.

SPILL CONTAINMENT/CLEAN-UP/DISPOSAL: Chlorine can be absorbed in alkaline solution- **DO NOT PUT WATER ON CHLORINE LEAK**. Common solutions are caustic soda or soda ash. One ton cylinder requires 2,500 Lbs. caustic soda mixed with 800 gallons of water, or 6,000 Lbs of soda ash mixed with 2,000 gal. A water spray may be directed at the vapors, not the point of leak, to reduce vapors and maintain the Chlorine cloud to as small of an area as possible. Disposal will be accomplished by the facility and local emergency response/cleanup personnel developing procedures that must be approved by the Kentucky Environmental and Public Protection Cabinet.

EMERGENCY NOTIFICATION

Local 24 hr. warning number (LEPC)			911or 270-393-4000
State 24-Hr warning point for HAZMAT Spill Notification			800-255-2587
Community HAZMAT Coordinator		**Day**	270-393-3608
		Night	270-393-1234
Alt. HAZMAT Coordinator		**Day**	270-393-4244
		Night	270-393-1234
Bowling Green Fire Department			911or 270-393-3608
Warren County Sheriff's Office			270-842-1633
Emergency Management Director	**Day**	(**O**)	270-781-8776
	Night	(**H**)	270-843-1852
Local Emergency Planning Committee Chair			270-846-2488
BG/Warren Co. Rescue			270-783-3030
Medical Center Ambulance			911or 270-745-1204
KY Emergency Response Commission (KERC)			502-607-1682
Kentucky EM Area Manager		(**O**)	270-746-7843
		(**E**)	1-800-255-2587
KY Department for Environmental Protection (KY-DEP)			502-564-2380
(24 Hour Hotline)			1-800-928-2380
National Response Center (NRC)			1-800-424-8802
U.S. Environmental Protection Agency (EPA) Hotline			800-424-9346
State Fire Marshall			502-573-0382
(24 Hours)			1-800-255-2587
Chemtrec			1-800-424-9300
Kentucky State Police			502-782-1800

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Kentucky General Assembly Membership 1900-2005

Vol. I 1900 - 1949

Prepared by

LRC Staff

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Foreword

This two-volume publication is a reference guide to the men and women who have served in the Kentucky legislature since 1900. Members are listed in alphabetical order and by county for the 56 regular sessions from 1900-2005. Volume I contains data for members who served from 1900-1949; volume II includes members who served from 1950-2005. Each volume has tables that identify House and Senate leadership for the sessions noted, Senate and House district maps for each session, and information on the evolution of some of the constitutional provisions relating to the legislature.

This publication includes most, but not all, persons elected to the legislature. It only documents service in regular and extraordinary sessions of the General Assembly. It omits members who served only partial terms that did not include legislative sessions following their predecessors' deaths or resignations.

Legislative districts are coded H001 through H100 for members of the House and S001 to S038 for members of the Senate. Members who represented more than one district due to redistricting or who served in both chambers have an entry for each district they represented.

A map of Kentucky counties and a key to codes denoting party affiliation, year of birth, sex, race, occupation, home county, and leadership service are provided in the appendix to each volume. This document omits any biographical data that was not available.

This publication presents information from the *House Journal,* the *Senate Journal*, the *Official Manual of Kentucky,* and other sources. The LRC library, the Kentucky Historical Society, and the Kentucky Division of Archives and Records provided information for this publication.

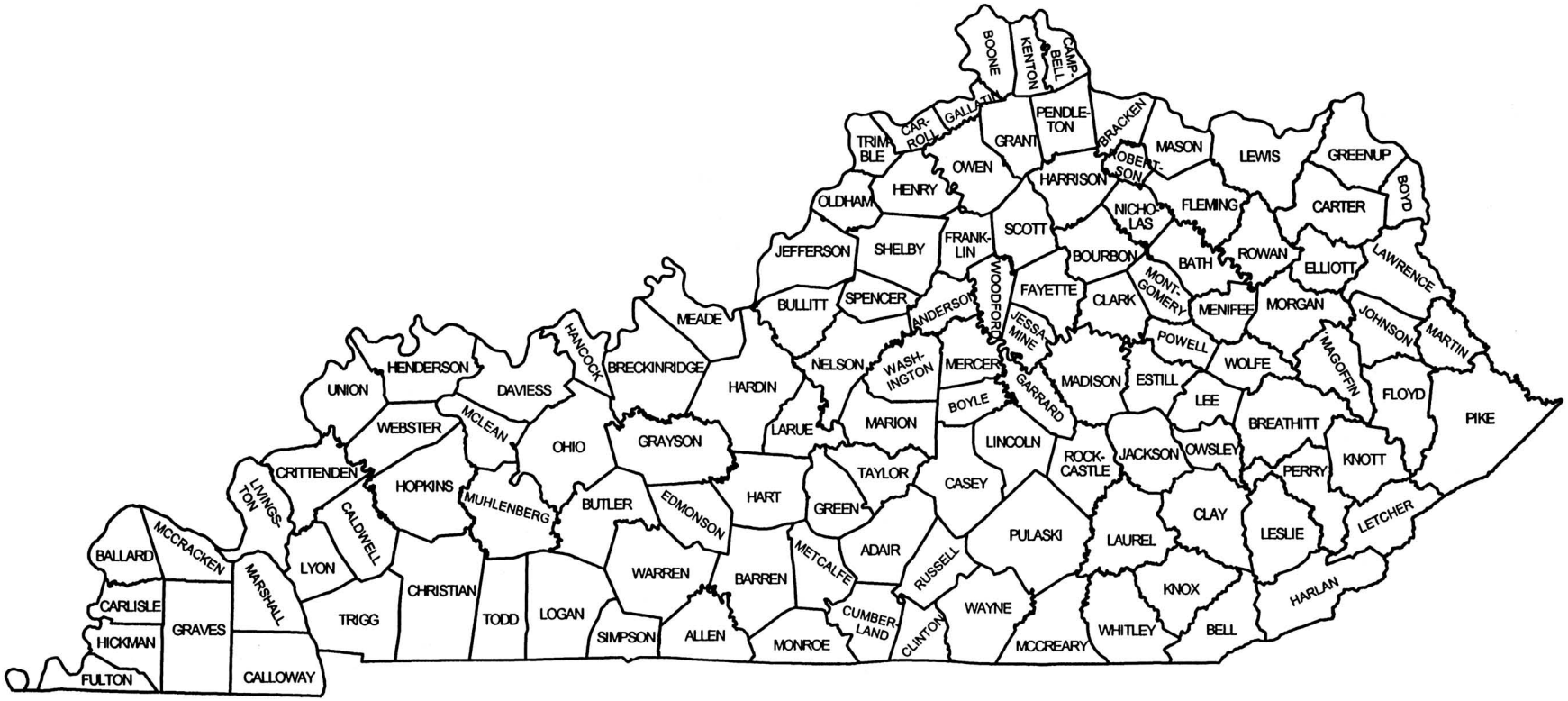
Robert Sherman
Director

Frankfort, Kentucky
April 2005

Codes
for
Kentucky Counties

County #	County	County #	County	County #	County	County #	County
001	Adair	031	Edmonson	061	Knox	091	Nicholas
002	Allen	032	Elliott	062	Larue	092	Ohio
003	Anderson	033	Estill	063	Laurel	093	Oldham
004	Ballard	034	Fayette	064	Lawrence	094	Owen
005	Barren	035	Fleming	065	Lee	095	Owsley
006	Bath	036	Floyd	066	Leslie	096	Pendleton
007	Bell	037	Franklin	067	Letcher	097	Perry
008	Boone	038	Fulton	068	Lewis	098	Pike
009	Bourbon	039	Gallatin	069	Lincoln	099	Powell
010	Boyd	040	Garrard	070	Livingston	100	Pulaski
011	Boyle	041	Grant	071	Logan	101	Robertson
012	Bracken	042	Graves	072	Lyon	102	Rockcastle
013	Breathitt	043	Grayson	073	Madison	103	Rowan
014	Breckinridge	044	Green	074	Magoffin	104	Russell
015	Bullitt	045	Greenup	075	Marion	105	Scott
016	Butler	046	Hancock	076	Marshall	106	Shelby
017	Caldwell	047	Hardin	077	Martin	107	Simpson
018	Calloway	048	Harlan	078	Mason	108	Spencer
019	Campbell	049	Harrison	079	McCracken	109	Taylor
020	Carlisle	050	Hart	080	McCreary	110	Todd
021	Carroll	051	Henderson	081	McLean	111	Trigg
022	Carter	052	Henry	082	Meade	112	Trimble
023	Casey	053	Hickman	083	Menifee	113	Union
024	Christian	054	Hopkins	084	Mercer	114	Warren
025	Clark	055	Jackson	085	Metcalfe	115	Washington
026	Clay	056	Jefferson	086	Monroe	116	Wayne
027	Clinton	057	Jessamine	087	Montgomery	117	Webster
028	Crittenden	058	Johnson	088	Morgan	118	Whitley
029	Cumberland	059	Kenton	089	Muhlenberg	119	Wolfe
030	Daviess	060	Knott	090	Nelson	120	Woodford

Kentucky Counties



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