

PRETREATMENT PERMIT

issued to

Lake of Isles, LLC
P.O. Box 3060
2 Matts Path
Mashantucket, CT 06338

Location Address:

Lake of Isles Road
North Stonington, CT 06068

Permit ID: SP0002408

Permit Expires:

SECTION 1: GENERAL PROVISIONS

- (A) This permit is reissued and modified in accordance with section 1421 of the Federal Safe Drinking Water Act 42 USC 300h et. seq. and section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), and Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, and a modified Memorandum of Agreement (MOA) dated June 3, 1981, by the Administrator of the United States Environmental Protection Agency which authorizes the State of Connecticut to administer a Pretreatment Program pursuant to 40 CFR Part 403.
- (B) Lake of Isles, LLC, ("Permittee"), shall comply with all conditions of this permit including the following sections of the RCSA which have been adopted pursuant to section 22a-430 of the CGS and are hereby incorporated into this permit. Your attention is especially drawn to the notification requirements of subsection (i)(2), (i)(3), (j)(1), (j)(6), (j)(8), (j)(9)(C), (j)(11)(C), (D), (E), and (F), (k)(3) and (4) and (l)(2) of section 22a-430-3.

Section 22a-430-3 General Conditions

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty
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Section 22a-430-4 Procedures and Criteria

- (a) Duty to Apply
- (b) Duty to Reapply
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- (i) Final Determination
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 - (n) Permit issuance or renewal
 - (o) Permit Transfer
 - (p) Permit revocation, denial or modification
 - (q) Variances
 - (r) Secondary Treatment Requirements
 - (s) Treatment Requirements for Metals and Cyanide
 - (t) Discharges to POTWs - Prohibitions
- (C) Violations of any of the terms, conditions, or limitations contained in this permit may subject the Permittee to enforcement action, including but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable sections of the CGS and RCSA. Specifically, civil penalties of up to twenty-five thousand dollars may be assessed per violation per day.
- (D) Any false statement in any information submitted pursuant to this permit may be punishable as a criminal offense under section 22a-438 or 22a-131a of the CGS or in accordance with section 22a-6, under section 53a-157b of the CGS.
- (E) The authorization to discharge under this permit may not be transferred without prior written approval of the Commissioner of Energy and Environmental Protection ("the Commissioner"). To request such approval, the Permittee and proposed transferee shall register such proposed transfer with the Commissioner at least 30 days prior to the transferee becoming legally responsible for creating or maintaining any discharge which is the subject of the permit transfer. Failure by the transferee to obtain the Commissioner's approval prior to commencing such discharge(s) may subject the transferee to enforcement action for discharging without a permit pursuant to applicable sections of the CGS and RCSA.
- (F) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (G) An annual fee shall be paid for each year this permit is in effect as set forth in section 22a-430-7 of the Regulations of Connecticut State Agencies.

SECTION 2: DEFINITIONS

- (A) The definitions of the terms used in this permit shall be the same as the definitions contained in section 22a-423 of the CGS and section 22a-430-3(a) and 22a-430-6 of the RCSA.
- (B) In addition to the above, the following definitions shall apply to this permit:
- "Annual" in the context of a sampling frequency, means the sample must be collected in the month of March.
- "Average Monthly Limit" means the maximum allowable "Average Monthly Concentration" as defined in section 22a-430-3(a) of the RCSA when expressed as a concentration (e.g. mg/l); otherwise, it means "Average Monthly Discharge Limitation" as defined in section 22a-430-3(a) of the RCSA.
- "Daily Concentration" means the concentration of a substance as measured in a daily composite sample, or the arithmetic average of all grab sample results defining a grab sample average.
- "Daily composite" means a composite sample taken over a full operating day consisting of grab samples collected at equal intervals of no more than sixty (60) minutes and combined proportionally to flow
- "Grab sample" means an individual sample collected in less than fifteen minutes.
- "Instantaneous Limit" means the highest allowable concentration of a substance as measured by a grab sample, or the highest allowable measurement of a parameter as obtained through instantaneous monitoring.
- "Maximum Daily Limit" means the maximum allowable "Daily Concentration" (defined above) when expressed as a concentration (e.g. mg/l); otherwise, it means the maximum allowable "Daily Quantity" as defined above unless it is expressed as a flow quantity. If expressed as a flow quantity it means "Maximum Daily Flow" as defined in section 22a-430-3(a) of the RCSA.

"NA" as a Monitoring Table abbreviation means "not applicable".

"Once per work day" in the context of sampling frequency, means Monday through Friday excluding holidays.

"Range During Month" or "RDM", as a sample type, means the lowest and the highest values of all of the monitoring data for the reporting month.

"Reclaimed water" shall mean the disinfected highly treated effluent discharged from the Mashantucket Pequot Tribal Nation wastewater treatment plant that meets the water quality controls necessary to be used for irrigation at the Lake of Isles Golf Course.

SECTION 3: COMMISSIONER'S DECISION

- (A) The Commissioner has made a final determination and found that the continuance of the existing system to treat the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on Application No. 201001195 for permit reissuance, received on March 3, 2010 and the administrative record established in the processing of that application.
- (B) (1) From the issuance of this permit through and including [LAST DAY OF MONTH, MONTH OF PERMIT REISSUANCE], the Commissioner hereby authorizes the Permittee to discharge in accordance with the terms and conditions of Permit No. SP0002408, issued by the Commissioner to the Permittee on August 31, 2005, the previous application submitted by the Permittee on March 18, 2003, and all modifications and approvals issued by the Commissioner or the Commissioner's authorized agent for the discharge and/or activities authorized by, or associated with, Permit No. SP0002408, issued by the Commissioner to the Permittee on August 31, 2005.
- (2) From [FIRST DAY OF MONTH, MONTH FOLLOWING PERMIT REISSUANCE] until this permit expires or is modified or revoked, the Commissioner hereby authorizes the Permittee to discharge in accordance with the terms and conditions of Permit No. SP0002408, issued by the Commissioner to the Permittee on [DATE OF PERMIT ISSUANCE], Application No. 201001195 received by the Department on March 3, 2010, and all modifications and approvals issued by the Commissioner or the Commissioner's authorized agent for the discharge and/or activities authorized by, or associated with, Permit No. SP0002408, issued by the Commissioner to the Permittee on [DATE OF PERMIT ISSUANCE].
- (C) The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Federal Clean Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Clean Water Act or Connecticut General Statutes or regulations adopted thereunder which are then applicable.

SECTION 4: EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- (A) The use of sewage system additives, as defined in section 22a-460(g) of the CGS, are prohibited unless such additive is registered with the Commissioner in accordance with section 22a-462-3 of the RCSA. The Commissioner in no way certifies the safety or effectiveness of any registered additive.
- (B) Oils, greases, industrial or commercial wastes, toxic chemicals, wastes from water treatment systems, or other substances, that will adversely affect the operation of the subsurface sewage treatment and disposal system, or, which may pollute ground or surface water, shall not be discharged to the subsurface sewage treatment and disposal system.
- (C) The Permittee shall assure that groundwater affected by the subject discharge shall conform to the Connecticut Water Quality Standards.
- (D) The Permittee shall operate and maintain all processes as installed in accordance with the approved plans and specifications and as outlined in the associated operation and maintenance manual. This includes but is not limited to all recycle pumping systems, aeration equipment, aeration tank cycling, mixing equipment, anoxic tanks, chemical feed systems, effluent filters, disinfection systems or any other process equipment necessary for the optimal removal of

pollutants. The Permittee shall not bypass or fail to operate any of the approved equipment or processes without the written approval of the Commissioner.

(E) The discharges shall not exceed and shall otherwise conform to specific terms and conditions listed below. The discharges are restricted by, and shall be monitored in accordance with Tables A through D.

- (1) If the maximum daily limit for any parameter listed in Table A is exceeded, then the treated effluent shall be discharged to the infiltration basins and not the reclaimed water storage tank.
- (2) The UV dosage shall be at least 100 mWsec/cm² under maximum day flow and shall be monitored daily.
- (3) The instantaneous flow rate through the UV disinfection system shall not exceed 2.85 mgd without a second bank in operation and a third bank available for redundancy. At no time shall the instantaneous flow exceed a rate of 5.7 mgd.
- (4) The use of reclaimed water for irrigation shall be prevented if any one of the following conditions are present:
 - a. the UV dose is not met;
 - b. turbidity exceeds 2 NTU;
 - c. chlorine residual limit is not met; or
 - d. fecal coliform exceeds 2.2 col/100mL.

If any of the conditions above are exceeded, pumping of the discharge to the reuse system shall be prevented and the Permittee shall record the exceedence on the Mashantucket WWTP Re-Use Report.

- (5) The emergency operation and alarms shall include an automatic stop to prevent the use of reclaimed water for irrigation if the effluent fails to meet either an effluent limit, operational condition of this permit, or if a treatment process failure occurs, and shall include a manual reset for restarting the discharge of the reclaimed water for irrigation to prevent automatic restart until the failure is corrected.
- (6) The Permittee shall notify DEEP when such an effluent limit for reclaimed water is not met or there is a treatment process failure, and shall identify and correct the source of the problem before resuming use of reclaimed water for irrigation.
- (7) Grab samples shall be taken during the period of the day when the peak hourly flow is normally experienced. Samples collected for bacteriological examination and chlorine residual monitoring shall be collected between the hours of 11 a.m. and 3 p.m. or at that time of day when the peak hourly flow is normally experienced.
- (8) All other wastewater treatment plant equipment and operations shall conform to existing Operation and Maintenance procedures, including the wastewater treatment plant Operation and Maintenance Manual and manufacturer's Operation and Maintenance Manuals for each process and piece of operating equipment as modified by procedures developed in the plant based on operating experience.
- (9) No spray application of reclaimed water shall be allowed during rainfall or after leaf fall. Spray shall be allowed from April 1 through October 31, unless otherwise approved by the Department in writing. Spray application shall be applied only to the areas specified on the reference plan. Spray application of reclaimed water shall be applied during non-playing hours, from 9 PM to 6 AM, except as noted in (10) below, and such application shall cease during excessive wind periods to limit overspray.
- (10) Syringing of greens and other localized areas with hand-held hose, or with a dedicated sprinkler head, may be performed during operational hours when no persons other than maintenance personnel are within 50 feet of the perimeter of the irrigated area, the syringing or sprinkling is under the full control of maintenance personnel who are present at the green being irrigated, and no wind drifting of spray will occur.
- (11) No irrigation shall take place within 100 feet of any domestic water supply well.
- (12) No spray may be directed into the drawdown zone of a public water supply well.
- (13) No irrigation shall take place within 100 feet of any habitable building or residential property.
- (14) No irrigation shall take place within 100 feet from outdoor public eating, drinking and bathing facilities.

- (15) No reclaimed water shall come into contact with drinking fountains or water coolers.
- (16) Spraying on driveways and roads shall be avoided.
- (17) Ponding of reclaimed water shall be avoided and overland flow of reclaimed water shall be minimized.
- (18) Complete records of spray application rates shall be kept and submitted monthly to the Department during the spray application period and an annual summary shall be submitted to the Department.
- (F) The pH of the discharge shall not be less than 6.0 nor greater than 9.0 Standard Units at any time and shall be monitored on a daily basis. The Permittee shall report pH values for each day of sample collection.
- (G) The Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report on the discharge monitoring report the average and maximum daily flow for each sampling month.
- (H) All samples shall be comprised of only those wastewaters described in this schedule, therefore, samples shall be taken prior to combination with wastewaters of any other type and after all approved treatment units, if applicable. All samples taken shall be representative of the discharge during standard operating conditions.
- (I) In cases where limits and sample type are specified but sampling is not required, the limits specified shall apply to all samples which may be collected and analyzed by the Department of Energy and Environmental Protection personnel, the Permittee, or other parties.
- (J) The discharge shall not exceed and shall otherwise conform to specific terms and conditions listed below. The discharge is restricted by, and shall be monitored in accordance with, the Table A below.

TABLE A

Discharge Serial Number (DSN): 301-2				Monitoring Location: 1				
Wastewater Description: Treated Effluent								
Monitoring Location Description: Downstream weir in UV channel (unless otherwise indicated)								
Average Daily Flow: 600,000 gallons per day (gpd)				Maximum Daily Flow: 1,200,000 gallons per day (gpd)				
PARAMETER	Units	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING		
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Freq.	Sample type	Instantaneous Limit or Required Range	Sample/Reporting Freq.	Sample Type
Biological Oxygen Demand	mg/l	----	10	Weekly	Daily Composite	NA	NA	NA
Chlorine Residual ²	mg/l	NA	NA	NR	NA	0.2-1.5	Continuous	NA
E. coli	col/100mL	NA	NA	NR	NA	NA	Weekly	Grab ¹
Fecal Coliform	col/100mL	NA	NA	NR	NA	NA	4x/wk	Grab ¹
Flow, Average Daily	gpd	600,000	NA	Continuous	Daily Flow	NA	NA	NA
Flow, Maximum Daily	gpd	NA	1,200,000	Continuous	Daily Flow	NA	NA	NA
Nitrogen, Total	mg/l	NA	10	Weekly	Daily Composite	NA	NA	NA
Phosphorus, Total	mg/l	NA	1	Weekly	Daily Composite	NA	NA	NA
pH	S.U.	NA	NA	NR	NA	6.0-9.0	Once per Work Day	Grab ¹
Total Suspended Solids	mg/l	----	5	Weekly	Daily Composite	NA	NA	NA
Turbidity ^{3,4}	NTU	----	NA	Continuous	Continuous	NA	Daily	Grab ^{1,4}
Footnotes:								
1 During peak effluent flow.								
2 Test continuously and print weekly. Sample location for chlorine is reclaimed water tank.								
3 Daily determination of 24 hr. average turbidity from continuous turbidity record.								
4 Test once a day with the lab turbidimeter and compare reading with lab results when grab sample is taken. Record plant effluent flow rate when sample is taken and report both results on the Monthly Operating Report.								

(K) The Permittee shall monitor inspect and maintain the treatment facilities in accordance with Table (B) below.

TABLE B		
<u>INSPECTION, MONITORING, or MAINTENANCE</u>	<u>DISCHARGE SERIAL NO.</u>	<u>MINIMUM FREQUENCY</u>
Reclaimed Water: Treatment Plant, Storage Tank, Irrigation System		
Review of all Chemicals used at Facility and discharged to treatment plant	301-2	Annual
Check UV Disinfection System dose	301-2	Daily
Check low UV dose alarm and automatic shut down controls	301-2	Weekly
Manually calibrate Turbidimeter for filtered effluent	301-2	Every 4 months
Calibrate laboratory turbidimeter per manufacturer's instructions	301-2	Weekly
Check turbidimeter alarm and automatic shut down controls	301-2	Weekly
Operate, maintain, and calibrate chlorine residual analyzers (2) as stated in manufacturer's O&M Manuals (located at WWTP and Irrig. pump house).	301-2	Weekly
Test automatic shutdown of reclaimed water pumps. (Automatic shutdown triggered by low UV dose signal, effluent turbidity exceeding 2 NTU, and chlorine residual)	301-2	Monthly
Storage tank – check high and low level sensors for automatic shut down or start up of reclaimed water distribution pumps	301-2	Monthly
Check automatic backup system of potable water for upset condition at WWTP or inadequate flow for irrigation demand	301-2	Monthly
Monitor and report water meter readings of irrigation water usage – in and out of tank on reclaimed, potable, and irrigation water	301-2	Monitor daily, report monthly
Check alarm system for irrigation system	301-2	Monthly
Mechanical inspection of reclaimed water distribution pumps	301-2	Monthly
Mechanical inspection of irrigation pumps, ensure capacity of booster pump station is not exceeded.	301-2	Monthly
Visual inspection and maintenance on labeling, signage, and marking of plumbing for reclaimed water system	301-2	Quarterly
Check monitoring requirements for irrigation system control – irrigation times (non-playing hours, high winds, weather)	301-2	Monthly
Irrigation collection system maintenance – visual & mechanical inspection	301-2	Quarterly

TABLE B (CONTINUED)		
<u>INSPECTION, MONITORING, or MAINTENANCE</u>	<u>DISCHARGE SERIAL NO.</u>	<u>MINIMUM FREQUENCY</u>
Mechanical inspection of island drainage system for reclaimed water	301-2	Quarterly
Visual inspection that irrigation system meets the setback distances from sensitive areas/receptors.	301-2	Monthly during season
Testing for cross-connections/backflow prevention	301-2	Annual
Verify that all reclaimed water plumbing fixtures shall be labeled and/or purple.	301-2	Annual
Verify that outside plumbing fixtures have locking caps and are labeled as "Reclaimed Water, Do Not Drink".	301-2	Annual
Verify that maintenance of signs posted in areas where public access to reclaimed water is possible.	301-2	Annual
Verify that advisory notice that reclaimed water is being used to irrigate the golf course appears on all scorecards.	301-2	Annual

(L) The Permittee shall perform groundwater and surface water monitoring in accordance with Tables C and D below.

TABLE C GROUNDWATER MONITORING			
DISCHARGE SERIAL NO. 301-2		MONITORING LOCATION: W	
PRIMARY GROUND WATER MONITORING WELL NO.: N-4, N-7, N-9, N-10, S-1, S-12, S-17		DESCRIPTION: primary downgradient monitoring wells	
SECONDARY GROUND WATER MONITORING WELL NO.: N-3, N-5, N-6, N-8, N-16, S-6, S-14, S-15, S-7, WR-1		DESCRIPTION: secondary downgradient monitoring wells	
PARAMETER	UNITS	MINIMUM FREQUENCY OF SAMPLING	SAMPLE TYPE
Groundwater Depth (Standard Depth Below Grade)	ft., in.	Twice per year*	Instantaneous
Fecal Coliform	col/100ml	Twice per year*	Grab
Nitrogen, Ammonia	mg/l	Twice per year*	Grab
Nitrogen, Nitrate/Nitrite	mg/l	Twice per year*	Grab
Nitrogen, Total Kjeldahl	mg/l	Twice per year*	Grab
Nitrogen, Total	mg/l	Twice per year*	Grab
Phosphate	mg/l	Twice per year*	Grab
Phosphorus, Total	mg/l	Twice per year*	Grab

Note:

*Twice per year in the context of sampling means twice during irrigation season

Well Locations

(See reference site map, Figure 2, Implementation Plan, Ground/Surface Water Sampling for Fertilizer & Pesticides Constituents, Charter Oak Environmental Services, August 2003.)

Primary Ground Water Monitoring Wells:

<u>Well No.</u>	<u>Location</u>
N-4	Green at 4 North
N-7	Green at 7 North
N-9	Green at 9 North
N-10	Green at 10 North
S-1	Green & fairway at 1 South
S-12	Green & fairway at 12 South
S-17	Fairway at 17 South

Secondary Ground Water Monitoring Wells:

<u>Well No.</u>	<u>Location</u>
N-3	Green at 3 North & fairway at 12 North
N-5	Green & fairway at 5 North
N-6	Green & fairway at 6 North
N-8	Green & fairway at 8 North
N-16	Green & fairway at 16 North
S-6	Green, tees & fairway at 6 South
S-14	Green at 14 South
S-15	Green & fairway at 15 South
S-7	Tees at 7 South
WR-1	Driving range

**TABLE D
SURFACE WATER MONITORING**

DISCHARGE SERIAL NO. 301-2		MONITORING LOCATION: W	
SURFACE WATER MONITORING LOCATION: SW1-SW7, SW-8 (Irrigation Tank), Lake of Isles		DESCRIPTION: downgradient monitoring location	
PARAMETER	UNITS	MINIMUM FREQUENCY OF SAMPLING	SAMPLE TYPE
Nitrogen, Ammonia	mg/l	Twice per year*	Grab
Nitrogen, Nitrate/Nitrite	mg/l	Twice per year*	Grab
Nitrogen, Total Kjeldahl	mg/l	Twice per year*	Grab
Nitrogen, Total	mg/l	Twice per year*	Grab
Phosphate	mg/l	Twice per year*	Grab
Phosphorus, Total	mg/l	Twice per year*	Grab
pH	S.U.	Twice per year*	Instantaneous
Total Suspended Solids	mg/l	Twice per year*	Grab
Turbidity	N.T.U.	Twice per year*	Grab
Dissolved Oxygen	mg/l	Twice per year*	Grab ¹
Temperature	°F	Twice per year*	Instantaneous ¹
Specific Conductance	uS/cm	Twice per year*	Instantaneous ¹
Transparency	M	Twice per year*	Grab ¹
Chlorophyll	mg/l	Twice per year*	Grab ¹
<p>Note: *Twice per year in the context of sampling means twice during irrigation season ¹Vertical profile taken at the surface, middle and bottom at the deepest part of the lake. For monitoring locations, see reference site map, Figure 3, Implementation Plan, Ground/Surface Water Sampling for Fertilizer & Pesticides Constituents, Charter Oak Environmental Services, August 2003.</p>			

SECTION 5: SAMPLE COLLECTION, HANDLING AND ANALYTICAL TECHNIQUES AND REPORTING REQUIREMENTS

- (A) Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall employ methods approved by the Environmental Protection Agency pursuant to 40 CFR 136 unless an alternative method has been approved in writing in accordance with 40 CFR 136.4.
- (B) If any sample analysis indicates that an effluent limitation specified in Section 4 of this permit has been exceeded, a second sample of the effluent shall be collected and analyzed for the parameter(s) in question and the results reported to the Commissioner within 30 days of the exceedance. Resampling for permit violations is in addition to routine required sampling.
- (C) The Permittee shall enter the results of chemical analysis and treatment facilities monitoring and maintenance required by Section 4 on a Discharge Monitoring Report (DMR), provided by this office, and shall submit such DMR to the Bureau of Materials Management and Compliance Assurance by the end of the month following the month in which the samples are taken.
- (D) **Electronic Reporting:**
Unless otherwise approved in writing by the Commissioner, no later than one-hundred-twenty (120) days after the issuance of this permit, the Permittee shall report chemical analysis, monitoring and maintenance data using the Department's Onsite Wastewater Reporting System, a web-based tool that allows Permittees to electronically submit DMRs *and other required reports* through a secure internet connection. The Permittee shall subscribe to and submit such data using the Onsite Wastewater Reporting System in accordance with subsection 5(F) below.
- (E) **Subscription to the Onsite Wastewater Reporting System:**
On or before sixty (60) days after the issuance of this permit, the Permittee shall contact the Department and subscribe to the Onsite Wastewater Reporting System for electronic submission of DMR information *and other required reports*. Such subscription shall be by a person authorized to sign the Permittee's DMR and other reports as prescribed by RCSA Section 22a-430-3(b)(2) ("Signatory Authority"). To obtain a copy of the Subscriber Agreement form, please contact the Department at 860-424-3018.
- (F) **Submittal of Reports Using the Onsite Wastewater Reporting System:**
On or before one-hundred-twenty (120) days after issuance of this permit, the Permittee shall through its Signatory Authority electronically submit DMRs and reports required under this permit to the Department using the Onsite Wastewater Reporting System in satisfaction of the DMR submission requirement of subsection 5(C) above, except that the Permittee shall still be required, in response to a permit limitation violation, to submit to the Department a hard-copy report in accordance with subsection 5(H) below. Such report shall include a detailed explanation of such violation, corrective actions performed and a schedule for the completion of any corrective actions remaining. The Onsite Wastewater Reporting System is accessed from: <http://www.ctdepositereporting.org>.
- (G) **Submittal of Onsite Wastewater Reporting System Opt-Out Requests:**
If the Permittee demonstrates in writing to the Department's satisfaction that use of the Onsite Wastewater Reporting System is not reasonably possible ("opt-out request") because of a factor such as technical or administrative infeasibility, the Commissioner may grant such request and approve the submission of DMRs and other required reports in hard-copy form. Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date the Permittee would be required under this permit to begin filing DMRs and other reports using the Onsite Wastewater Reporting System. This demonstration shall be valid for twelve (12) months from the date of the Department's approval and shall thereupon expire. On or before one-hundred-twenty (120) days after such expiration, the Permittee shall electronically submit DMRs and other reports to the Department in accordance with subsections 5(E) and 5(F).

Unless otherwise indicated by the Department, all opt-out requests and subscriber requests for the Onsite

Wastewater Reporting System shall be sent to the following address:

Attn: Onsite Wastewater Reporting System Coordinator
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

(H) **Non-Electronic or Hard-Copy Submission:**

The results of chemical analysis and treatment facilities monitoring that are not required to be submitted electronically under Section 5 shall be submitted in hard-copy form on a DMR provided by this office. Such DMRs and other reports not required to be submitted electronically shall be reported to the Bureau of Materials Management and Compliance Assurance, at the following address. The DMR shall also include a detailed explanation of any violations of the limitations specified and corrective actions performed, and a schedule for the completion of any corrective actions remaining.

Bureau of Materials Management and Compliance Assurance
Water Permitting and Enforcement Division (Attn: DMR Processing)
Connecticut Department of Energy & Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

- (I) Copies of all hard-copy DMRs shall be submitted concurrently to the local Health Department.
- (J) Copies of all hard-copy DMRs shall be submitted concurrently to the local Water Pollution Control Authority (hereinafter "WPCA").

SECTION 6: RECORDING AND REPORTING OF VIOLATIONS, ADDITIONAL TESTING REQUIREMENTS

- (A) If any sample analysis indicates that an effluent limitation specified in Section 4 of this permit has been exceeded, a second sample of the effluent shall be collected and analyzed for the parameter(s) in question and the results reported to the Bureau of Materials Management and Compliance Assurance (Attn: DMR Processing) within 30 days of the exceedance.
- (B) In addition to the notification requirements specified in Section 1B of this permit, if any sampling and analysis of the discharge performed by the Permittee indicates a violation of limits specified in Section 4 of this permit, the Permittee shall notify the Bureau of Materials Management and Compliance Assurance within 24 hours of becoming aware of the violation.

SECTION 7: COMPLIANCE SCHEDULE

- (A) Every two years, on or before the anniversary date of the issuance of this permit, the Permittee shall submit the results of a detailed permit compliance audit to the Commissioner. Such audits shall be performed within sixty (60) days prior to the anniversary date. The compliance audits shall be performed by a qualified professional engineer licensed to practice in Connecticut with the appropriate education, experience and training which is relevant to the work required.

Each audit shall evaluate compliance with all permit terms and conditions for the preceding two-year period. The evaluation shall review all pertinent records and documents as necessary, including Discharge Monitoring Reports (DMRs); laboratory reports; operations and maintenance plans and performance logs/records; equipment specifications and maintenance schedules; engineering drawings; and spare parts inventory.

Each audit report shall include a description of all records and documents used in the evaluation, a summary of compliance with permit terms and conditions, and detailed descriptions of all remedial actions taken or proposed to address each violation or deficiency discovery.

(B) A copy of each audit shall be submitted concurrently to the local WPCA and to the local Health Department.

This permit is hereby issued on

Macky McCleary
Deputy Commissioner

cc: Local Health Dept.
DMR

DRAFT

**NOTICE OF TENTATIVE DETERMINATION
INTENT TO RENEW AND MODIFY A STATE PERMIT
FOR THE FOLLOWING DISCHARGE INTO THE WATERS OF THE STATE OF CONNECTICUT**

TENTATIVE DETERMINATION

The Commissioner of Energy and Environmental Protection hereby gives notice of a tentative determination to renew and modify a permit based on an application submitted by **Lake of Isles, LLC** ("the applicant") under section 22a-430 of the Connecticut General Statutes for a permit to discharge into the waters of the state.

In accordance with applicable federal and state law, the Commissioner has made a tentative determination that the continuance of the existing system to treat the discharge would protect the waters of the state from pollution and the Commissioner proposes to renew and modify a permit for the discharge to the groundwaters in the Shewville Brook watershed.

The proposed permit, if issued by the Commissioner, will require that all wastewater be treated to meet the applicable effluent limitations.

APPLICANT'S PROPOSAL

Lake of Isles, LLC proposes to increase the average daily discharge flow from 400,000 to 600,000 gallons per day and the maximum daily discharge flow from 800,000 to 1,200,000 gallons per day of reclaimed treated sewage effluent to the groundwaters in the watershed of the Shewville Brook from the irrigation at two golf courses. The proposed permit also extends the authorized irrigation period by one month and proposes to reduce the discharge monitoring requirements based on the results of monitoring reported over the last five years. The proposed permit will be issued for a term not to exceed ten (10) years.

The name and mailing address of the permit applicant are:

Lake of Isles, LLC
P.O. Box 3060
2 Matts Path
Mashantucket, CT 06338

The activity takes place at: **1 Clubhouse Drive, North Stonington, CT.**

REGULATORY CONDITIONS

Type of Treatment

The advanced sewage treatment plant consists of sequencing batch reactors, nitrification, denitrification, phosphorus removal, filtration, and ultraviolet disinfection which will produce reclaimed water. The reclaimed water will be chlorinated prior to irrigation.

Effluent Limitation

This permit contains effluent limitations consistent with a Case-by-Case Determination using the criteria of Best Professional Judgment and which will protect the waters of the state from pollution when all the conditions of this permit have been met.

Compliance Schedule

This permit contains an enforceable compliance schedule which requires the applicant to submit the results of a detailed

compliance audit to the Commissioner every two years performed by a qualified professional engineer.

COMMISSIONER'S AUTHORITY

The Commissioner of Energy and Environmental Protection is authorized to approve or deny such permits pursuant to 1) section 22a-430 of the Connecticut General Statutes and the Water Discharge Permit Regulations (section 22a-430-3 and 4 of the Regulations of Connecticut State Agencies) and 2) section 1421 of the Federal Safe Drinking Water Act 42 usc et. seq.

INFORMATION REQUESTS

The application has been assigned the following numbers by the Department of Energy and Environmental Protection. Please use these numbers when corresponding with this office regarding this application.

APPLICATION NO. 201001195

PERMIT ID NO. SP0002408

Interested persons may obtain copies of the application from Daylar CT Properties, LLC, 200 Court Street, Suite 3, Middletown, CT 06457, (860) 638-5450.

The application is available for inspection by contacting Jillian Baker 860-424-3783, at the Department of Energy and Environmental Protection, Bureau of Materials Management and Compliance Assurance, 79 Elm Street, Hartford, CT, 06106-5127 from 8:30 - 4:30, Monday through Friday.

Any interested person may request in writing that his or her name be put on a mailing list to receive notice of intent to issue any permit to discharge to the surface waters of the state. Such request may be for the entire state or any geographic area of the state and shall clearly state in writing the name and mailing address of the interested person and the area for which notices are requested.

PUBLIC COMMENT

Prior to making a final decision to approve or deny any application, the Commissioner shall consider written comments on the application from interested persons that are received within 30 days of this public notice. Written comments should be directed to Jillian Baker, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT, 06106-5127. The Commissioner may hold a public hearing prior to approving or denying an application if in the Commissioner's discretion the public interest will be best served thereby, and shall hold a hearing upon receipt of a petition signed by at least twenty-five persons. Notice of any public hearing shall be published at least 30 days prior to the hearing.

Petitions for a hearing should include the application number noted above and also identify a contact person to receive notifications. Petitions may also identify a person who is authorized to engage in discussions regarding the application and, if resolution is reached, withdraw the petition. Original petitions must be *mailed or delivered* to: DEEP Office of Adjudications, 79 Elm Street, 3rd floor, Hartford, CT, 06106-5127. Petitions cannot be sent by fax or email. Additional information can be found at www.ct.gov/deep/adjudications.

The Department of Energy and Environmental Protection is an Affirmative Action and Equal Opportunity Employer that is committed to the requirements of the Americans with Disabilities Act. To request an accommodation, call 860-424-3194, or deep.hrmed@ct.gov.

Oswald Inglese, Jr.
Director
Water Permitting and Enforcement Division
Bureau of Materials Management and Compliance Assurance

Dated: 6/27/2012