

July 12, 2006

Mr. J. M. Mike Apple, Director Tennessee Department of Environment and Conservation Division of Solid Waste Management L & C Tower, 5<sup>th</sup> Floor 401 Church Street Nashville, Tennessee 37243-1535

Re: Request for Class 3 Permit Modification
Final Remedy for Cypress Creek Residential Areas
Velsicol Chemical Corporation, Memphis Facility
Facility ID No. TND 00 701 4664
Permit No. THHW-109

Dear Mr. Apple:

This is a Request for a Class 3 Modification of Velsicol's Hazardous Waste Permit No. TNHW-109 according to Tennessee Department of Environment and Conservation (TDEC) rule 1200-1-11-.07(9)(c)5, Permit Modification at the Request of the Permittee. The modification is primarily for the purpose of defining the Final Remedy for Corrective Measures to be performed at residential properties along Cypress Creek. This Request also includes some minor administrative modifications.

The requested modifications are described or provided in the following enclosures:

- Description of Proposed Final Remedy Requirements for Residential Properties along Cypress Creek.
- Modified RCRA Subtitle C Site Identification Form, to change the Site Contact Person to Mr. Steve Wallace and to change the date that True Specialty Corporation became the Site's Legal Owner to 10/1/2005.
- Modified Contingency Plan to change the Emergency Coordinator to Mr. Ali Toutio.



Mr. Mike Apple July 12, 2006 Page 2

Velsicol plans to issue a Public Notice on July 15, 2006, which will start the required 60-day public comment period, and to hold a Public Meeting as part of that public comment process on August 10. A copy of the Public Notice is also enclosed.

If you have any questions or require additional information regarding this request, please contact Mr. Gary Hermann at (901) 380-9995, extension 120.

Sincerely,

**Velsicol Chemical Corporation** 

Ron Loving

Plant Manager

c: Angela Ivory, TDEC

Charles Burroughs, TDEC

Gary Hermann, Memphis Environmental Center

Pat Kitchens, Velsicol Steve Wallace, Velsicol

**Enclosures** 

003-18/RCRA Permit Mod Req.doc

#### DESCRIPTION OF PROPOSED FINAL REMEDY

### FOR RESIDENTIAL PROPERTIES ALONG CYPRESS CREEK IN MEMPHIS, TENNESSEE

#### Scope of Properties to be addressed under this Final Remedy.

- This Final Remedy is applicable to residential properties along Cypress Creek in Memphis, Tennessee where soils have been contaminated by way of Cypress Creek such that the contaminant levels exceed the Remedial Action Level described below.
- Residential Properties include properties with single family and duplex residences, apartment complexes, and small vacant lots in residential neighborhoods that adjacent to single family and duplex residences.
- Residential properties do not include properties that are currently in commercial or industrial use, or large undeveloped properties, unless and until those properties are developed for residential use.

#### Remedial Action Level (RAL) Used to Identify Properties Where Corrective Measures are to be Performed

- Corrective Measures shall be performed at properties where the Representative Dieldrin concentration is equal to or greater than 2.5 mg/kg on a dry weight basis in Soil Samples (the Identified Properties). This value of 2.5 mg/kg is the Remedial Action Level. The basis of this RAL is provided in the June 29, 2006 revised report entitled Human Health Risk Assessment and Development of Remedial Action Levels for Cypress Creek Sub-Area III. A copy of this report is being made available for public review at the Information Repository noted below. Upon TDEC approval of this report, a copy of TDEC's approval letter will be placed into the Information Repository.
- "Representative Dieldrin" means the arithmetic average of two or more Soil Sample test results, where more than one Soil Sample was collected and tested at a property. Where only one Soil Sample has been tested at a property, the one soil sample dieldrin concentration is the Representative Dieldrin level.
- The "Soil Samples" include the shallow (i.e., 0-3 inch, 0-9 inch or 0-12 inch depth) soil samples collected and tested by Velsicol's Memphis Environmental Center, TDEC, and the U.S. Environmental Protection Agency (EPA) and reported in the following documents:

- Cypress Creek Drainage Channel Investigation and Preliminary Human Health Risk Evaluation, January 10, 2002
- o Cypress Creek Sub-Area III Investigation, October 24, 2003
- Cypress Creek Sub-Area III 2004 Interim Measures Investigation, January 31, 2005
- Cypress Creek Sub-Area III 2005 Interim Measures Investigation, October 28, 2005

Soil Samples also include those tested in other past and future residential property investigations that are approved by TDEC. This includes samples collected from residential properties as part of soil investigations directed and performed by TDEC in Cypress Creek Sub-Area IV during 2005.

The above noted documents are being made available for review by the public at an Information Repository, which is being established at the following location:

 Hollywood Branch of the Memphis Public Libraries & Information Center 1530 N. Hollywood St. Memphis, Tennessee 38108

Phone: 901-323-6201

The documents are also available at the following public agency offices:

- Tennessee Department of Environment and Conservation Memphis Field Office
   Suite E-645 Perimeter Park
   2510 Mount Moriah Road
   Memphis, Tennessee 38115
   Contact: Mr. Philip Davis at 901-368-7939
- Tennessee Department of Environment and Conservation Division of Solid Waste Management L&C Tower, 5<sup>th</sup> Floor 401 Church Street Nashville, Tennessee 37243 Contact: Mr. Charles Burroughs at 615-532-0863
- Memphis-Shelby County Health Department Bureau of Environmental Health Services 814 Jefferson Avenue Memphis, Tennessee 38105 Contact: Mr. Norman LaChapelle at 901-544-7582

#### Corrective Measure Design Criteria

The methods and criteria to be used by the Permittee in performing the Corrective Measures at the Identified Properties follow:

- Install a protective clean soil barrier with a minimum thickness of 15 inches over contaminated soil that exceeds the RAL. The soil barrier thickness (i.e., 15 inches) may include sod. This will generally, but not always, require removal of a like thickness of contaminated soil in order to provide appropriate final grades that consider stormwater drainage and other land features.
- Install a marker between the contaminated soil and the installed protective soil barrier (i.e., at the bottom of the excavation) to indicate the depth of the protective soil barrier. Orange plastic construction fencing, or similar materials approved by TDEC that will be long lasting and visible if uncovered, will be used as the marker.
- Where more than one soil sample was used in evaluating human health risks at a
  property, only the portion of the property represented by samples that exceed the
  RAL will require Corrective Measures.
- Permittee may elect to perform additional surface soil testing and may use the
  results of that testing to more precisely determine the portions of properties that
  will require installation of the protective soil barrier. Such additional soil testing
  will be performed under TDEC oversight.
- Permittee may elect to perform additional soil testing of the soils left in place below the bottom of the excavation and marker to determine if the contaminant levels exceed the RAL. Such additional soil testing will be performed under TDEC oversight.
- Place, compact and prepare the protective soil barrier to re-establish landscape vegetation.
- At properties where the land to be remediated has steep surface slopes, the site restoration design will include erosion control features such as terraces, gentle surface slopes or hard surfacing, to minimize stormwater erosion of the protective soil barrier.
- Re-establish landscape vegetation, including placement of new sod on disturbed areas and planting of replacement trees, shrubs and other plants in accordance with site restoration plans developed with input from the property owner.
- Excavated contaminated soil will be trucked to the Permittee's properties at 1199
   Warford Street in Memphis for consolidation utilizing the Area of Contamination

(AOC) policy as described in the EPA Region 4 guidance document entitled *Management of Contaminated Media*, dated September, 1999. Permittee has the option of performing subsequent management for treatment and disposal of the contaminated soil, subject to TDEC approval. Requirements for the design and operation of the Consolidation Area are presented in the following section.

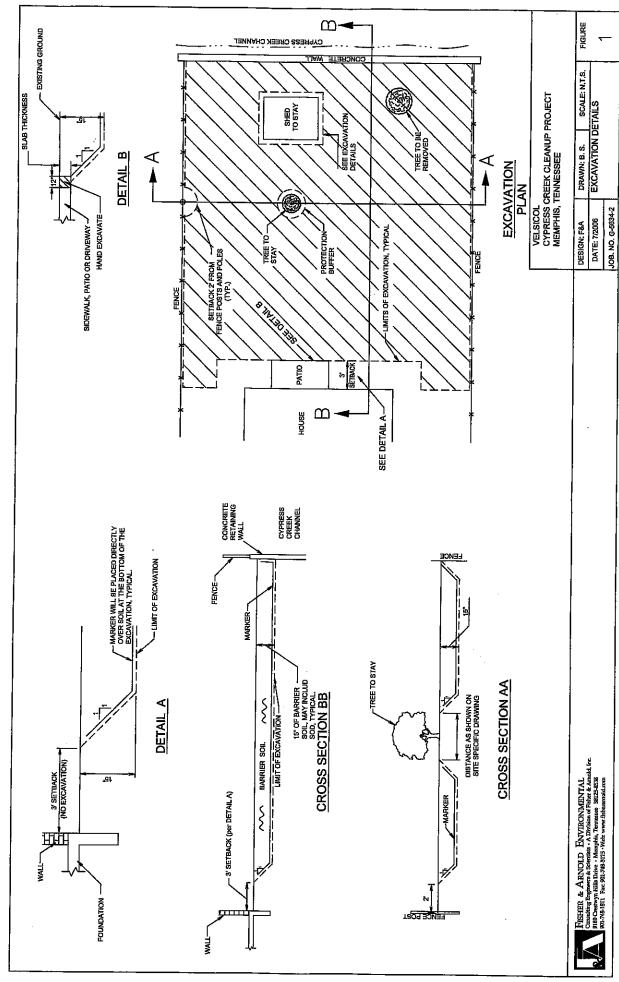
- Permittee will adhere to applicable regulations regarding methods of transporting contaminated soil via truck over public roadways.
- Perform periodic air monitoring at properties where contaminated soils are excavated to provide a measure of impacts and to provide a basis for implementing dust control measures. Watering is expected to be the primary dust control method, but other suitable methods may be used.
- Requirements for excavation setbacks from building foundations, trees and other site features, and the related protective soil barrier placement, are indicated on *Figure 1*. The building set-backs are necessary to prevent damage to structures and foundations and to avoid removing soil containing termiticides that have been applied to protect the structures. Set backs used around trees and large shrubs that are not removed (e.g. such that the trees and/or shrubs and their roots are not injured by soil excavation or soil cover) will be established by a qualified landscape designer or horticulturist.
- A copy of the May 19, 2006 Corrective Measures Study Report for Cypress Creek Sub-Area III (as revised on June 28, 2006), which presents an evaluation of the corrective measure design criteria, was approved by TDEC on July 11, 2006. Copies of the report and TDEC's approval letter are being placed in the Information Repository.
- If unusual site conditions are encountered during the pre-design site investigation and/or during soil excavation work, which impact the excavation and clean barrier soil placement work, Permittee may, upon TDEC review and approval, modify certain of the excavation and/or backfill requirements from those specified above.
- Prepare and submit a Corrective Measures Completion Report after completion of
  the work at the residential properties. TDEC will review the reports to determine
  if Permittee completed the Corrective Measures in accordance with Permit
  requirements. TDEC's approval of the Corrective Measures Completion Reports
  will confirm that the Permittee has completed the Final Remedy for each
  Identified Property.

#### Consolidation Area

- Construct, operate and maintain one or more soil consolidation cells to provide for controlled human contact with the contaminated soil and to prevent releases to the environment by wind or stormwater erosion.
- The consolidation cell design will be provided to TDEC for review and approval prior to construction.
- The consolidation cells will be located on the Permittee's properties at 1199
  Warford St. in Memphis. These properties include the manufacturing plant site
  and an approximately 14-acre outlying property, which is located to the west of
  the manufacturing plant site.
- Permittee may elect to add oxygen release compound (ORC) to the soil as it is placed into the consolidation area.
- Upon completion of the filling phase, install a cover that is designed to minimize rainwater infiltration into and through the contaminated soil. The cover will be composed of compacted soil and/or a membrane liner, as approved by TDEC.
- Inspect the Consolidation Area(s) on a monthly basis and maintain a log to document the inspections.
- Maintain a secure fence around the Consolidation Area(s) and control access.
   The fence and security systems currently used for the main manufacturing plant site is considered to be adequate for soil consolidation cells constructed within the fenced area.

#### **Inclusion of Interim Measures Performed by Permittee During 2005**

• The remedial methods and criteria used by the Permittee in performing the Interim Measures at 1978 Edward Ave., 1984 Edward Ave., and 2478 Vollintine Cove during 2005 meet or exceed the preceding Corrective Measure Design Criteria. Therefore, the Permittee's Interim Measures work at those properties will be considered to fulfill these Final Remedy requirements upon TDEC approval of the Permittee's Interim Measures Completion Report on the corrective action work that has been completed at those properties.



SEND COMP		OMBIL COMO			
SEND COMPLETED FORM TO:	United States Environmental Protection Ag	OMB#: 2050-0034 Expires 11/30/20			
The Appropriate State or EPA Regional Office.	PCDA CUENTIAN Protection Agency				
	RCRA SUBTITLE C SITE IDENTIFICATION	N FORM			
1. Reason for Submittal	Reason for Submittal:				
(See instructions	☐ To provide Initial Notification of Regulated Mosts A. # #	•			
on page 14.)	☐ To provide Initial Notification of Regulated Waste Activity (to obtain waste, universal waste, or used oil activities)	n an EPA ID Number for hazardous			
MARK ALL BOX(ES) THAT APPLY	☐ To provide Subsequent Notification of Regulated Waste Activity (to	Dipodato offe the unit of			
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	☐ As a component of the Hazardous Waste Report	Hill Application (Amendment #)			
2. Site EPA ID Number (page 15)	EPA ID Number				
	ITINIDI1010171101214	116.16.111			
3. Site Name (page 15)	Name:				
4. Site Location	Velsicol Chemical Como				
Information	Street Address: 11 Q Q 11) A C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C				
(page 15)	City, Town, or Village: Memphis				
5 Site I	The state of the s	Code: 38108			
5. Site Land Type (page 15)	Site Land Type: Derivate D. County D. D.	<u> 28108</u>			
6. North American	Site Land Type: Derivate Decounty District Defeated In	ndian 🛘 Municipal 🗖 State 🗖 Oth			
Industry Classification	1312151119191 B.				
System (NAICS)	C.				
Code(s) for the Site (page 15)	D.				
7. Site Mailing		<u> </u>			
Address	Street or P. O. Box: Same as item 4				
(page 16)	City, Town, or Village:				
	State:				
8. Site Contact	Country:	Code:			
Person	First Name:				
(page 16)	Phone Number: 901-220 and	t Name: Wallace			
9. Operator and	A. Name of Site's Operators	all address: Swallace @ Velsicol.com			
Legal Owner of the Site	VEIDICO ( homica /	e Became Operator (mm/dd/yyyy)			
(pages 16 and 17)	Type: Upprivate II Courts III	dian I Municipal I State I Ot			
	B. Name of Site's Legal Owner:				
	True specialty (proporation)	e Became Owner (mm/dd/yyyy):			
EDA F	Owner Type: Private D'County District D Federal D Ir	ndian Municipal D State DO			

9. Legal Owner	N 1 D 1 0 0 1 7 1 0	191411611	6141	OMB#: 2050-0034 Expires 11/30/20
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Complete all r	arts for 1 through e			
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				Treater, Storer, or Disposer of
77 200	<ul> <li>Greater than 1,000 kg/mo (2,2) of non-acute hazardous waste</li> </ul>	)0 lbs./mo.)		Hazardous Waste (at your site) Note:
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LI b. SQ	3: 100 to 1,000 kg/mo (220 - 2,20	0 lbs./mo.)		this activity.
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	Indicate other generator activit			Furnace
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e, Mixe	d Waste (hazardous and radioac	live) Generator		☐ b. Smelting, Melting, and Refining
				Furnace Exemption
			YUND 6.	Underground Injection Control
B. Universal Was	e Activities	<del></del>	1	
□ N M 1. Large Qua	néite Llandian agr		C. US	ed Oil Activities rk all boxes that apply.
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Tore Bell	rated and/or accumulated at v	our site. If "Yee"		If "Yes", mark each that applies.
mark all bo	wes that apply:			□ a. Transporter □ b. Transfer Facility
	Generate	<u>Accumulate</u>		
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c. Thermosta	te	· 🔁 .		D b. Re-refiner
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e. Other (spe		<b>'</b>	YONA4.	Used Oil Fuel Marketer
	cify)			If "Yes", mark each that applies.
g. Other (spe	cify)			a. Marketer Who Directs S hipment
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□ N to 2. Destination	Facility for Universal Waste			Off-Specification Used Oil Burne  D b. Marketer Who First Claims the
Note: A baza	dous waste permit may be require		1.	Used Oil Meets the Specification

EPA ID NO:	TINIDIL	21017110	12141161	6141	OM8#: 2050.00	24 5 4
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12. Comments (S	ee instructions on	page 22.)			<u> </u>	
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OMB #: 2050-0034 Expires 11/30/2005

United States Environmental Protection Agency

1. Facility Permit	First Name:	RMIT INFORI	MATION FORM
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Instructions on	Phone Number:	tact	
page 23)			Phone Number Extension:
2. Facility Permit	Street or P.O. Box:		
Contact Mailing Address (See	Same as Site (1	intant	
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page 23)	State:		
	State:		
	Country:		
			Zip Code:
3. Operator Mailing Address and	Street or P.O. Box:		
Telephone Number	10400 W. Higgins	Road	
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	Country: Zip Cod		
4. Legal Owner Mailing	$\perp UDH \qquad    U$	20018	Phone Number 847-298-9000
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V Dusiness (Pro	ovide a brief description; see instructions on page	e 24)	2 Hir Fermit- Processitea
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- 8. Process Codes and Design Capacities (See instructions on page 24) Enter information in the Sections on Form Page 3.
- A. PROCESS CODE Enter the code from the list of process codes in the table below that best describes each process to be used at the facility. Fifteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), enter the process information in Item 9 (including a description).
- B. PROCESS DESIGN CAPACITY- For each code entered in Section A, enter the capacity of the process.
  - 1. AMOUNT Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter
  - 2. UNIT OF MEASURE For each amount entered in Section B(1), enter the code in Section B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.

C. PRO	CESS TOTAL NUMBE	R OF UNITS - Enter the total warms	neasure in ti	nis list.	and world could below that
PROCESS	PROCESS ·	R OF UNITS - Enter the total number of unit APPROPRIATE UNITS OF MEASURE	PROCESS	orresponding process code.	
·		FOR PROCESS DESIGN CAPACITY	CODE	PROCESS	APPROPRIATE UNITS OF MEASURE
D79	Disposal:				FOR PROCESS DESIGN CAPACITY
!! <sup>9</sup> /9	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	Treatment (continued): Cement Kiln	For T81-T93:
D80 	Land <u>sii</u>	Acre-feet; Hectare-meter; Acres; Cubic Meters;	T82 T83 T84	Lime Kiln Aggregate Kiln	Gallons Per Day; Liters Per Day; Pounds
D81	Land Treatment	Hectares; Cubic Yards  Acres or Hectares	T85	Phosphate Kiln Coke Oven	Per Hour: Short Tone Per Wours Wilsons
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T86	Blast Furnace	Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T87	Smelting, Melting, or Refining Furnace	Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
D99	Other Disposal Storage:	Any Unit of Measure in Code Table Below	T88 T89	Titanium Dioxide Chloride Oxidation Reactor Methane Reforming Furnace	rout, or runion but Per Hour
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T90	Pulping Liquer Recovery Furnace	
S02 S03	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T91	Combustion Device Used In The Recovery Of Sulfur Values	
S04	Waste Pile	Cubic Yards or Cubic Meters	T92	From Spent Sulfuric Acid Halogen Acid Furnaces	
504	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
S05 ·	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T94	Containment Building - Treatment	Cubic Yards; Cubic Meters; Short Tons Pe
S06	Containment Building Storage	Cubic Yards or Cubic Meters		resument	Hour; Gallons Per Hour; Liters Per Hour; Bta Per Hour; Pounds Per Hour; Short To Per Day; Kilograms Per Hour; Metric Ton
S99	Other Storage	Any Unit of Measure in Code Table Below			Metric Tons Per Hour; or Million Btu Per
T01	Treatment:			Miscellaneous (Subpart X):	Hour
Г02	Tank Treatment	Gallons Per Day; Liters Per Day	X01	Open Burning/Open	Any Unit of Measure in Code Table Below
J	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day	X02	Detonation Mechanical Processing	Short Tous Per Hour: Metric Tons Per
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms			Hour; Short Tons Per Day; Metric Tons P Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour or Gallons Per Day
T04	Other Treatment	Tons Per Hour; or Million Btu Per Hour	X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilogran
<u> </u>	· Thronder	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour;	X04	G-1 1 =	Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Biu Per Hour; or Million Biu Per Hour
	Boiler	- Hour; or Million Btu Per Hour	ļ ·	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
<u> </u>	•	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour	X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF	UNIT OF				
MEASURE	MEASURE CODE				
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unit of	UNIT OF
Measure	MEASURE CODE
Short Tons Per Hour	W N N S J

UNIT OF	UNIT OF
MEASURE	MEASURE CODE
Cubic Yards Cubic Meters. Acres Acres Hectares Hectare-meter Btu Per Hour	B A

5,	Process	Codes and	Design	Cana-1/1	(Continued)
-			. Dealgh	Capacities	(Continued)

	EX	AMPL	E FO	R CO	PLETING Item 8 (shown in line number X-1 below): A facility	han a staurant			
ļ	A.		,	B. PROCESS DESIGN CAPACITY	S Item 8 (shown in line number X-1 below): A facility has a storage tan  B. PROCESS DESIGN CAPACITY				
Nu	.Ine mber	Pro (Fro	cess	Code	(1) Amount (Specify)	(2) Unit of Measure	Process Total Number of		
<del>  X</del>	1	S	0	2		(Enter code)	Units	For Official Use Only	
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NOTE: If you need to list more than 15 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item 9.

Other F	Processes (See Ins	structions on page 25 and follow instruct	used for "o	ther" processes (i	e., D99, S99, T04	and X99) in Item 9.
Line Number ∕≅nter#s in	1 <u> </u>	B. PROCESS DESIGN	CAPACITY	au o 101 D99, S99,	T04 and X99 proc	ess codes)
sequence (th Item 8)	Process Code (From list above)	(1) Amount (specify)		(2) Unit of Measure (Enter code)	Process Total Number of Units	D. Doposistics of December
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- 10. Description of Hazardous Wastes (See instructions on page 25) Enter information in the Sections on Form Page 5.
  - A. EPA HAZARDOUS WASTE NUMBER Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
  - B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in Section A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Section A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
  - C. UNIT OF MEASURE For each quantity entered in Section B, enter the unit of measure code. Units of measure which must be used and the

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
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if facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking Into account the appropriate density or specific gravity of the waste.

#### D. PROCESSES

#### 1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in Section A, select the code(s) from the list of process codes contained In Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the listed haardous wastes.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in Section A, select the code(s) from he list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose dall the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

- 1. Enter the first two as described above.
- 2. Enter "000" in the extreme right box of Item 10.D(1).
- 3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.
- 2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in Item 10.D(2) or in Item 10.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes thalpan be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in Section A. On the same line complete Sections B, C and Iby estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste,
- 2. In Section A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Section D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 10 (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estilated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three polisted wastes Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and in itable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a land

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Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

### 12. Facility Drawing (See Instructions on page 26)

All existing facilities must include a scale drawing of the facility (see Instructions for more detail).

### 13. Photographs (See instructions on page 26)

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail). 14. Comments (See instructions on page 26)

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#### **CONTINGENCY PLAN**

#### **Overview**

This Contingency Plan represents procedures and equipment maintained by the Velsicol Chemical Corporation, Memphis, Tennessee, to respond to hazardous situations related to generation, treatment, and storage of hazardous waste.

Responses to the emergencies involving hazardous waste will be supervised by the Emergency Coordinator. The Emergency Coordinator will have the ultimate authority and responsibility for the following:

- 1. Determining if the emergency involves a spill or release of a "reportable quantity" of material.
- 2. Assessing the immediate threat to the environment or human health.
- 3. Determining when to initiate notification procedures to other agencies.
- 4. Ensuring that the proper clean up equipment and procedures are available.
- Providing assistance, personnel, and equipment to generate a spill response.

Specific individuals responsible for emergency response are identified in this plan. Specific methods of response to spills, fires, and industrial accidents involving hazardous wastes are given. Emergency and protective equipment are also described.

#### **General Information**

The Velsicol Chemical Corporation hazardous waste storage facility is owned by Velsicol Chemical Corporation and is located at 1199 Warford Street, Memphis, Tennessee. Refer to maps and drawings located in Appendix 6-1 for the location of the hazardous waste storage area located inside the plant.

#### **Emergency Coordinators**

In an emergency, contact the Emergency Coordinator listed below:

Utilities / Incinerator Supervisor (Ali Toutio) Emergency Coordinator:

Office Telephone:

(901) 320-0258

Home Telephone:

(901) 380-9516

Address:

2418 Genwood Street

Memphis, TN 38134

Plant Manager (**Ron Loving**), Assistant Emergency Coordinator:

Office Telephone:

(901) 320-0215

Cell phone:

(901) 277-0736

Address:

10220 Mackwood Drive Lakeland, TN 38002

Shift Supervisor (Johnny Donald), Assistant Emergency Coordinator

Office Telephone:

(901) 320-0260

Home Telephone:

(901) 565-7521

Address:

5111 Aureen Drive Memphis, TN 38028 These addresses are located in Shelby County and are less than a 20-minute drive from the facility.

The individuals listed as Emergency Coordinators have the authority to commit necessary Velsicol resources and have been trained in emergency response. Authority is also given to stop any plant operation or process needed to ensure that fire, explosions or releases do not occur, reoccur, or spread.

#### **Implementation Criteria**

The Contingency Plan must be implemented under the following circumstances:

#### 1. <u>Fire/Explosion</u>

- a. Fire causes releases of toxic fumes;
- b. Fire spreads beyond area of ignition;
- c. Fire threatens off-site areas;
- d. Fire fighting agents result in contaminated run-off;
- e. Immediate threat of explosion.

#### 2. Spills/Leaks

- a. Fire hazards exist due to spilled material;
- b. Toxic fumes hazards exists:
- Ground water may be threatened;
- d. Spill threatens property other than hazardous waste storage building or area;
- e. Spill threatens surface waters.

#### 3. <u>Destructive Weather</u>

- a. Destructive weather threatens hazardous waste storage areas or buildings;
- b. Potential for surface contamination.

#### **Emergency Response Procedure**

In the event of a potential emergency situation involving hazardous waste, report immediately to the Boiler House Engineer at the boiler house, telephone #222, and give the following information:

- Name of party reporting the fire or emergency;
- Type of fire: grass fire, structural fire, chemical fire, chemical reaction fire, decomposition fire, or electrical fire;
- Exact location of fire or emergency;
- Hang up last;
- The Boiler Engineer will then activate the Emergency Alarm System Notification.

#### Reporting Procedures

- 1. Reporting Procedures for Spills
- 2. Classification of Spills
  - A. In-Plant
    - i. Liquid spills, contained and non-contained from vessels, drums or process equipment.
    - ii. Vapor releases, fire, explosion, relief valves, etc.
    - iii. Spills associated with loading or unloading of tank trucks or railcars, or leaking truck/railcars within plant boundaries.
  - B. In Transit (leaking drums, tank truck or railcar outside of plant boundaries)
- 3. Reporting Procedures
  - A. The Area Production Supervisor or Shift Supervisor is to be notified immediately after a spill has occurred either in-plant or in transit. Phone: (901) 324-4401 ext. 241.
  - B. In case of an in-plant spill, the Area Supervisor or Shift Supervisor will take immediate action to prevent further spill discharge. He or she will then notify one of the following:
    - i. Utilities/Incinerator Supervisor Ali Toutio, ext. 258. Home: 901-380-9516.
    - ii. Plant Manager Ron Loving, ext. 215. Cell: 277-0736
    - iii. In case of fire or explosion, the Shift Supervisor will also immediately call the following: Memphis Fire Department 911
  - C. If a liquid spill reaches Cypress Creek, the contacted individual in Section B will notify the following:
    - i. National Response Center: (800) 424-8802.
    - ii. POTW: 353-2392.
    - iii. Shelby County Health Department: 576-7600.
    - iv. Tennessee Division of Water Quality Control: 543-6695.
    - v. Tennessee Emergency Management Agency: (800) 262-3300.
  - D. If a liquid release occurs that impacts off-site, or the liquid release is a RQ, the contacted individual in Section B will notify the following:
    - i. National Response Center: (800) 424-8802.
    - ii. POTW: 353-2392 (only if chemical sewer is affected).
    - iii. Shelby County Health Department: 576-7600.
    - iv. Tennessee Emergency Management Agency: (800) 262-3300.
    - v. DIER Group (Channel 2 on radios) only if off-site impact.

- E. If vapor release occurs that impacts off-site, or the vapor release is a RQ, the contacted person in Section B will notify the following:
  - i. Shelby County Health Department, Air Pollution: 576-7775
  - ii. National Response Center: (800) 424-8802.
  - iii. Tennessee Emergency Management Agency: (800) 262-3300.
  - iii. DIER Group Channel 2 on Velsicol's radio system.
- F. Information that needs to be supplied by the Area Supervisor when making the initial contact:
  - i. Location of spill.
  - ii. Material spilled.
  - iii. Date, time, and duration of spill.
  - iv. Nature and cause of spill.
  - v. Amount spilled.
  - vi. Action taken to contain and clean up spill.
  - vii. Where spill material went.

#### Procedure for Handling Small Releases

In the event of a small release (example, small spill), the leak will be immediately stopped and steps taken to clean up the spill. On most liquid spills at the Memphis plant, absorbent pads are used to absorb and clean up with. Personal protective equipment is always used when cleaning up any spill. A determination is made by the supervisor in charge as to whether the material to be cleaned up is hazardous or non-hazardous waste. Material which is known or suspected to be hazardous is drummed into 55-gallon waste drums, labeled and dated.

#### <u>Identifying Types</u> of Waste

The Emergency Coordinator will determine the exact source of the waste involved in the emergency and determine the type of waste involved and the area threatened.

#### PUBLIC NOTICE

## REQUEST TO MODIFY HAZARDOUS WASTE PERMIT VELSICOL CHEMICAL CORPORATION, MEMPHIS FACILITY

PLEASE TAKE NOTICE that Velsicol Chemical Corporation (VCC), 1199 Warford St., Memphis, Tennessee 38108, as the holder of Hazardous Waste Permit No. TNHW-109, has submitted a request to the Tennessee Department of Environment and Conservation (TDEC) seeking a Class 3 Modification to that Permit. The modification will establish requirements for remediation of environmental contamination at residential properties along Cypress Creek in north central Memphis, Tennessee.

During the sixty (60) day public comment period following the publication of this notice, beginning July 15 and ending September 13, 2006, any interested party may submit written comments on the requested permit modification. Persons wishing to comment are invited to submit comments in writing to TDEC, Attn: Ms. Angela Ivory, L&C Tower, 401 Church Street, Nashville, Tennessee 37243, telephone: (615) 532-9267.

A public meeting will be held at 6:00 p.m. on August 10, 2006 at the Hollywood Community Center at 1560 N. Hollywood St. Memphis, Tennessee 38108. Information on the proposed modification will be presented and opportunities for asking questions and submitting comments to Velsicol and TDEC will be provided at this meeting.

Further information on this matter may be obtained by contacting Angela Ivory of TDEC or Mr. Gary Hermann, Cypress Creek Project Manager, at Velsicol's Memphis Environmental Center: (901) 380-9995, ext. 120.

An Information Repository has been established at the following location, where copies of the modification request and supporting documents may be reviewed and copied:

 Hollywood Branch of the Memphis Public Libraries & Information Center 1530 N. Hollywood St.
 Memphis, Tennessee 38108
 Phone: 901-323-6201

The documents are also available at the following public agency offices:

 Tennessee Department of Environment and Conservation Memphis Field Office
 Suite E-645 Perimeter Park
 2510 Mount Moriah Road
 Memphis, Tennessee 38115
 Contact: Mr. Philip Davis at 901-368-7939  Tennessee Department of Environment and Conservation Division of Solid Waste Management L&C Tower, 5<sup>th</sup> Floor 401 Church Street Nashville, Tennessee 37243 Contact: Mr. Charles Burroughs at 615-532-0863

 Memphis and Shelby County Health Department 814 Jefferson Avenue Memphis, Tennessee 38105 Contact: Mr. Norman LaChapelle at 901-544-7582

The permittee's compliance history during the life of the permit being modified is available from Ms. Angela Ivory, the TDEC contact person.

NOTICE DATE: July 15, 2006