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To: Bruce Mitchell	From: John Turner	
Co. FDEP	Co. FDEP	
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Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

Permittee:
Walt Disney World Company
Post Office Box 10,000
Lake Buena Vista, Florida 32830-1000

Atten: William A. O'Toole,
Senior Vice President

I.D. Number: 0950111
Permit Number: 0950111-012-AC
Date of Issue:
Expiration Date: October 30, 2002
County: Orange
Latitude/Longitude:
28° 24' 30"N/81° 34' 55"W
Project: Four Dry Cleaning Units

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

The permittee may construct four dry cleaning units as follows:

<u>E.U./Facility I.D.</u>	<u>Brief Description</u>	<u>Manufacturer</u>
<u>North Service Area Dry Cleaning Plant</u>		
-001 (LDC-1)	Dry Cleaning Unit #1	Multimatic Machine
-002 (LDC-2)	Dry Cleaning Unit #2	Multimatic Machine
-003 (LDC-3)	Dry Cleaning Unit #3	Multimatic Machine
-004 (LDC-4)	Dry Cleaning Unit #4	Multimatic Machine

The four perchloroethylene dry cleaning units are all vented to a single exhaust stack with precleaning provided by a new chiller system followed by and in series with an existing carbon absorption system (Spencer dual bed: Model 1500, Serial #190 @~99% efficient).

The perchloroethylene dry cleaning operation is subject to 40 CFR 63, Subpart M, National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities.

The facility is located at the North Service Area, Laundry Bldg., Walt Disney World Resort Complex, Orange County, Florida.

General Conditions are attached to be distributed to the permittee only.

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SPECIFIC CONDITIONS:

OPERATING CONDITIONS

1. Each emission unit is permitted to operate continuously, per the application. [Rule 62-210.200, (PTE), F.A.C.]
2. Each pollution control device must be properly operated and maintained [Rule 62-210.300(2)(a)2, F.A.C.]. No person shall circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly [Rule 62-210.650, F.A.C.].
3. The Compliance Plan submitted on October 6, 1997, is incorporated by reference.
Rule 62-213.440, F.A.C.

Standards

4. The permittee of each existing dry cleaning system shall comply with either 40 CFR 63.322(a)(1) or (a)(2).
 - (1) Route the air-perchloroethylene gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser or an equivalent control device.
 - (2) Route the air-perchloroethylene gas-vapor stream contained within each dry cleaning machine through a carbon adsorber installed in the dry cleaning machine prior to September 22, 1993.
[40 CFR 63.322(a)(1) & (2)]
5. The permittee shall close the door of each dry cleaning machine immediately after transferring articles to or from the machine, and shall keep the door closed at all other times.
[40 CFR 63.322(c)]
6. The permittee of each dry cleaning system shall operate and maintain the system according to the manufacturers' specifications and recommendations.
[40 CFR 63.322(d)]
7. Each refrigerated condenser used for the purposes of complying with 40 CFR 63.322(a) or (b) and installed on a dry-to-dry machine, dryer, or reclaimer:
 - (1) Shall be operated to not vent or release the air-perchloroethylene gas-vapor stream contained within the dry cleaning machine to the atmosphere while the dry cleaning machine drum is rotating;
 - (2) Shall be monitored according to 40 CFR 63.323(a)(1); and
 - (3) Shall be operated with a diverter valve, which prevents air drawn into the dry cleaning machine when the door of the machine is open from passing through the refrigerated condenser.
[40 CFR 63.322(e)(1), (2), & (3)]

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8. Each refrigerated condenser used for the purpose of complying with 40 CFR 63.322(a) and installed on a washer:
 - (1) Shall be operated to not vent the air-perchloroethylene gas-vapor contained within the washer to the atmosphere until the washer door is opened;
 - (2) Shall be monitored according to 40 CFR 63.323(a)(2).
[40 CFR 63.322(f)(1) & (2)]
9. Each carbon adsorber used for the purposes of complying with 40 CFR 63.322(a) or (b):
 - (1) Shall not be bypassed to vent or release any air-perchloroethylene gas-vapor stream to the atmosphere at any time; and
 - (2) Shall be monitored according to the applicable requirements in 40 CFR 63.323(b) or (c).
[40 CFR 63-322(g)(1) & (2)]
10. (j) The permittee of an affected facility shall store all perchloroethylene and wastes that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks.
[40 CFR 63.322(j)]
11. The permittee of a dry cleaning system shall inspect the following components weekly for perceptible leaks while the dry cleaning system is operating:
 - (1) Hose and pipe connections, fittings, couplings, and valves;
 - (2) Door gaskets and seatings;
 - (3) Filter gaskets and seatings;
 - (4) Pumps;
 - (5) Solvent tanks and containers;
 - (6) Water separators;
 - (7) Muck cookers;
 - (8) Stills;
 - (9) Exhaust dampers;
 - (10) Diverter valves; and
 - (11) Cartridge filter housings.
[40 CFR 63.322(k)(1) thru (11)]
12. The permittee of a dry cleaning system shall repair all perceptible leaks detected under 40 CFR 63.322(k) within 24 hours. If repair parts must be ordered, either a written or verbal order for those parts shall be initiated within 2 working days of detecting such a leak. Such repair parts shall be installed within 5 working days after receipt.
[40 CFR 63.322(m)]

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13. If parameter values monitored under 40 CFR 63.322(e), (f), or (g), do not meet the values specified in 40 CFR 63.323(a), (b), or (c), adjustments or repairs shall be made to the dry cleaning system or control device to meet those values. If repair parts must be ordered, either a written or verbal order for such parts shall be initiated within 2 working days of detecting such a parameter value. Such repair parts shall be installed within 5 working days after receipt.
[40 CFR 63.322(n)]

Test Methods and Monitoring

14. When a refrigerated condenser is used to comply with 40 CFR 63.322(a)(1) or (b)(1):
- (1) The permittee shall measure the temperature of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser on a dry-to-dry machine, dryer, or reclaimer weekly with a temperature sensor to determine if it is equal to or less than 7.2° C (45° F). The temperature sensor shall be used according to the manufacturer's instructions and shall be designed to measure a temperature of 7.2° C (45° F) to an accuracy of +1.1° C (+2° F).
 - (2) The permittee shall calculate the difference between the temperature of the air-perchloroethylene gas-vapor stream entering the refrigerated condenser on a washer and the temperature of the air-perchloroethylene gas-vapor stream exiting the refrigerated condenser on the washer weekly to determine that the difference is greater than or equal to 11.1° C (20° F)
- (I) Measurements of the inlet and outlet streams shall be made with a temperature sensor.
Each temperature sensor shall be used according to the manufacturer's instructions, and
designed to measure at least a temperature range from 0° C (32° F) to 48.9° C (120° F) to an accuracy of +1.1° C (+2° F).
- (ii) The difference between the inlet and outlet temperatures shall be calculated weekly from the measured values.
[40 CFR 63-323(a)(1) & (2)]
15. When a carbon adsorber is used to comply with 40 CFR 63.322(a)(2) or exhaust is passed through a carbon adsorber immediately upon machine door opening to comply with 40 CFR 63.322(b)(3), the permittee shall measure the concentration of perchloroethylene in the exhaust of the carbon adsorber weekly with a colorimetric detector tube, while the dry cleaning machine is venting to that carbon adsorber at the end of the last dry cleaning cycle prior to desorption of that carbon adsorber to determine that the perchloroethylene concentration in the exhaust is equal to or less than 100 parts per million by volume. The permittee shall:

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- (1) Use a colorimetric detector tube designed to measure a concentration of 100 parts per million by volume of perchloroethylene in air to an accuracy of ± 25 parts per million by volume; and
 - (2) Use the colorimetric detector tube according to the manufacturer's instructions; and
 - (3) Provide a sampling port for monitoring within the exhaust outlet of the carbon adsorber that is easily accessible and located at least 8 stack or duct diameters downstream from any flow disturbance such as a bend, expansion, contraction, or outlet; downstream from no other inlet; and 2' stack or duct diameters upstream from any flow disturbance such as a bend, expansion, contraction, inlet, or outlet.
[40 CFR 63.323(b)(1), (2) & (3)]
16. If the air-perchloroethylene gas-vapor stream is passed through a carbon adsorber prior to machine door opening to comply with § 63.322(b)(3), the permittee of an affected facility shall measure the concentration of perchloroethylene in the dry cleaning machine drum at the end of the dry cleaning cycle weekly with a colorimetric detector tube to determine that the perchloroethylene concentration is equal to or less than 300 parts per million by volume. The permittee shall:
- (1) Use a colorimetric detector tube designed to measure a concentration of 300 parts per million by volume of perchloroethylene in air to an accuracy of ± 75 parts per million by volume; and
 - (2) Use the colorimetric detector tube according to the manufacturer's instructions; and
 - (3) Conduct the weekly monitoring by inserting the colorimetric detector tube into the open space above the articles at the rear of the dry cleaning machine drum immediately upon opening the dry cleaning machine door.
[40 CFR 63.323(c)(1), (2) & (3)]
17. When calculating yearly perchloroethylene consumption for the purpose of demonstrating applicability according to 40 CFR 63.320, the permittee shall perform the following calculation on the first day of every month:
- (1) Sum the volume of all perchloroethylene purchases made in each of the previous 12 months, as recorded in the log described in 40 CFR 63.324(d)(1).
 - (2) If no perchloroethylene purchases were made in a given month, then the perchloroethylene consumption for that month is zero gallons.
 - (3) The total sum calculated in 40 CFR 63.323(d) is the yearly perchloroethylene consumption at the facility.
[40 CFR 63.323(d)(1), (2) & (3)]

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Recordkeeping and Reporting Requirements

18. Each permittee of a dry cleaning facility shall submit an initial report signed by a responsible official before a notary public certifying that the information provided in the initial report is accurate and true to the Permitting authority within 90 calendar days after September 22, 1993, which includes the following:
- (1) The name and address of the permittee;
 - (2) The address (that is, physical location) of the dry cleaning facility;
 - (3) A brief description of the type of each dry cleaning machine at the dry cleaning facility;
 - (4) Documentation as described in 40 CFR 63.323(d) of the yearly perchloroethylene consumption at the dry cleaning facility for the previous year to demonstrate applicability according to § 63.320; or an estimation of perchloroethylene consumption for the previous year to estimate applicability with 40 CFR 63.320; and
 - (5) A description of the type of control device(s) that will be used to achieve compliance with 40 CFR 63.322(a) or (b) and whether the control device(s) is currently in use or will be purchased.
 - (6) Documentation to demonstrate to the Permitting authority's satisfaction that each room enclosure used to meet the requirements of 40 CFR 63.322(a) (3) meets the requirements of 40 CFR 63.322(a) (3) (i) and (ii). [40 CFR 63-324(a) (1) thru (6)]
19. Each permittee of a dry cleaning facility shall submit a statement signed by a responsible official in the presence of a notary public to the Permitting authority by registered letter on or before the 30th day following the compliance dates specified in 40 CFR 63.320(b) or (c), certifying the following:
- (1) The yearly perchloroethylene solvent consumption limit based upon the yearly solvent consumption calculated according to 40 CFR 63.323(d);
 - (2) Whether or not they are in compliance with each applicable requirement of 40 CFR 63.322; and
 - (3) All information contained in the statement is accurate and true. [40 CFR 63.324(b) (1), (2) & (3)]
20. Each permittee of a dry cleaning facility shall keep receipts of perchloroethylene purchases and a log of the following information and maintain such information on site and show it upon request for a period of 5 years:
- (1) The volume of perchloroethylene purchased each month by the dry cleaning facility as recorded from perchloroethylene purchases; if no perchloroethylene is purchased during a given month then the permittee would enter zero gallons into the log;

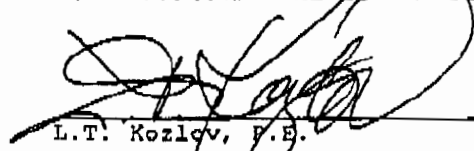
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- (2) The calculation and result of the yearly perchloroethylene consumption determined on the first day of each month as specified in 40 CFR 63.323(d);
 - (3) The dates when the dry cleaning system components are inspected for perceptible leaks, as specified in 40 CFR 63.322(k) or (l), and the name or location of dry cleaning system components where perceptible leaks are detected;
 - (4) The dates of repair and records of written or verbal orders for repair parts to demonstrate compliance with 40 CFR 63.322(m) and (n);
 - (5) The date and temperature sensor monitoring results, as specified in 40 CFR 63.323 if a refrigerated condenser is used to comply with 40 CFR 63.322(a) or (b); and
 - (6) The date and colorimetric detector tube monitoring results, as specified in 40 CFR 63.323, if a carbon adsorber is used to comply with 40 CFR 63.322(a)(2) or (b)(3).
[40 CFR 63.324(d)(1) thru (6)]
21. Each permittee of a dry cleaning facility shall retain onsite a copy of the design specifications and the operating manuals for each dry cleaning system and each emission control device located at the dry cleaning facility.
[40 CFR 63.324(e)]
22. A DEP Form No. 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" including the Emissions Report, shall be completed for each calendar year on or before March 1 of the following year and submitted to this office.
[Rule 62-210.370(3)(a), F.A.C.].

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



L.T. Kozlov, P.E.
Program Administrator
Air Resources Management

Issued: 12-10-97