

**Attachment 4 to**

**GNRO-2012/00039**

**Entergy Nuclear Grand Gulf Nuclear Station License Renewal Environmental  
Audit – Hydrology Patton – Attachment D labeled “Well Permits”**

**Attachment D**

**Well Permits**

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Radial Well' 1

**PERMIT**  
**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02971

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 756

JACKSON

MS 39286

**Source Of Water:** MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4

**Section:** 04 **Township:** 12N **Range:** 01E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 16132.5965 Acre-Foot/Year *equivalent to 14.4 Million Gallons/Day*

**Maximum Rate:** 10000 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756

PORT GIBSON

MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq.(1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02970

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
 JACKSON MS 39286

**Source Of Water:** MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4      **Section:** 04    **Township:**12N    **Range:** 01E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 16132.5965 Acre-Feet/Year      *equivalent to 14.4 Million Gallons/Day*

**Maximum Rate:** 10000 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
 PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
 Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02969

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
 JACKSON MS 39286

**Source Of Water:** MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4      **Section:** 02    **Township:** 12N    **Range:** 01E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 16132.5965 Acre-Foot/Year      *equivalent to 14.4 Million Gallons/Day*

**Maximum Rate:** 10000 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
 PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
 Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-00371

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
 JACKSON MS 39286

**Source Of Water:** MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4      **Section:** 02    **Township:** 12N    **Range:** 01E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 16132.5965 Acre-Foot/Year      *equivalent to 14.4 Million Gallons/Day*

**Maximum Rate:** 10000 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
 PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
 Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 2309**  
**Jackson, Mississippi 39225**

Radial Well 6

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-16714

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995

JACKSON

MS 39286-1995

**Source Of Water:** MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4

**Section:** 02 **Township:** 12N **Range:** 01E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 16132.5965 Acre-Feet/Year

*equivalent to* 14.4 Million Gallons/Day

**Maximum Rate:** 10000 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756

PORT GIBSON

MS 39150

**Date Permit Issued:** 03/10/2010

**Date Permit Expires:** 03/10/2020

**Date Permit Modified:**

**Date Permit Re-issued:**

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Construction Well 1

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02967

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995

JACKSON

MS 39286-1995

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4

**Section:** 12 **Township:** 12N **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** .25 Million Gallons/Day *equivalent to* 280.0798 Acre-Feet/Year

**Maximum Rate:** 500 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756

PORT GIBSON

MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:** 10/10/2007

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
Office Director



**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Construction Well 3

**PERMIT**  
**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

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**Permit Number:** MS-GW-14989

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995

JACKSON

MS 39286-1995

**Source of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4

**Section:** 12 **Township:** 12N **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 280.0798 Acre-Feet/Year *equivalent to* .25 Million Gallons/Day

**Maximum Rate:** 500 Gallons/Minute

**Applicant Name:** ENTERGY OPERATIONS INC

**Applicant Address:** PO BOX 31995

JACKSON

MS 39286-1995

**Date Permit Issued:** 08/22/1995

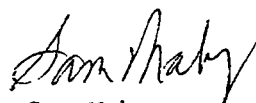
**Date Permit Expires:** 09/26/2015

**Date Permit Modified:** 10/10/2007

**Date Permit Re-issued:** 09/26/2005

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Construction Well 4

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

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**Permit Number:** MS-GW-15026

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995

JACKSON

MS 39286-1995

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** INDUSTRIAL

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4

**Section:** 12 **Township:** 12N **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 280.0798 Acre-Feet/Year *equivalent to* .25 Million Gallons/Day

**Maximum Rate:** 500 Gallons/Minute

**Applicant Name:** ENTERGY OPERATIONS INC

**Applicant Address:** PO BOX 31995

JACKSON

MS 39286-1995

**Date Permit Issued:** 01/09/1996

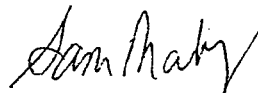
**Date Permit Expires:** 09/26/2015

**Date Permit Modified:** 10/10/2007

**Date Permit Re-issued:** 09/26/2005

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
Office Director

# STATE OF MISSISSIPPI

Department of Environmental Quality

Office of Land and Water Resources

P. O. Box 10631

Jackson, Mississippi 39289-0631

Dewatering Well 1

## PERMIT

### TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02979

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995

JACKSON

MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** STANDBY DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4

**Section:** 12 **Township:** 12N **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 0 Acre-Foot/Year *equivalent to* 0 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756

PORT GIBSON

MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

SPECIAL TERMS AND CONDITIONS: PERMITTED FOR STANDBY USE ONLY. THE PERMITTEE MUST CONTACT AND RECEIVE APPROVAL FROM OLWR TO ACTIVATE WELL.



Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Dewatering Well 2

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02978

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
JACKSON MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** STANDBY DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4      **Section:** 12      **Township:** 12N      **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 0 Acre-Feet/Year      *equivalent to* 0 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986


**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** PERMITTED FOR STANDBY USE ONLY. THE PERMITTEE MUST CONTACT AND RECEIVE APPROVAL FROM OLWR TO ACTIVATE WELL.

  
Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Dewatering Well 3

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02977

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
JACKSON MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** STANDBY DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4 **Section:** 12 **Township:** 12N **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 0 Acre-Foot/Year *equivalent to* 0 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

SPECIAL TERMS AND CONDITIONS: PERMITTED FOR STANDBY USE ONLY. THE PERMITTEE MUST CONTACT AND RECEIVE APPROVAL FROM OLWR TO ACTIVATE WELL.



Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Dewatering Well 4

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq.(1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02976

**Landowner Name:** SYSTEM ENERGY RESOURCES INC  
**Landowner Address:** PO BOX 31995  
JACKSON MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** STANDBY DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4      **Section:** 12      **Township:** 12N      **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 0 Acre-Feet/Year      *equivalent to* 0 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986


**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** PERMITTED FOR STANDBY USE ONLY. THE PERMITTEE MUST CONTACT AND RECEIVE APPROVAL FROM OLWR TO ACTIVATE WELL.

  
Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Dewatering Well 5

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

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**Permit Number:** MS-GW-02975

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
JACKSON MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** STANDBY DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4 **Section:** 12 **Township:** 12N **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 0 Acre-Foot/Year *equivalent to* 0 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986


**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** PERMITTED FOR STANDBY USE ONLY. THE PERMITTEE MUST CONTACT AND RECEIVE APPROVAL FROM OLWR TO ACTIVATE WELL.

  
Sam Mabry  
Office Director

**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Dewatering Well 6

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

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**Permit Number:** MS-GW-02974

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
JACKSON MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4      **Section:** 12    **Township:** 12N    **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 11.2032 Acre-Feet/Year    *equivalent to* .01 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE

  
Sam Mabry  
Office Director



**STATE OF MISSISSIPPI**  
**Department of Environmental Quality**  
**Office of Land and Water Resources**  
**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Dewatering Well 7

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

**Permit Number:** MS-GW-02973

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
JACKSON MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4      **Section:** 12    **Township:** 12N    **Range:** 02E

**County:** CLAIBORNE

**Quad:** GRAND GULF

**Maximum Volume:** 11.2032 Acre-Foot/Year    *equivalent to* .01 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986

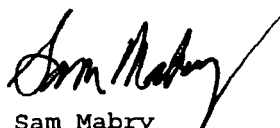
**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE



Sam Mabry  
Office Director

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**Department of Environmental Quality**  
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**P. O. Box 10631**  
**Jackson, Mississippi 39289-0631**

Dewatering Well 8

**PERMIT**

**TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS**

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**Permit Number:** MS-GW-02972

**Landowner Name:** SYSTEM ENERGY RESOURCES INC

**Landowner Address:** PO BOX 31995  
JACKSON MS 39286

**Source Of Water:** TERRACE DEPOSITS, UNDIFFERENTIATED

**Beneficial Use:** DEWATERING

**Diversion/Withdrawal Location:** IR 1/4 of the IR 1/4 **Section:** 12 **Township:** 12N **Range:** 02E

**County:** CLAIBORNE **Quad:** GRAND GULF

**Maximum Volume:** 11.2032 Acre-Foot/Year *equivalent to* .01 Million Gallons/Day

**Maximum Rate:** 200 Gallons/Minute

**Applicant Name:** GRAND GULF NUCLEAR STATION

**Applicant Address:** PO BOX 756  
PORT GIBSON MS 39150

**Date Permit Issued:** 11/18/1986

**Date Permit Expires:** 09/25/2016

**Date Permit Modified:**

**Date Permit Re-issued:** 09/25/2006

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

**SPECIAL TERMS AND CONDITIONS:** NONE

  
Sam Mabry  
Office Director