

**Sheplak, Scott***- file -*

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**From:** Sheplak, Scott  
**Sent:** Monday, December 08, 2008 10:51 AM  
**To:** Holtom, Jonathan  
**Subject:** FW: JEA-NGS/SJRPP/ST Title V permit renewal - Table 6 (revised)

**Tracking:** Recipient      Read  
Holtom, Jonathan Read: 12/8/2008 10:57 AM

Nothing else from JEA regarding Table 6 - Part C. I recommend issuance of the Proposed with the Part C simply attached.

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**From:** Gianazza, N. Bert [mailto:GianNB@jea.com]  
**Sent:** Thursday, December 04, 2008 12:25 PM  
**To:** Sheplak, Scott  
**Subject:** RE: JEA-NGS/SJRPP/ST Title V permit renewal - Table 6 (revised)

Scott,

Per our conversation, the Title V permit contains all the existing materials handling points at NGS and SJRPP, so Table 6 C is not needed. I don't see a problem in just removing it from the permit.

Tx, B.

12/8/2008

-023 Section D. of permit.  
 SJRPP  
 -028 Section H. of permit.

-file-

SJRPP PSD PERMIT  
 PSD-FL-010(C)

pm/pm10  
 equivalent values  
 from 0.01 g/dscf?

Corresponds w/  
 VE limit in TV permit?

Table 6 - Part C

ID No.?	New Materials Handling Operations	PM/PM <sub>10</sub> (lb/hr)	Opacity (%)		
-023c	Hopper Belt, Spillage Conveyors, and DC-1 Transfer Points - <u>New</u> Ship Unloader	0.13/0.06	10	10	✓
-023c	Shiphold - <u>New</u>	0.54/0.26	10	10	✓
-023d	Unloader Hopper and Spillage Collector Transfers - <u>New</u> Ship Unloader	0.28/0.13	10	10	✓
-023k	Enclosed Pile - Vehicle Activities *	0.04/0.01	5		
-023k	Enclosed Storage Pile - 3 Transfer Points *	0.13/0.06	5		
-023e	Transfer Tower D-1	0.04/0.02	5	S	✓
-028k	Transfer Tower D-2	0.04/0.02	5		
-023g	<u>New</u> Blend Hopper *	0.12/0.06	5		
-028c	<u>New</u> Transfer Tower #1-NGS	0.09/0.04	5	S	✓
-028c	<u>New</u> Transfer Tower #2-NGS	0.09/0.04	5	S	✓
-023k	<u>New</u> Stacker *	0.66/0.31	10		
-028h	NGS Reclaimer *	0.52/0.24	10		
-023f	SJRPP Reclaimer	0.52/0.24	10	10	✓
-023k	<u>New</u> Reclaim Transfer Tower *	0.04/0.02	5		
-028c	<u>New</u> Transfer Tower #3-NGS	0.08/0.04	5	S	✓
-028i	<u>New</u> Transfer Tower #4-NGS	0.06/0.03	5	S	✓

Note: PM<sub>10</sub> limits apply only to new and modified emission points. If only one standard is listed, the standard applies to PM emissions.

Need to  
 \* Add e.u. id w/ description to T-to V permit.

Some of the new ones may not have been constructed.

SMS  
 12/10/2008

-file-

#### 4.0 PROCESS DESCRIPTION

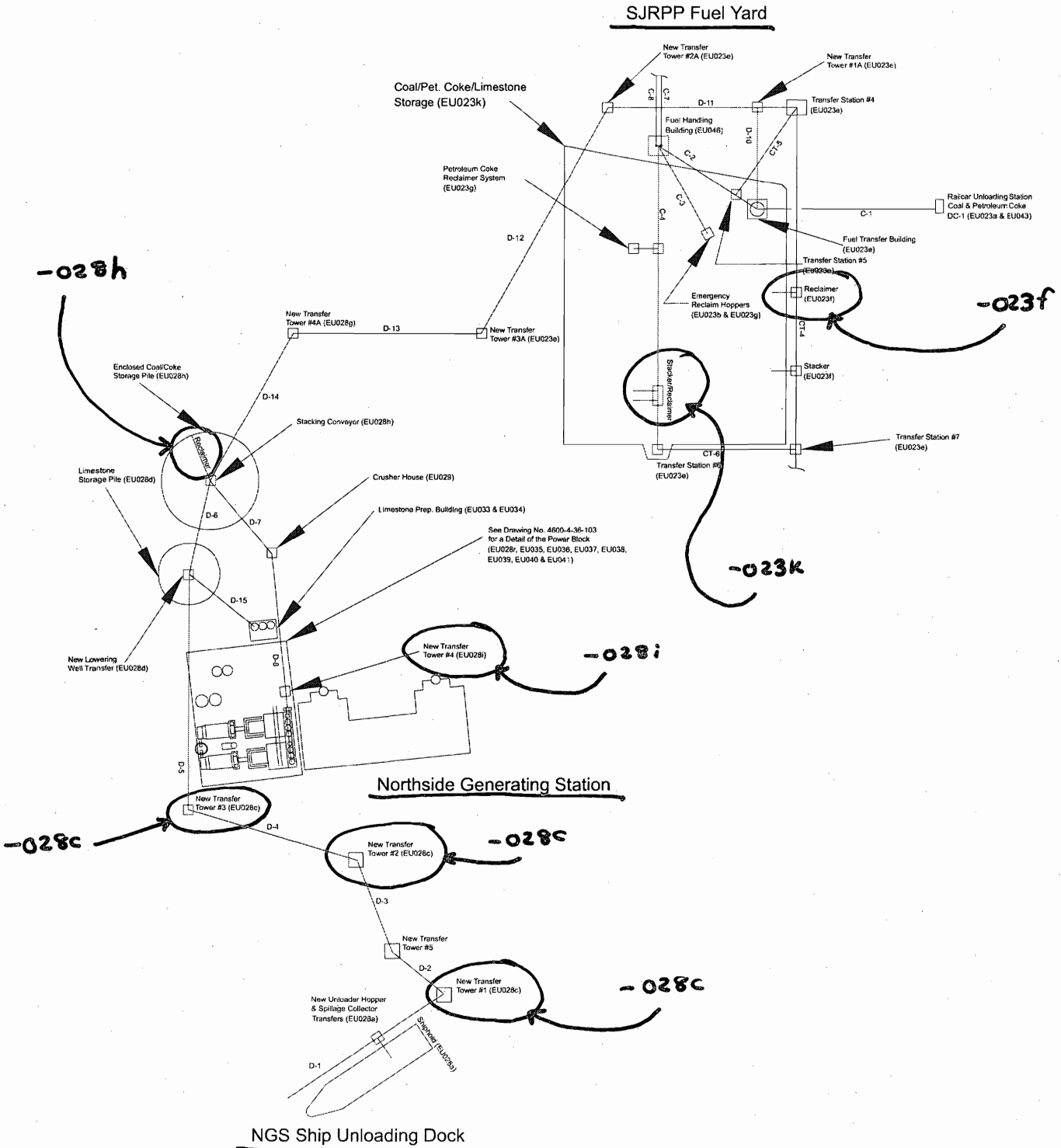
The proposed NGS Repowering Project may include use of the existing SJRPP and SJRCT materials handling and storage operations as well as the construction of new operations. The proposed changes to the SJRPP and SJRCT will involve the handling and storage of coal, petroleum coke, and limestone. Within the application, JEA has identified two scenarios, which are presented in Figures TE-2 and TE-3.

Figure TE-2 presented JEA's Base Case which involves the construction of a new ship unloading facility near the existing NGS fuel dock supported by the existing SJRPP Rotary Railcar Unloader. Figure TE-3 presents JEA's NGS Repowering Alternate 1 which involves the construction of an additional ship unloader, conveyors, and enclosed materials surge pile at the existing SJRCT already serving SJRPP. In addition, Alternate 1 would include the construction of new conveyors, transfers, a stacker, reclaimers, and a slight expansion of the storage pile at SJRPP. NGS Repowering Alternate 1 would increase the annual throughput of coal/petroleum coke at SJRPP from 5.13 million tons to 7.55 million tons per year and limestone from 0.60 million tons to 2.05 million tons per year. As with the Base Case, NGS Repowering Alternate 1 will be supported in addition by the existing SJRPP Rotary Railcar Unloader.

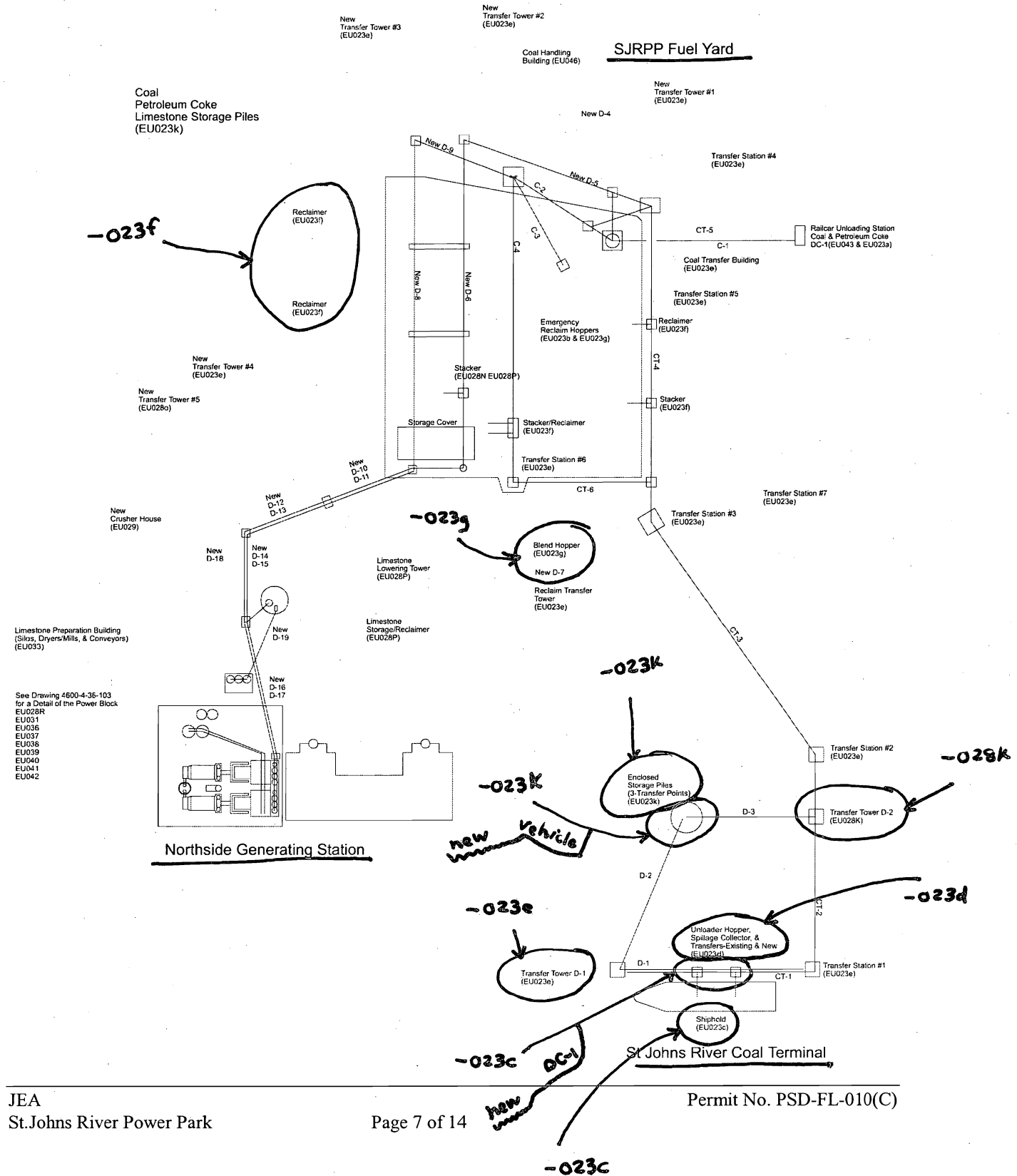
From the SJRCT, the materials would be transferred to either the existing SJRPP storage pile or the new NGS limestone storage pile by use of a conveyor system. The conveyors would transport the materials at a maximum rate of 1,500 TPH to the storage piles. From the SJRPP storage pile, coal and petroleum coke would be reclaimed and conveyed to NGS at a maximum rate of 700 TPH.

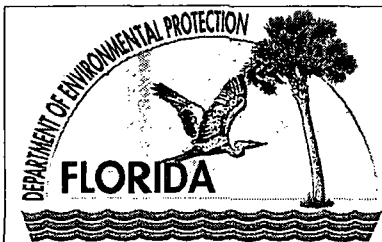
As noted, the existing SJRPP Rotary Railcar Dumper will support NGS. Under both scenarios the potential throughput of the SJRPP Rotary Railcar Dumper will be increased from 5.13 million tons (SJRPP Requirement) to 7.55 million tons per year. Under the Base Case, coal and petroleum coke can be delivered to the enclosed NGS fuel storage pile at a maximum rate of 1,500 TPH on a new conveyor system connecting SJRPP and NGS. Under NGS Repowering Alternate 1, coal and petroleum coke can be delivered to the existing SJRPP storage pile at a maximum rate of 4,000 TPH, reclaimed and conveyed to NGS at a maximum rate of 1,500 TPH on a new conveyor system.

# Figure TE-2 Materials Handling & Storage Operations, Base Case



# Figure TE-3 Materials Handling & Storage Operations, Alternate 1





# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

March 7, 2007

-Site-

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. James M. Chansler  
St. Johns River Power Park  
11201 New Berlin Road  
Jacksonville, Florida 32226

RE: **St Johns River Power Park  
Modification to Conditions of Certification  
DEP Case Number PA 81-13M  
OGC Case Number 06-2470**

## FINAL ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Mr. Chansler;

On June 29, 1982, the Siting Board certified the construction and operation of the St. Johns River Power Park. On March 2, 2006 the Department published notices of its intent to issue Air Construction permit 0310045-015-AC and Title V permit 0310045-016-AV. The Department published notice for NPDES permit FL0037869-004-1W1S on October 25, 2005. On February 6, 2007 the Department published notice of its intent to issue Air Construction Permit 0310045-017-AC. On April 7, 2006, and June 20, 2006, the Department issued Air Construction Permit 0310045-015-AC and Title V permit 0310045-016-AV. NPDES permit FL0037869-004-1W1S was issued on February 10, 2006 and Air Construction Permit 0310045-017-AC was issued on March 1, 2007 for St. Johns River Power Park. Pursuant to 403.516 (1) (b), Florida Statutes ("F.S."), the Department may modify specific Conditions of a site Certification which are inconsistent with the terms of any federally delegated or approved permit. Such modification(s) may be made without further notice if the matter has been previously noticed under the requirements for any federally delegated or approved permit program. The Conditions of Certification for the St. Johns River Power Park are hereby modified as follows:

### I. Air

The construction and operation of SJRPP Units 1 & 2 at the JEA steam electric power plant site shall be in accordance with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-256, 62-296, 62-297, 62-701 and 62-702, Florida Administrative Code, PSD Permit 265, PSD-FL-010 (0310045-

Unloader Hopper and Spillage Collector Transfers — New Ship Unloader	0.28/0.13	10
Enclosed Pile — Vehicle Activities	0.04/0.01	5
Enclosed Storage Pile — 3 Transfer Points	0.13/0.06	5
Transfer Tower D-1	0.04/0.02	5
Transfer Tower D-2	0.04/0.02	5
New Blend Hopper	0.12/0.06	5
New Transfer Tower #1 — NGS	0.09/0.04	5
New Transfer Tower #2 — NGS	0.09/0.04	5
New Stacker	0.66/0.31	10
NGS Reclaimer	0.52/0.24	10
SJRPP Reclaimer	0.52/0.24	10
New Reclaim Transfer Tower	0.04/0.02	5
New Transfer Tower #3 — NGS	0.08/0.04	5
New Transfer Tower #4 — NGS	0.06/0.03	5

*Note: PM<sub>10</sub> limits apply only to new and modified emission points. If only one standard is listed, the standard applies to the PM emissions.*

~~4. The licensee shall provide 30 days prior notice of the performance tests in order to afford the Department the opportunity to have an observer present.~~

~~5. Stack tests for particulates and visible emissions shall be performed annually in accordance with conditions C. 2, 3, and 4 above.~~

~~**D. Reporting**~~

~~1. For SJRPP, stack monitoring, fuel usage and fuel analysis data shall be reported to the Department's Northeast District Office on a quarterly basis commencing with the start of commercial operation in accordance with 40 CFR, Part 60, Section 60.7., and in accordance with Rule 62-296.405, F.A.C.~~

~~2. Beginning one month after certification, the licensee shall submit to the Department a quarterly status report briefly outlining progress made on engineering design and purchase of major pieces of air pollution control equipment. All reports and information required to be submitted under this condition shall be submitted to the Administrator, Siting, Coordination Office, Department of Environmental Protection, 2600 Blair Stone Road, Mail Station #48, Tallahassee, Florida 32399-2400.~~

~~**E. Operation Restrictions**~~

~~1. The licensee shall not operate its Southside, Northside, or Kennedy Generation Station in such a manner as to cause violation of ambient air quality standards for SO<sub>2</sub> when SJRPP is operating.~~