

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

WATER APPROPRIATION AND USE PERMIT

PERMIT NUMBER: GA1992S009(07)

EFFECTIVE DATE: APRIL 1, 2007
EXPIRATION DATE: APRIL 1, 2019
FIRST APPROPRIATION: JANUARY 1, 1925



BROOKFIELD POWER PINEY & DEEP CREEK LLC

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 94,000,000 GALLONS ON A YEARLY BASIS AND A MAXIMUM DAILY WITHDRAWAL OF 420,000,000 GALLONS.
2. USE - THE WATER IS TO BE USED FOR HYDROELECTRIC GENERATION, TEMPERATURE ENHANCEMENT, WHITEWATER BOATING ENHANCEMENT, AND MAINTENANCE OF MINIMUM FLOWS IN THE YOUGHIOGHENY RIVER.
3. SOURCE - THE WATER SHALL BE TAKEN FROM DEEP CREEK LAKE.
4. LOCATION - THE POINT(S) OF WITHDRAWAL SHALL BE LOCATED AT THE EXISTING INTAKE STRUCTURE AT THE DEEP CREEK LAKE DAM, THREE MILES WEST OF THAYERVILLE, GARRETT COUNTY, MARYLAND.

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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. 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.

12. FLOW MEASUREMENT - THE PERMITTEE SHALL MEASURE ALL WATER USED UNDER THIS PERMIT BY A METHOD WHICH SHALL BE APPROVED BY THE ADMINISTRATION. THE PERMITTEE SHALL MAINTAIN A DAILY LOG, SUBJECT TO INSPECTION BY AN AUTHORIZED REPRESENTATIVE OF THE ADMINISTRATION.
13. WITHDRAWAL REPORTS - THE PERMITTEE SHALL SUBMIT TO THE ADMINISTRATION, SEMI-ANNUALLY (JULY-DECEMBER, NO LATER THAN JANUARY 31 AND JANUARY-JUNE, NO LATER THAN JULY 31), WATER USE RECORDS. THESE RECORDS SHALL SHOW THE TOTAL QUANTITY OF WATER RELEASED EACH MONTH UNDER THIS PERMIT.
14. RULE BAND AND OPERATION PROTOCOLS - THE PERMITTEE SHALL OPERATE THE DEEP CREEK HYDROELECTRIC PROJECT (PROJECT) ACCORDING TO THE PROJECT OPERATING RULES SPECIFIED THROUGHOUT THIS PERMIT SUCH THAT WATER ELEVATIONS IN DEEP CREEK LAKE ARE MAINTAINED WITHIN THE OPERATING RULE BAND, EXCEPT IN THE EVENT OF UNUSUAL OR EMERGENCY CONDITIONS AS DEFINED BELOW. THE UPPER AND LOWER RULE BANDS ARE THE HIGHEST AND LOWEST DESIRABLE RESERVOIR LEVELS AT THE END OF EACH MONTH. THE UPPER AND LOWER END OF EACH MONTH ARE DEFINED IN THE FOLLOWING TABLE. WHEN LAKE LEVELS ARE ABOVE THE UPPER RULE BAND, THE PERMITTEE MAY RELEASE WATER AS NEEDED TO DRAW DOWN THE LAKE TO A LEVEL WITHIN THE RULE BAND. ELEVATIONS ARE GIVEN IN FEET ABOVE MEAN SEA LEVEL.

PROJECT OPERATING RULE BAND

MONTH	UPPER BAND ELEVATIONS	LOWER BAND ELEVATIONS
JANUARY	2457.9	2455.0
FEBRUARY	2457.9	2456.0
MARCH	2459.5	2458.0
APRIL	2461.0	2459.6
MAY	2461.0	2460.0
JUNE	2461.0	2460.0
JULY	2460.0	2459.0
AUGUST	2459.0	2458.0
SEPTEMBER	2458.5	2457.0
OCTOBER	2457.9	2456.0
NOVEMBER	2457.9	2455.0
DECEMBER	2457.9	2455.0

IN THE EVENT OF UNUSUAL OR EMERGENCY CONDITIONS, THE NORMAL MONTHLY OPERATING RULES MAY BE MODIFIED OR SUSPENDED UNTIL SUCH TIME AS UNUSUAL OR EMERGENCY CONDITIONS NO LONGER EXIST. UNUSUAL OR EMERGENCY CONDITIONS ARE DEFINED AS:

14. CONT'D

- (A) A SYSTEM EMERGENCY, DEFINED AS MAXIMUM EMERGENCY GENERATION UNDER THE PENNSYLVANIA-NEW JERSEY-MARYLAND INTERCONNECTION (PJM) HIERARCHY OF EMERGENCY ORDERS, OR EMERGENCY LOADING OF SPINNING RESERVE CAPACITY, OR EMERGENCY CONTROL OF TRANSMISSION FACILITY LOADING;
- (B) A SITE EMERGENCY SUCH AS FAILURE OR PROBABLE FAILURE OF THE DAM THAT REQUIRES MAXIMUM RELEASE FOR RAPID DRAWDOWN OF THE RESERVOIR;
- (C) A SITE EMERGENCY OR OTHER FORCED (UNSCHEDULED) OUTAGE REQUIRING SHUTDOWN OF THE INTAKE, POWER TUNNEL, PENSTOCKS, OR GENERATING UNITS, RESULTING IN THE INABILITY TO GENERATE OR TO OPERATE THE PROPOSED MINIMUM RELEASE BYPASS;
- (D) MAINTENANCE OF THE DAM OR REPAIR OF LAKE SHORELINE EROSION WHICH REQUIRES LOWERING OF LAKE LEVEL BELOW THE LOWER RULE BAND TO ALLOW ACCESS OR TO CONTROL INFLOW;
- (E) ACTUAL OR FORECAST EXTRAORDINARILY HIGH RUNOFF OR RAINFALL WHICH REQUIRES UNLIMITED GENERATION IN ORDER TO KEEP THE LAKE LEVEL BELOW THE UPPER RULE BAND AND/OR AVOID SPILLING OVER THE TOP OF THE DAM.

THE DURATION AND TIMING OF PLANNED OUTAGES SHALL BE APPROVED IN ADVANCE BY THE ADMINISTRATION. IN PROPOSING PLANNED OUTAGES, THE PERMITTEE SHALL DETAIL REASONS WHY THE OUTAGE IS NECESSARY AS WELL AS HOW THE OUTAGE WILL IMPACT THE FISHERY AND WHITEWATER RECREATION IN THE YOUGHIOGHENY RIVER. TO THE EXTENT POSSIBLE, PLANNED OUTAGES SHALL NOT OCCUR DURING MID-APRIL THROUGH MID-OCTOBER.

- 15. LAKE LEVEL MONITORING AND REPORTING - THE PERMITTEE SHALL MEASURE AND RECORD THE WATER ELEVATIONS IN THE DEEP CREEK LAKE AT APPROXIMATELY THE SAME TIME EACH DAY. THE PERMITTEE SHALL REPORT THE RESULTS OF WATER-LEVEL MONITORING TO THE ADMINISTRATION ON AN ANNUAL BASIS, AND SHALL MAINTAIN A DAILY LOG OF MEASUREMENTS, SUBJECT TO INSPECTION BY THE ADMINISTRATION.
- 16. TEMPERATURE ENHANCEMENT IN THE YOUGHIOGHENY RIVER - THE PERMITTEE SHALL IMPLEMENT A PLAN APPROVED BY THE DEPARTMENT FOR USING PROJECT OPERATION, OR A COMBINATION OF MINIMUM FLOW RELEASES AND PROJECT OPERATION, TO MAINTAIN WATER TEMPERATURES LESS THAN 25 DEGREES C IN THE YOUGHIOGHENY RIVER BETWEEN THE PROJECT TAILRACE AND SANG RUN, DURING THE MONTHS OF JUNE, JULY

16. CONT'D
AND AUGUST. THE PLAN MUST INCLUDE A TRIGGERING MECHANISM AND REAL-TIME MONITORING OF RIVER TEMPERATURE. THE PLAN MUST INCLUDE A PROTOCOL FOR PREDICTING TEMPERATURE RELEASES ON THE MORNING OF THE RELEASE, AS EARLY AS THREE HOURS IN ADVANCE. THE PERMITTEE SHALL REPORT TO THE DEPARTMENT ALL OCCURRENCES OF WATER TEMPERATURES EQUALING OR EXCEEDING 25 DEGREES C WITHIN 30 DAYS OF THE DATE OF OCCURRENCE, INCLUDING PROPOSED MEASURES OR CHANGES TO THE PLAN TO PRECLUDE FUTURE INCIDENTS WHERE WATER TEMPERATURE EQUALS OR EXCEEDS 25 DEGREES C. THE PERMITTEE SHALL INCLUDE THE RESULTS OF TEMPERATURE MONITORING IN AN ANNUAL REPORT. THE PERMITTEE SHALL, IN CONSULTATION WITH THE DEPARTMENT, CONTINUE TO REFINE OR REVISE THE PLAN WITH THE OBJECTIVE OF MAINTAINING WATER TEMPERATURES IN THE RIVER BETWEEN THE PROJECT TAILRACE AND SANG RUN BELOW 25 DEGREES C AT ALL TIMES DURING THE MONTHS OF JUNE, JULY AND AUGUST.
17. MINIMUM FLOW RELEASES - THE PERMITTEE SHALL MAINTAIN AND OPERATE A BYPASS SYSTEM AT THE PROJECT TO MAINTAIN A MINIMUM FLOW OF 40 CFS IN THE YOUGHIOGHENY RIVER DOWNSTREAM OF THE PROJECT TAILRACE. THE MINIMUM FLOW SHALL BE MAINTAINED AT ALL TIMES BELOW THE TAILRACE. A REDUCTION IN THE MINIMUM FLOW BELOW 40 CFS MAY BE REQUESTED OF THE ADMINISTRATION WHEN RESERVOIR LEVELS ARE ONE FOOT OR MORE BELOW THE LOWER RULE BAND. THE PERMITTEE SHALL ESTIMATE FLOW IN THE YOUGHIOGHENY RIVER IMMEDIATELY BELOW THE TAILRACE AT APPROXIMATELY THE SAME TIME EACH DAY. A REPORT OF FLOW ESTIMATES AND THE OCCURRENCE OF BYPASS RELEASES SHALL BE SUBMITTED TO THE DEPARTMENT IN AN ANNUAL REPORT, AND A DAILY LOG OF SUCH RELEASES SHALL BE MAINTAINED, SUBJECT TO INSPECTION BY AN AUTHORIZED REPRESENTATIVE OF THE ADMINISTRATION. THE PERMITTEE SHALL PROVIDE A CONTINUOUS FLOW INTO THE TAILRACE OF APPROXIMATELY 9 CFS DURING THE MONTHS OF JUNE, JULY AND AUGUST, EVEN WHEN THERE IS NO MINIMUM BYPASS FLOW AS REQUIRED BY THIS CONDITION.
18. DISSOLVED OXYGEN MITIGATION - THE PERMITTEE SHALL MAINTAIN AND OPERATE A TAILRACE WEIR DESIGNED TO INCREASE DISSOLVED OXYGEN LEVELS IN ALL PROJECT DISCHARGES ABOVE MARYLAND WATER QUALITY STANDARDS AS OUTLINED IN COMAR 26.08.02 (5 PPM MINIMUM, 6 PPM DAILY AVERAGE). THE PERMITTEE SHALL MONITOR DISSOLVED OXYGEN LEVELS OF PROJECT DISCHARGES BY A METHOD APPROVED BY THE ADMINISTRATION DURING JUNE 1 TO OCTOBER 1. THE RESULTS OF DISSOLVED OXYGEN MONITORING SHALL BE SUBMITTED TO THE DEPARTMENT IN AN ANNUAL REPORT. THE PERMITTEE SHALL MAINTAIN A LOG OF MEASUREMENTS, SUBJECT TO INSPECTION BY AN AUTHORIZED REPRESENTATIVE OF THE ADMINISTRATION.

19. RELEASES FOR WHITEWATER RECREATION

A) WHITEWATER RELEASES. THERE ARE TWO TYPES OF SCHEDULED WHITEWATER RELEASES (WWR); STANDARD AND SPECIAL RELEASES. ALL WWR ARE SUBJECT TO THE RULE BAND AND OPERATION REQUIREMENTS IN CONDITION 14, THE TEMPERATURE ENHANCEMENT RELEASE (TER) REQUIREMENTS IN CONDITION 16 AND THE PARAMETERS DEFINED BELOW IN PARAGRAPH B. THE INTENT OF WWR IS TO ENHANCE RECREATIONAL WHITEWATER ENJOYMENT FROM THE PROJECT TAILRACE TO FRIENDSVILLE.

I) STANDARD WWR. WITH THE EXCEPTION OF THE SPECIAL WWR CONDITIONS IN PARAGRAPH II) BELOW, STANDARD WWR WILL OCCUR ON SUNDAYS, MONDAYS, FRIDAYS, AND SATURDAYS BETWEEN APRIL 15TH AND OCTOBER 15TH IN ACCORDANCE WITH THE FOLLOWING TABLE AND MAY BE MODIFIED BY ITEMS II) AND III) BELOW.

<u>MONTH</u>	<u>SUNDAY</u>	<u>MONDAY</u>	<u>FRIDAY</u>	<u>SATURDAY</u>
APRIL	NONE	NONE	ALL FRIDAYS AFTER APRIL 14TH (1000 HR TO 1300 HR)	NONE
MAY	NONE	1ST TWO MONDAYS (1000 HR TO 1300 HR)	1ST THREE FRIDAYS (1000 HR TO 1300 HR)	1ST SATURDAY (1000 HR TO 1300 HR)
MEMORIAL DAY WEEKEND	ODD NUMBERED YEARS (1000 HR TO 1300 HR)	ODD NUMBERED YEARS (1000 HR TO 1300 HR)	EVEN NUMBERED YEARS (1000 HR TO 1300 HR)	EVEN NUMBERED YEARS (1000 HR TO 1300 HR)
JUNE	NONE	EVERY MONDAY (1100 HR TO 1400 HR)	EVERY FRIDAY (1100 HR TO 1400 HR)	LAST TWO SATURDAYS (1100 HR TO 1400 HR)
JULY	NONE	EVERY MONDAY (1100 HR TO 1400 HR)	EVERY FRIDAY (1100 HR TO 1400 HR)	EVERY SATURDAY (1100 HR TO 1400 HR) (see also Special WWR below)
AUGUST	NONE	EVERY MONDAY (1100 HR TO 1400 HR)	EVERY FRIDAY (1100 HR TO 1400 HR)	EVERY SATURDAY (1100 HR TO 1400 HR)
SEPTEMBER	NONE	EVERY MONDAY (1000 HR TO 1300 HR)	EVERY FRIDAY (1000 HR TO 1300 HR)	FIRST TWO SATURDAYS (1000 HR TO 1300 HR)
OCTOBER	NONE	ALL MONDAYS BEFORE OCTOBER 16TH (1000 HR TO 1300 HR)	ALL FRIDAYS BEFORE OCTOBER 16TH (1000 HR TO 1300 HR)	FIRST SATURDAY (1000 HR TO 1300 HR)

II) SPECIAL WWR. SPECIAL WWR MUST BE REQUESTED IN WRITING TO MDE NO LATER THAN 30 CALENDAR DAYS BEFORE THE SPECIAL WWR AND WILL, AT A MINIMUM, INCLUDE:

- + ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE WWR. THE FOURTH SATURDAY WWR IN JULY WILL BE AN EXTENDED SIX (6) HOUR CONTINUOUS RELEASE BETWEEN 1100 HOURS AND 1700 HOURS TO ACCOMMODATE THE ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE. THE ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE WWR IS CONTINGENT ON THE LAKE LEVEL ELEVATION BEING HIGHER THAN THE ONE (1) FOOT BELOW THE LOWER RULE BAND ON THE DAY OF THE WWR.
- + GAULEY WEEK WWR. GAULEY WEEK RELEASES INCLUDE CONTINUOUS THREE (3) HOUR RELEASES FROM 1000 HOURS TO 1300 HOURS ON TUESDAY, WEDNESDAY, AND THURSDAY OF THE WEEK BEFORE THE GAULEY FESTIVAL WEEKEND IN SUMMERSVILLE, WEST VIRGINIA. THE GAULEY FESTIVAL WEEKEND IS TYPICALLY SCHEDULED DURING THE SECOND HALF OF SEPTEMBER. EACH DAY OF THE GAULEY WEEK WWR IS CONTINGENT ON THE LAKE LEVEL ELEVATION BEING HIGHER THAN THE LOWER RULE BAND.

III) SYNCHRONIZATION OF WWR WITH TER. THE EXTENT PRACTICABLE AND AT THE DISCRETION OF THE PERMITTEE, ANY WWR MAY BE SYNCHRONIZED WITH ANY TER THAT MAY BE REQUIRED DURING THE MONTHS OF JUNE, JULY, AND AUGUST. SYNCHRONIZATION MEANS COMMENCING A WWR UP TO ONE (1) HOUR EARLIER TO MORE ACCURATELY COINCIDE WITH A TER. IN THE EVENT THE PERMITTEE EXPECTS TO SYNCHRONIZE A WWR WITH A TER ON A GIVEN DAY, IT SHALL PLACE NOTICE OF THE SAME ON A RECORDED MESSAGE, ACCESSIBLE TO THE PUBLIC BY TELEPHONE AS SOON AS THE DECISION TO SYNCHRONIZE IS MADE.

B) FROM APRIL 15TH THROUGH OCTOBER 15TH, THE FOLLOWING ADDITIONAL OPERATING RULES WILL ALSO BE IN EFFECT:

- I) THE PERMITTEE SHALL NOT OPERATE THE PROJECT FOR HYDROELECTRIC GENERATION BEFORE 1300 HOURS WHEN NATURAL FLOWS AS MEASURED AT FRIENDSVILLE USGS GAGE 03076500 (FRIENDSVILLE) ARE BETWEEN 1300 AND 2500 CFS UNLESS AN UNUSUAL OR EMERGENCY CONDITION EXISTS, OR LAKE EXCEEDS THE UPPER RULE BAND.

- II) WHEN NATURAL FLOWS AS MEASURED AT FRIENDSVILLE ARE GREATER THAN 600, BUT LESS THAN 1300 CFS, AND LAKE ELEVATION IS WITHIN THE RULE BANDS SPECIFIED IN CONDITION 14, POWERHOUSE DISCHARGE SHALL BE NO GREATER THAN THE MAXIMUM DISCHARGE OF ONE TURBINE FOR THE FIRST THREE (3) HOURS OF SCHEDULED GENERATION.
- III) DURING WEEKS THAT CONTAIN A SATURDAY RELEASE, THE PERMITTEE SHALL MAKE RELEASES ON SATURDAYS WHEN THE LAKE LEVEL IS HIGHER THAN ELEVATION THAT IS ONE FOOT BELOW THE LOWER RULE BAND, AND ON SUNDAYS, MONDAYS AND FRIDAYS WHEN THE LAKE LEVEL IS ABOVE THE LOWER RULE BAND.
- IV) DURING WEEKS THAT DO NOT CONTAIN A SATURDAY RELEASE, THE PERMITTEE SHALL MAKE RELEASES ON FRIDAYS WHEN THE LAKE LEVEL IS HIGHER THAN AN ELEVATION THAT IS ONE FOOT BELOW THE LOWER RULE BAND, AND ON SUNDAYS AND MONDAYS WHEN THE LAKE LEVEL IS ABOVE THE LOWER RULE BAND.
- V) THE PERMITTEE MAY VARY POWERHOUSE DISCHARGE DURING ANY WWR IN ACCORDANCE WITH EITHER OF THE FOLLOWING TWO APPROACHES EXCEPT DURING THE ANNUAL TEAM FRIENDSVILLE UPPER YOUGH RACE WWR AND EXCEPT WHEN A WWR IS SYNCHRONIZED WITH A TER.

(1) 3RD HOUR REGULATION APPROACH

- + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS LESS THAN 600 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 320 CFS AND MAXIMUM DISCHARGE OF TWO TURBINES DURING THE THIRD HOUR OF ANY WWR SO LONG AS POWERHOUSE DISCHARGE DURING THE FIRST TWO HOURS OF THE WWR IS HELD CONSTANT AT MAXIMUM DISCHARGE OF TWO TURBINES.
- + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS GREATER THAN 600 CFS BUT LESS THAN 1300 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 220 CFS AND MAXIMUM DISCHARGE OF ONE TURBINE DURING THE THIRD HOUR OF ANY WWR SO LONG AS POWER HOUSE DISCHARGE DURING THE FIRST TWO HOURS OF THE WWR IS HELD CONSTANT AT MAXIMUM DISCHARGE OF ONE TURBINE.

(2) ALL HOUR REGULATION APPROACH.

- + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS LESS THAN OR EQUAL TO 200 CFS, POWERHOUSE DISCHARGE WILL BE HELD CONSTANT AT MAXIMUM DISCHARGE OF TWO TURBINES FOR ALL THREE HOURS OF ANY WWR.
 - + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS BETWEEN 200 AND 300 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 440 CFS AND MAXIMUM DISCHARGE OF TWO TURBINES DURING ANY PART OF ANY THREE HOUR WWR.
 - + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS BETWEEN 300 AND 600 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 320 AND MAXIMUM DISCHARGE OF TWO TURBINES DURING ANY PART OF ANY THREE HOUR WWR.
 - + WHEN NATURAL FLOW AS MEASURED AT FRIENDSVILLE IS GREATER THAN 600 CFS BUT LESS THAN 1300 CFS, POWERHOUSE DISCHARGE MAY VARY BETWEEN 220 CFS AND MAXIMUM DISCHARGE OF ONE TURBINE DURING ANY PART OF ANY THREE HOUR WWR.
20. ANNOUNCEMENT OF EXPECTED RELEASES - ON EACH THURSDAY, THE PERMITTEE SHALL PLACE ON A RECORDED MESSAGE ACCESSIBLE TO THE PUBLIC BY TELEPHONE, A FORECAST OF EXPECTED RELEASES FOR THE FOLLOWING WEEK. EACH MORNING, BETWEEN 0700 AND 0800 HOURS, THE PERMITTEE SHALL PLACE ON THE RECORDED MESSAGE INFORMATION ON THE SCHEDULED RELEASES FOR THE NEXT 48 HOURS.
21. ZEBRA MUSSEL MONITORING - THE PERMITTEE SHALL IMPLEMENT A ZEBRA MUSSEL (*DREISSENA POLYMORPHA*) MONITORING PROGRAM APPROVED BY THE ADMINISTRATION. THE RESULTS OF SUCH MONITORING SHALL BE SUBMITTED IN AN ANNUAL REPORT.
22. NOTICE OF GENERATION RELEASES - AT STRATEGIC LOCATIONS, SELECTED IN CONSULTATION WITH THE ADMINISTRATION AND INCLUDING THE SANG RUN AND HOYES RUN ACCESS AREAS, THE PERMITTEE SHALL PROMINENTLY DISPLAY WARNING NOTICES REGARDING THE HAZARD OF RAPID WATER LEVEL FLUCTUATIONS ASSOCIATED WITH WATER RELEASES FROM DEEP CREEK LAKE.

23. ANNUAL REPORT - THE PERMITTEE SHALL SUBMIT AN ANNUAL REPORT TO THE ADMINISTRATION NO LATER THAN JANUARY 31 OF EACH YEAR. THE REPORT SHALL INCLUDE THE FOLLOWING DATA FOR THE PREVIOUS CALENDAR YEAR:
- A) LAKE LEVEL MONITORING (CONDITION 15);
 - B) TEMPERATURE MONITORING (CONDITION 16);
 - C) MINIMUM FLOW RELEASE MONITORING (CONDITION 17);
 - D) DISSOLVED OXYGEN MONITORING (CONDITION 18);
 - E) RELEASES UNSUITABLE FOR WHITEWATER RECREATION (CONDITION 19);
 - F) ZEBRA MUSSEL MONITORING (CONDITION 21).
24. PERMIT SUPERSESSION - THIS PERMIT HAS BEEN REVIEWED AND REVISED AND SUPERSEDES THE APPROPRIATION AND USE GRANTED BY THE FOLLOWING PRIOR PERMIT ISSUED TO:
BRASCAN POWER PINEY AND DEEP CREEK LLC ON APRIL 27, 2005
(GA1992S009(06))

BY AUTHORITY OF THE DIRECTOR
WATER MANAGEMENT ADMINISTRATION



John W. Grace, Chief
SOURCE PROTECTION AND APPROPRIATION DIV