



Indiantown Generating Plant

Owner: Indiantown Cogeneration Limited Partnership

P.O. Box 1799
Indiantown, FL 34956

561.597.6500
Fax: 561.597.6520
Internet: www.gen.pge.com

October 5, 2000

Karen Henry
The Performance Track Information Center
c/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

VIA FEDERAL EXPRESS

Re: National Environmental Achievement Track Application Package

Dear Ms. Henry:

Pursuant to your conversation with Anne Vogel-Marr, please find enclosed submittal of our National Environmental Achievement Track Application package.

The enclosed package reflects recent personnel changes at our facility. For convenience we have provided a complete package which replaces our original submission.

Please contact our General Manager, Chip Allen, at 561-597-6500, extension 46, if you have any questions.

Sincerely,

David Burrage
Environmental Manager

Enclosure

cc: C. Allen
A. Vogel-Marr
File

September 25, 2000

The Performance Track Information Center
c/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

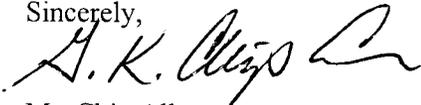
RE: Submittal of National Environmental Achievement Track Application Package

Dear Sir or Madam:

Enclosed please find a completed National Environmental Achievement Track application package for PG&E National Energy Group's Indiantown Cogeneration, L.P. facility. We are extremely pleased to be able to submit this application for your consideration, and would welcome the opportunity to meet with you to answer any questions you may have, or to provide you with additional details about our facility and our EMS.

Please contact me at (561) 597-6500 if you wish to discuss our application or our operations.

Sincerely,



Mr. Chip Allen

General Manager
Indiantown Cogeneration, L. P.
19140 SW Warfield Blvd
Indiantown, Florida 34956-1799

enclosure

cc: A. Vogel-Marr, PG&E National Energy Group

~~A04-0046~~
A04-0028



***National
Environmental
Achievement Track***

Application Form

Indiantown Cogeneration L.P.

Name of facility

PG&E National Energy Group

Name of parent company (if any)

19140 SW Warfield Blvd.

Street address

Indiantown, FL 34956-1799

City/State/Zip code

Give us information about your contact person for the
National Environmental Achievement Track Program.

Name George (Chip) Allen

Title General Manager

Phone 561-597-6500

Fax 561-597-6520

E-mail chip.allen@neg.pge.com

Why do we need this information?

EPA needs background information on your facility to evaluate your application.

What do you need to do?

- Provide background information on your facility.
- Identify your environmental requirements.



1 What do you do or make at your facility?

Electric generation - nominal 330 MWs

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC
4911

NAICS

3 Does your company meet the Small Business Administration definition of a small business for your sector?

Yes No

4 How many employees (full-time equivalents) currently work at your facility?

- Fewer than 50
- 50-99
- 100-499
- 500-1,000
- More than 1,000

5 Does your facility have an EPA ID number(s)?

Yes No

If yes, list in the right-hand column.

FLR 000018663

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right *or* enclose a completed Checklist with your application.

See completed checklist -- Attachment A
See also Attachment B -- Indiantown Regulatory Approvals

7 Check the appropriate box in the right-hand column.

I've listed the requirements above.
 I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

See Attachment C

Why do we need this information?

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

What do you need to do?

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.

1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

- a. Environmental policy Yes*
- b. Planning Yes
- c. Implementation and operation Yes
- d. Checking and corrective action Yes
- e. Management review Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)? Yes

3 Did this cycle include both an EMS and a compliance audit? Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? Yes

If yes, what method of EMS assessment did you use?

- Self-assessment
 - GEMI
 - Other
 - CEMP
 - ISO 14001 Self Developed Checklist

Third-party assessment

ISO 14001 Certification

Other (ISO Pre-14001 conformance audit - preliminary)

*Commitment to public outreach is implicit in corporate policies and other documents (including Annual Environmental Report) and is demonstrated through facility actions. We will be working to make this commitment more explicit, at both the facility and corporate levels.

Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Gaseous Chlorine Use	80,000	lbs	0	0
<p>i. How is the current level an improvement over the previous level?</p> <p>Gaseous Chlorine was eliminated</p>				
<p>ii. How did you achieve this improvement?</p> <p>Reduced gaseous chlorine use to zero by substituting less toxic chemicals, there by eliminating the potential for a release of chlorine gas.</p>				

Second aspect you've selected

What aspect have you selected? lbs lime/MWhr	What was the previous level (2 years ago)? Quantity 24.44	Units lbs lime/MWhr gen	What is the current level? Quantity 20.10	Units lbs lime/MWhr gen
<p>i. How is the current level an improvement over the previous level?</p> <p>We have improved the efficiency of the SO2 removal of lime use by 18%. This means less lime is used to achieve the same result.</p>				
<p>ii. How did you achieve this improvement?</p> <p>Experimented with quality of dilution water. Discovered better quality water requires less lime. Also tightened operator controls to allow for close control of SDA equipment, resulting in lower lime usage rates.</p>				

2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

Note to small facilities: If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

First aspect you've selected

a. What is the aspect? Air Emission - NOx, SO2

b. Is this aspect identified as significant in your EMS? Yes No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

<input type="checkbox"/> Option A: Absolute value	(Quantity/Units)
<input checked="" type="checkbox"/> Option B: In terms of units of production or output	NOx - 582 lb/hr SO2 - 582 lb/hr (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

- Option A: Absolute value (Quantity/Units)
- Option B: In terms of units of production or output
NOx 480 lb/hr ann avg
SOx 480 lb/hr ann avg
(Quantity/Units)

e. How will you achieve this improvement?

More efficient use of current pollution control equipment - modify ammonia control system to increase ammonia flow rate. Increase haeater size on ammonia system. Lime delivery improvements TBD.

Second aspect you've selected

a. What is the aspect?

Internal Energy Use

b. Is this aspect identified as significant in your EMS?

Yes No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

- Option A: Absolute value 10380 BTU/KW hr (Quantity/Units)
- Option B: In terms of units of production or output (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

- Option A: Absolute value 10,000 BTU/KW hr (Quantity/Units)
- Option B: In terms of units of production or output (Quantity/Units)

e. How will you achieve this improvement?

Internal auxilliary power efficiencies. Formal P2 Process

Third aspect you've selected

- a. What is the aspect? Beneficial use/recycling of ash*
- b. Is this aspect identified as significant in your EMS? Yes No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- Option A: Absolute value 10% (Quantity/Units)
- Option B: In terms of units of production or output (Quantity/Units)
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- Option A: Absolute value 50% (Quantity/Units)
- Option B: In terms of units of production or output (Quantity/Units)
- e. How will you achieve this improvement? Identify new markets for ash. *Due to effective P2 program to reduce lime use, ash no longer has characteristics necessary to qualify for beneficial use. So we are down to a 10% beneficial use rate from 90% in July 2000.
-
-

Fourth aspect you've selected

- a. What is the aspect? Reduce CO2 emissions.
- b. Is this aspect identified as significant in your EMS? Yes No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- Option A: Absolute value 250 tons/hr (Quantity/Units)
- Option B: In terms of units of production or output (Quantity/Units)
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- Option A: Absolute value (Quantity/Units)
- Option B: In terms of units of production or output 237.5 -247.5 tons/hr 1-5% reduction (Quantity/Units)
- e. How will you achieve this improvement? Develop CO2 recovery facility; houseload improvements; implement biofuel use in heavy equipment.

Why do we need this information?

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

What do you need to do?

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

Community concerns are not frequently raised due to Indiantown's outreach to and working within the community, which ensures sharing of ideas in a proactive manner. This is achieved by Indiantown team's participation in community organizations, including membership in the Educational Coalition, Kiwanas, Chamber of Commerce, and Local Trust Fund. Indiantown is thoroughly committed to open and honest communication with the local community of which we are an integral part.

2 How do you inform community members of important matters that affect them?

Kiwanas Club meetings, Chamber of Commerce meetings, Flyers, e-mail, personal visits, town meetings

3 How will you make the Achievement Track Annual Performance Report available to the public?

- Website www. *
- Newspaper
- Open Houses
- Other

The Annual Report will be placed in the Indiantown lunch room (used for community outreach) and distributed to local organizations in which Indiantown maintains membership.

*Placement on the PG&E NEG website is also being discussed with our corporate office.

4 Are there any ongoing citizen suits against your facility?

- Yes
- No

If yes, describe briefly in the right-hand column.

5 List references below

	<i>Organization</i>	<i>Name</i>	<i>Phone number</i>
<i>Representative of a Community/ Citizen Group</i>	Indiantown Gas Company	Brian Powers	561-597-2268
<i>State/Local Regulator</i>	FDEP	Mike Halpin	850-921-9509
<i>Other community/local reference</i>	Indiantown Chamber office	Rossana Gonzales Director	561-597-2184

On behalf of Indiantown Cogeneration L.P.
[my facility],

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date 

Printed Name/Title Chip Allen, General Manager

Facility Name Indiantown Cogeneration L.P.

Facility Street Address 19140 SW Warfield Blvd., Indiantown, FL 34956-1799

Facility ID Numbers

National Environmental Achievement Track

Environmental Requirements Checklist

The following Checklist is provided to assist facilities in answering Section A, "Tell us about your facility," Question 6. The Checklist is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The Checklist is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

Facility Name Indiantown Cogeneration, L.P.
Facility Location: Indiantown, FL
Facility ID Number(s): FLR000018663
(attach additional sheets if necessary) See also Attachment C

Air Pollution Regulations

Check All
That Apply

- | | |
|---|-------------------------------------|
| 1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61) | <input checked="" type="checkbox"/> |
| 2. Permits and Registration of Air Pollution Sources | <input checked="" type="checkbox"/> |
| 3. General Emission Standards, Prohibitions and Restrictions | <input checked="" type="checkbox"/> |
| 4. Control of Incinerators | <input type="checkbox"/> |
| 5. Process Industry Emission Standards | <input checked="" type="checkbox"/> |
| 6. Control of Fuel Burning Equipment | <input checked="" type="checkbox"/> |
| 7. Control of VOCs | <input checked="" type="checkbox"/> |
| 8. Sampling, Testing and Reporting | <input checked="" type="checkbox"/> |
| 9. Visible Emissions Standards | <input checked="" type="checkbox"/> |
| 10. Control of Fugitive Dust | <input checked="" type="checkbox"/> |
| 11. Toxic Air Pollutants Control | <input checked="" type="checkbox"/> |
| 12. Vehicle Emissions Inspections and Testing | <input checked="" type="checkbox"/> |

Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above (identify)

- | | |
|---|-------------------------------------|
| 13. Risk Management Plan (40 CFR 68) | <input checked="" type="checkbox"/> |
| 14. Florida Stationary Sources of Air Emissions;
PSD Permit/Title V Permit | <input checked="" type="checkbox"/> |

Hazardous Waste Management Regulations

- | | |
|---|-------------------------------------|
| 1. Identification and Listing of Hazardous Waste (40 CFR 261) | |
| - Characteristic Waste | <input checked="" type="checkbox"/> |
| - Listed Waste | <input checked="" type="checkbox"/> |
| 2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262) | |

- Manifesting
- Pre-transport requirements
- Record keeping/reporting
- 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
 - Transfer facility requirements
 - Manifest system and record-keeping
 - Hazardous waste discharges
- 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
 - General facility standards
 - Preparedness and prevention
 - Contingency plan and emergency procedures
 - Manifest system, Record keeping and reporting
 - Groundwater protection
 - Financial requirements
 - Use and management of containers
 - Tanks
 - Waste piles
 - Land treatment
 - Incinerators
- 5. Interim Status Standards for TSD Owners and Operators (40 CFR 265)
- 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267)
- 7. Administered Permit Program (Part B) (40 CFR 270)

Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (identify)

- 8. OSHA Hazardous Waste Operations & Emergency Response (29CFR1910.120)
- 9. RCRA Contingency Plan Requirements (40 CFR 264 Subpart D + 265 Subpart D)

Hazardous Materials Management

- 1. Control of Pollution by Oil and Hazardous Substances (33 CFR 153)
- 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302)
- 3. Hazardous Materials Transportation Regulations (49 CFR 172-173)
- 4. Worker Right-to-Know Regulations (29 CFR 1910.1200)
- 5. Community Right-to-Know Regulations (40 CFR 350-372)

Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (identify)

- 6. Florida Hazardous Substances Release - Nonfication Reg'ts FAC 62-150
- 7. Florida Storage Tank System Regulations (FAC 62-761 + 62-767)

Solid Waste Management

- 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257)
- 2. Permit Requirements for Solid Waste Disposal Facilities
- 3. Installation of Systems of Refuse Disposal
- 4. Solid Waste Storage and Removal Requirements
- 5. Disposal Requirements for Special Wastes

Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (identify)

- 6.
- 7.

Water Pollution Control Requirements

- 1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112)
- 2. Designation of Hazardous Substances (40 CFR 116)
- 3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117)
- 4. NPDES Permit Requirements (40 CFR 122)
- 5. Toxic Pollutant Effluent Standards (40 CFR 129)
- 6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403)
- 7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414)
- 8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415)
- 9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416)
- 10. Water Quality Standards
- 11. Effluent Limitations for Direct Dischargers
- 12. Permit Monitoring/Reporting Requirements
- 13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants
- 14. Collection, Handling, Processing of Sewage Sludge
- 15. Oil Discharge Containment, Control and Cleanup
- 16. Standards Applicable to Indirect Discharges (Pretreatment)

Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above (identify)

- 17. Florida Wastewater Facility Permitting (FAC 62-620)
- 18. General Water Use Permit

Drinking Water Regulations

- 1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146)
- 2. National Primary Drinking Water Standards (40 CFR 141)

- 3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141)
- 4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources
- 5. Underground Injection Control Requirements
- 6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems

Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above(identify)

- 7.
- 8.

Toxic Substances

- 1. Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704)
- 2. Import and Export of Chemicals (40 CFR 707)
- 3. Chemical Substances Inventory Reporting Requirements (40 CFR 710)
- 4. Chemical Information Rules (40 CFR 712)
- 5. Health and Safety Data Reporting (40 CFR 716)
- 6. Pre-Manufacture Notifications (40 CFR 720)
- 7. PCB Distribution Use, Storage and Disposal (40 CFR 761)
- 8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762)
- 9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775)

Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above (identify)

- 10.
- 11.

Pesticide Regulations

- 1. FIFRA Pesticide Use Classification (40 CFR 162)
- 2. Procedures for Disposal and Storage of Pesticides and Containers (40 CFR 165)
- 3. Certification of Pesticide Applications (40 CFR 171)
- 4. Pesticide Licensing Requirements
- 5. Labeling of Pesticides
- 6. Pesticide Sales, Permits, Records, Application and Disposal Requirements
- 7. Disposal of Pesticide Containers
- 8. Restricted Use and Prohibited Pesticides

Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above (identify)

- 9.
- 10.

Environmental Clean-Up, Restoration, Corrective Action

- 1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (identify)

- 2. RCRA Corrective Action (identify)

Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration, Corrective Action Regulations Not Listed Above (identify)

- 3. Petroleum Contamination Site Clean-up Criteria (FAC 62-770)
- 4. OSHA Employee Emergency Action Plans and Fire Prevention Plans (29 CFR 1910.38
Florida Electrical Power Plant Siting Act (FAC62-17)
Federal Aviation Administration Requirements.

Attachment B
INDIANTOWN REGULATORY APPROVALS

Document	Date Issued
Florida Public Service Commission (PSC) Order Granting Petition for Determination of Need	3/21/91
PSC Order Approving Power Purchase Agreement	3/21/91
Florida Power Plan Siting Board Order Approving Site Certification	2/7/92
Florida Department of Environmental Regulation (DER) Prevention of Significant Deterioration Permit	3/26/92
Martin County Planning & Zoning Board Approval of Planned United Development (PUD) Zoning Agreement	7/24/91
Federal Aviation Administration (FAA) Determination of No Hazard to Air Navigation	11/21/91
U.S. Army Corps of Engineers (COE) General Permit to Construct Intake Structure	2/5/92
Federal Energy Regulatory Commission "Qualifying Facility" Certification	8/21/92
Environmental Protection Agency (EPA) New Source Determination	8/8/91
DER Order Approving Modified Site Certification	7/20/92
DER Approval of PSI) Permit Modification	7/16/92
Martin County Approval of PUD Agreement Amendment & Final Plat Approval	7/28/92
COE Nationwide Permit to Relocate Ditch	9/1/92
DER Approval of R relocation of Ditch	8/25/92
COE Determination of No Jurisdiction Over CSX Ditch	8/25/92
DER Approval of Filling CSX Ditch	9/23/92

INDIANTOWN REGULATORY APPROVALS

Document	Date Issued
Florida Department of Transportation (DOT) Permit to Construct a South Bound Right Turn Lane and an East Bound Right Turn Lane for State Road 710	9/16/92
Game and Fresh Water Fish Commission (GFWFC) Approval of Wildlife Survey	9/22/92
GFWFC Approval of Design & Location of Structure to Facilitate Movement of Wildlife on Site	9/22/92
GFWFC Approval of Upland Preserve and Wetland Management Plan	9/22/92
South Florida Water Management District (SFWMD) Inspection of and Approval of Preserve Area Barricades	9/25/92
SFWMD Approval of Conservation Easement	9/25/92
SFWMD Approval of Preserve Area Management Plan	9/25/92
SFWMD Approval of 1) Manufacturer's Specifications for Liner of Relocated Ditch and 2) Approval of any Design Changes in Erosion Control Mechanism	9/25/92
SFWMD Approval of Construction Hazardous Waste/Material Contingency Plan	7/15/92
SFWMD Approval of Surface & Groundwater Monitoring Program	9/25/92
SFWMD Approval of Access Road Construction Plan	9/25/92
SFWMD Approval of Frequency of Water Level and Quality Data Collection and Sampling in Surficial Aquifer	9/25/92
SFWMD Approval of Dewatering Plan	9/25/92

INDIANTOWN REGULATORY APPROVALS

Document	Date Issued
SFWMD Approval of Surface Water Management System Construction Plan	9/25/92
SFWMD Approval of Water Storage Area Construction Plan (minor impoundment's)	9/25/92
SFWMD Approval of Surface Water Discharge Monitoring Program	9/25/92
DER Approval of Construction Hazardous Waste/Material Contingency Plan	9/17/92
DER Approval of Groundwater Monitoring Plan	9/17/92
Martin County Approval of Upland Preserve and Wetland Management Plan	9/22/92
Martin County Approval of Conservation Easement	9/22/92
Martin County Approval of Construction Plan	9/16/92
Martin County Inspection of and Approval of Preserve Area Barricades	9/10/92
EPA Stormwater Discharge Permit for Construction	12/31/92
Florida Power Plant Siting Board Order Holding that Project is Consistent and in Compliance with Land Use Plans and Zoning Ordinances of Martin County and Okeechobee County	9/24/9 1
DER Approval of All Construction Staging Areas Except for Water Pipeline	9/17/92
Martin County Approval of Special Exception for Mining and Excavation Activities	9/22/92
Martin County Certificate of Public Facilities Reservation	9/16/92

INDIANTOWN REGULATORY APPROVALS

Document	Date Issued
Okeechobee County Approval to Build Intake Structure and Cross County Roads	12/17/92
Martin County Building & Zone Dept. Permit	10/21/92
Martin County Wetland Restoration Approval	2/25/93
SFWMD Proposed Changes to Construction Plans Approval	2/16/93
SFWMD Wetland Restoration Approval	3/15/93
SFWMD Approval of Aquifer Performance Test Plan	3/24/93
COE Nationwide Permit for Railroad Spur	3/25/93
FDER Approval of Intake Pump Change	4/14/93
FDER Approval of Railroad Spur	4/30/93
SFWMD Approval of Railroad Spur	4/16/93
Martin County Approval of Railroad Spur	4/19/93
FAA Lighting Variance Approval	5/10/93
SFWMD Approval of Intake Pump Change	5/21/93
SFWMD Key Permit	5/14/93
SFWMD Amendment to Groundwater Monitoring Plan (Relocation of MW4)	6/17/93
SFWMD Approval of Stormwater Management System Changes (Culverts)	6/18/93
FDER Amendment to Groundwater Monitoring Plan (Relocation of MW4)	6/93
FDOT Authorization of Temporary Access Roads (Martin County)	7/6/93

INDIANTOWN REGULATORY APPROVALS

Document	Date Issued
SFWMD Approval of Construction Activities in SFWMD Row and Plan for Use of ROW During Construction of Pumping Station	9/10/93
SFWMD Occupancy Permit to Construction Intake Structure and Pipeline to Pumphouse	9/10/93
SFWMD Limited Approval of Pipeline Construction	9/10/93
SFWMD Approval of Temporary and Permanent Access Roads for Pipeline and Intake	9/10/93
FDEP General Permit for Drinking Water Distribution System	9/27/93
FDEP Approval of Construction Laydown Areas	9/27/93
SFWMD Final Authorization of Pipeline Construction	10/5/93
FDOT Authorization of Temporary Access Road (Okeechobee County 169+07.00)	10/9/93
FDOT Authorization of Temporary Access Road (Okeechobee County 235+40.00)	10/9/93
SFWMD Approval of Construction of L63N Intake Structure (Boat)	10/15/93
FDOT Connection Permit-Intake Permanent Access Road	10/27/93
SFWMD Approval of Pond Liner Design Change	12/3/93
FDEP Approval of Pond Liner Design Change	11/23/93
SFWMD General Water Use Permit, Construction Well	12/8/92
Florida Department of Natural Resources Consent to Use Sovereignty Submerged Land Easement for Pipeline Crossing of Lettuce Creek, Henry Creek and Nubbins Slough	12/22/92

INDIANTOWN REGULATORY APPROVALS

Document	Date Issued
Florida Department of Natural Resources Consent to Use Sovereignty Submerged Land Easement for Pipeline Crossing of Lettuce Creek, Henry Creek and Nubbins Slough	12/22/92
FDEP Acceptance of Certification of Completion of Construction	6/30/94
FDEP Acceptance of Certification of Completion of Construction	7/29/94
SFWMD Waiver of Well Construction Permit	7/22/93
FDEP Sanitary System Final Acceptance	6/30/94
State Tank Registration Placard	1/20/95
Final Order Modifying Conditions of Certification	4/11/95
Indiantown Cogeneration Project PUD .Revised Preliminary Development Plan Approval, Status of Change Determination (Second PUD Amendment) and Amendment to Certificate of Public Facilities Reservation	7/7/95
Modification of PSD Permit No. PSD- FL 168	4/20/00
Title V Air Operation Permit	10/11/99
NPDES Permit	1/19/00
Hazardous Waste CESQG	7/10/96
Storage Tank Registration	12/10/98
OUC Use of Ash Approval	12/22/97

Attachment C

Facility Description and Environmental Characteristics

The ICLP, located in Martin County, Florida, is a 330-megawatt cogeneration facility fueled by pulverized coal. ICLP is situated on approximately 250 acres of land approximately 3 miles north west of the town of Indiantown. Its electricity output is produced by a single coal fired boiler and turbine/generator unit and is sold under contract to Florida Power and Light Company. The plant also supplies steam to a citrus processing plant owned by Caulkins Indiantown Citrus Company and located adjacent to the ICLP.

With its advanced environmental control technologies, ICLP is one of the cleanest pulverized coal-fueled electric power plants in the world. The plant uses selective catalytic reduction (SCR) technology for control of nitrogen oxides (NO_x), effectively reducing NO_x emissions to among the lowest levels ever permitted for a pulverized-coal plant in the United States at the time of construction (0.17 lbs/million Btu). The SCR system injects an ammonia vapor into the flue gas, splitting the nitrogen oxides onto simple elemental nitrogen and water vapor, or steam. In addition, scrubber and filtering systems remove sulfur dioxide and particulate matter. Advanced technologies also enable ICLP to achieve an efficiency rate 20-30 percent higher than many existing plants, requiring less fuel to produce the same amount of energy.

As an added environmental benefit to the region, ICLP constructed a 19-mile pipeline to transport runoff water from livestock and agricultural operations to the plant for its cooling water supply. The plant's use of this water helps to reduce the flow of damaging nutrient-rich runoff into Lake Okeechobee, thereby improving the quality of the lake. The plant also features an advanced zero-discharge water treatment system, which minimizes water use and eliminates water discharges to the environment. Stormwater discharges are directed to onsite wetlands, which ICLP is charged with protecting and maintaining.