# IMISSOURI DEPARTMENT OF NATURAL RESOURCES DIN ION OF ENVIRONMENTAL QUA WATER POLLUTION CONTROL PROGRAM

DATE: November 5, 1998

TO:

FROM: WPCP - Permits Section

SUBJECT: NPDES Permit # MO-0123013

NAME:

MDNR-JCRO Big Island

The Public Notice comment period expired on November 2, 1998 and 0 comment(s) were received.

Please resolve the attached comment(s) and return with a recommended letter of reply.

Proceed to issue construction permit. NPDES is being held pending completion of construction.

RECEIVED

NOV 0 6 1998

APR 0 2 2007

Service Commission

Case No(s). (2006-1082 WOLDER 027

Big Island Homeowners Association, Inc. TYPE OF DISCHARGE October 2, 1998 Jefferson City Regional Office Domestic, new Longmont, CO MO-0123013 RECEIVING STREAM & LEGAL DESCRIBENCE JCRO Public Notice Date: Permit Number: FACILITY NAME AND ADDREPSECEIVED Basin) Sec. 6, T38N, R17W, Camden County Little. Niangua Arm (Lake of the Dearks Lake Road AA-109 Roach, MO 65787 Big Island

The design engineer, a registered Missouri professional engineer, has certified Plans and specifications for this facility have been reviewed by the Department of Natural that the plans and specifications meet all requirements of 10 CSR 20-Chapter 8 Waste Treatment Design. Resources.

#### STATE OF MISSOURI

## DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION .



RECEIVED

OCT 0 5 1998

MDNR - JCRO

## MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

	· ·
Permit No.	MO-0123013
Owner:	Big Island Homeowners Association, Inc.
Owner's Address:	P.O. Box 328, Longmont, CO 80501
Operating Authority:	N/A
Operating Authority's Address:	N/A
Facility Name:	Big Monard
Facility Address:	Lake Can AA-109 Houn, MO 05787
Legal Description:	NW 1 NW . SW 1 Sec. 6, T38N, R17W, Camden County
Receiving Stream & Basin:	Litt Niangua Arm (Lake of the Ozarks Basin) (10290110-03-00) (L2)
is authorized to discharge from the requirements as set forth-herein:	facility described herein, in accordance with the effluent limitations and monitoring
FACILITY DESCRIPTION	
Outfall #001 - Subdivis Septic tank/recirculati hauler.	ion - SIC #4952 .ng sand filter/chlorination/sludge disposal is by contra-
Design population equivolence Design flow is 22,525°c	
-	on is 2.1 dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

Effective Date	John A. Young John A. Young Director, Division of Environmental Quality	
Expiration Date	Director of Staff, Clean Water Commission	

MO 780-0041 (10-93)

PAGE NUMBER 2 of 4

#### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

PERMIT NUMBER MO-0123013

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

		FINAL EFF	LUENT LIMI	TATIONS	MONITORING REQUIREMENTS	
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001						
Flow	MGD	*		*	once/quarter***	24 hr. estimate
Biochemical Oxygen Demands**	mg/L		30	20	once/quarter***	grab
Total Suspended Solids**	mg/L		30	20	once/quarter***	grab
pH - Units	su	***		***	once/quarter***	grab
Fecal Coliform (Note 1)	#/100mL	1000		400	once/quarter	grab
Total Residual Chlorine (Notes 2 & 3)	mg/L	1.0		1.0	once/quarter	grab
MONITORING REPORTS SHALL BE SUBM DISCHARGE OF FLOATING SOLIDS OR V						L BE NO
		40000041	32323			<del></del>

#### **B. STANDARD CONDITIONS**

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN THIS PERMIT STUDJECT TO THE ATTACHED Parts I & III
STANDARD CONDITIONS DATED October 1 1980 as largust 1 1994, AND HE REBY INCORPORATED AS THOUGH
FULLY SET FORTH HEREIN.

MO 780-0010 (8/91)

## A. EFFLUENT LINE ATTEMS AND ONE ORING LOUISEMENTS (continued)

- \* Monitoring requirement
- \*\* This facilit
- required to meet a removal efficiency of 85% or more.
- \*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- \*\*\*\* Sample once per quarter in the months of January, April, July, and October.
- Note 1 Final limitations and monitoring requirements for Fecal Coliform are applicable only during the recreational season from April 1 through October 31.
- Note 2 Please note that your permit has a limit on Total Residual Chlorine. You must use an analytical method that has a detection level of 0.2-0.5~mg/L.
- Note 3 Analysis and final limits for Total Residual Chlorine (TRC) are applicable every month of the year that chlorination occurs. If there was no chlorination during a particular month between November 1 and March 31, report as "0" instead of a chlorine analytical value. The permittee must be certain they understand that if chlorination occurs, an analysis must be performed as per the permit.

#### SPECIAL CONDITIONS

- 1. This permit may be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
  - (a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
  - (b) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

- 2. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
- 3. This permit may be reopened and modified or alternatively revoked and reissued, to incorporate new or modified effluent limitations or other conditions, if the result of a wasteload allocation study, toxicity test, or other information indicates changes are necessary to ensure compliance with Missouri's Water Quality Stephards.
- 4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director soon a litter knows of has reason to believe:

- (a) That any activity has described or visit occur frich would result in the discharge of any toxic pollutant with a solution and ed in the permit, that discharge will exceed the highest of the following "not fit tion 1 sels:"

  (1) One would microstate per later 100 ug/L) for acrolein and acrylonitrile; five

  - (1) One the data of the control of t
  - 6-da trothenol and the milligram per liter (1 mg/L) for antimony;
    (3) Five (5) imes the maximum concentration value reported for the pollutant in the permit explication;
  - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.
- 5. Report as no-discharge when a discharge does not occur during the report period.

#### C. SPECIAL CONDITIONS (continued)

- 6. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
  - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic langes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies applied es, demolition debris, used vehicles or equipment and solid waste as defined in Missori's Solid Waste Law, section 260.200, RSMo, except as the use of the material is specifically permitted pursuant to section 260.200-260.24
- 7. Sludge and Biosolids Use Post Demestic Cappewater Featment Facilities
  - (a) Permittee will compare with the politicant lie tations, monitoring, reporting, and other requirements it and redance with the attribute permit Standard Conditions.

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OURI DEPARTMENT OF ATURAL RESOURCES	IMC.		
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OA DD IF NO, EXPLAIN  D 3 D 2F 3. FILING FEE RECEIVED?	Z YES	A ON []	MOUNT \$500
4. IS SIGNATURE CORRECT?	X YES	O NO	
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M. OWNER INFORMATION	OWNER'S ADDRESS		
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Bia Island	Lake Road A	A-109 Roa	ch MO 157
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#### STATE OF MISSOURI

## DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



DISCHARGE FROM CONTINOUS FLOW TREATMENT WORKS
L2 and L3-Publicly Owned lakes and reservoirs 10 CSR 20
7.015(3)(8)5.

## MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.
Owner: Big Island Homeowners Association, Inc. Owner's Address: P.O. Box 328 Longmont, CO 80501
Owner's Address: P.O. Box 328 Longmont, CO 80501
Operating Authority:
Operating Authority's Address:
Facility Name: Big Island
Facility Address: Lake Boad AA-109 Roach, MO 6578
Receiving Scream & Basin: Little Niangha Arm  Lake of the Ozarks Basin 10290110-03-00
Receiving Scream & Basin: Little Wangha Hom  ) a ke of the Ozarks Basin 10090110-03-00
requirements as set forth herein.
FACILITY DESCRIPTION Subdivision - SIC Code #4952
(facility type, type disinfection, type of sludge holding & disposal)  Suptic tank, Tecinewisting sand filter, chloningtion, suptage d
791
Design population equivalent is 300.  Design flow is 22525 gallons per day.
Actual flow is gallons per day.
Actual flow is gallons per day.  Design sludge production is dry tons/year.  Actual sludge production is dry tons/year.
This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.
John a. Young
Effective Date  15th A. Young  Director, Division of Environmental Quality

9.55

Director of Staff, Clean Water Commission

**Expiration Date** 

MO 780-0041 (10-93) Revised 7-12-95

## a. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

PAGE NUMBER PERMIT NUMBER 1-10-

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. That effluent limitations shall become effective will expiration of the permit. Such discharges : and remain in est

OUTFALL NUMBER	Ļ	FINAL E	FFLUENT LIMITA	INONITORING RE	MONITORING REQUIREMENTS		
AND EFFLUENT PARAMETER(S)	LUNITS	DAILY MAXIMUM	WEEKLY AVERAGE	Monthly Average	WEASUREMENT FREQUENCY	SAMPL TYPE	
utfall #001				•			
CHECK THE APPROPRI	ATE BOXES)					,	
lew	аэк	*			once/	24 hr. estimate	
Carbonaceous Biol	⊃gical mg/		25	72	once/	24 hr. composite	
Biochemical Cxyce	n mg/L		30	20	once/	3 rab 24 br. composite	
Fotal Suspended Solids**	. we/r		3 <b>0</b>	. 20 '	once/	orab composite	
pH - Vnits	su :	. ***		***	once/	. græb	
] Ammonia as H	mg/L				once/	darg	
Add fecal colifor	is a who	body cont	act lake)			•	
Frecal Coliforn (See Note 1)	*/100 :	2000		400	once/	gr <i>e</i> b	
Total Residual Chlorine See Note 243	mg/L		1.0	1.0	once/	greb	
HONITORING REPORTS	SE LLANE	SPENITIED -	ļ., 77	e first rep	ORT IS DUE	-	
OG)	HOT USE TH	IS FORM IF D	ISCHARGE IS	סאך אואדוא.	HILES OF A LAKE	<u>.</u>	
CHÉCK ONE	· DESI	MOTE NO			<u>XEASUREMEN</u> FREQUENCY	I REPORTIN	
X000	300.	0 - 100,00 ,000 - 300,00 ,000 - 1.3 % a than 1.3 %	25 pd 655		once/quart once/month once/week daily	monthly	
NITORING REPORTS S					EPORT IS DUE		

NTORING REPORTS SHALL	EE SUBIAITTED			ST REPORT IS DUE	
RE SHALL BE NO DISCHAR				=	
STANDARD CONDITION	ONS		~~~ <del>~~~~</del>		
DOITION TO SPECIFIED CO	HOSTATE SHOITION	erein, This Permi	T IS SUBJECT TO	THE ATTACHED	
DARD CONDITIONS DATE	Ď	******************		g , and hereey i	CORPORATED AS TO TO
SET FORTHHEREIN,				•	

#### (Use these asterisks, from library, as applicable)

*	Monitoring	requirement	only.	

- \*\* This facility is required to meet a removal efficiency of 85% or more.
- \*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 ph units.

Once per month during the month(s) of April, May, June, July, August, September, and October.

Sample once per quarter in the months of January, April, July, October

- Note # \_\_\_\_ Final limitations and monitoring requirements for Fecal Coliform are applicable only during the recreational season from April 1 through October 31.
- Note # Please note that your permit has a limit on Total Residual Chlorine.
  You must use an appropriate analytical method for chlorine that has a detection level 50% below the permit limit.
- Note # \_\_\_\_ Please note that your permit has a limit on Total Residual Chlorine.
  You must use an analytical method that has a detection level of 0.2-0.5
  mg/L.
- Note # Analysis and final limits for Total Residual Chlorine (TRC) are applicable every month of the year that chlorination occurs. If chlorination did not occur during a particular month between November 1 and March 31, report as "O" instead of a chlorine analytical value.
- Note # \_\_\_\_ When chlorine is used as a disinfectant, the effluent shall be dechlorinated and there shall be no detectable chlorine in the effluent.
- Note # \_\_\_\_\_ Monthly in stream monitoring shall be performed at locations 1/4 (one-quarter) and 1 (one) mile below the outfall for ammonia and early-morning dissolved oxygen (during summer months [June September].)
- Note # \_\_\_\_\_ Monitoring shall be conducted for the Priority Pollutants listed under 40 CFR 122.21, Appendix D.

#### ECIAL CONDITIONS

Report as no-discharge when a discharge does not occur during the report period.

This permit may be reopened and modified or alternatively revoked and reissued, to incorporate new or modified effluent limitations or other conditions, if the result of a wasteload allocation study, toxicity test, or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.

- This permit may be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2) (C), and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved: (reopener)
  - (a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
  - (b) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

- 4. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
  - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247;

## C. SPECT ONDITIONS

A.

## Chai in Discharges of Toxic Substances

The mittee shall notify the Director as soon as it knows or has reason to beli

- That any activity has occurred or will occur which would result in the facharge of any toxic pollutant which is not limited in the permit, if that fischarge will exceed the highest of the following "notification levels:"
- One hundred micrograms per liter (100 ug/1);

  (2) Two hundred micrograms per liter (200 ug/1) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/1) for 2,4 dimitrophenol and for 2-methyl-4, 6-dimitrophenol; and one milligram per liter (1 mg/1) for antimony;
- (3) Five (5) times the maximum concentration value reported for the pollutan in the permit application;
- (4) The level established in Part A of the permit by the Director.
- b. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.

he per 10 CSR 20-7.015 (8) 5.C., only the wastewater in excess of the capacity of the capacity

Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.