

13000315 12/02/2009

AIR GUIDE I ANALYSIS - GM 38

New York State Department of Environmental Conservation  
Air Permit Application



DEC ID									
-									

APPLICATION ID									
-									

OFFICE USE ONLY									
/	/	/	/	/	/	/	/	/	/

Section I - Certification

Title V Certification	
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information [required pursuant to 6 NYCRR 201-6.3(d)] I believe the information is, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.	
Responsible Official	Title
Signature	Date / /

State Facility Certification	
I certify that this facility will be operated in conformance with all provisions of existing regulations.	
Responsible Official	Title
Signature	Date / /

Section II - Identification Information

Title V Facility Permit <i>N/A</i>	State Facility Permit <i>N/A</i>
• New • Significant Modification	• New • Modification
• Renewal • Minor Modification	• Administrative Amendment
General Permit Title: _____	
<input checked="" type="checkbox"/> Application involves construction of new facility	<input type="checkbox"/> Application involves construction of new emission unit(s)

Owner/Firm			
Name <i>US Navy / NAVFAC Midlant</i>			
Street Address <i>9742 Maryland Ave, Bldg Z-144</i>			
City <i>Norfolk</i>	State <i>VA</i>	Country <i>US</i>	Zip <i>23511-3095</i>
Owner Classification <input checked="" type="checkbox"/> Federal	<input type="checkbox"/> State	<input type="checkbox"/> Municipal	Taxpayer ID
<input type="checkbox"/> Corporation/Partnership	<input type="checkbox"/> Individual		
Facility			
Name <i>Naval Weapons Industrial Reserve Plant (NWIRP) Site 1</i>			
Location Address <i>Bethpage</i>			
• City <input checked="" type="checkbox"/> Town <input type="checkbox"/> Village <i>Oyster Bay, New York</i>			Zip <i>11714</i>
Project Description			
<i>Air stripping Vapor phase granular activated carbon to remove VOCs from soil gas</i>			

Owner/Firm Contact Mailing Address			
Name (Last, First, Middle Initial) <i>Fly, Lora</i>		Phone No. <i>(757) 444-0781</i>	
Affiliation <i>Department of the Navy</i>		Title <i>Remedial PM</i>	
Street Address <i>9742 Maryland Ave Bldg Z-144</i>			
City <i>Norfolk</i>	State <i>VA</i>	Country <i>US</i>	Zip <i>23511-3095</i>
Facility Contact Mailing Address			
Name (Last, First, Middle Initial) <i>Same</i>		Phone No. ( )	
Affiliation		Title	
Street Address		Fax No. ( )	
City	State	Country	Zip

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Section III - Facility Information

Classification					
<input type="checkbox"/> Hospital	<input type="checkbox"/> Residential	<input type="checkbox"/> Educational/Institutional	<input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Utility

Affected States (Title V Only) <i>N/A</i>					
<input type="checkbox"/> Vermont	<input type="checkbox"/> Massachusetts	<input type="checkbox"/> Rhode Island	<input type="checkbox"/> Pennsylvania	Tribal Land: _____	
<input type="checkbox"/> New Hampshire	<input type="checkbox"/> Connecticut	<input type="checkbox"/> New Jersey	<input type="checkbox"/> Ohio	Tribal Land: _____	

SIC Codes									
9999									

Facility Description		Continuation Sheet(s)
<i>Soil vapor remediation by SVE followed by vapor phase GAC</i>		

Compliance Statements (Title V Only) <i>N/A</i>	
<p>I certify that as of the date of this application the facility is in compliance with all applicable requirements: • YES • NO</p> <p>If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at this facility that are operating <u>in compliance</u> with all applicable requirements complete the following:</p> <ul style="list-style-type: none"> <li>This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those units referenced in the compliance plan portion of Section IV of this application.</li> <li>For all emission units, subject to any applicable requirements that will become effective during the term of the permit, this facility will meet all such requirements on a timely basis.</li> <li>Compliance certification reports will be submitted at least once a year. Each report will certify compliance status with respect to each requirement, and the method used to determine the status.</li> </ul>	

Facility Applicable Federal Requirements <i>N/A</i>										Continuation Sheet(s)
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause	

Facility State Only Requirements										Continuation Sheet(s)
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause	





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Section IV - Emission Unit Information

Emission Unit Description		Continuation Sheet(s)
EMISSION UNIT	1-00EU1	
Effluent from first soil vapor extraction blower (BL-1) Vapor Phase Granular Activated Carbon Unit. The emission point is stack 00ST-2		

Building					Continuation Sheet(s)
Building	Building Name	Length (ft)	Width (ft)	Orientation	
03-35	Treatment Building	60	40	0	

Emission Point							Continuation Sheet(s)
EMISSION PT.	00ST2						
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
	36	6	8	70			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
	1,000			03-35	100'		
EMISSION PT.							
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	

Emission Source/Control							Continuation Sheet(s)
Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model No.
					Code	Description	
<del>048</del>	1				048	Granular Act. Carbon	Tetrasolv Filtration
Design Capacity	Design Capacity Units			Waste Feed		Waste Type	
	Code	Description	Code	Description	Code	Description	
Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer's Name/Model No.
					Code	Description	
Design Capacity	Design Capacity Units			Waste Feed		Waste Type	
	Code	Description	Code	Description	Code	Description	

BL-1



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Section IV - Emission Unit Information (continued)

Process Information						• Continuation Sheet(s)	
EMISSION UNIT 1-00EU1					PROCESS SVE		
Description							
<p>The Soil Vapor Extraction System will consist of 12 SVE wells (6 intermediate and 6 deep), a moisture separator, and 2 soil vapor extraction blowers (BL-1 and BL-2) which both vent to a vapor phase granular activated carbon unit for treatment prior to discharge from stack COST2. The VGAC unit will be a 5,000-pound unit, filled with Tetrasolv Virgin Carbon. The VGAC unit has been designed to operate nominally at 600 cfm, with a maximum of 1,000 cfm.</p>							
Source Classification Code (SCC)		Total Thruput		Thruput Quantity Units			
		Quantity/Hr	Quantity/Yr	Code	Description		
<ul style="list-style-type: none"> <li>• Confidential</li> <li><input checked="" type="checkbox"/> Operating at Maximum Capacity</li> <li>• Activity with Insignificant Emissions</li> </ul>		Operating Schedule		Building	Floor/Location		
		Hrs/Day	Days/Yr				
		24	365	03-35	Main		
Emission Source/Control Identifier(s)							
BL-1	BL-2						
EMISSION UNIT -					PROCESS		
Description							
Source Classification Code (SCC)		Total Thruput		Thruput Quantity Units			
		Quantity/Hr	Quantity/Yr	Code	Description		
<ul style="list-style-type: none"> <li>• Confidential</li> <li>• Operating at Maximum Capacity</li> <li>• Activity with Insignificant Emissions</li> </ul>		Operating Schedule		Building	Floor/Location		
		Hrs/Day	Days/Yr				
		Emission Source/Control Identifier(s)					

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Section IV - Emission Unit Information (continued)

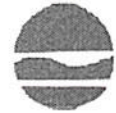
Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements										Continuation Sheet(s)	
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause		
-															
-															
-															
-															

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements										Continuation Sheet(s)	
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause		
-															
-															
-															
-															

Emission Unit Compliance Certification												Continuation Sheet(s)
Rule Citation												
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
6	NYCRR	212										
<input checked="" type="checkbox"/> Applicable Federal Requirement				<input type="checkbox"/> State Only Requirement				<input type="checkbox"/> Capping				
Emission Unit	Emission Point	Process	Emission Source	CAS No.			Contaminant Name					
1-00EU1	COST2	SVE		00079-01-6			Trichloroethylene					
Monitoring Information												
<input checked="" type="checkbox"/> Continuous Emission Monitoring <input checked="" type="checkbox"/> Intermittent Emission Testing <input type="checkbox"/> Ambient Air Monitoring						<input type="checkbox"/> Monitoring of Process or Control Device Parameters as Surrogate <input type="checkbox"/> Work Practice Involving Specific Operations <input type="checkbox"/> Record Keeping/Maintenance Procedures						
Description												
Monthly grab samples analyzed for VOCs from the VGAC unit influent and effluent.												
Work Practice												
Type	Code	Process Material Description							Reference Test Method			
Parameter												
Code	Description							Manufacturer Name/Model No.				
23	Concentration											
Limit												
Upper	Lower	Code	Limit Units Description									
36,000		255	micrograms per cubic meter									
Reporting Requirements												
Averaging Method			Monitoring Frequency				Reporting Requirements					
Code	Description		Code	Description			Code	Description				
01	Instantaneous		05	Monthly			10	Upon Request				



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Section IV - Emission Unit Information (continued)

Determination of Non-Applicability (Title V Only) <i>N/A</i>										• Continuation Sheet(s)	
Rule Citation											
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
Emission Unit	Emission Point	Process	Emission Source	• Applicable Federal Requirement • State Only Requirement							
Description											
Rule Citation											
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause		
Emission Unit	Emission Point	Process	Emission Source	• Applicable Federal Requirement • State Only Requirement							
Description											
Process Emissions Summary										• Continuation Sheet(s)	
EMISSION UNIT	1 - 00E41							PROCESS	S	V	E
CAS No.	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined			
00071-55-6	1,1,1-Trichloroethane					80	0.34	02			
PTE			Standard Units	PTE How Determined		Actual					
(lbs/hr)	(lbs/yr)	(standard units)				(lbs/hr)	(lbs/yr)				
0.07	590.6			02							
EMISSION UNIT	1 - 00E41							PROCESS	S	V	E
CAS No.	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined			
00127-18-4	Tetrachloroethylene					80	0.01	02			
PTE			Standard Units	PTE How Determined		Actual					
(lbs/hr)	(lbs/yr)	(standard units)				(lbs/hr)	(lbs/yr)				
0.01	7.9			02							
EMISSION UNIT	1 - 00E41							PROCESS	S	V	E
CAS No.	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined			
00079-01-6	Trichloroethylene					80	0.67	02			
PTE			Standard Units	PTE How Determined		Actual					
(lbs/hr)	(lbs/yr)	(standard units)				(lbs/hr)	(lbs/yr)				
0.13	1181			02							



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Section IV - Emission Unit Information (continued)

EMISSION UNIT	Emission Unit Emissions Summary				• Continuation Sheet(s)
CAS No.	Contaminant Name				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.	Contaminant Name				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.	Contaminant Name				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.	Contaminant Name				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	

Compliance Plan <i>N/A</i>													• Continuation Sheet(s)
For any emission units which are <u>not in compliance</u> at the time of permit application, the applicant shall complete the following													
Consent Order			Certified progress reports are to be submitted every 6 months beginning ___/___/___										
Emission Unit	Process	Emission Source	Applicable Federal Requirement										Date Scheduled
			Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause	
			Remedial Measure / Intermediate Milestones									R/I	



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Section IV - Emission Unit Information (continued)

Request for Emission Reduction Credits						• Continuation Sheet(s)	
EMISSION UNIT   -							
Emission Reduction Description							
Contaminant Emission Reduction Data							
Baseline Period ____ / ____ / ____ to ____ / ____ / ____				Reduction			
				Date		Method	
				/ /			
CAS No.		Contaminant Name		ERC (lbs/yr)			
- -				Netting		Offset	
- -							
- -							
Facility to Use Future Reduction							
Name				APPLICATION ID			
				-                   /			
Location Address							
• City / • Town / • Village				State		Zip	

Use of Emission Reduction Credits						• Continuation Sheet(s)	
EMISSION UNIT   -							
Proposed Project Description							
Contaminant Emissions Increase Data							
CAS No.		Contaminant Name		PEP (lbs/yr)			
- -							
Statement of Compliance							
<p>• All facilities under the ownership of this "ownership/firm" are operating in compliance with all applicable requirements and state regulations including any compliance certification requirements under Section 114(a)(3) of the Clean Air Act Amendments of 1990, or are meeting the schedule of a consent order.</p>							
Source of Emission Reduction Credit - Facility							
Name				PERMIT ID			
				-                   /			
Location Address							
• City / • Town / • Village				State		Zip	
Emission Unit		CAS No.		Contaminant Name		ERC (lbs/yr)	
-		- -				Netting      Offset	
-		- -					
-		- -					





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Bethpage Site 1  
EMISSION POINT : p DATE : 12/ 2/ 9

CONTAMINANT EMISSIONS DATA Page Number 1

Chemical Abstract Series NUMBER	EMISSIONS LBS./HOUR	EMISSIONS LBS./YEAR	EMISSIONS TONS/YEAR
00071-55-6	0.070	590.610	0.295
00127-18-4	0.010	7.870	0.004
00079-01-6	0.130	1181.220	0.591

Press < ← Enter > if all data is OK: \_  
Type ANY CHARACTER and then Press < ← Enter > if you want to change data.

CA AirGuide-1

CONTAMINANT ASSESSMENT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9  
Page 1

CAS NUMBER	AGC ug/m3	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM < Cav, Pt, Area > % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
00071-55-6	1000.00000000	0.0947	0.0000	0.1233	0.1189
00079-01-6	0.50000000	0.8546	0.0000	458.1203	475.7282
00127-18-4	1.00000000	0.9203	0.0000	17.6200	1.5848
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "X" and Press Enter to EXIT :

CA AirGuide-1

12/ 2/ 9  
Page 1

CONTAMINANT ASSESSMENT SUMMARY OF DAR-1 ANALYSIS

CAS NUMBER	AGC ug/m3	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM (Cav, Pt, Area) % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
00071-55-6	1000.00000000	0.0947	0.0000	0.1233	0.1189
00079-01-6	0.50000000	0.8546	0.0000	458.1203	475.7282
00127-18-4	1.00000000	0.9203	0.0000	17.6200	1.5848
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "X" and Press Enter to EXIT : \_

CA AirGuide-1

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Page 1

CONTAMINANT IMPACT SUMMARY OF DAR-1 ANALYSIS

CAS NUMBER	AGC ug/m3	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM (Cav, Pt, Area) ug/m3	ACTUAL ANNUAL ug/m3	POTENTIAL ANNUAL ug/m3	ACTUAL ANNUAL ug/m3
00071-55-6	1000.00000000	64.42052460	0.00000000	1.23340082	1.18932058
00079-01-6	0.50000000	119.63810700	0.00000000	2.29060149	2.37864114
00127-18-4	1.00000000	9.20293140	0.00000000	0.17620012	0.01584794

END OF FILE: Type "X" and Press Enter to EXIT :



AirGuide-1

EMISSION POINT AND CONTAMINANT ASSESSMENT OF DAR-1 ANALYSIS 12/ 2/ 9  
Page 1\*

EMISSION POINT	CAS NUMBER	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM (Cav.,Pt.,Area) % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
*****	*****	*****	*****	*****	*****
	00071-55-6	0.0947	0.0000	0.1233	0.1189
	00127-18-4	0.9203	0.0000	17.6200	1.5848
	00079-01-6	0.8546	0.0000	458.1203	475.7282
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "%" and Press Enter to EXIT : \_

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EMISSION POINT AND CONTAMINANT IMPACT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9  
Page 1\*

EMISSION POINT	CAS NUMBER	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM (Cav.,Pt.,Area) ug/m3	ACTUAL ANNUAL ug/m3	POTENTIAL ANNUAL ug/m3	ACTUAL ANNUAL ug/m3
*****	*****	*****	*****	*****	*****
	00071-55-6	64.42052460	0.00000000	1.23340082	1.18932058
	00127-18-4	9.20293140	0.00000000	0.17620012	0.01584794
	00079-01-6	119.63810700	0.00000000	2.29060149	2.37864114
SUMMARY TOTALS		193.26156300	0.00000000	3.70020243	3.58380966

END OF FILE: Type "%" and Press Enter to EXIT : \_

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Page 1

AGCs & SGCs

CAS NUMBER	CONTAMINANT NAME	SGC ug/m3	H O M	AGC ug/m3	H O M	T O X CODES
00071-55-6	METHYL CHLOROFORM	68000.00000	D	1000.000000000	D	L HI
00079-01-6	TRICHLOROETHYLENE	14000.00000	Z	0.500000000	D	M UHB
00127-18-4	TETRACHLOROETHYLENE	1000.00000	H	1.000000000	H	M UHI

Press < ← Enter > to continue scanning :  
Type "X" and then Press < ← Enter > to EXIT and return to ANALYSIS MENU.

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Page 1

CONTAMINANT EMISSIONS SUMMARY

CAS NUMBER	CONTAMINANT NAME	NUM. OF EPs PER CONTAM.	EMISSIONS (lbs/hour)	EMISSIONS (lbs/year)
00071-55-6	METHYL CHLOROFORM	1	0.0700000	590.61000
00079-01-6	TRICHLOROETHYLENE	1	0.1300000	1181.22000
00127-18-4	TETRACHLOROETHYLENE	1	0.0100000	7.87000
SUMMARY TOTALS		3	0.2100000	1779.70000

Press < ← Enter > to continue scanning :  
Type "X" and then Press < ← Enter > to EXIT and return to ANALYSIS MENU.



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c:\ AirGuide-1
LOC FAC EP DATE HA/hA hs D T U Q Dpl/D BW/S BL #
          feet feet in. degF fps acfm feet feet feet
CAS NUMBER EMISSIONS (lb/hr) EMISSIONS (lb/year) Rat %Ctrl
▽Bethpage Site 1
▽SIC: 0 SC: APP: p UTME: 0. UTMN: 0. ZONE: 0 BL DIR: 0.07
          12 2 9 5. 35. 8. 55. 46.70 1000.00 100. 40. 60. 3
00071-55-6 0.0700000000000000 590.61000000000000 0.0000
00127-18-4 0.0100000000000000 7.8700000000000000 0.0000
00079-01-6 0.1300000000000000 1181.22000000000000 0.0000

TOTAL: 0.2100000000000000 1779.70000000000000 < 3>
END OF FILE: Type "X" and Press Enter to EXIT : _

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C:\DOCUME~1\IBM\LOCALS~1\Temp\RARSEX-1.937\SCREEN3.EXE
y
ENTER MIN AND MAX DISTANCES TO USE (M):
0,100

*****
*** SCREEN AUTOMATED DISTANCES ***
*****

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

  DIST      CONC      STAB      U10M      USTK      MIX HT      PLUME      SIGMA      SIGMA      DWASH
  (M)      (UG/M**3)      (M/S)      (M/S)      (M)      HT (M)      Y (M)      Z (M)
-----
    1.      .0000          1         1.0       1.0       320.0      21.05       .99         .92         NO
   100.      704.1          1         1.0       1.0       320.0      21.05      26.95      14.14         NO
ITERATING TO FIND MAXIMUM CONCENTRATION . . .

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
  142.      755.1          2         1.0       1.0       320.0      21.05      26.77      14.98         NO

USE DISCRETE DISTANCES? ENTER Y OR N:
n

DO YOU WISH TO MAKE A FUMIGATION CALCULATION? ENTER Y OR N:

```

```

C:\DOCUME~1\IBM\LOCALS~1\Temp\RARSEX-1.937\SCREEN3.EXE

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
  142.      755.1          2         1.0       1.0       320.0      21.05      26.77      14.98         NO

USE DISCRETE DISTANCES? ENTER Y OR N:
n

DO YOU WISH TO MAKE A FUMIGATION CALCULATION? ENTER Y OR N:
n

*****
*** SUMMARY OF SCREEN MODEL RESULTS ***
*****

  CALCULATION      MAX CONC      DIST TO      TERRAIN
  PROCEDURE      (UG/M**3)      MAX (M)      HT (M)
-----
SIMPLE TERRAIN      755.1          142.         0.

*****
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
*****

DO YOU WANT TO PRINT A HARDCOPY OF THE RESULTS? ENTER Y OR N:

```



**AirGuide-1** - [ ] X

Bethpage Site 1  
 EMISSION POINT : p      DATE : 12/ 2/ 9

Page Number      1

Chemical Abstract Series NUMBER	EMISSIONS LBS./HOUR	EMISSIONS LBS./YEAR	EMISSIONS TONS/YEAR
*****	*****	*****	*****
00071-55-6	0.070	590.610	0.295
00127-18-4	0.010	7.870	0.004
00079-01-6	0.130	1181.220	0.591

Press < ← Enter > if all data is OK:     
 Type ANY CHARACTER and then Press < ← Enter > if you want to change data.

**AirGuide-1** - [ ] X

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 Page 1

CONTAMINANT ASSESSMENT SUMMARY OF DAR-1 ANALYSIS						
		SHORT-TERM	CAVITY		POINT or AREA SOURCE	
CAS NUMBER	AGC ug/m3	MAXIMUM (Cav., Pt., Area) % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC	
*****	*****	*****	*****	*****	*****	*****
00071-55-6	1000.00000000	0.0947	0.0000	0.1233	0.1189	
00079-01-6	0.50000000	0.8546	0.0000	458.1203	475.7282	
00127-18-4	1.00000000	0.9203	0.0000	17.6200	1.5848	
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320	

END OF FILE: Type "X" and Press Enter to EXIT :

CONTAMINANT ASSESSMENT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9  
Page 1

CAS NUMBER	AGC ug/m3	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM (Cav, Pt, Area) % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
00071-55-6	1000.00000000	0.0947	0.0000	0.1233	0.1189
00079-01-6	0.50000000	0.8546	0.0000	458.1203	475.7282
00127-18-4	1.00000000	0.9203	0.0000	17.6200	1.5848
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "%" and Press Enter to EXIT : \_

CONTAMINANT IMPACT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9  
Page 1

CAS NUMBER	AGC ug/m3	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM (Cav, Pt, Area) ug/m3	ACTUAL ANNUAL ug/m3	POTENTIAL ANNUAL ug/m3	ACTUAL ANNUAL ug/m3
00071-55-6	1000.00000000	64.42052460	0.00000000	1.23340082	1.18932058
00079-01-6	0.50000000	119.63810700	0.00000000	2.29060149	2.37864114
00127-18-4	1.00000000	9.20293140	0.00000000	0.17620012	0.01584794

END OF FILE: Type "%" and Press Enter to EXIT :



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EMISSION POINT AND CONTAMINANT ASSESSMENT OF DAR-1 ANALYSIS 12/ 2/ 9

Page 1\*

EMISSION POINT	CAS NUMBER	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM <Cav, Pt, Area> % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
	00071-55-6	0.0947	0.0000	0.1233	0.1189
	00127-18-4	0.9203	0.0000	17.6200	1.5848
	00079-01-6	0.8546	0.0000	458.1203	475.7282
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "%" and Press Enter to EXIT : \_

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EMISSION POINT AND CONTAMINANT IMPACT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9

Page 1\*

EMISSION POINT	CAS NUMBER	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM <Cav, Pt, Area> ug/m3	ACTUAL ANNUAL ug/m3	POTENTIAL ANNUAL ug/m3	ACTUAL ANNUAL ug/m3
	00071-55-6	64.42052460	0.00000000	1.23340002	1.18932058
	00127-18-4	9.20293140	0.00000000	0.17620012	0.01584794
	00079-01-6	119.63810700	0.00000000	2.29060149	2.37864114
SUMMARY TOTALS		193.26156300	0.00000000	3.70020243	3.58380966

END OF FILE: Type "%" and Press Enter to EXIT : \_

12/ 2/ 9  
Page 1

AGCs & SGCs

GAS NUMBER	CONTAMINANT NAME	SGC ug/m3	H O W	AGC ug/m3	H O W	CODES
00071-55-6	METHYL CHLOROFORM	68000.00000	D	1000.00000000	D L	HI
00079-01-6	TRICHLOROETHYLENE	14000.00000	Z	0.50000000	D M	UHB
00127-18-4	TETRACHLOROETHYLENE	1000.00000	H	1.00000000	H M	UHI

Press <  Enter > to continue scanning :  
 Type "X" and then Press <  Enter > to EXIT and return to ANALYSIS MENU.

12/ 2/ 9  
Page 1

CONTAMINANT EMISSIONS SUMMARY

GAS NUMBER	CONTAMINANT NAME	NUM. OF EPs PER CONTAM.	EMISSIONS (lbs/hour)	EMISSIONS (lbs/year)
00071-55-6	METHYL CHLOROFORM	1	0.0700000	590.61000
00079-01-6	TRICHLOROETHYLENE	1	0.1300000	1181.22000
00127-18-4	TETRACHLOROETHYLENE	1	0.0100000	7.87000
SUMMARY TOTALS		3	0.2100000	1779.70000

Press <  Enter > to continue scanning :  
 Type "X" and then Press <  Enter > to EXIT and return to ANALYSIS MENU.



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LOC FAC EP DATE HA/HA hs D T U Q Dp1/D BW/S BL #
          feet feet in. degF fps acfm feet feet feet
GAS NUMBER EMISSIONS (lb/hr) EMISSIONS (lb/year) Rat %Ctrl
▽Bethpage Site 1
▽SIC: 0 SC: APP: p UTME: 0. UTMN: 0. ZONE: 0 BL DIR: 0.0▽
12 2 9 5. 35. 8. 55. 46.70 1000.00 100. 40. 60. 3
00071-55-6 0.0700000000000000 590.61000000000000 0.0000
00127-18-4 0.0100000000000000 7.8700000000000000 0.0000
00079-01-6 0.1300000000000000 1181.22000000000000 0.0000

TOTAL: 0.2100000000000000 1779.70000000000000 < 3>
END OF FILE: Type "%" and Press Enter to EXIT : _

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 Bethpage Site 1  
 EMISSION POINT : p DATE : 12/ 2/ 9  
 CONTAMINANT EMISSIONS DATA Page Number 1

Chemical Abstract Series NUMBER	EMISSIONS LBS./HOUR	EMISSIONS LBS./YEAR	EMISSIONS TONS/YEAR
00071-55-6	0.070	590.610	0.295
00127-18-4	0.010	7.870	0.004
00079-01-6	0.130	1181.220	0.591

Press < ← Enter > if all data is OK: \_  
 Type ANY CHARACTER and then Press < ← Enter > if you want to change data.

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 CONTAMINANT ASSESSMENT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9  
 Page 1  
 SHORT-TERM CAVITY POINT or AREA SOURCE

CAS NUMBER	AGC ug/m3	MAXIMUM <Cav, Pt, Area> % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
00071-55-6	1000.00000000	0.0947	0.0000	0.1233	0.1189
00079-01-6	0.50000000	0.8546	0.0000	458.1203	475.7282
00127-18-4	1.00000000	0.9203	0.0000	17.6200	1.5848
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "X" and Press Enter to EXIT :



CA AirGuide-1 - □ X

CONTAMINANT ASSESSMENT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9

Page 1

CAS NUMBER	AGC ug/m3	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM <Cav. Pt. Area> % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
00071-55-6	1000.00000000	0.0947	0.0000	0.1233	0.1189
00079-01-6	0.50000000	0.8546	0.0000	458.1203	475.7282
00127-18-4	1.00000000	0.9203	0.0000	17.6200	1.5848
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "X" and Press Enter to EXIT : \_

CA AirGuide-1 - □ X

CONTAMINANT IMPACT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9

Page 1

CAS NUMBER	AGC ug/m3	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM <Cav. Pt. Area> ug/m3	ACTUAL ANNUAL ug/m3	POTENTIAL ANNUAL ug/m3	ACTUAL ANNUAL ug/m3
00071-55-6	1000.00000000	64.42052460	0.00000000	1.23340082	1.18932058
00079-01-6	0.50000000	119.63810700	0.00000000	2.29060149	2.37864114
00127-18-4	1.00000000	9.20293140	0.00000000	0.17620012	0.01584794

END OF FILE: Type "X" and Press Enter to EXIT :

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EMISSION POINT AND CONTAMINANT ASSESSMENT OF DAR-1 ANALYSIS 12/ 2/ 9  
Page 1\*

EMISSION POINT	CAS NUMBER	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM <Cav, Pt, Area> % OF SGC	ACTUAL ANNUAL % OF AGC	POTENTIAL ANNUAL % OF AGC	ACTUAL ANNUAL % OF AGC
*****	*****	*****	*****	*****	*****
	00071-55-6	0.0947	0.0000	0.1233	0.1189
	00127-18-4	0.9203	0.0000	17.6200	1.5848
	00079-01-6	0.8546	0.0000	458.1203	475.7282
SUMMARY TOTALS		1.8696	0.0000	475.8637	477.4320

END OF FILE: Type "X" and Press Enter to EXIT : \_

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EMISSION POINT AND CONTAMINANT IMPACT SUMMARY OF DAR-1 ANALYSIS 12/ 2/ 9  
Page 1\*

EMISSION POINT	CAS NUMBER	SHORT-TERM	CAVITY	POINT or AREA SOURCE	
		MAXIMUM <Cav, Pt, Area> ug/m3	ACTUAL ANNUAL ug/m3	POTENTIAL ANNUAL ug/m3	ACTUAL ANNUAL ug/m3
*****	*****	*****	*****	*****	*****
	00071-55-6	64.42052460	0.00000000	1.23340082	1.18932058
	00127-18-4	9.20293140	0.00000000	0.17620012	0.01584794
	00079-01-6	119.63810700	0.00000000	2.29060149	2.37864114
SUMMARY TOTALS		193.26156300	0.00000000	3.70020243	3.58380966

END OF FILE: Type "X" and Press Enter to EXIT : \_



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Page 1

AGCs & SGCs

CAS NUMBER	CONTAMINANT NAME	SGC ug/m3	H O W	AGC ug/m3	H O W	T O X C O D E S
00071-55-6	METHYL CHLOROFORM	68000.00000	D	1000.000000000	D	L HI
00079-01-6	TRICHLOROETHYLENE	14000.00000	Z	0.500000000	D	M UHB
00127-18-4	TETRACHLOROETHYLENE	1000.00000	H	1.000000000	H	M UHI

Press < ← Enter > to continue scanning :  
Type "X" and then Press < ← Enter > to EXIT and return to ANALYSIS MENU.

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12/ 2/ 9  
Page 1

CONTAMINANT EMISSIONS SUMMARY

CAS NUMBER	CONTAMINANT NAME	NUM. OF EPs PER CONTAM.	EMISSIONS (lbs/hour)	EMISSIONS (lbs/year)
00071-55-6	METHYL CHLOROFORM	1	0.0700000	590.61000
00079-01-6	TRICHLOROETHYLENE	1	0.1300000	1181.22000
00127-18-4	TETRACHLOROETHYLENE	1	0.0100000	7.87000
SUMMARY TOTALS		3	0.2100000	1779.70000

Press < ← Enter > to continue scanning :  
Type "X" and then Press < ← Enter > to EXIT and return to ANALYSIS MENU.

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c:\ AirGuide-1
  LOC FAC  EP  DATE HA/hA  hs  D  T  U  Q  Dpl/D  BW/S  BL  #
  CAS NUMBER  EMISSIONS <lb/hr>  EMISSIONS <lb/year>  Rat %Ctrl
  Bethpage Site 1
  VSIC:  0 SC:  APP:  p  UTME:  0.  UTMN:  0.  ZONE:  0  BL DIR:  0.0v
  12 2 9  5. 35.  8. 55. 46.70 1000.00 100. 40. 60. 3
00071-55-6  0.0700000000000000  590.610000000000000  0.0000
00127-18-4  0.0100000000000000  7.870000000000000  0.0000
00079-01-6  0.1300000000000000  1181.220000000000000  0.0000

TOTAL:  0.2100000000000000  1779.700000000000000  <  3>
END OF FILE:  Type "X" and Press Enter to EXIT :  _

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