

Department of **Environmental Protection**

Lawton Chiles Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee. Florida 32399-2400

Virginia B. Wetherell Secretary

October 14, 1997

Mr. Charles Kalbfelo Hi Tech Cleaners 5525 Roosevelt Boulevard Clearwater, Florida 33706

Re: Facility No.: 1030399

Dear Mr. Kalbfelo:

The Department has received the Title V General Permit Notification Form for the dry cleaning facility that you submitted on August 19, 1997.

Please note that in January of each year the Department will be mailing fee notices to those facilities using the Title V general permit. This annual operation fee is \$50 and it is due and payable between January 15 and March 1 of each year the facility is in operation and is subject to the requirements of the Title V general permit.

If you have or expect to have any changes in your mailing address, location address, responsible official, or phone number, please notify the Department at the following address:

Title V General Permits Office Bureau of Air Monitoring and Mobile Sources MS 5510 Department of Environmental Protection 2600 Blair Stone Road Tallahassee, Fl 32399-2400

If there are any changes in the facility status, including change of operating parameters or equipment, or if you have any additional questions regarding the Title V General Permit Program, please contact the District or local air program compliance inspector in your area.

Sincerely,

Dotty Diltz, Chief

Bureau of Air Monitoring

and Mobile Sources

DD/jw

cc: Mr. Gary Robbins, Pinellas County

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

RECEIVED

Perchloroethylene Dry Cleaning Facility Notification

AUG 1 9 1997

Facility Name and Location

Bureau of Air Monitoring

| 1. Facility Owner/Company Name (Name of corporation, agency, or individual owner): & Mobile Source |
|--|
| MARKAL LIMITED INC. DBA HITECH CLEANERS |
| 2. Site Name (For example, plant name or number): |
| HI TECH CLEANERS |
| 3. Hazardous Waste Generator Identification Number: |
| • |
| FLD 982174401 |
| 4. Facility Location: 5523 ROOSEVELT BLVD Street Address: |
| City: CLEARWATER County: PINELLAS Zip Code: 33706 |
| 5. Facility Identification Number (DEP Use): |
| 1030399 |
| Responsible Official |
| Name and Title of Responsible Official: |
| A. CHARLES KALBFELD |
| 7. Responsible Official Mailing Address: |
| Organization/Firm: HI TECH CLEANERS Street Address: 5523 ROBSEVELT BLVD 33706 |
| City: CLEARWATER County: PINELLAS Zip Code: 33706 |
| 8. Responsible Official Telephone Number: |
| Telephone: (813)536 - 1288 Fax: () |
| Facility Courty 4 (16 different for Description Official) |
| Facility Contact (If different from Responsible Official) |
| 9. Name and Title of Facility Contact (For example, plant manager): |
| CHARLES KALBFELP OWNER |
| 10. Facility Contact Address: Some |
| Street Address: |
| City: County: Zip Code: |
| 11. Facility Contact Telephone Number: |
| Telephone: () SAME Fax: () |

DEP Form No. 62-213.900(2) Effective: 6-25-96

Page 13 of 16

Facility Information

1.(a) Provide the information below for each machine at the facility. Indicate the type of machine, the date of its purchase, and the date the control device was installed, if applicable.

| | | Date | Date | | Date | Date | | Date . | Date |
|--|----------------|------------------|---------------|--------------|--|----------------------------|----------|-----------------|----------------|
| | | Machine | Control | | Machine | Control | | Machine | Control |
| | | Initially | Device | | Initially | Device | | Initially | Device |
| Type of Machine | ID | Purchased | Installed | ID | Purchased | Installed | ID | Purchased | Installed |
| Example | #1 | 03-OCT-93 | 12-NOV-93 | #2 | 08-DEC-91 | , | #3 | 02-MAR-92 | 02-MAR-92 |
| Dry-to-Dry Unit | | 0 H 1 5/88 | | | | | | | • |
| (1) w/ ref. condenser | 15 | 100 | I | #/ | 12/1/88 | at Factor | <u>:</u> | i – | T |
| (2) w/ carbon adsorber | 202 | | | 1 | 1071700 | ar 1 army | | | |
| (3) w/ no controls | <u> </u> | 1 | - | 1 | | | | | |
| Washer Unit | | | | | | | | | |
| (4) w/ ref. condenser | | | 1 | | | | | | |
| (5) w/ carbon adsorber | | - | | | | | | | |
| (6) w/ no controls | | <u> </u> | | | | _ | | | |
| Dryer Unit | | _ | <u> </u> | | | | | | |
| (7) w/ ref. condenser | | T | | I | i | | | 1 | |
| (8) w/ carbon adsorber | - | 1 | | | | · | | | |
| (9) w/ no controls | | | | | | | | <u> </u> | - |
| Reclaimer Unit | | | · · · | | | | | <u> </u> | <u>.</u> |
| (10) w/ ref. condenser | | | T | | 1 | | | | T . |
| (11) w/carbon adsorber | | | | | ļ | | | | |
| (12) w/ no controls | | | ~~ - | | | | | | |
| (b) Control devices are(c) No control devices | • | • • | | | | | | | |
| | • | : | | | | | | | |
| (2)(a)) What was the total (| quant gallo | ity of perchlons | oroethylene (| perc) | purchased in | the latest 12 Lune 96 7 | mor | ths? June 97 | |
| (b) If less than 12 mont Check why it is less | hs, h | ow many? | months | | | | | | |
| | | | | | | | | | |
| 3. What is the facility's so (Indicate with an "X". | | | | | initions found | in section (3 | s) of | Part II? | |
| Existing small ar | ea so | urce [] | Ne | ew sn | nall area sour | rce [] | | | • |
| Existing large ar | ea soi | urce 📆 | Ne | ew la | rge area sour | ce [] | | | |

DEP Form No. 62-213.900(2)

Effective: 6-25-96

| What control technology is required on machines pursuant to section (5) of Part II of this notification form? (Indicate with an "X".) |
|---|
| Existing large area source Carbon adsorber Refrigerated condenser |
| New small area source Refrigerated condenser [] |
| New large area source Refrigerated condenser [] |
| |
| |
| 5. A facility which contains non-exempt emissions units shall not be eligible to use the general permit pursuant to Rule 62-213.300, F.A.C. Verify that all steam and hot water generating units on-site meet the following exemption criteria or that no such units exist on-site: |
| All steam and hot water generating units on-site (1) have a total heat input of 10 million BTU/hr or less (298 boiler HP or less), and (2) are fired exclusively by natural gas except for periods of natural gas curtailment during which propane or fuel oil containing no more than one percent sulfur is fired. |
| All steam and hot water generating units exempt No such units on-site |
| |
| |
| Equipment Monitoring and Recordkeeping Information |
| Check all logs which are required to be kept on-site in accordance with the requirements of this general permit: |
| (a) Purchase receipts and solvent purchases |
| (b) Leak detection inspection and repair |
| (c) Refrigerated condenser temperature monitoring |
| (d) Carbon adsorber exhaust perc concentration monitoring |
| (e) Instrument calibration |
| (f) Start-up, shutdown, malfunction plan |

DEP Form No. 62-213.900(2) Effective: 6-25-96

#1030399

| · | Hi Tech Cleaners |
|-------|--|
| 7 13 | 6 add title-Owner (from 9.) |
| • | |
| D.15 | 2.(a) mark out "N/A", add "110" 4. mark out "V" |
| p.16- | -choose one |
| | |
| | |
| | (|
| | · · · · · · · · · · · · · · · · · · · |
| : | · |
| | <u> </u> |
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| | |
| | |
| | |

Surrender of Existing Air Permit(s)

| I hereby surrender all existing air permits authorizing operation of the facility indicated in this notification form; specifically, permit number(s) This information is also available |
|--|
| No air permits currently exist for the operation of the facility indicated in this notification form. |
| Responsible Official Certification |
| I, the undersigned, am the responsible official, as defined in Part II of this form, of the facility addressed in this notification. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this notification are true, accurate and complete. Further, I agree to operate and |
| maintain the air pollutant emissions units and air pollution control equipment described above so as to comply with all terms and conditions of this general permit as set forth in Part II of this notification form. |

PERCHLOROETHYLENE DRY CLEANERS

TITLE V GENERAL PERMIT COMPLIANCE INSPECTION CHECKLIST

TYPE OF INSPECTION:

| TYPE OF INSPECTION: | ANNUAL RE-INSPECTIO | C COMPLAINT/DISCOVERY | |
|--|--|---|----------|
| FACILITY NAME: FACILITY LOCATION: PART I: NOTIFICATION (check appropriate box) 1. Existing facility notified DARM 3 | Highle Highle 1-arga Mby 9/1/96. | ighland Ave. | M |
| 3. Facility failed to notify DARN | | | O. |
| THE RESERVE TO STREET, | | | |
| PART II: CLASSIFICATION | | | |
| Facility indicated on notification (check appropriate box) | n form that it is: | | |
| A. 1. Existing small area source dry-to-dry only, x<140 gal/yr transfer only, x<200 gal/yr both types, x<140 gal/yr (constructed before 12/9/91) | e 🗖 | 2. New small area source dry-to-dry only, x<140 gal/yr transfer only, x<200 gal/yr both types, x<140 gal/yr (constructed on or after 12/9/91) | |
| 3. Existing large area source dry-to-dry only, 140 <x<2, (constructed="" 100="" 12="" 140<x<1,800="" 200<x<1,800="" 9="" 91)<="" before="" both="" ga="" gal="" only,="" td="" transfer="" types,="" y=""><td>gal/ут l/ут</td><td>4. New large area source dry-to-dry only, 140<x<2, (constructed="" 100="" 12="" 140<x<1,800="" 200<x<1,800="" 9="" 91)<="" after="" both="" gal="" on="" only,="" or="" td="" transfer="" types,="" yr=""><td></td></x<2,></td></x<2,> | gal/ут l/ут | 4. New large area source dry-to-dry only, 140 <x<2, (constructed="" 100="" 12="" 140<x<1,800="" 200<x<1,800="" 9="" 91)<="" after="" both="" gal="" on="" only,="" or="" td="" transfer="" types,="" yr=""><td></td></x<2,> | |
| This is a correct facility classification | ation | ØY □N | |
| If no, please check the appropria | te classification: | • | |
| | l for a general perr above limits and i | mit as number above s not eligible for a general permit | |
| B. The total quantity of perchlore facility was gallons. | oethylene (perc) pu | archased within the preceding 12 months by this dry o | cleaning |

BEST AVAILABLE COPY

| PART III: GENERAL CONTROL REQUIREMENTS | |
|--|-------------------|
| Is the responsible official of the dry cleaning facility: (check appropriate boxes) | |
| 1. Storing perchloroethylene in tightly scaled and impervious containers? | ron Yen |
| 2. Examining the containers for leakage? | BY DN |
| 3. Closing and securing machine doors except during loading/unloading? | NO YO |
| 4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal? | MY ON |
| 5. Maintaining solvent-to-carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications? | OY ON MINIA |
| | |
| PART IV: PROCESS VENT CONTROLS | |
| In Part II-A: | |
| If classification 1 has been checked, no controls are required. Proceed to Part V. | |
| If classification 2 has been checked, the machine should be equipped with a refrig (complete A below). | gerated condenser |
| If classification 3 has been checked, the machine should be equipped with either a condenser or a carbon adsorber (complete A and B below). Carbon adsorber must installed prior to September 22, 1993 | |
| If classification 4 has been checked, the machine should be equipped with a refrig (complete A and B below). | erated condenser |
| A. Has the responsible official of all new sources and existing large area sources: (check appropriate boxes) | |
| 1. Equipped all machines with the appropriate vent controls? | DY ON |
| 2. Equipped dry-to-dry machines with a closed-loop vapor venting system? | MY ON ON/A |
| 3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door? | GY ON ON/A |
| 4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis? | DY DX |
| 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45° F? | OY ON |
| 6. Conducted all temperature monitoring after an appropriate cooldown period and after verifying that the coolant had been completely charged? | DY ON |
| B. Has the responsible official of an existing large or new large area source also: | . , |
| Measured and recorded the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines on a weekly basis? | OA 6W |

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| Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly? | ОУ ОИ |
|---|-------------|
| Is the temperature differential equal to or greater than 20° F? | OY ON |
| 3. Measured and recorded the perc concentration in the exhaust stream weekly at the end of the final drying cycle while the machine is venting to the adsorber if machines are equipped with a carbon adsorber? Is the perc concentration equal to or less that 100 ppm? | OY ON ON/A |
| 4. Assured that the sampling port on the carbon adsorber ethouse for measuring perc concentrations is at least 8 duct diameters downstream or any bend, contraction, or expansion; is at least 2 duct diameters upstream from any bend, contraction, or expansion; and downstream from no other inlet? | OY ON |
| 5. Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils? | OY ON ON/A |
| 6. Routed airflow to the carbon adsorber (if used) at all times? | OY ON ON/A |
| | |
| PART V: RECORDKEEPING REQUIREMENTS | |
| Has the responsible official: | |
| (check appropriate boxes) | 10 |
| Maintained receipts for perc purchased? Maintained rellies monthly and for the second seco | MY ON |
| 2. Maintained rolling monthly averages of perc consumption? | DY WN |
| 3. Maintained leak detection inspection and repair reports for the following: | 1 |
| a. documentation of leaks repaired w/in 24 hrs? or; | ery on / |
| b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? | M DN |
| 4. Maintained calibration data? (for direct reading instruments only) | מ/אם אם עם |
| 5. Maintained exhaust duct monitoring data on perc concentrations? | OY NO YA |
| 6. Maintained startup/shutdown/malfunction plan? | DAY ON |
| 7. Maintained deviation reports? | MO AM |
| Problem corrected? | OY ON / |
| 8. Maintained compliance plan, if applicable? | DY DN DN/A |
| | |
| PART VI: LEAK DETECTION AND REPAIRS | |
| | |
| 1. Does the responsible official conduct a weekly leak detection and repair inspection? | DY ON |
| Does the responsible official conduct a weekly leak detection and repair inspection? Which method of detection is used by the responsible official? | DY ON |
| •/ | |
| 2. Which method of detection is used by the responsible official? | DAY DN |

Use of direct-reading instrumentation (FID/PID/calorimetric tubes)

| If using direct-reading instrum | entation | , is the equi | pment: | | |
|--|-----------|------------------|-----------------------------|--------|-----------|
| a. Capable of detecting perc vapor concentrations in a range of 0-500 ppm? | | | | | אכ |
| b. Calibrated against a s | standard | gas prior to | and after each use | | |
| (PID/FID only)? | | Ho | 011000 | DY | אכ |
| c. Inspected for leaks at | d obvio | r signs of | ear off a weekly basis? | | NE |
| d. Kept in a clean and | ecure are | a when not | in use? | DY C | . אב |
| e. Verified for accuracy | by use o | f duplicate s | amples (calorimetric only)? | DY C | אכ |
| 3. Has the facility maintained a leak log? | | | | OY C | מכ |
| 4. The following areas should be checked | for leak | s by the insp | ector: | | |
| · | Leak I | Detected? | | Leak I | Detected? |
| Hose connections, fittings, | | | Mode and lane | CV | MN |
| couplings, and valves | ΩY | MN | Muck cookers | ΩY | / / |
| Door gaskets and seating | ΠY | GN | Stills | ΠY | QN |
| Filter gaskets and scating | ΩY | ØN, | Exhaust dampers | ΠY | BN |
| Pumps | Ο̈́Υ | DAN/ | Diverter valves | ΟÝ | GIN |
| Solvent tanks and containers | ΩY | ВN | Cartridge filter housings | ПΥ | ŒΝ |
| Water separators | ΟY | ω _γ ν | | | |
| Name of Responsible Official | A al | | J f | | |

Name of Responsible Official

Inspector's Rignature

Date of Inspection

Approximate Date of Next Inspection

ADDITIONAL SITE INFORMATION:

Renzacci

FATRIO 7 SYSTEM-505 Sec # 14886 Mfg: 8/96

- Facility maintains a weekly leak log.
- No weekly temp sensor monitoring
- Evaporates wastewater - No accuracy temp. design

- Boiler: Hurst 1994 10HP operating on natural gas
- No evap of haz waste removal for waste water.
- Has secondary containment for machine a perc waste.

DRY CLEANER AIR QUALITY GENERAL PERMIT ANNUAL COMPLIANCE CERTIFICATION FORM MARK AT ... BUTER OF MICHIGAN COMPLIANCE CERTIFICATION FORM

| | Do <u>NC</u> | OT Remove 1 | Label | | | | |
|---|-----------------------|---------------------|---------|-------------------|--------------|----------------|---------------------------------|
| Annual Reporting Period: | 6/26 | 19 <u>97</u> | то | Dec | 31 | 1997 | |
| Based on each term or condition of the Title of 62-213.300, Florida Administrative Code (F. | | | | | | | le NO |
| If NO, complete the following: | | | | | | | |
| #1. Term or condition of the general permit t | hat has not been in c | ontinuous c | omplia | ance during | the reporti | ng period sta | ted above: |
| Exact period of non-compliance: from | | | | _ to | | | |
| Action(s) taken to achieve compliance: | • | | | | | | • |
| Method used to demonstrate compliance: | | | | | | | |
| #2. Term or condition of the general permit t | hat has not been in c | ontinuous c | omplia | ance during | the reporti | ng period stat | ed above: |
| Exact period of non-compliance: from | | | | to | _ | - | |
| Method used to demonstrate compliance: | | | | | | | |
| As the responsible official, I hereby certify, based notification are true, accurate and complete. Fu does not exceed 2,100 gallons per year for dry-to | rther, my annual cons | umption of p | oerchlo | roethylene se | olvent, base | d upon purcha | s made in this use receipts, |
| RESPONSIBLE OFFICIAL: CHARLE Nam | e (Please Print) | <u>-0</u> | 8 | Nar Ce Signatu | teell- re | fao s | 2/19/98 Date |

*This form is made available to you as an aid in order to meet your annual compliance certification requirements. It is at the discretion of the responsible official to use this form.

8/3-536-1288

11/06/97

AIRS ID#: 1030399 001

Revised 10/10/96

DRY CLEANER AIR QUALITY GENERAL PERMIT ANNUAL COMPLIANCE CERTIFICATION FORM

| FACILITY NAME: <u>H</u> | Tech Cleaners | | DATE: 7/21/98 |
|---|---|--|---|
| FACILITY LOCATION: | 55 23 Roosevelt | Bowlevard | <u>, </u> |
| | Clearwater FL | 33 706 | |
| Annual Reporting Period: | 2/97 December 31 | _19 <u>97</u> то | 198 July 21 1998 |
| | of the Title V general air permit, rive Code (F.A.C.), during the perio | | |
| If NO, complete the following: | | | |
| #1. Term or condition of the gen | neral permit that has not been in co | ontinuous compliance during | the reporting period stated above: |
| Exact period of non-compliance: | from | to | AL ALL |
| Action(s) taken to achieve compl | iance: | | \$ 00 L |
| Method used to demonstrate com | pliance: | <u>-</u> | OF THE STATE OF |
| #2. Term or condition of the gen | eral permit that has not been in co | ontinuous compliance during t | the reporting period stated above: |
| Exact period of non-compliance: | from | to | |
| Action(s) taken to achieve compl | iance: | | |
| Method used to demonstrate com | pliance: | | · |
| made in this notification are true, upon rolling averages of purchas year for transfer or combination | 10 | my annual consumption of p gallons per year for dry-to dr | erchloroethylene solvent, based |
| responsible official: | 八、「HACLES KALB/ Name (Please Print) | EW Acherle Signatur | $\frac{\text{cell} \mathcal{L}}{\text{re}} = \frac{7/21/98}{\text{Date}}$ |

^{*}This form is made available to you as an aid in order to meet your annual compliance certification requirements. It is at the discretion of the responsible official to use this form.

TITLE V AIR QUALITY AIR GENERAL PERMIT INSPECTION SUMMARY REPORT

| TYPE OF INSPECTION: | ANNUAL G-COMPLAINT/DISCOVERY G RE-INSPECT | TION 🔲 . |
|-----------------------|---|--|
| AIRS ID#: 1030399 001 | DATE: 7/21/98 TIME IN: 450 TIME OUT | : 2:20 |
| FACILITY NAME: | Hi Tech Cleaners | <u>. </u> |
| FACILITY LOCATION: | 5523 Roosevelt Blvd. | · . |
| | Clearwater, FL, 33706 | |
| RESPONSIBLE OFFICIA | AL: A. Charles Kalbfeld & Phone: 80536-12 | 88 |
| Permit No. 1030399 | 9-001-AG Exp. Date: 09/05/2002 | · |

- Based of the results of the compliance requirements evaluated during this inspection, the facility is found to be in compliance with DEP Rule 62-213.300, Florida Administrative Code (F.A.C.).
- Based on the results of the compliance requirements evaluated during this inspection, the following compliance <u>discrepancies</u> were noted (only items which are checked):

Inspection Summary Report Guidance

| Compliance Requirement/Problem | Follow-up Action Required |
|---|---|
| Did not have a start-up, shutdown, malfunction (SSM) plan in place, along with associated recordkeeping, on site. | If no specific procedures are available from the manufacturer, develop a SSM plan that describes procedures for maintaining and operating equipment during periods of start-up and shutdown associated with a malfunction. EPA's O&M manual may be used if no manufacturers information is available. Keep log of maintenance actions |
| Purchase receipts were not maintained properly. | Maintain all purchase receipts in a log kept on-site for determination of perchloroethylene solvent consumption. |
| Monthly purchase records were not maintained as a consecutive twelve month total. | Develop and implement a recordkeeping procedure that maintains monthly purchases (perc) as a consecutive twelve month total. |
| Could not confirm that temperature sensor was designed to measure 45°F with an accuracy of ±2°F. | Obtain verification from the manufacturer that the temperature sensor is designed to measure 45°F with an accuracy of ±2°F, or determine this by another method that the Department would consider appropriate. |
| Evaporator for separator wastewater does not incorporate a pre-filtration system. | Facility may choose to either dispose of perc-containing separator water as hazardous waste, or incorporate a carbon filtration system with the evaporator (as per the State's guidelines). |
| Did not store all perc, and perc-containing waste in tightly sealed containers. | Store all perc and perc-containing waste in tightly sealed containers which are impervious and chemically unreactive to the solvent. |
| Did not maintain a log of leak detection inspection and repair records. | Develop and implement a leak detection inspection and repair program. Maintain a log of leak detection inspection and repair records. |

| _ | | |
|---|---|---|
| | Compliance Requirement/Problem | Follow-up Action Required |
| | Did not conduct weekly leak detection and repair inspection. | Develop and implement a leak detection inspection and repair program. Use at least one of the methods outlined in Part II, Section 7(a), of the general permit provisions, to detect leaks. Inspect the items listed in Part II, Section 7(b), for leaks. Repair leaks within 24 hours of detection, unless repair equipment must be ordered. |
| | No calibration records for the mechanical direct reading instrumentation (halogen detector) were available. | Mechanical direct-reading instrumentation shall be operated as directed by the manufacturer and must meet the conditions in Part II, Section 7(e) of the general permit provisions |
| | Did not measure and record the outlet temperature of the refrigerated condenser on the dry-to-dry machine (dryer, reclaimer) on a weekly basis. | Develop and implement a monitoring program. Measure and record the outlet temperature on a weekly basis. The temperature, measured at the end of the drying cycle, must not exceed 45°F. |
| | Airflow is directed towards the refrigerated condenser upon the door being opened and no diverter valve is in place. | Equip the condenser with a diverter valve to prevent air flow to the refrigerated condenser when the door is opened. |
| | The outlet exhaust temperature of the refrigerated condenser exceeds 45°F and was not repaired within 24 hours. | Repair or adjust condenser within 24 hours of measurement indicating that the outlet exhaust temperature of the refrigerated condenser exceeds 45°F. The repair shall be documented in the monitoring record log. |
| | Machine doors are not closed and secure during times other than loading and unloading. | Keep doors closed and secured at all times except during loading and unloading. |
| | Temperature monitoring was not conducted after an appropriate cooldown period and after verifying that the coolant was completely charged. | Conduct all temperature monitoring following an appropriate cooldown period and after verifying that the coolant has been completely charged. |
| | Containers for perchloroethylene and/or perchloroethylen-containing waste were found to be leaking. | Examine the containers, used for storing perchloroethylene and/or perchloroethylene-containing waste, for leakage. |
| | | |
| | | |
| | Comments: | <u> </u> |
| | | |
| | | |
| | If the Inspection Summary Report indicates follow-up a measures to achieve compliance. Pinellas County will corrective actions have been taken. | actions are required, you must take immediate corrective perform a follow-up inspection to determine that proper |
| | Inspection Conducted by: Margaret Henni | is |
| | Inspector's Signature: Magast Heu | nes |
| | Phone Number: 464-4422 | _ |

PERCHLOROETHYLENE DRY CLEANERS TITLE V GENERAL PERMIT COMPLIANCE INSPECTION CHECKLIST

| RE-INSPECTION COMPLAINT/DISCOVERY RE-INSPECTION | |
|--|-----------------|
| AIRS ID#: 1030399 001 DATE: 7/21/98 TIME IN: 1550 TIME OUT: FACILITY NAME: Hi Tech Cleaners FACILITY LOCATION: 5523 Roosevelt Blvd. Clearwater, FL, 33706 RESPONSIBLE OFFICIAL: A. Charles Kalbfeld CONTACT: All feld BHONE: | |
| CONTACT: Chare Kall feld | |
| PART I: NOTIFICATION | |
| (Check appropriate box) | |
| 1. Existing facility notified DARM By 9/1/96 | <u>u</u> |
| 2. New facility notified DARM 30 days prior to startup | |
| 3. Facility failed to notify DARM to use general permit | |
| | |
| PART II: CLASSIFICATION | |
| Facility indicated on notification form that it is: (Check appropriate box) No notification form Drop store / out of business / petrole | eum |
| A. 1. Existing small area source dry-to-dry only, x<140 gal/yr transfer only, x<200 gal/yr both types, x<140 gal/yr (Constructed before 12/9/91) 2. New small area source dry-to-dry only, x<140 gal/yr transfer only, x<200 gal/yr both types, x<140 gal/yr (Constructed on or after 12/9/91) | . |
| 3. Existing large area source dry-to-dry only, 140 < x < 2,100 gal/yr transfer only, 200 < x < 1,800 gal/yr both types, 140 < x < 1,800 gal/yr (Constructed before 12/9/91) 4. New large area source dry-to-dry only, 140 < x < 2,100 gal/yr transfer only, 200 < x < 1,800 gal/yr both types, 140 < x < 1,800 gal/yr (Constructed on or after 12/9/91) | T |
| This is a correct facility classification: | |
| If no, please check the appropriate classification: facility qualified for a general permit as number above facility exceeds above limits and is not eligible for a general permit | |
| B. The total quantity of perchloroethylene (perc) purchased within the preceding 12 months by the facility was 100 gallons. | is dry cleaning |

| PART III: GENERAL CONTROL REQUIREMENTS | | | |
|---|---------------------|-----------------------|--------|
| Is the responsible official of the dry cleaning facility: (check appropriate boxes) | | | |
| 1. Storing perchloroethylene in tightly sealed and impervious containers? | Y | \square_N | □NA |
| 2. Examining the containers for leakage? | □ Y | \square_N | □NA |
| 3. Closing and securing machine doors except during loading/unloading? | ΨY | ΠN | |
| 4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal? | ΔY | □N | □ŃA |
| 5. Maintaining solvent-to- carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications? | ☐ Y | ΠN | ŪŀŃA |
| | | | : |
| PART IV: PROCESS VENT CONTROLS | - | | |
| In Part II-A: | | | |
| If classification (1) has been checked, no controls are required. Proceed to Pa | rt V. | / | |
| If classification (2) has been checked, the machine should be equipped with a (complete A below) | refrige | rated cond | enser |
| If classification (3) has been checked, the machine should be equipped with eicondenser or a carbon adsorber (complete A and B below). Carbon adsorber installed prior to September 22, 1993. | ther a r must ha | efrigerate we been | d |
| If classification (4) has been checked, the machine should be equipped with a (complete A and B below.) | refrige | rated cond | lenser |
| A. Has the responsible official of all new sources and existing large area sour (check appropriate boxes) | rces: | | |
| 1. Equipped all machines with the appropriate vent controls? | ☐ Y | □N | |
| 2. Equipped dry-to-dry machines with a closed-loop vapor venting system? | ☐ Y | ΠN | □ NA |
| 3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door? | ΩY | □N | □NA |
| 4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly/bi-weekly basis? | ΩY | □N | |
| 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45°F? | Y | ΠN | □NA |
| 6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged? | □ Y | □N | |

| D | Has the responsible official of an existing large or new large area source also: | |
|----|---|------------|
| ъ. | Thas the responsible official of an existing large of her large area source also. | |
| 1. | Measured and recorded the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines on a weekly basis? | DY DN |
| 2. | Measured and recorded the washer exhaust temperature at the condenser | |
| | inlet and outlet weekly? | DY DN DN/A |
| | Is the temperature differential equal to or greater than 20° F? | □Y □N □N/A |
| 3. | Measured and recorded the perc concentration in the exhaust stream weekly at the end of the final drying cycle while the machine is venting to the adsorber, | |
| | if machines are equipped with a carbon adsorber? | □Y □N □N/A |
| | Is the perc concentration equal to or less than 100 ppm? | □Y □N □N/A |
| 4. | Assured that the sampling port on the carbon adsorber exhaust for measuring perc concentrations is at least 8 duct diameters downstream of any bend, contraction, or expansion; is at least 2 duct diameters upstream from any bend, contraction, | |
| | or expansion; and downstream from no other inlet? | OY ON ON/A |
| 5. | Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils? | OY ON ON/A |
| 6. | Routed airflow to the carbon adsorber (if used) at all times? | OY ON ON/A |

PART V: RECORDKEEPING REQUIREMENTS Has the responsible official: (check appropriate boxes) DN YE 1. Maintained receipts for perc purchased? MY ON 2. Maintained rolling monthly total of perc consumption? 3. Maintained leak detection inspection and repair reports for the following: a. documentation of leaks repaired w/in 24 hrs? or; DY DN DN/A b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? DY ON ON/A DY DN DMA 4. Maintained calibration data? (for applicable direct reading instruments) DY DN DN/A 5. Maintained exhaust duct monitoring data on perc concentrations? OY ON 6. Maintained startup/shutdown/malfunction plan? 7. Maintained deviation reports? no deviation ON ON/A OY ON ON/A Problem corrected? 8. Maintained compliance plan, if applicable? DY DN DNYA

| PART VI: LEAK DETECTION AND R | EPAIRS | | |
|--|-------------------------------|-----------------------------|------------------|
| 1. Does the responsible official conduct a | weekly (for small sources, b | i-weekly) leak detection ar | id repair |
| inspection? | | | DY ON |
| 2. Has the facility maintained a leak log? | | | DY ON |
| 3. Does the responsible official check the | following areas for leaks? | | |
| Hose connections, fittings, couplings, and valves | ØÝ □N □N/A | Muck cookers | OY ON PAY/A |
| Door gaskets and seating | ØY □N □N/A | Stills | ©Y □N □N/A |
| Filter gaskets and seating | DY ON ON/A | Exhaust dampers | □Y □N □X/A |
| Pumps | ©AY □N □N/A | Diverter valves | CAY ON ON/A |
| Solvent tanks and containers | ØY □N □N/A | Cartridge filter housings | OY ON BAT/A |
| Water separators | DY ON ON/A | | |
| 4. Which method of detection is used by the | ne responsible official? | | |
| Visual examination (condensed so | lvent on exterior surfaces) | | |
| Physical detection (airflow felt thr | ough gaskets) | | |
| Odor (noticeable perc odor) | | | <u>u</u> |
| Use of direct-reading instrumentat | tion (FID/PID/calorimetric to | ubes) | |
| Halogen leak detector | | | a |
| If using direct-reading instru | mentation, is the equipme | nt: | □N 7A |
| a. Capable of detecting p | perc vapor concentrations in | a range of 0-500 ppm? | OY ON |
| _ | andard gas prior to and after | each use | |
| (PID/FID only)? | | | OY ON |
| c. Inspected for leaks and | d obvious signs of wear on a | weekly basis? | DY DN |
| d. Kept in a clean and se | cure area when not in use? | | OY ON |
| e. Verified for accuracy | by use of duplicate samples | (calorimetric only)? | מם עם |
| | | | |
| | | | |
| | | | |
| man of Ollings | | 7/21/20 | |
| Margaret O. Hins: Inspector's Name (Please Prin | t) | Date of Inspection | |
| | | , | |
| _ Mangarel O. Hennies | | 7/99 | ×. |
| Inspector's Signature | | Approximate Date of I | Vext Inspection |

ADDITIONAL SITE INFORMATION:

Keeping records of amont of HOH mittel, to maintain equip. according to my reguments (wasternature system)
"Falaxy haster water Treatment System"— Most System

Condenser Temp was ~42° F, at and of drying cycle.

Records as kaptin Blue Notebook in office.

* See Jody if when is not there.

DRY CLEANER AIR QUALITY GENERAL PERMIT ANNUAL COMPLIANCE CERTIFICATION FORM

| FACILITY NAME: | Hi Tech C | leaners | | DATE: _ | 6/21/99 |
|---|--|--|--|-----------------|---------------|
| FACILITY LOCATION: | 5523 Roo | sevelt Bl | vd. | | |
| | Clearwate | r, FL 3370 | 6 | | |
| | | | | | |
| Annual Reporting Period: | July 21, | 19 98 TO | Jun | e 21, | 19 99 |
| Based on each term or condition of 62-213,300, Florida Administrative | | | _ | _ | Rule INO |
| If NO, complete the following: | | | | | |
| #1. Term or condition of the genera | l permit that has not bee | n in continuous comp | liance during the re | eporting period | stated above: |
| Exact period of non-compliance: fro | om | | to | E C | |
| Action(s) taken to achieve compliance | ce: | | No | 0, 1 | |
| Method used to demonstrate complia | unce: | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 199 | M |
| #2. Term or condition of the general | l permit that has not beer | n in continuous comp | liance during the re | nitoring period | Stated above: |
| | | ·. | | po-ang.penoa | stated above. |
| Exact period of non-compliance: fro | m | | to | | |
| Action(s) taken to achieve compliance | ee: | | | - ** | |
| ۱ Method used to demonstrate complia | nce; | | · | | |
| j. | | | | | |
| As the responsible official, I hereby of made in this notification are true, accupon rolling averages of purchase revear for transfer or combination facing the RESPONSIBLE OFFICIALA | curate and complete. Fu ceipts, does not exceed 2 | rther, my annual con 2,100 gallons per year | sumption of perchic | proethylene sol | vent hosed |
| | Timile (Flease Fillit) | | bigita(tire | <i>J</i> | Date |

^{*}This form is made available to you as an aid in order to meet your annual compliance certification requirements. It is at the discretion of the responsible official to use this form.

TITLE V AIR QUALITY AIR GENERAL PERMIT INSPECTION SUMMARY REPORT

| T | YPE OF INSPECTION: ANNUAL 🗹 COMP | LAINT/DISCOVERY RE-INSPECTION |
|---|---|---|
| Γ | | /99 TIME IN: 9:03 TIME OUT: 10:35 a.m |
|) | FACILITY NAME: Hi Tech Cleaner | |
|) | FACILITY LOCATION: 5523 Roosevelt Bl | vd. |
| | Clearwater, FL, 33 | 3706 |
| 1 | RESPONSIBLE OFFICIAL: A. Charles Kalbfeld | Phone No.: 536-1288 |
| | Permit No. <u>1030399-001-AG</u> Exp. Date: _ | 09/05/2002 |
| | Based on the results of the compliance require discrepancies were noted (only items which a | ements evaluated during this inspection, the following compliance |
| | Compliance Requirement/Problem | Follow-up Action Required |
| | Did not have a start-up, shutdown, malfunction (SSM) plan in place, along with associated recordkeeping, on site. | If no specific procedures are available from the manufacturer, develop a SSM plan that describes procedures for maintaining and operating equipment during periods of start-up and shutdown associated with a malfunction. EPA's O&M manual may be used if no manufacturers information is available. Keep log of maintenance actions |
| | Purchase receipts were not maintained properly. | Maintain all purchase receipts in a log kept on-site for determination o perchloroethylene solvent consumption. |
| | Monthly purchase records were not maintained as a consecutive twelve month total. | Develop and implement a recordkeeping procedure that maintains monthly purchases (perc) as a consecutive twelve month total. |
| | Could not confirm that temperature sensor was designed to measure 45°F with an accuracy of ±2°F. | Obtain verification from the manufacturer that the temperature sensor is designed to measure 45°F with an accuracy of ±2°F, or determine this by another method that the Department would consider appropriate. |

records.

Evaporator for separator wastewater does not incorporate

Did not store all perc, and perc-containing waste in tightly

Did not maintain a log of leak detection inspection and

a pre-filtration system.

sealed containers.

repair records.

Facility may choose to either dispose of perc-containing separator water as hazardous waste, or incorporate a carbon filtration system with the evaporator (as per the State's guidelines).

Store all perc and perc-containing waste in tightly sealed containers which are impervious and chemically unreactive to the solvent.

Develop and implement a leak detection inspection and repair

program. Maintain a log of leak detection inspection and repair

| Compliance Requirement/Problem | Follow-up Action Required |
|---|---|
| Did not conduct weekly leak detection and repair inspection. | Develop and implement a leak detection inspection and repair program. Use at least one of the methods outlined in Part II, Section 7(a), of the general permit provisions, to detect leaks. Inspect the items listed in Part II, Section 7(b), for leaks. Repair leaks within 24 hours of detection, unless repair equipment must be ordered. |
| No calibration records for the mechanical direct reading instrumentation (halogen detector) were available. | Mechanical direct-reading instrumentation shall be operated as directed by the manufacturer and must meet the conditions in Part II, Section 7(e) of the general permit provisions |
| Did not measure and record the outlet temperature of the refrigerated condenser on the dry-to-dry machine (dryer, reclaimer) on a weekly basis. | Develop and implement a monitoring program. Measure and record the outlet temperature on a weekly basis. The temperature, measured at the end of the drying cycle, must not exceed 45°F. |
| Airflow is directed towards the refrigerated condenser upon the door being opened and no diverter valve is in place. | Equip the condenser with a diverter valve to prevent air flow to the refrigerated condenser when the door is opened. |
| The outlet exhaust temperature of the refrigerated condenser exceeds 45°F and was not repaired within 24 hours. | Repair or adjust condenser within 24 hours of measurement indicatin that the outlet exhaust temperature of the refrigerated condenser exceeds 45°F. The repair shall be documented in the monitoring record log. |
| Machine doors are not closed and secure during times other than loading and unloading. | Keep doors closed and secured at all times except during loading and unloading. |
| Temperature monitoring was not conducted after an appropriate cooldown period and after verifying that the coolant was completely charged. | Conduct all temperature monitoring following an appropriate cooldown period and after verifying that the coolant has been completely charged. |
| Containers for perchloroethylene and/or perchloroethylen- containing waste were found to be leaking. | Examine the containers, used for storing perchloroethylene and/or perchloroethylene-containing waste, for leakage. |
| | |
| | ٠. |
| Comments: | |
| | |
| · | · |
| | actions are required, you must take immediate corrective perform a follow-up inspection to determine that proper |
| Inspection Conducted by: Jeffrey Morris | |
| Inspector's Signature: | thomis |
| Phone Number: 464-4422 | |

PERCHLOROETHYLENE DRY CLEANERS TITLE V GENERAL PERMIT COMPLIANCE INSPECTION CHECKLIST

| TYPE OF INSPECTION: | ANNUAL RE-INSPECTION | <u>a</u> | COMPLAINT/ | DISCOVERY 📮 | |
|---|--|---------------------|---|--|-----------------|
| AIRS ID#: 1030399 001 | DATE: _6/2 | 1/99 | TIME IN: <u>9</u> | 703 _{e, 6} TIME OUT: | 10:35a.m. |
| FACILITY NAME: | Hi Tech Clear | ners | , | | |
| FACILITY LOCATION: | 5523 Roosevelt | Blvd. | | <u> </u> | Burea |
| | Clearwater, FL, | 33706 | | | Most Pir |
| RESPONSIBLE OFFICIA | L: <u>A. Charles Kalb</u> t | feld | | PHONE:536-12 | 10 7 6 |
| CONTACT: | | | | PHONE: | - ing |
| PART I: NOTIFICATION | | | | | - |
| (Check appropriate box) | | | | | |
| 1. Existing facility notified 1 | DARM By 9/1/96 | | | | ☑ |
| 2. New facility notified DA | RM 30 days prior to sta | artup | | | |
| 3. Facility failed to notify D | ARM to use general po | ermit | | | |
| | | | _ | | |
| PART II: CLASSIFICATI | - | | | | |
| Facility indicated on notifica (Check appropriate box) | tion form that it is: | [[| No notification Drop store / o | on form out of business / petrole | eum |
| A. 1. Existing small area so dry-to-dry only, x<14 transfer only, x<200 so both types, x<140 gal (Constructed before 1) | ource 0 gal/yr 3al/yr /yr /yr 2/9/91) | 2 | 2. New small a dry-to-dry on transfer only both types, x (Constructed | rea source ly, x<140 gal/yr x<200 gal/yr <140 gal/yr on or after 12/9/91) | ב |
| 3. Existing large area s dry-to-dry only, 140 < transfer only, 200 < x < both types, 140 < x < 1, (Constructed before 1 | / | 4 | both types, I | ea source ly, 140 <x<2,100 gal="" y<br="">200<x<1,800 gal="" yr<br="">40<x<1,800 gal="" yr<br="">on or after 12/9/91)</x<1,800></x<1,800></x<2,100> | r r |
| This is a correct facility clas | sification: 🗹 Y | ın 🗆 | Can not determine | ne | |
| | ppropriate classification for a general permit as bove limits and is not e | number ₋ | | | · |
| B. The total quantity of perfacility was | • • • | ourchased | l within the prec | eding 12 months by thi | is dry cleaning |

| PART III: GENERAL CONTROL REQUIREMENTS | | | |
|---|----------------------|------------------------|--------|
| Is the responsible official of the dry cleaning facility: (check appropriate boxes) | _ | | |
| 1. Storing perchloroethylene in tightly sealed and impervious containers? | – , | ΠN | □NA |
| 2. Examining the containers for leakage? | Y | □N | □ NA |
| 3. Closing and securing machine doors except during loading/unloading? | Ø Y | ΠN | |
| 4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal? | Y | □N | □NA |
| 5. Maintaining solvent-to- carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications? | QΥ | □N | MA |
| PART IV: PROCESS VENT CONTROLS | | | |
| In Part II-A: | | | |
| If classification (1) has been checked, no controls are required. Proceed to Pa | ırt V. | | |
| If classification (2) has been checked, the machine should be equipped with a (complete A below) | refrige | rated con | denser |
| If classification (3) has been checked, the machine should be equipped with e condenser or a carbon adsorber (complete A and B below). Carbon adsorber installed prior to September 22, 1993. | ither a i must ha | refrigerat ave been | ed |
| If classification (4) has been checked, the machine should be equipped with a (complete A and B below.) | refrige | rated con | denser |
| A. Has the responsible official of all new sources and existing large area sou (check appropriate boxes) | rces: | · . | |
| 1. Equipped all machines with the appropriate vent controls? | Y | □N | |
| 2. Equipped dry-to-dry machines with a closed-loop vapor venting system? | Y | ΠN | □NA |
| 3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door? | ₫ Y | ΠN | □NA |
| 4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly/bi-weekly basis? | Y | □N | |
| 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45°F? | ⊈ Y | □ N | □NA |
| 6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged? | Y | □N | |

| B. | Has the responsible official of an existing large or new large area source also: | | |
|-----------------------------------|--|----------------------------|-----------------------------|
| 1. | Measured and recorded the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines on a weekly basis? | ŒY | □N |
| 2. | Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly? Is the temperature differential equal to or greater than 20° F? | □Y □Y | On Ona |
| 3. | Measured and recorded the perc concentration in the exhaust stream weekly at the end of the final drying cycle while the machine is venting to the adsorber, if machines are equipped with a carbon adsorber? Is the perc concentration equal to or less than 100 ppro? | □Y | □n □na |
| 4. | Assured that the sampling port on the carbon adsorber exhaust for measuring perc. concentrations is at least 8 duct diameters downstream of any bend, contraction, or expansion; is at least 2 dust diameters upstream from any bend contraction, or | □ Y _ | LIN LINA |
| | expansion; and downstream from no other inlet? | ДY | □n □na |
| 5. | Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils? | ΩY | □n □na |
| | | | |
| 6. | Routed airflow to the carbon adsorber (if used) at all times? | ПY | □n □na |
| | Routed airflow to the carbon adsorber (if used) at all times? ART V: RECORDKEEPING REQUIREMENTS | ΠY | |
| PA | <u> </u> | ПY | □n □na |
| PA Ha (ch | ART V: RECORDKEEPING REQUIREMENTS | □Y | · |
| PA Ha (ch | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: neck appropriate boxes) | | · |
| PA (ch 1. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? | | · |
| PA (ch 1. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? | | · |
| PA (ch 1. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. documentation of leaks repaired w/in 24 hrs? or; | র্ত্ত্বy র্ত্ত্বy | ON ONA |
| PA H2 (ch 1. 2. 3. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: | ⊴Y ⊴Y □Y | |
| PA H2 (ch 1. 2. 3. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. documentation of leaks repaired w/in 24 hrs? or; b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? | ⊴Y ⊴Y □Y □Y | ON ONA |
| PA H2 (ch 1. 2. 3. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. documentation of leaks repaired w/in 24 hrs? or; b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? Maintained calibration data? (for direct reading instrument only) Maintained exhaust duct monitoring data on perc concentrations? | | ON ONA ON ONA |
| PA H2 (ch 1. 2. 3. 4. 5. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. documentation of leaks repaired w/in 24 hrs? or; b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? Maintained calibration data? (for direct reading instrument only) Maintained exhaust duct monitoring data on perc concentrations? Maintained startup/shutdown/malfunction plan? | ☐Y ☐Y ☐Y ☐Y ☐Y | ON ONA ON ONA ON ONA ON ONA |
| PA Ha (ch 1. 2. 3. | ART V: RECORDKEEPING REQUIREMENTS as the responsible official: heck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. documentation of leaks repaired w/in 24 hrs? or; b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? Maintained calibration data? (for direct reading instrument only) Maintained exhaust duct monitoring data on perc concentrations? Maintained startup/shutdown/malfunction plan? | Y Y Y Y Y | ON ONA ON ONA ON ONA ON |

| \mathbf{P} | ART VI: LEAK DETECTIO | N AN | D REI | PAIRS | | | |
|--------------|--|--|----------------------------------|------------------------------------|--|-------|--------------------|
| 1. | Does the responsible official c inspection? | | - | 2 | mall sources, bi-weekly) lead hecks | / - | n and repair □N |
| 2. | Has the facility maintained a le | | | 1eo Ks | on a weekly hasis, | ₫y (| □N |
| 3. | Does the responsible official c | heck tl | ne follo | owing are | as for leaks: | | |
| | Hose connections, fitting couplings, and valves | ₫Y | ПN | □NA | Muck cookers | □Y (| ⊒n ⊡⁄na |
| | Door gaskets and seating | \mathbf{A}^{λ} | ΠN | \square NA | Stills | Y (| □N □NA |
| | Filter gaskets and seating | $\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$ | ПN | □NA | Exhaust dampers | □Y 〔 | ⊒n ⊠na |
| | Pumps | $\mathbf{\nabla}_{\mathbf{Y}}$ | ΠN | \square_{NA} | Diverter valves | ĭY (| □n □na |
| | Solvent tanks and containers | ₫Y | □N | □NA | Cartridge Filter housing | □Y | ⊐n ⊠na |
| | Water separators | ₫Y | ΠN | \square_{NA} | | | |
| 4. | Which method of detection is Visual examination Physical detection Odor (noticeable pouse of direct-reading Halogen leak detection If using direct-reading instructions of the second s | n (cond (airflorere odd ere odd ng inst | densed w felt or) rumen | solvent on through go attation (FI | f exterior surfaces) askets) D/PID/calorimetric tubes) | | ত ভাষা 🗆 🔾 |
| | a Capable of detecting pe | rc vap | or con | centration | s in a range of 0-500 ppm. | , · [| Y 🗆 |
| | b. Calibrated against a stan | dard ga | prio | r to and at | rter each use(PID/FID only). | | DY □N |
| | c. Inspected for leaks and c | bvious | şigns | of wear o | n a weekly basis? | | Y UN |
| | d. Kept in a clean and secu | ire are | a wher | not in us | se. | | Y 🗆N |
| | e. Verified for accuracy by | use of | duplic | ate sampl | es (calorimetric only)? | | Y ON |
| | Inspector's Name (Please Print) Inspector's Signature 12/21/99 | | | | | | |

| ADDITIONAL SITE INFORMATION: | | | | | | |
|---|--|--|--|--|--|--|
| 195 problomethyline total * Lost inspection under present owner. | | | | | | |
| | | | | | | |
| | | | | | | |
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TITLE V AIR QUALITY AIR GENERAL PERMIT INSPECTION SUMMARY REPORT

| THE OF INSPECTION: A | ANNOAL G COMPLAINT/DISCOVERY G REANSPECTION | | | | | | |
|---|--|--|--|--|--|--|--|
| AIRS ID#: 1030399 001 | DATE: 7/8/99 TIME IN: 3:00 TIME OUT: 3:00 TIME OUT: 3:00 | | | | | | |
| FACILITY NAME: | Hi Tech Cleaners | | | | | | |
| FACILITY LOCATION: | 5523 Roosevelt Blvd. | | | | | | |
| | Clearwater, FL, 33706 | | | | | | |
| RESPONSIBLE OFFICIAL: A. Charles Kalbfeld Phone: 536-1288 | | | | | | | |
| Permit No. 1030399-001-AG Exp. Date: <u>09/05/2002</u> | | | | | | | |
| | | | | | | | |
| Based of the results of the compliance requirements evaluated during this inspection, the facility is found to be in compliance with DEP Rule 62-213.300, Florida Administrative Code (F.A.C.). | | | | | | | |
| Based on the results of the compliance requirements evaluated during this inspection, the following | | | | | | | |

Inspection Summary Report Guidance

compliance <u>discrepancies</u> were noted (only items which are checked):

| Compliance Requirement/Problem | Follow-up Action Required |
|---|---|
| Did not have a start-up, shutdown, malfunction (SSM) plan in place, along with associated recordkeeping, on site. | If no specific procedures are available from the manufacturer, develop a SSM plan that describes procedures for maintaining and operating equipment during periods of start-up and shutdown associated with a malfunction. EPA's O&M manual may be used if no manufacturers information is available. Keep log of maintenance actions |
| Purchase receipts were not maintained properly. | Maintain all purchase receipts in a log kept on-site for determination of perchloroethylene solvent consumption. |
| Monthly purchase records were not maintained as a consecutive twelve month total. | Develop and implement a recordkeeping procedure that maintains monthly purchases (perc) as a consecutive twelve month total. |
| Could not confirm that temperature sensor was designed to measure 45°F with an accuracy of ±2°F. | Obtain verification from the manufacturer that the temperature sensor is designed to measure 45°F with an accuracy of ±2°F, or determine this by another method that the Department would consider appropriate. |
| Evaporator for separator wastewater does not incorporate a pre-filtration system. | Facility may choose to either dispose of perc-containing separator water as hazardous waste, or incorporate a carbon filtration system with the evaporator (as per the State's guidelines). |
| Did not store all perc, and perc-containing waste in tightly sealed containers. | Store all perc and perc-containing waste in tightly sealed containers which are impervious and chemically unreactive to the solvent. |
| Did not maintain a log of leak detection inspection and repair records. | Develop and implement a leak detection inspection and repair program. Maintain a log of leak detection inspection and repair records. |

| Compliance Requirement/Problem | Follow-up Action Required | | | | | |
|--|---|--|--|--|--|--|
| Did not conduct weekly leak detection and repair inspection. | Develop and implement a leak detection inspection and repair program. Use at least one of the methods outlined in Part II, Section 7(a), of the general permit provisions, to detect leaks. Inspect the items listed in Part II, Section 7(b), for leaks. Repair leaks within 24 hours of detection, unless repair equipment must be ordered. | | | | | |
| No calibration records for the mechanical direct reading instrumentation (halogen detector) were available. | Mechanical direct-reading instrumentation shall be operated as directed by the manufacturer and must meet the conditions in Part II, Section 7(e) of the general permit provisions | | | | | |
| Did not measure and record the outlet temperature of the refrigerated condenser on the dry-to-dry machine (dryer, reclaimer) on a weekly basis. | Develop and implement a monitoring program. Measure and record the outlet temperature on a weekly basis. The temperature, measured at the end of the drying cycle, must not exceed 45°F. | | | | | |
| Airflow is directed towards the refrigerated condenser upon the door being opened and no diverter valve is in place. | Equip the condenser with a diverter valve to prevent air flow to the refrigerated condenser when the door is opened. | | | | | |
| The outlet exhaust temperature of the refrigerated condenser exceeds 45°F and was not repaired within 24 hours. | Repair or adjust condenser within 24 hours of measurement indicating that the outlet exhaust temperature of the refrigerated condenser exceeds 45°F. The repair shall be documented in the monitoring record log. | | | | | |
| Machine doors are not closed and secure during times other than loading and unloading. | Keep doors closed and secured at all times except during loading and unloading. | | | | | |
| Temperature monitoring was not conducted after an appropriate cooldown period and after verifying that the coolant was completely charged. | Conduct all temperature monitoring following an appropriate cooldown period and after verifying that the coolant has been completely charged. | | | | | |
| Containers for perchloroethylene and/or perchloroethylen-containing waste were found to be leaking. | Examine the containers, used for storing perchloroethylene and/or perchloroethylene-containing waste, for leakage. | | | | | |
| | | | | | | |
| | - | | | | | |
| Comments: Copy of this summany was not provided to owner. No compliance cert, obtained, | | | | | | |
| If the Inspection Summary Report indicates follow-up actions are required, you must take immediate corrective measures to achieve compliance. Pinellas County will perform a follow-up inspection to determine that proper corrective actions have been taken. | | | | | | |
| Inspection Conducted by: Margaret Henni | <u>is · </u> | | | | | |
| Inspector's Signature: Majach | 1. Henries | | | | | |
| Phone Number: 464-4422 | | | | | | |

. 1000 1000054

PERCHLOROETHYLENE DRY CLEANERS TITLE V GENERAL PERMIT COMPLIANCE INSPECTION CHECKLIST

| | NNUAL E-INSPECTION U | COMPLAINT/DISCOVERY | |
|--|--|---|----------|
| AIRS ID#: 1030399 001 FACILITY NAME: | DATE: <u>~7/8/99</u> Hi Tech Cleaners | TIME IN: 2:00 TIME OUT: 3: | 0 3 |
| FACILITY LOCATION: | 5523 Roosevelt Blvd. | | |
| | Clearwater, FL, 3370 | 6 | |
| RESPONSIBLE OFFICIAL: | | | |
| CONTACT: INTAK | Ma (NEWOW) 1 ARMS | phone: | |
| PART I: NOTIFICATION | | | · |
| (Check appropriate box) | | Inspection to determine | |
| 1. Existing facility notified DAl | RM By 9/1/96 | Inspection to determine assist new owner with completing Notification | form |
| 2. New facility notified DARM | 30 days prior to startup | | |
| 3. Facility failed to notify DAR | M to use general permit | | |
| | | | |
| PART II: CLASSIFICATION | | | |
| Facility indicated on notification (Check appropriate box) | form that it is: | No notification form Drop store / out of business / petroleum | |
| A. 1. Existing small area sour dry-to-dry only, x<140 ga transfer only, x<200 gally both types, x<140 gallyr (Constructed before 12/9) | rce lal/yr //r //91) | 2. New small area source dry-to-dry only, x<140 gal/yr transfer only, x<200 gal/yr both types, x<140 gal/yr (Constructed on or after 12/9/91) | |
| 3. Existing large area sour dry-to-dry only, 140 < x < 2 transfer only, 200 < x < 1,80 both types, 140 < x < 1,800 (Constructed before 12/9) | | 4. New large area source dry-to-dry only, 140 < x < 2,100 gal/yr transfer only, 200 < x < 1,800 gal/yr both types, 140 < x < 1,800 gal/yr (Constructed on or after 12/9/91) | |
| This is a correct facility classific | cation: Y N | Can not determine | |
| If no, please check the appr facility qualified for a facility exceeds above | | · | |
| • • • | proethylene (perc) purcha lons. | sed within the preceding 12 months by this dry | cleaning |

| PART III: GENERAL CONTROL REQUIREMENTS | <u>-</u> | | | | | |
|--|-----------|-----------------------|---------|--|--|--|
| Is the responsible official of the dry cleaning facility: (check appropriate boxes) | | | | | | |
| 1. Storing perchloroethylene in tightly sealed and impervious containers? | ŪΥ | ПN | □ NA | | | |
| 2. Examining the containers for leakage? | ☐ Y | ПN | □ NA | | | |
| 3. Closing and securing machine doors except during loading/unloading? | ☐ Y | □ N | | | | |
| 4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal? | ΟY | \[\sigma \text{N} \] | □NA | | | |
| 5. Maintaining solvent-to- carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications? | ПY | □N | .□ NA | | | |
| PART IV: PROCESS VENT CONTROLS | | | | | | |
| In Part II-A: | | | | | | |
| If classification (1) has been checked, no controls are required. Proceed to Pa | art V. | and the second | | | | |
| If classification (2) has been checked, the machine should be equipped with a refrigerated condenser (complete A below) | | | | | | |
| If classification (3) has been checked, the machine should be equipped with either a refrigerated condenser or a carbon adsorber (complete A and B below). Carbon adsorber must have been installed prior to September 22, 1993. | | | | | | |
| If classification (4) has been checked, the machine should be equipped with a (complete A and B below.) | ı refrige | rated cor | ndenser | | | |
| A. Has the responsible official of all new sources and existing large area sou (check appropriate boxes) | rces: | | | | | |
| 1. Equipped all machines with the appropriate vent controls? | QΥ | ΠN | | | | |
| 2. Equipped dry-to-dry machines with a closed-loop vapor venting system? | QΥ | \square N | □ NA | | | |
| 3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door? | QΥ | ΠN | □NA | | | |
| 4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly/bi-weekly basis? | QΥ | □ N | | | | |
| 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45°F? | ΟŶ | ПN | □NA | | | |
| 6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged? | ΟY | ПΝ | | | | |

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| 3. | Has the responsible official of an existing large or new large area source also: | | | |
|----------|---|---------------|-----------------|--------------|
| • | Measured and recorded the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines on a weekly basis? | Ω¥. | | |
| 2. | Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly? Is the temperature differential equal to or greater than 20°F? | □y □y | □N □N | □na □na |
| 3. | Measured and recorded the perc concentration in the exhaust stream weekly at the end of the final drying cycle while the machine is venting to the adsorber, if machines are equipped with a carbon adsorber? Is the perc concentration equal to or less than 100 ppm? | □y □y | | □na □na |
| • | Assured that the sampling port on the carbon adsorber exhaust for measuring perc. concentrations is at least 8 duct diameters downstream of any bend, contraction, or expansion; is at least 2 dust diameters upstream from any bend contraction, or expansion; and downstream from no other inlet? | Ωy | ПN | □na |
| • | Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils? | ΩY | □N _. | □na |
| · - | Routed airflow to the carbon adsorber (if used) at all times? | ΩY | ΠN | □NA |
| PA | RT V: RECORDKEEPING REQUIREMENTS | | | |
| Ia ch | as the responsible official: leck appropriate boxes) | | | |
| | Maintained receipts for perc purchased? | \square_{Y} | \square_N | |
| | Maintained rolling monthly averages of perc consumption? | ŪΥ | ⊃ □N | |
| | Maintained leak detection inspection and repair reports for the following: | — , | | |
| | a. documentation of leaks repaired w/in 24 hrs? or; | \square_{Y} | \square N | \square NA |
| | b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? | _ | | □NA |
| ļ. | Maintained calibration data? (for direct reading instrument only) | ЦY | ПN | □NA |
| | Maintained exhaust duct monitoring data on perc concentrations? | \Box_{Y} | Й | \square NA |
| | Maintained startup/shutdown/malfunction plan? | \Box_{Y} | \square N | |
| } | Maintained deviation reports? | \square_{Y} | \square_N | \square NA |
| ŀ | Problem corrected? | ΩY. | \square_N | □NA |
| ! | Maintained compliance plan, if applicable? | Ωy | | □NA |

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| PA | PART VI: LEAK DETECTION AND REPAIRS | | | | | | |
|----|---|---------|-------------|----------------|------------------------------|----------------------|--|
| 1. | Does the responsible official c inspection? | onduct | a wee | ekly (for sm | all sources, bi-weekly) leal | detection and repair | |
| 2. | Has the facility maintained a le | eak log | ;? | | | DY ON | |
| 3. | Does the responsible official c | heck th | ne follo | owing areas | for leaks: | | |
| | Hose connections, fitting couplings, and valves | ΩY | ПN | □NA | Muck cookers | □Y □N □NA | |
| | Door gaskets and seating | ΩY | \square_N | \square_{NA} | Stills | UY UN UNA | |
| | Filter gaskets and seating | ΩY | ΠN | \square NA | Exhaust dampers | OY ON ONA | |
| | Pumps | ΩY | \square_N | □NA · | Diverter valves | □y □n □na | |
| | Solvent tanks and containers | ΩY | ΩN | □NA / | Cartridge Filter housing | OY ON ONA | |
| | Water separators | Ωy | \square_N | DNA | | | |
| 4. | 4. Which method of detection is used by the responsible official? Visual examination (condensed solvent of exterior surfaces) Physical detection (airflow felt through gaskets) Odor (noticeable pere odor) Use of direct-reading instrumentation (FID/PID/calorimetric tubes) Halogen leak detector | | | | | | |
| | If using direct-reading instru | | | | in a range of 0-500 ppm. | □y □n | |
| | b. Calibrated against a stan | - | | | - 11 | OY ON | |
| | c. Inspected for leaks and o | | | | | OY ON | |
| | | | | | ·, | | |
| | d. Kept in a clean and secure area when not in use. | | | | | . <u> </u> | |
| | e. Verified for accuracy by use of duplicate samples (calorimetric only)? | | | | | | |
| | Margare L Hennis Inspector's Name (Please Print) Margaret V. Hennis Inspector's Signature 7/8/99 7/8/99 7/8/99 Approximate Date of Next Inspection | | | | | | |

| ADDITIONAL SITE INFORMATION: | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| Did not review records - Went over | | | | | |
| sequirements of the provision of the general permit. | | | | | |
| | | | | | |
| Did not complete annual Certification MOA | | | | | |
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| Ö | delivered. | | Consult postmaster for fee. |
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| s your <u>RETUI</u> | 5. Received By: (Print Name) 6. Signature: (Addressee or Agent) X | 8. Addressed | e's Address (Only)if requested |



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