



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

Robert L. Ehrlich, Jr.
Governor

Kend P. Philbrick
Secretary

Michael S. Steele
Lt. Governor

Jonas A. Jacobson
Deputy Secretary

September 1, 2005

IGENE BIOTECHNOLOGY
9110 RED BRANCH ROAD
COLUMBIA, MD 21045

RE: State Water Appropriation
Permit No. HO1983G006(03)
Revision 03

Dear Permittee:

Enclosed is your State Water Appropriation Permit. The permittee is responsible for complying with all permit conditions. Accordingly, you are advised to carefully read the Permit and become thoroughly familiar with its requirements.

If you have any questions, please contact this office at (410) 537-3590.

Sincerely,

MARK T. FILAR

Water Supply Program

cc: HOWARD COUNTY HEALTH DEPARTMENT

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

WATER APPROPRIATION AND USE PERMIT

PERMIT NUMBER: HO1983G006(03)

EFFECTIVE DATE: SEPTEMBER 1, 2005

EXPIRATION DATE: SEPTEMBER 1, 2017

FIRST APPROPRIATION: AUGUST 1, 1983



IGENE BIOTECHNOLOGY

HEREINAFTER REFERRED TO AS THE "PERMITTEE", IS AUTHORIZED BY THE WATER MANAGEMENT ADMINISTRATION, HEREINAFTER REFERRED TO AS THE "ADMINISTRATION" PURSUANT TO THE PROVISIONS OF TITLE 5 OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND (1996 REPLACEMENT VOLUME) AS AMENDED, TO APPROPRIATE AND USE WATERS OF THE STATE SUBJECT TO THE FOLLOWING CONDITIONS:


1. ALLOCATION - THE WATER WITHDRAWAL GRANTED BY THIS PERMIT IS LIMITED TO:
A DAILY AVERAGE OF 250 GALLONS ON A YEARLY BASIS AND
A DAILY AVERAGE OF 500 GALLONS FOR THE MONTH OF MAXIMUM USE.
2. USE - THE WATER IS TO BE USED FOR COOLING WATER.
3. SOURCE - THE WATER SHALL BE TAKEN FROM ONE WELL IN THE LOWER PELITIC SCHIST OF THE WISSAHICKON FORMATION.
4. LOCATION - THE POINT(S) OF WITHDRAWAL SHALL BE LOCATED AT 9110 RED BRANCH ROAD, COLUMBIA, HOWARD COUNTY, MARYLAND.

CONTINUED ON PAGE 2

5. RIGHT OF ENTRY - THE PERMITTEE SHALL ALLOW AUTHORIZED REPRESENTATIVES OF THE ADMINISTRATION ACCESS TO THE PERMITTEE'S FACILITY TO CONDUCT INSPECTIONS AND EVALUATIONS NECESSARY TO ASSURE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT. THE PERMITTEE SHALL PROVIDE SUCH ASSISTANCE AS MAY BE NECESSARY TO EFFECTIVELY AND SAFELY CONDUCT SUCH INSPECTIONS AND EVALUATIONS.
6. PERMIT REVIEW - THE PERMITTEE WILL BE QUERIED EVERY THREE YEARS (TRIENNIAL REVIEW) REGARDING WATER USE UNDER THE TERMS AND CONDITIONS OF THIS PERMIT. FAILURE TO RETURN THE TRIENNIAL REVIEW QUERY WILL RESULT IN SUSPENSION OR REVOCATION OF THIS PERMIT.
7. PERMIT RENEWAL - THIS PERMIT WILL EXPIRE ON THE DATE INDICATED ON THE FIRST PAGE OF THIS PERMIT. IN ORDER TO RENEW THE PERMIT THE PERMITTEE SHALL FILE A RENEWAL APPLICATION WITH THE ADMINISTRATION NO LATER THAN 45 DAYS PRIOR TO THE EXPIRATION.
8. PERMIT SUSPENSION OR REVOCATION - THIS PERMIT MAY BE SUSPENDED OR REVOKED BY THE ADMINISTRATION UPON VIOLATION OF THE CONDITIONS OF THIS PERMIT, OR UPON VIOLATION OF ANY REGULATION PROMULGATED PURSUANT TO TITLE 5 OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND (1996 REPLACEMENT VOLUME) AS AMENDED.
9. CHANGE OF OPERATIONS - ANY ANTICIPATED CHANGE IN APPROPRIATION WHICH MAY RESULT IN A NEW OR DIFFERENT USE, QUANTITY, SOURCE, OR PLACE OF USE OF WATER SHALL BE REPORTED TO THE ADMINISTRATION BY THE PERMITTEE BY SUBMISSION OF A NEW APPLICATION.
10. ADDITIONAL PERMIT CONDITIONS - THE ADMINISTRATION MAY AT ANYTIME (INCLUDING TRIENNIAL PERMIT REVIEW OR WHEN A CHANGE APPLICATION IS SUBMITTED) REVISE ANY CONDITION OF THIS PERMIT OR ADD ADDITIONAL CONDITIONS CONCERNING THE CHARACTER, AMOUNT, MEANS AND MANNER OF THE APPROPRIATION OR USE, WHICH MAY BE NECESSARY TO PROPERLY PROTECT, CONTROL AND MANAGE THE WATER RESOURCES OF THE STATE. CONDITION REVISIONS AND ADDITIONS WILL BE ACCOMPLISHED BY ISSUANCE OF A REVISED PERMIT.

11. DROUGHT PERIOD EMERGENCY RESTRICTIONS - IF THE DEPARTMENT DETERMINES THAT A DROUGHT PERIOD OR EMERGENCY EXISTS, THE PERMITTEE MAY BE REQUIRED UNDER THE DEPARTMENT'S DIRECTION TO STOP OR REDUCE WATER USE. ANY CESSATION OR REDUCTION OF WATER USE MUST CONTINUE FOR THE DURATION OF THE DROUGHT PERIOD OR EMERGENCY, OR UNTIL THE DEPARTMENT DIRECTS THE PERMITTEE THAT WATER USE UNDER STANDARD PERMIT CONDITIONS MAY BE RESUMED.
12. NON-TRANSFERRABLE - THIS PERMIT IS NON-TRANSFERRABLE. A NEW OWNER MAY ACQUIRE AUTHORIZATION TO CONTINUE THIS APPROPRIATION BY FILING A NEW APPLICATION WITH THE ADMINISTRATION. AUTHORIZATION WILL BE ACCOMPLISHED BY ISSUANCE OF A NEW PERMIT.
13. WATER LEVEL MEASUREMENTS - FOR ALL THE APPLICANT'S WELLS FOUR (4) INCHES IN DIAMETER OR LARGER, PUMPING EQUIPMENT SHALL BE INSTALLED SO THAT WATER LEVELS CAN BE MEASURED DURING PUMPING AND NONPUMPING PERIODS WITHOUT DISMANTLING ANY EQUIPMENT. ANY OPENING FOR TAPE MEASUREMENTS OF WATER LEVELS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 0.5 INCHES AND BE SEALED BY A REMOVABLE CAP OR PLUG. THE PERMITTEE SHALL PROVIDE A TAP FOR TAKING RAW WATER SAMPLES BEFORE WATER ENTERS A TREATMENT FACILITY, PRESSURE TANK, OR STORAGE TANK.
14. PERMIT SUPERSESSION - THIS PERMIT HAS BEEN REVIEWED AND REVISED AND SUPERSEDES THE APPROPRIATION AND USE GRANTED BY THE FOLLOWING PRIOR PERMIT ISSUED TO:
IGENE BIOTECHNOLOGY ON AUGUST 1, 1993 (HO1983G006(02))

BY AUTHORITY OF THE DIRECTOR
WATER MANAGEMENT ADMINISTRATION

 9/9/05

John W. Grace, Chief
SOURCE PROTECTION AND APPROPRIATION DIV

PERMIT NO.: HO1983G006(03) ACTID: 198380916 September 1, 2005

APPLICANT: IGENE BIOTECHNOLOGY
REMARKS:
PROJECT DESC: IGENE BIOTECHNOLOGY

WATER TYPE: F REPORT CODE: N
AQUIFER TEST: WQ ANALYSIS:

ADC MAP: 16 C 3
MD GRIDS: NORTH 509000 EAST 0852000
TAX MAP NO.: 30 BLOCK NO.: 18 PARCEL: 269 SBDN BLOCK:
LOT: 28
CO GEO-HYDRO MAP: K USGS TOPO: SAVAGE, MARYLAND

SUB-BASIN: 02-13-11-05 STREAM CODE: AQUIFER CODE: 300P
WATER USE: CODE 1 CODE 2 CODE 3 CODE 4
| 306 100.0 | 0.0 | 0.0 | 0.0 |

INTAKES: INTAKE ID N GRID E GRID USE PERCENT

CARBON COPIES:

SUPPLEMENTAL/RELATED (S/R):

SECONDARY NAMES:

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Maryland Department of Assessments and Taxation
HOWARD COUNTY
 Real Property Data Search

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Account Identifier: District - 12 Account Number - 000065

Owner Information

Owner Name: RED BRANCH CENTER LLC
 C/O SITE REALTY GROUP
Use: INDUSTRIAL
Mailing Address: 2141 INDUSTRIAL PKWY
 SILVER SPRING MD 20904-1988
Principal Residence: NO
Deed Reference: 1) / 5026/ 689
 2)

Location & Structure Information

Premises Address
 9110 RED BRANCH RD
 COLUMBIA 21045

Legal Description
 LTS 26 THRU 29 2.563
 9110 RED BRANCH RD
 OAKLAND RIDGE IND

Map	Grid	Parcel	Sub District	Subdivision	Section	Block	Lot	Assessment Area	Plat No: Plat Ref:
30	17	269					26 29	1	

Special Tax Areas	Town Ad Valorem Tax Class	A/V, METRO FIRE TAX

Primary Structure Built	Enclosed Area	Property Land Area	County Use
1974	38,840 SF	2.56 AC	
Stories	Basement	Type	Exterior

Value Information

	Base Value	Value As Of 01/01/2004	Phase-in Assessments	
			As Of 07/01/2006	As Of 07/01/2007
Land:	446,000	446,000		
Improvements:	1,322,800	1,322,800		
Total:	1,768,800	1,768,800	1,768,800	NOT AVAIL
Preferential Land:	0	0	0	NOT AVAIL

Transfer Information

Seller: GLENBOROUGH PROPERTIES LP	Date: 03/02/2000	Price: \$1,640,000
Type: NOT ARMS-LENGTH	Deed1: / 5026/ 689	Deed2:
Seller: NEW ENGLAND LIFE PENSION PROP II	Date: 10/27/1997	Price: \$1,900,000
Type: IMPROVED ARMS-LENGTH	Deed1: / 4094/ 368	Deed2:
Seller: COLUMBIA WAREHOUSE LTD PARTN.	Date: 06/29/1984	Price: \$137,500
Type: IMPROVED ARMS-LENGTH	Deed1: / 1263/ 719	Deed2:

Exemption Information

Partial Exempt Assessments	Class	07/01/2006	07/01/2007
County	000	0	0
State	000	0	0
Municipal	000	0	0

Tax Exempt: NO
Exempt Class:

Special Tax Recapture:

* NONE *