National Pollutant Discharge Elimination System
Waste Discharge Permit WA-002496-1

State of Washington
ENERGY FACILITY SITE EVALUATION EFSEC
Olympia, Washington 98504-3172

In compliance with the provisions of the:
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington; and

State of Washington Energy Siting Law
Chapter 80.50 Revised Code of Washington; and

Federal Water Pollution Control Act
(Clean Water Act)
Title 33 United States Code, Section 1251 et seq.

GRAY HARBOR ENERGY CENTER

Grays Harbor Energy Center
P.O. Box 26
Satsop, Washington 98583

Facility Location:
401 Keys Road
Elma, Washington 98541

Receiving Water:
Outfall 001:
Chehalis River at RM 19.7

Industry Type:
Electric Generating Plant (SIC 4911)

Discharge Location:
Outfall 001: Latitude: 46.971944° N
Longitude: 123.486333° W
Outfall 002B:
Grays Harbor Public Development Authority pond immediately west of Keys Road

Water Body ID No.: Outfall 001
WA-22-4040

Grays Harbor Energy Center is authorized to discharge in accordance with the special and general conditions that follow.

Date: 10/25/10

Chairman, Energy Facility Site Evaluation Council
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAY HARBOR ENERGY CENTER</td>
<td>1</td>
</tr>
<tr>
<td>SUMMARY OF PERMIT REPORT SUBMITTALS</td>
<td>4</td>
</tr>
<tr>
<td>SPECIAL CONDITIONS</td>
<td>5</td>
</tr>
<tr>
<td>S1. DISCHARGE LIMITS</td>
<td>5</td>
</tr>
<tr>
<td>A. General</td>
<td>5</td>
</tr>
<tr>
<td>B. Interim Limits</td>
<td>5</td>
</tr>
<tr>
<td>C. Mixing Zone Authorization for Outfall No. 001</td>
<td>6</td>
</tr>
<tr>
<td>D. Final Limits</td>
<td>6</td>
</tr>
<tr>
<td>S2. MONITORING REQUIREMENTS</td>
<td>6</td>
</tr>
<tr>
<td>A. Interim Monitoring Schedule</td>
<td>6</td>
</tr>
<tr>
<td>B. Final Monitoring Schedule</td>
<td>7</td>
</tr>
<tr>
<td>C. Stormwater Benchmarks, Prohibitions, and Monitoring Requirements</td>
<td>7</td>
</tr>
<tr>
<td>D. Sampling and Analytical Procedures</td>
<td>9</td>
</tr>
<tr>
<td>E. Flow Measurement</td>
<td>10</td>
</tr>
<tr>
<td>F. Laboratory Accreditation</td>
<td>10</td>
</tr>
<tr>
<td>S3. REPORTING AND RECORDKEEPING REQUIREMENTS</td>
<td>10</td>
</tr>
<tr>
<td>A. Reporting</td>
<td>10</td>
</tr>
<tr>
<td>B. Records Retention</td>
<td>11</td>
</tr>
<tr>
<td>C. Recording of Results</td>
<td>11</td>
</tr>
<tr>
<td>D. Additional Monitoring by the Permittee</td>
<td>11</td>
</tr>
<tr>
<td>E. Reporting Permit Violations</td>
<td>11</td>
</tr>
<tr>
<td>F. Other Nonecompliance Reporting</td>
<td>13</td>
</tr>
<tr>
<td>G. Maintaining a Copy of This Permit</td>
<td>13</td>
</tr>
<tr>
<td>S4. OPERATION AND MAINTENANCE</td>
<td>13</td>
</tr>
<tr>
<td>A. Operations and Maintenance Manual</td>
<td>13</td>
</tr>
<tr>
<td>B. Bypass Procedures</td>
<td>14</td>
</tr>
<tr>
<td>C. Duty to Mitigate</td>
<td>16</td>
</tr>
<tr>
<td>S5. SCHEDULE OF COMPLIANCE</td>
<td>16</td>
</tr>
<tr>
<td>S6. APPLICATION FOR PERMIT RENEWAL</td>
<td>19</td>
</tr>
<tr>
<td>S7. SOLID WASTE DISPOSAL</td>
<td>19</td>
</tr>
<tr>
<td>A. Solid Waste Handling</td>
<td>19</td>
</tr>
<tr>
<td>B. Leachate</td>
<td>19</td>
</tr>
<tr>
<td>C. Solid Waste Control Plan</td>
<td>20</td>
</tr>
<tr>
<td>S8. SPILL PLAN</td>
<td>20</td>
</tr>
<tr>
<td>S9. OUTFALL INSPECTION</td>
<td>20</td>
</tr>
<tr>
<td>S10. ACUTE TOXICITY</td>
<td>21</td>
</tr>
<tr>
<td>A. Effluent Characterization</td>
<td>21</td>
</tr>
<tr>
<td>B. Sampling and Reporting Requirements</td>
<td>21</td>
</tr>
<tr>
<td>S11. CHRONIC TOXICITY</td>
<td>22</td>
</tr>
<tr>
<td>A. Effluent Characterization</td>
<td>22</td>
</tr>
<tr>
<td>B. Sampling and Reporting Requirements</td>
<td>23</td>
</tr>
<tr>
<td>S12. PERMIT REOPENER</td>
<td>24</td>
</tr>
<tr>
<td>GENERAL CONDITIONS</td>
<td>25</td>
</tr>
<tr>
<td>G1. SIGNATORY REQUIREMENTS</td>
<td>25</td>
</tr>
<tr>
<td>G2. RIGHT OF INSPECTION AND ENTRY</td>
<td>26</td>
</tr>
<tr>
<td>G3. PERMIT ACTIONS</td>
<td>26</td>
</tr>
<tr>
<td>G4. REPORTING PLANNED CHANGES</td>
<td>27</td>
</tr>
<tr>
<td>G5. PLAN REVIEW REQUIRED</td>
<td>27</td>
</tr>
</tbody>
</table>
G6. COMPLIANCE WITH OTHER LAWS AND STATUTES.................................................. 27
G7. TRANSFER OF THIS PERMIT .................................................................................. 27
G8. REDUCED PRODUCTION FOR COMPLIANCE ..................................................... 28
G9. REMOVED SUBSTANCES .................................................................................... 28
G10. DUTY TO PROVIDE INFORMATION ................................................................... 28
G11. OTHER REQUIREMENTS OF 40 CFR ................................................................ 28
G12. ADDITIONAL MONITORING .............................................................................. 28
G13. PAYMENT OF FEES ........................................................................................... 29
G14. PENALTIES FOR VIOLATING PERMIT CONDITIONS .......................................... 29
G15. UPSET ............................................................................................................... 29
G16. PROPERTY RIGHTS ............................................................................................ 29
G17. DUTY TO COMPLY .............................................................................................. 29
G18. TOXIC POLLUTANTS .......................................................................................... 30
G19. PENALTIES FOR TAMPERING ............................................................................ 30
G20. REPORTING ANTICIPATED NONCOMPLIANCE ............................................... 30
G21. REPORTING OTHER INFORMATION .................................................................. 30
G22. REPORTING REQUIREMENTS APPLICABLE TO EXISTING MANUFACTURING,
COMMERCIAL, MINING, AND SILVICULTURAL DISCHARGERS ................................ 30
G23. COMPLIANCE SCHEDULES .............................................................................. 31

List of Tables

Table 1: Effluent Limitations ......................................................................................... 5
Table 2: Monitoring Schedule - Circulating Cooling Water Blowdown Discharge – Outfall 001 6
Table 3: Stormwater Benchmarks and Monitoring Requirements ................................. 8

Appendices

Appendix A: Effluent Characterization for Washington State Priority Toxic Pollutants