



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
WATER

February 27, 2003

MEMORANDUM

SUBJECT: Implementation of Section 316(b) in NPDES Permits

FROM: James A. Hanlon, Director /s/
Office of Wastewater Management

Geoffrey H. Grubbs, Director, /s/
Office of Science and Technology

TO: Water Division Directors, Regions I-X
State NPDES Directors

The importance of addressing the environmental harm caused by impingement and entrainment of fish from cooling water intake structures is important and challenging. We wanted to update you on the status of regulations for cooling water intake structures under section 316(b) of the Clean Water Act; and because this is an evolving area, discuss with you some of the activities we are considering to help implement these regulations for new and existing facilities.

Based on preliminary estimates from a questionnaire sent to more than 1,200 existing power plants and factories, the Environmental Protection Agency (EPA) estimates that industrial facilities in the United States withdraw more than 279 billion gallons of cooling water a day from waters of the U.S. The withdrawal of such large quantities of cooling water affects large quantities of aquatic organisms annually. EPA recognizes that there are multiple types of impact associated with a Cooling Water Intake Structure (CWIS), which range from the individual to the ecosystem level. For the purposes of the section 316(b) regulations, EPA has chosen to focus on individual impacts, primarily impingement and entrainment. Impingement takes place when organisms are trapped against intake screens by the force of the water passing through the cooling water intake structure. Entrainment occurs when organisms are drawn through the cooling water intake structure into the cooling system.

In addition to impingement and entrainment losses associated with the operation of individual cooling water intake structures, there is the potential for cumulative, overall degradation of the aquatic environment as a consequence of: (1) multiple intake structures operating in the same watershed or in the same or nearby reaches, and (2) intakes located within or adjacent to an impaired waterbody.

NEW FACILITY ACTIVITIES

A. Status of the Section 316(b) Rulemakings:

Phase I Regulations for New Facilities

On December 18, 2001, EPA published final regulations for cooling water intake structures at new facilities. (See 66 *Fed. Reg.* 65256, also 40 CFR 122.21(r), 123.25, 124.10 and 125.80-89.) These regulations establish application, monitoring, reporting, record-keeping and technology-based performance requirements for many new industrial facilities required to have a National Pollutant Discharge Elimination System (NPDES) permit, including those with only a stormwater discharge.

On December 26, 2002, EPA published a direct final rule and a companion proposed rule in the Federal Register that would make three technical corrections to the new facility rule. These minor changes will clarify the Agency's intent regarding: 1) velocity monitoring for certain facilities; 2) the role of fisheries agencies in determining whether to require additional technologies in certain circumstances; and 3) procedures for seeking less stringent, alternative requirements. Because EPA received adverse comment on the direct final rule, EPA will withdraw the final rule and anticipates taking final action on the proposed rule in April 2003.

B. Implementation Activities for the New Facility Rule:

As noted above, final Phase I regulations are now in effect. Owners and operators of new facilities (as defined at 40 CFR 125.83) that meet applicability criteria at 40 CFR 125.81 must submit the information specified at 40 CFR 122.21(r) and 40 CFR 125.86 with their applications for an NPDES permit. Owners and operators of these facilities must comply with the technology-based performance standards at 125.84 or 125.85, and the monitoring, reporting, and record-keeping requirements at 40 CFR 125.87-88. 40 CFR 125.89 requires Permits Directors to review the application materials submitted by each facility, determine appropriate standards for the facility, and include appropriate requirements and conditions in the NPDES permit.

While the preamble to the final Phase I provides some guidance on implementing these regulations, many permit writers may be unfamiliar with the biological and engineering issues associated with developing permit conditions for cooling water intake structures. To assist permit writers, EPA Headquarters intends to develop implementation guidance for these

regulations in the near future. We would like your input on what issues to address in the guidance so it is as helpful as possible.

Due to the complexity of the 316(b) regulations, in particular, the new facility rule, we are interested in forming a “316(b) advisory group” consisting of Headquarters, Regional and State technical experts to assist permit writers with implementation issues that arise under the new facility rule. Because these permits may be precedent setting, it is important that the initial permits and supporting documentation that are issued under the new facility rule be examples of how others should be developed.

If you are interested in participating in this Steering committee and/or have comments on the issues which should be addressed in phase I guidance, please let Ruby Cooper of the Water Permits Division know by March 14, 2003; you may email her at cooper.ruby@epa.gov.

EXISTING FACILITIES ACTIVITIES

Status of Phase II and Phase III Regulations

A. Phase II Regulations for Large Existing Power Plants:

On April 9, 2002, EPA published proposed regulations for cooling water intake structures at approximately 550 existing power plants that have a total design intake flow of 50 million gallons per day (MGD) or greater (67 *Fed. Reg.* 17122). EPA staff are currently reviewing comments on the proposed rule and developing a draft Notice of Data Availability (NODA) which we hope to publish in the Federal Register early this spring for public comment.

B. New Schedule for Developing Phase II and Phase III Regulations

On November 22, 2002, EPA and plaintiffs in Riverkeeper, Inc. v. Whitman submitted a proposed Second Amended Consent Decree to the U.S. District Court, Southern District of New York, which the court signed on November 25, 2002. The Second Amended Consent Decree extends the deadlines for EPA to propose and take final action on Phase II and Phase III Section 316(b) regulations. EPA must now take final action on the Phase II regulations by no later than February 16, 2004 (a 6-month extension in the Phase II schedule). EPA must also propose Phase III regulations for smaller existing power plants and existing manufacturers by no later than November 1, 2004 (16-month extension) and take final action on Phase III regulations by no later than June 1, 2006 (17-month extension).

C. December 2000 Guidance on Implementing Section 316(b) Requirements:

On December 28, 2000, the Office of Wastewater Management issued a memorandum to EPA Regional Water Division Directors and State NPDES Directors on implementing Section 316(b). This memorandum identified as a priority the issuance of NPDES permits to existing major point sources subject to the requirements of section 316(b). Regions were asked to ensure

that States are using their best professional judgement on a case-by-case basis to properly implement the requirements of section 316(b). They were also asked to ensure that permit fact sheets for EPA or State-issued major permits document a Region's or State's determination that the location, design, construction, and capacity of a facility's cooling water intake structure(s) reflect the best technology available for minimizing adverse environmental impact. To assist your permit writers in making determinations for existing facilities with cooling water intake structures, the memorandum provided copies of: (1) EPA's Draft Guidance for Evaluating the Adverse Impact of Cooling Water Intake Structures on the Aquatic Environment: Section 316(b) P.L. 92-500 (May 1, 1977); and (2) two background papers (from 1994 and 1996) that provided information on technologies available to minimize adverse environmental impact from cooling water intake structures. These documents were provided for guidance purposes only. The memorandum noted that fact sheets from recent 316(b) State and Regional permits are another source of potentially relevant information. In addition, the data that EPA collected and placed in the Water Docket as part of the Phase II facility rulemaking efforts may also be useful at this time.

D. Implementing Section 316(b) Statutory Requirements for Existing Facilities:

From May 2002 and December 2002 conference calls of the EPA Permit Branch Chiefs, we understand that some permitting authorities are reluctant to address section 316(b) requirements in major permits issued to existing facilities due to the potential for conflicts with the forthcoming regulations for existing facilities. While noting this concern, you are encouraged to follow the recommendations for permit oversight and reissuance in the December 2000 implementation guidance. To assist you in permit reissuance and oversight, attached is an initial list of existing facilities that have a cooling water intake structure. The list contains the names of facilities organized by the EPA Region and State where the facility is located. It also provides, in most cases, the NPDES permit number and permit expiration date for the facility.

The Water Permits Division will begin conducting Permit Quality Reviews (PQRs) again and will be looking at how permit writers are evaluating technologies to address adverse environmental impact from cooling water intake structures. Also, we are interested in using the Steering committee of EPA Headquarters, Regional and State experts to review some of the more complex and potentially controversial permits that will be issued after Phase II and Phase III of the 316(b) regulations. Also, if you have initial insights on the type of guidance which should be provided for Phase II and Phase III of the 316(b) rules, we would like to get your feedback.

Thank you in advance for your attention to the areas discussed in this memo. Please let us know your recommendations from your Regional or State personnel of who could serve on an "experts panel" to assist other Regions or States in providing advise on permits under development.

If you have any questions, please call Linda Boornazian, Director of the Water Permits Division at (202)564-0221 or Mary Smith, Director of the Engineering and Analysis Division at

202-566-1056, or you may have your staff contact Deborah Nagle, Chief of the Water Permit Division's Industrial Branch at (202)564-9537 or Tom Wall, Director of the Engineering Analysis Division's Cooling Water Intake Task Force, at (202)566-1060.

Attachment

cc: Regional Permits Branch Chiefs (w/ attachment)
Linda Boornazian, OWM (w/o attachment)
Mary Smith, OST (w/o attachment)
Leslie Darman, OGC (w/o attachment)
Robbie Savage, ASIWPCA (w/attachment)

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
1	CT	BRIDGEPORT HARBOR	BRIDGEPORT ENERGY LLC	CT0030180	1/12/2004	
1	CT	DEVON	NRG DEVON OPERATIONS, INC	CT0003107	9/29/2005	
1	CT	MIDDLETOWN	NRG MIDDLETOWN OPERATIONS, INC	CT0003883	3/19/2006	
1	CT	MILLSTONE	MILLSTONE NUCLEAR POWER STA	CT0003263	12/14/1997	
1	CT	MONTVILLE	NRG MONTVILLE OPERATIONS INC	CT0003115	2/28/2006	
1	CT	NEW HAVEN HARBOR	WISVEST CONNECTICUT LLC	CT0003760	1/4/2004	
1	CT	NORWALK HARBOR	NRG NORWALK HARBOR OPERATIONS	CT0003093	8/8/2006	
1	CT	SOUTH MEADOW STATION		CT0003875	2002	
1	MA	c/o U.S. GEN NEW ENGLAND	US GEN N.E., INC. BRAYTON PT.	MA0003654	7/16/1998	
1	MA	KENDALL SQUARE	MIRANT KENDALL LLC	MA0004898	8/17/1993	
1	MA	MOUNT TOM	MT TOM STATION	MA0005339	9/18/1997	
1	MA	NEW BOSTON	SITHE NEW BOSTON LLC	MA0004731	1/15/1999	
1	MA	PILGRIM NUCLEAR	ENGC - PILGRIM NUCLEAR POWER	MA0003557	4/29/1996	
1	MA	SALEM HARBOR	US GEN NE, INC. SALEM H. STA.	MA0005096	10/30/1999	
1	MA	SAUGUS RESCO		MA0028193	1996	
1	MA	SITHE ENERGY-MYSTIC LLC	SITHE MYSTIC LLC	MA0004740	10/17/2006	
1	MA	SOMERSET	SOMERSET POWER LLC	MA0001856	10/30/1998	
1	MA	SOUTHERN ENERGY-CANAL LLC	MIRANT CANAL LLC	MA0004928	6/23/1994	
1	ME	MAINE ENERGY RECOVERY COMPANY		ME0023141	2001	
1	ME	MASON STEAM	FPL ENERGY MASON STATION	ME0000256	7/31/2002	
1	ME	WILLIAM F WYMAN	FPL ENERGY WYMAN STATION	ME0000272	3/31/2001	
1	NH	MERRIMACK	P.S. OF NH-MERRIMACK STATION	NH0001465	7/25/1997	
1	NH	NEWINGTON	P S N H - NEWINGTON STATION	NH0001601	10/30/1998	
1	NH	SCHILLER	P.S. OF NH-SCHILLER STATION	NH0001473	10/11/1995	
1	NH	SEABROOK NUCLEAR	NORTH ATLANTIC ENERGY SERVICE	NH0020338	4/1/2007	
1	RI	c/o U.S. GEN NEW ENGLAND	NARRAGANSETT ELECTRIC COMPANY-	RI0000434	10/19/1996	Manchester Street
1	VT	VERMONT YANKEE NUCLE	ENTERGY NUCLEAR VERMONT YANKEE	VT0000264	3/31/2006	
2	NJ	B L ENGLAND	B L ENGLAND GENERATING STATION	NJ0005444	12/31/1999	
2	NJ	BURLINGTON	BURLINGTON GENERATING STATION	NJ0005002	7/31/1998	
2	NJ	DEEPWATER		NJ0005363	2007	
2	NJ	HOPE CREEK NUCLEAR	PSE&G HOPE CREEK GENERATING ST	NJ0025411	3/31/2002	
2	NJ	HUDSON	HUDSON GENERATING STATION	NJ0000647	1/31/1995	
2	NJ	KEARNY	KEARNY GENERATING STATION	NJ0000655	6/30/2006	
2	NJ	LINDEN	LINDEN GENERATING STATION	NJ0000663	9/30/2003	
2	NJ	MERCER	MERCER GENERATING STATION	NJ0004995	3/31/1990	
2	NJ	OYSTER CREEK NUCLEAR	OYSTER CREEK NUCLEAR GEN STA	NJ0005550	11/30/1999	
2	NJ	SALEM NUCLEAR	PSE&G GENERATING STA (SALEM)	NJ0005622	7/31/2006	
2	NJ	SAYREVILLE		NJ0002747	2003	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
2	NJ	SEWAREN	SEWAREN GENERATING STATION	NJ0000680	10/31/2002	
2	NY	AES Hickling	AES HICKLING, LLC	NY0003859	5/1/2007	
2	NY	AES Somerset	AES SOMERSET, LLC	NY0104213	5/1/2006	
2	NY	ALBANY	ALBANY STEAM STATION	NY0005959	2/1/2005	
2	NY	ASTORIA	ASTORIA GENERATING STATION	NY0005118	11/1/2006	
2	NY	BROOKLYN NAVY YARD COGENERATION PARTNERS, L.P.		NY0251577	2003	
2	NY	C R HUNTLEY	HUNTLEY STEAM GENERATING STA	NY0001023	6/1/2003	
2	NY	c/o SOUTHERN ENERGY NEW YORK	BOWLINE POINT GENERATING STA	NY0008010	10/1/1992	
2	NY	CH RESOURCES - BEAVER FALLS		NY0236101	2003	
2	NY	CHARLES POLETTI	CHARLES POLETTI POWER PROJECT	NY0007340	2/1/2008	
2	NY	DANSKAMMER	DANSKAMMER GENERATING STATION	NY0006262	10/1/1992	
2	NY	DUNKIRK	DUNKIRK POWER	NY0002321	5/1/2005	
2	NY	E F BARRETT	KEYSPAN - E F BARRETT POWER	NY0005908	12/1/2004	
2	NY	EAST RIVER	EAST RIVER GENERATING STATION	NY0005126	11/1/2006	
2	NY	FAR ROCKAWAY	FAR ROCKAWAY POWER STATION	NY0005924	9/30/1990	
2	NY	GINNA	GINNA NUCLEAR POWER PLT-STA 13	NY0000493	2/1/2008	
2	NY	GLENWOOD	KEYSPAN - GLENWOOD POWER STA	NY0005916	1/1/2005	
2	NY	INDIAN POINT 3 NUCLE				Not in PCS.
2	NY	INDIAN POINT NUCLEAR	INDIAN POINT STATION #1 & #2	NY0004472	10/1/1992	
2	NY	JAMES A FITZPATRICK	ENTERGY NUCLEAR FITZPATRICK	NY0020109	8/1/2006	
2	NY	LOVETT	LOVETT GENERATING STATION	NY0005711	10/1/1996	
2	NY	NEW YORK STATE ELEC & GAS CORP	AES CAYUGA, LLC	NY0001333	11/1/2004	
2	NY	NEW YORK STATE ELEC & GAS CORP	AES WESTOVER	NY0003875	11/1/2005	
2	NY	NINE MILE POINT NUCL	NINE MILE POINT NUCLEAR STA	NY0001015	12/1/2004	
2	NY	NORTHPORT	KEYSPAN-NORTHPORT PWR STA	NY0005941	4/1/2005	
2	NY	OSWEGO	OSWEGO HARBOR POWER	NY0002186	6/1/2005	
2	NY	RAVENSWOOD	RAVENSWOOD GENERATING STATION	NY0005193	11/1/2006	
2	NY	ROCHESTER 7		NY0000612	2004	aka Russell
2	NY	ROSETON	ROSETON GENERATING STATION	NY0008231	10/1/1992	
2	NY	WESTCHESTER RESCO CO., L.P.		NY0109690	2005	
3	DC	POTOMAC RIVER	POTOMAC ELECTRIC POWER CO	DC0022004	4/20/2005	
3	DE	EDGE MOOR	CONECTIV DELMARVA GENERATION	DE0000558	10/31/2003	
3	DE	INDIAN RIVER	DELMARVA P & L INDIAN RIVER PO	DE0050580	9/24/1992	
3	MD	BALTIMORE RESCO		MD0060640	2001	
3	MD	C P CRANE	CONSTELLATION POWER	MD0001511	1/31/2007	
3	MD	CALVERT CLIFFS NUCLE	CALVERT CLIFFS NUC. PWR PLT.	MD0002399	12/30/2004	
3	MD	CHALK POINT	MIRANT CHALK POINT LLC.	MD0002658	1/31/2007	
3	MD	DICKERSON	MIRANT DICKERSON	MD0002640	1/31/2007	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
3	MD	GOULD STREET	CONSTELLATION POWER-GOULD	MD0001490	12/30/2004	
3	MD	HERBERT A WAGNER		MD0001503	2006	
3	MD	MORGANTOWN	MIRANT	MD0002674	12/30/2005	
3	MD	R P SMITH	R. PAUL SMITH POWER STATION	MD0000582	1/31/2007	
3	MD	RIVERSIDE	CONSTELLATION POWER-RIVERSIDE	MD0001481	12/30/2004	
3	MD	SPARROWS POINT DIV BETHLEHEM STEEL CORP		MD0001201	1997	aka MD0001180
3	PA	ARMSTRONG	ALLEGHENY ENERGY SUPPLY CO LLC	PA0002917	12/14/2006	
3	PA	BEAVER VALLEY NUCLEA	AES HOYTDAL E LLC	PA0218936	5/24/2007	
3	PA	BRUCE MANSFIELD	PA POWER CO - BRUCE MANSFIELD	PA0027481	4/26/2005	
3	PA	BRUNNER ISLAND	PPL BRUNNER ISLAND LLC	PA0008281	3/1/2007	
3	PA	CHESWICK	ORION POWER MIDWEST L.P.	PA0001627	9/29/2000	
3	PA	CROMBY	PECO ENERGY CO-CROMBY GENERATI	PA0011631	9/22/2000	
3	PA	DELAWARE	EXELON GENERATION CO-DELAWARE	PA0011622	9/26/2002	
3	PA	EDDYSTONE	EXELON GENERATION CO-EDDYSTONE	PA0013714	11/6/2006	
3	PA	ELRAMA	ORION POWER MIDWEST L.P	PA0001571	9/20/2001	
3	PA	GRAYS FERRY COGENERATION PARTNERSHIP	EXELON GENERATION CO-SCHUYLKIL	PA0011657	10/7/2004	Co-located with Schuylkill?
3	PA	HUNLOCK PWR STATION		PAR702204	1997	
3	PA	LIMERICK NUCLEAR	PECO ENERGY COMPANY	PA0051926	92705	
3	PA	MARTINS CREEK	PPL - MARTINS CREEK	PA0012823	8/5/2006	
3	PA	MITCHELL	ALLEGHENY ENERGY SUPPLY CO LLC	PA0002895	9/30/1996	
3	PA	MONTOUR	PPL MONTOUR LLC	PA0008443	9/30/2007	
3	PA	NEW CASTLE	ORION POWER MIDWEST, L.P.	PA0005061	11/28/2004	
3	PA	PEACH BOTTOM NUCLEAR	PECO ENERGY CO - PEACH BOTTO	PA0009733	12/1/2005	
3	PA	PORTLAND		PA0012475	2002	
3	PA	SCHUYLKILL		PA0011657	10/7/2004	Co-located with Grays Ferry?
3	PA	SEWARD	RELIANT ENERGY	PA0002054	6/27/2006	
3	PA	SHAWVILLE	RELIANT ENERGY MID-ATLANTIC PO	PA0010031	11/30/2005	
3	PA	SUNBURY	SUNBURY GENERATION LLC	PA0008451	10/31/2006	
3	PA	SUSQUEHANNA NUCLEAR	PPL SUSQUEHANNA LLC	PA0047325	7/6/2005	
3	PA	TITUS	RELIANT ENERGY MID-ATLANTIC	PA0010782	3/1/2006	
3	PA	WARREN	RELIANT ENERGY MID-ATLANTIC PO	PA0005053	6/5/2006	
3	VA	BREMO POWER STATION	Dominion - Bremo Power Station	VA0004138	8/6/2005	
3	VA	CHESAPEAKE	Virginia Electric and Power Co	VA0004081	12/5/2005	
3	VA	CHESTERFIELD	VIRGINIA POWER, CHESTERFIELD P	VA0004146	3/27/2002	
3	VA	GLEN LYN	APCO - Glen Lyn	VA0000370	7/10/2004	
3	VA	NORTH ANNA NUCLEAR	Virginia Power - North Anna	VA0052451	1/11/2006	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
3	VA	POSSUM POINT	VIRGINIA POWER, POSSUM POINT	VA0002071	9/13/2006	
3	VA	SURRY NUCLEAR	Dominion Virginia Power - Surr	VA0004090	11/2/2006	
3	VA	YORKTOWN	VIRGINIA POWER, YORKTOWN POWER	VA0004103	3/2/2006	
3	WV	ALBRIGHT	MONONGAHELA POWER CO	WV0004723	6/28/2006	
3	WV	HARRISON	MONONGAHELA POWER CO	WV0005339	3/8/2005	
3	WV	JOHN E AMOS	APPALACHIAN POWER CO	WV0001074	6/28/2006	
3	WV	KAMMER	OHIO POWER CO	WV0005291	3/25/2005	
3	WV	KANAWHA RIVER	APPALACHIAN POWER CO	WV0001066	2/27/2006	
3	WV	MORGANTOWN ENERGY ASSOCIATES	MORGANTOWN ENERGY ASSOCIATES	WV0078425	9/24/2000	
3	WV	MT STORM		WV0005525	2006	
3	WV	PHILIP SPORN	APPALACHIAN POWER CO	WV0001058	5/23/2006	
3	WV	PLEASANTS	MONONGAHELA POWER CO	WV0023248	10/14/2007	
3	WV	RIVESVILLE	MONONGAHELA POWER CO	WV0004715	7/7/2001	
3	WV	WILLOW ISLAND	MONONGAHELA POWER CO	WV0000761	10/14/2007	
4	AL	BARRY	AL POWER CO BARRY STEAM PLT	AL0002879	7/31/2004	
4	AL	BROWNS FERRY NUCLEAR	TVA BROWNS FERRY NUCLEAR PLANT	AL0022080	1/31/2006	
4	AL	CHARLES R LOWMAN	AL ELECTRIC COOP LOWMAN PLANT	AL0003671	9/30/2004	
4	AL	COLBERT		AL0003867	2004	
4	AL	E C GASTON	AL POWER CO E C GASTON STM PL	AL0003140	11/30/2006	
4	AL	GADSDEN	AL POWER CO GADSDEN STEAM PLT	AL0002887	9/30/2002	
4	AL	GORGAS	AL POWER CO GORGAS STEAM PLT	AL0002909	9/30/2006	
4	AL	GREENE COUNTY	AL POWER CO GREENE CO STEAM	AL0002917	9/30/2006	
4	AL	JOSEPH M FARLEY NUCL	SOUTHERN NUCLEAR OPERATNG CO	AL0024619	2/28/2006	
4	AL	MCWILLIAMS	AL ELECT COOP MCWILLIAMS PLT	AL0002844	9/30/2004	
4	AL	WIDOWS CREEK	TVA WIDOWS CREEK FOSSIL PLANT	AL0003875	10/31/2004	
4	FL	ANCLOTE	FL PWR CORP-ANCLOTE STEAM	FL0002992	9/23/2004	
4	FL	BIG BEND	TAMPA ELEC-BIG BEND STEAM	FL0000817	8/25/2002	
4	FL	C D MCINTOSH JR	LAKELAND-MCINTOSH STEAM	FL0026301	3/22/2005	
4	FL	CAPE CANAVERAL	FL PWR & LT-CAPE CANAVRL STEAM	FL0001473	2/23/2004	
4	FL	CRIST	GULF PWR CO-CRIST STEAM	FL0002275	8/8/2004	
4	FL	CRYSTAL RIVER	FL PWR CORP-CRYSTAL RIVER N&S	FL0000159	1/10/2004	
4	FL	CUTLER	FL PWR & LT-CUTLER STEAM	FL0001481	5/31/2005	
4	FL	F J GANNON	TAMPA ELEC-GANNON STEAM	FL0000809	1/25/2006	
4	FL	FORT MYERS	FL PWR & LT-FT MYERS STEAM	FL0001490	4/9/2003	
4	FL	HENRY D KING	FT PIERCE - KING	FL0027081	3/15/2004	
4	FL	HOOKERS POINT	TAMPA ELEC-HOOKERS POINT STEAM	FL0000825	8/17/2005	
4	FL	INDIAN RIVER	ORLANDO UTL COM-INDIAN RV STM	FL0000680	1/22/2003	
4	FL	LARSEN MEMORIAL	LARSEN MEMORIAL POWER PLANT	FL0026298	3/22/2005	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
4	FL	LAUDERDALE	FL PWR & LT-LAUDERDALE STEAM	FL0001503	1/15/2003	
4	FL	MANATEE	FL PWR & LT-MANATEE STEAM	FL0032174	7/20/2005	
4	FL	MARTIN	FL PWR & LT-MARTIN CNTY STEAM	FL0030988	7/6/2005	
4	FL	NORTHSIDE	JEA NORTHSIDE UNITS 1 2 3	FL0001031	2/17/2005	
4	FL	P L BARTOW	FL PWR CORP-BARTOW STEAM	FL0000132	5/28/2003	
4	FL	POLK	TAMPA ELEC-POLK POWER STATION	FL0043869	6/18/2006	
4	FL	PORT EVERGLADES	FL PWR & LT-PT EVERGLADE STEAM	FL0001538	11/12/2002	
4	FL	RIVIERA	FL PWR & LT-RIVIERA STEAM	FL0001546	2/15/2003	
4	FL	SAM O. PURDOM GENERATING STATION	SAM O. PURDOM GEN STATION	FL0025526	2/8/2004	
4	FL	SANFORD	FL PWR & LT-SANFORD STEAM	FL0001554	11/6/2006	
4	FL	SCHOLZ	GULF PWR CO-SCHOLZ STEAM	FL0002283	4/12/2004	
4	FL	SMITH	GULF PWR CO-SMITH STEAM	FL0002267	4/16/2003	
4	FL	SOUTHSIDE				Not in PCS.
4	FL	ST JOHNS RIVER POWER	JEA - SAINT JOHNS RIVER POWER	FL0037869	8/31/2005	
4	FL	ST LUCIE NUCLEAR	FL PWR & LT-ST LUCIE NUCLEAR	FL0002208	1/9/2005	
4	FL	SUWANNEE RIVER	FL PWR CORP-SUWANNEE RIV STEAM	FL0000183	7/13/2005	
4	FL	VERO BEACH	VERO BEACH STEAM	FL0002984	6/18/2003	
4	GA	ARKWRIGHT	GEORGIA POWER (ARKWRIGHT)	GA0026069	7/31/2007	
4	GA	ATKINSON	GA POWER CO (MCDON./ATKI	GA0001431	7/31/2002	Co-located with Jack McDonough?
4	GA	BOWEN	GEORGIA POWER (BOWEN)	GA0001449	7/31/2007	
4	GA	CRISP	CRISP COUNTY POWER COMMISSION	GA0025399	9/30/2005	
4	GA	EDWIN I HATCH	SOUTHERN NUCLEAR OPERATING CO.	GA0004120	7/31/2007	
4	GA	HAMMOND	GEORGIA POWER (HAMMOND)	GA0001457	7/31/2007	
4	GA	HARLLEE BRANCH	GEORGIA POWER (BRANCH)	GA0026051	12/13/2005	
4	GA	JACK MCDONOUGH		GA0001431	7/31/2002	Co-located with Atkinson?
4	GA	KRAFT	SAVANNAH ELECTRIC (KRAF)	GA0003816	5/31/2004	
4	GA	MCINTOSH	SAVANNAH ELEC-EFFINGHAM STEAM	GA0003883	5/31/2004	
4	GA	MCMANUS	GA POWER CO (MCMANUS)	GA0003794	7/31/2007	
4	GA	MITCHELL	GEORGIA POWER (MITCHELL)	GA0001465	9/30/2002	
4	GA	RIVERSIDE	SAVANNAH ELEC-RIVERSIDE STEAM	GA0003751	5/31/2004	
4	GA	SCHERER	GA POWER-PLANT SCHERER	GA0035564	11/30/2006	
4	GA	VOGTLE NUCLEAR	SOUTHERN NUCLEAR OPERATING CO.	GA0026786	5/31/2004	
4	GA	WANSLEY	GA POWER CO (WANSLEY)	GA0026778	9/30/2002	
4	GA	YATES	GEORGIA POWER (YATES)	GA0001473	8/31/2002	
4	KY	CANE RUN	LOUISVILLE G & E CANE RUN STA	KY0002062	10/31/2007	
4	KY	COLEMAN	WESTERN KY ENERGY CORP COLEMAN	KY0001937	2/28/2005	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
4	KY	COOPER	EAST KY POWER COOP COOPER STAT	KY0003611	10/31/2004	
4	KY	DALE	EAST KY POWER COOP DALE STEAM	KY0002194	11/30/2006	
4	KY	E W BROWN	KY UTIL E W BROWN GEN STA	KY0002020	1/31/2007	
4	KY	ELMER SMITH	OWENSBORO MUN UTIL SMITH STAT	KY0001295	3/31/2005	
4	KY	GHENT	KY UTIL GHENT GENERATING	KY0002038	6/30/2007	
4	KY	GREEN RIVER	KY UTIL GREEN RV GEN STA	KY0002011	10/31/2004	
4	KY	HMP&L STATION 2		KY0001929	5/31/2002	Co-located with R D Green?
4	KY	MILL CREEK	LOUISVILLE G & E MILL CRK STA	KY0003221	10/31/2007	
4	KY	PARADISE	TVA PARADISE FOSSIL PLANT	KY0004201	8/31/2002	
4	KY	R D GREEN STATION	WESTERN KY ENERGY CORP REID GR	KY0001929	5/31/2002	Co-located with HMP&L?
4	KY	SHAWNEE	TVA SHAWNEE FOSSIL PLANT	KY0004219	9/30/2002	
4	KY	TYRONE	KY UTIL TYRONE GEN STA	KY0001899	1/31/2007	
4	MS	BAXTER WILSON	ENTERGY MS BAXTER WILSON	MS0000167	7/20/2003	
4	MS	EATON	MISS POWER COMPANY	MS0002917	1/5/2003	
4	MS	GERALD ANDRUS	ENTERGY MISSISSIPPI	MS0001261	9/1/2002	
4	MS	JACK WATSON	MISSISSIPPI POWER COMPANY	MS0002925	5/9/2002	
4	MS	REX BROWN	ENTERGY - REX BROWN STATION	MS0002381	2/11/1996	
4	NC	ASHEVILLE	CP&L ASHEVILLE S.E. (PWR PLT)	NC0000396	12/31/2005	
4	NC	BELEWS CREEK	DUKE POWER/BELEWS CREEK STEAM	NC0024406	2/28/2007	
4	NC	BRUNSWICK NUCLEAR	CP&L BRUNSWICK S.E. (PWR PLT)	NC0007064	11/30/2001	
4	NC	BUCK	DUKE POWER - BUCK STEAM STA.	NC0004774	6/30/2004	
4	NC	CAPE FEAR	CP&L CAPE FEAR S.E. (PWR PLT)	NC0003433	7/31/2001	
4	NC	CLIFFSIDE	DUKE POWER - CLIFFSIDE STEAM	NC0005088	7/31/2003	
4	NC	DAN RIVER	DUKE POWER CO., DAN RIVER	NC0003468	4/30/2007	
4	NC	G G ALLEN	DUKE POWER CO., ALLEN S.E.	NC0004979	5/31/2005	
4	NC	HARRIS NUCLEAR	CP&L SHEARON HARRIS NUCLEAR	NC0039586	7/31/2006	
4	NC	L V SUTTON	CP&L SUTTON S.E. (PWR PLT)	NC0001422	12/31/2001	
4	NC	LEE	CP&L - LEE STEAM ELECTRIC PLT	NC0003417	2/28/2003	
4	NC	MARSHALL	DUKE POWER CO., MARSHALL S.E.	NC0004987	4/30/2005	
4	NC	MCGUIRE NUCLEAR	DUKE POWER - MCGUIRE NUCLEAR	NC0024392	2/28/2005	
4	NC	RIVERBEND	DUKE POWER CO., RIVERBEND S.E.	NC0004961	2/28/2005	
4	NC	ROXBORO	CP&L ROXBORO S.E. (PWR PLT)	NC0003425	4/30/2002	
4	SC	CANADYS STEAM	SCE&G/CANADYS STATION	SC0002020	10/31/2003	
4	SC	CATAWBA NUCLEAR	DUKE ENERGY/CATAWBA NUCLEAR	SC0004278	6/30/2005	
4	SC	COPE	SCE&G/COPE POWER PLANT	SC0045772	5/31/2004	
4	SC	DOLPHUS M GRAINGER	SCPSA/GRAINGER GENERATING STAT	SC0001104	9/30/2006	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
4	SC	H B ROBINSON	CAROLINA POWER/H B ROBINSON	SC0002925	9/30/2001	
4	SC	JEFFERIES	SCPSA/JEFFERIES GEN STATION	SC0001091	3/31/2000	
4	SC	OCONEE NUCLEAR	DUKE ENERGY/OCONEE NUCLEAR	SC0000515	9/30/2003	
4	SC	SUMMER NUCLEAR	SCE&G/V C SUMMER NUCLEAR STAT	SC0030856	9/30/2002	
4	SC	URQUHART	SCE&G/URQUHART STEAM STATION	SC0000574	9/30/2003	
4	SC	USDOU SRS (D-AREA)	SCE&G/D-AREA POWER HOUSE	SC0047431	7/31/2007	
4	SC	W S LEE	DUKE ENERGY/LEE STEAM STATION	SC0002291	2/28/2006	
4	SC	WATEREE	SCE&G/WATEREE STATION	SC0002038	5/31/2005	
4	SC	WILLIAMS	SCGENCO/A M WILLIAMS STATION	SC0003883	7/31/2000	
4	TN	ALLEN	TVA-ALLEN STEAM	TN0005355	4/28/2005	
4	TN	BULL RUN	TVA-BULL RUN STEAM	TN0005410	11/29/2003	
4	TN	CUMBERLAND	TVA CUMBERLAND STEAM	TN0005789	11/30/2005	
4	TN	GALLATIN	TVA-GALLATIN STEAM	TN0005428	11/30/2004	
4	TN	JOHN SEVIER	TVA-SEVIER STEAM	TN0005436	4/28/2004	
4	TN	JOHNSONVILLE	TVA-JOHNSONVILLE STEAM	TN0005444	11/30/2003	
4	TN	KINGSTON	TVA-KINGSTON STEAM	TN0005452	6/30/2003	
4	TN	SEQUOYAH NUCLEAR	TVA-SEQUOYAH NUCLEAR	TN0026450	12/31/2003	
4	TN	WATTS BAR NUCLEAR	TVA-WATTS BAR NUCLEAR	TN0020168	9/28/2001	
5	IL	BRAIDWOOD NUCLEAR	EXELON GENERATION-BRAIDWOOD	IL0048321	9/1/2000	
5	IL	BYRON NUCLEAR	EXELON GENERATION CO LLC-BYRON	IL0048313	8/31/2005	
5	IL	CLINTON NUCLEAR	AMERGEN ENERGY CO,LLC-CLINTON	IL0036919	4/30/2005	
5	IL	COFFEEN	AMEREN - COFFEEN POWER STATION	IL0000108	9/30/2003	
5	IL	COLLINS	MIDWEST GENERATION,LLC-COLLINS	IL0048143	8/31/2004	
5	IL	CRAWFORD	MIDWEST GENERATION,LLC-CRAWFRD	IL0002186	4/30/2005	
5	IL	DALLMAN	SPRINGFIELD CWLP	IL0024767	12/31/2006	Co-located with Lakeside?
5	IL	DRESDEN NUCLEAR	EXELON GENERATION CO.,LLC	IL0002224	10/31/2005	
5	IL	DUCK CREEK		IL0055620	2003	
5	IL	E D EDWARDS	CILCO-EDWARDS	IL0001970	2/28/2005	
5	IL	FISK	MIDWEST GENERATION,LLC-FISK	IL0002178	4/30/2005	
5	IL	GRAND TOWER	AMEREN CIPS - GRAND TOWER	IL0000124	7/31/2003	
5	IL	HAVANA	DYNEGY MIDWEST GEN-HAVANA	IL0001571	4/30/2007	
5	IL	HENNEPIN	DYNEGY MIDWEST GEG-HENNEPIN	IL0001554	4/30/2007	
5	IL	HUTSONVILLE	AMEREN CIPS - HUTSONVILLE	IL0004120	4/30/2004	
5	IL	JOLIET 29	MIDWEST GENERATION,LLC-JOLIET	IL0064254	11/30/2000	
5	IL	JOLIET 9	MIDWEST GENERATION,LLC-JOLIET9	IL0002216	3/31/2001	
5	IL	JOPPA STEAM	ELECTRIC ENERGY-JOPPA	IL0004171	7/31/2004	
5	IL	KINCAID	KINCAID GENERATION, L.L.C.	IL0002241	4/30/2005	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
5	IL	LA SALLE COUNTY NUCL	EXELON GENERATION CO, LLC	IL0048151	4/30/2004	
5	IL	LAKESIDE		IL0024767	12/31/2006	Co-located with Dallman?
5	IL	MARION	SOUTHERN ILL POWER-MARION	IL0004316	9/30/2003	
5	IL	MEREDOSIA	AMEREN ENERGY-MEREDOSIA	IL0000116	4/30/2003	
5	IL	NEWTON	AMEREN CIPS - NEWTON	IL0049191	8/31/2003	
5	IL	POWERTON	MIDWEST GENERATION-POWERTON	IL0002232	12/31/2004	
5	IL	QUAD CITIES NUCLEAR	EXELON GENERATION-QUAD CITIES	IL0005037	5/31/2005	
5	IL	WAUKEGAN	MIDWEST GENERATION,LLC-WAUKEGN	IL0002259	7/31/2005	
5	IL	WILL COUNTY	MIDWEST GENERATION,LLC-WILL CO	IL0002208	5/31/2005	
5	IL	WOOD RIVER	DYNEGY MIDWEST GEN-WOOD RIVER	IL0000701	4/30/2007	
5	IN	BAILLY	NIPSCO, BAILEY GENERATING STA	IN0000132	8/31/1993	
5	IN	CAYUGA	PSI CAYUGA GENERATING STATION	IN0002763	8/31/1995	
5	IN	CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP	IN0001759	9/30/1996	
5	IN	DEAN H MITCHELL	NIPSCO, DEAN H. MITCHELL STA	IN0000124	8/31/1998	
5	IN	EDWARDSPORT	PSI EDWARDSPORT GEN. STATION	IN0002780	11/30/1994	
5	IN	ELMER W STOUT	IPALCO, HARDING STREET STATION	IN0004685	5/31/1996	
5	IN	F B CULLEY	SIGECO, F. B. CULLEY STATION	IN0002259	8/31/1994	
5	IN	FRANK E RATTS	HOOSIER ENERGY REC, INC.	IN0004391	8/19/1992	
5	IN	H T PRITCHARD	IPALCO, EAGLE VALLEY STATION	IN0004693	10/31/1988	
5	IN	LOGANSPORT	LOGANSPORT CITY ELECTRIC CO.	IN0041246	10/31/2006	
5	IN	MEROM	HOOSIER ENERGY REC, INC.	IN0050296	9/30/2002	
5	IN	MICHIGAN CITY	NIPSCO, MICHIGAN CITY GEN. STA	IN0000116	8/31/1998	
5	IN	NOBLESVILLE	PSI NOBLESVILLE GEN. STATION	IN0002801	7/31/1994	
5	IN	PERU	PERU POWER PLANT	IN0044130	2/28/2007	
5	IN	PETERSBURG	IPALCO, PETERSBURG GEN STATION	IN0002887	8/19/1992	
5	IN	R GALLAGHER	PSI GALLAGHER GEN. STATION	IN0002798	6/30/1994	
5	IN	R M SCHAHFER	NIPSCO, ROLLIN M. SCHAHFER STA	IN0053201	8/31/1998	
5	IN	ROCKPORT	AMERICAN ELECTRIC POWER, ROCKP	IN0051845	8/31/1994	
5	IN	TANNERS CREEK	AMERICAN ELECTRIC POWER, TANNE	IN0002160	12/31/2000	
5	IN	UNIVERSITY OF NOTRE DAME POWER PLANT		ING250053	2003	aka IN0059927
5	IN	WABASH RIVER	PSI WABASH RIVER GEN. STATION	IN0002810	8/31/1995	
5	IN	WARRICK		IN0001155	1990	
5	MI	B C COBB	CECO-B C COBB POWER PLT	MI0001520	10/1/2002	
5	MI	BELLE RIVER	DECO-BELLE RIVER PLT	MI0038172	10/1/2003	
5	MI	CONNERS CREEK	DECO-CONNERS CREEK PLT	MI0001775	10/1/2002	
5	MI	DAN E KARN	CECO-KARN & JC WEADOCK PLT	MI0001678	10/1/2007	Co-located with Weadock?

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
5	MI	DONALD C COOK NUCLEA	AMERICAN ELEC POWER-COOK PLT	MI0005827	10/1/2003	
5	MI	ECKERT STATION	LANSING BWL-ECKERT STATION	MI0004464	10/1/2002	
5	MI	FERMI NUCLEAR	DECO-FERMI-2 PLANT	MI0037028	10/1/2004	
5	MI	HARBOR BEACH	DECO-HARBOR BEACH PLT	MI0001856	10/1/2004	
5	MI	J B SIMS	GRAND HAVEN BL&P-J B SIMS	MI0000728	10/1/2005	
5	MI	J C WEADOCK		M10001678	2007	Co-located with Karn?
5	MI	J H CAMPBELL	CECO-J H CAMPBELL POWER PLT	MI0001422	10/1/2006	
5	MI	J R WHITING	CECO-J R WHITING POWER PLT	MI0001864	10/1/2007	
5	MI	JAMES DE YOUNG	HOLLAND BPW-DEYOUNG POWER PLT	MI0001473	10/1/2006	
5	MI	MARYSVILLE	DECO-MARYSVILLE PLT	MI0001694	10/1/2003	
5	MI	MIDLAND COGENERATION VENTURE	MIDLAND COGENERATION VENTURE	MI0042668	10/1/2003	
5	MI	MISTERSKY	DETROIT MISTERSKY POWER STA	MI0004685	10/1/2002	
5	MI	MONROE	DECO-MONROE PLT	MI0001848	10/1/2004	
5	MI	PALISADES NUCLEAR	CPCO-PALISADES POWER PIT	MI0001457	10/1/2003	
5	MI	PRESQUE ISLE	WISCONSIN ELECTRIC-MARQUETTE	MI0006106	10/1/2002	
5	MI	RIVER ROUGE	DECO-RIVER ROUGE PLANT	MI0001724	10/1/2002	
5	MI	SHIRAS	MARQUETTE BD OF LIGHT & POWER	MI0006076	10/1/2002	
5	MI	ST CLAIR	DECO-ST CLAIR PLT	MI0001686	10/1/2003	
5	MI	TRENTON CHANNEL	DECO-TRENTON PLT	MI0001791	10/1/2002	
5	MI	WYANDOTTE	WYANDOTTE ELECTRIC PLANT & WFP	MI0038105	10/1/2006	
5	MN	ALLEN S KING	NSP-ALLEN S KING PLANT	MN0000825	10/31/2005	
5	MN	AUSTIN-DT	AUSTIN UTILITIES-DOWNTOWN	MN0025801	7/31/2001	
5	MN	BLACK DOG	NSP-BLACK DOG PLANT	MN0000876	11/30/2000	
5	MN	CLAY BOSWELL	MINNESOTA POWER/WISC PUB POWER	MN0001007	6/30/2006	
5	MN	ELK RIVER	GREAT RIVER ENERGY-ELK RIVER	MN0001988	6/30/2003	
5	MN	FOX LAKE	INTERSTATE POWER CO-FOX LAKE	MN0000957	3/31/2007	
5	MN	HIGH BRIDGE	NSP-HIGH BRIDGE PLANT	MN0000884	1/31/2001	
5	MN	HOOT LAKE	OTTER TAIL POWER CO	MN0002011	7/31/2002	
5	MN	M L HIBBARD	MINNESOTA POWER INC-ML HIBBARD	MN0001015	6/30/2006	
5	MN	MONTICELLO NUCLEAR	NSP-MONTICELLO NUCLEAR PLANT	MN0000868	7/31/2007	
5	MN	PRAIRIE ISLAND NUCLE	NSP-PRAIRIE ISLAND PLANT	MN0004006	4/30/2005	
5	MN	RED WING	NSP-RED WING GENERATING PLANT	MN0000850	6/30/2002	
5	MN	RIVERSIDE	NSP DBA XCEL ENERGY-RIVERSIDE	MN0000892	5/31/2007	
5	MN	SILVER LAKE	ROCHESTER PUBLIC UTILITIES	MN0001139	5/31/2007	
5	MN	SYL LASKIN	MINNESOTA POWER INC-AURORA	MN0000990	10/31/2003	
5	OH	ASHTABULA	CLEVE ELEC ILLUMINATING CO	OH0001121	10/31/2001	
5	OH	AVON LAKE	CLEVE ELEC ILLUMINATING CO	OH0001112	10/31/2005	
5	OH	BAY SHORE	TOLEDO EDISON COMPANY	OH0002925	7/31/2006	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
5	OH	CARDINAL	AMERICAN ELECTRIC POWER	OH0012581	10/28/2002	
5	OH	CONESVILLE	AMERICAN ELECTRIC POWER	OH0005371	7/31/2007	
5	OH	DAVIS-BESSE	TOLEDO EDISON COMPANY	OH0003786	6/30/2006	
5	OH	EASTLAKE	CLEVE ELEC ILLUMINATING CO	OH0001139	7/28/2003	
5	OH	EDGEWATER	OHIO EDISON	OH0051306	2/28/2006	
5	OH	GEN J M GAVIN	AMERICAN ELECTRIC POWER	OH0028762	7/31/2007	
5	OH	HAMILTON		OH0010413	2003	Invalid permit # in PCS.
5	OH	J M STUART	DAYTON POWER & LIGHT CO.	OH0004316	9/27/2001	
5	OH	KYGER CREEK	OHIO VALLEY ELECTRIC CORP	OH0005282	7/31/2007	
5	OH	LAKE SHORE	CLEVE ELEC ILLUMINATING CO	OH0001147	6/30/2006	
5	OH	MIAMI FORT		OH0009873	2003	
5	OH	MUSKINGUM RIVER	AMERICAN ELECTRIC POWER	OH0006149	7/31/2006	
5	OH	NILES	OHIO EDISON	OH0011533	9/30/2000	
5	OH	O H HUTCHINGS	DAYTON POWER & LIGHT CO	OH0009261	3/31/2002	
5	OH	PERRY NUCLEAR	CLEVELAND ELECTRIC ILLUM.CO	OH0063461	1/31/2007	
5	OH	PICWAY	AMERICAN ELECTRIC POWER	OH0005398	2/28/2007	
5	OH	PIQUA	CITY OF PIQUA, OHIO	OH0010421	1/31/2006	
5	OH	R E BURGER	OHIO EDISON	OH0011592	10/31/2004	
5	OH	RICHARD H. GORSUCH		OH0099538	2002	
5	OH	W H SAMMIS	OHIO EDISON	OH0011525	3/31/2003	
5	OH	W H ZIMMER		OH0048836	2004	
5	OH	WALTER C BECKJORD		OH0009865	2003	
5	WI	ALMA	DAIRYLAND POWER COOP ALMA 6 MA	WI0040223	6/30/2005	Co-located with JP Madgett?
5	WI	BAY FRONT	NORTHERN STATES POWER CO - BAY	WI0002887	6/30/2001	
5	WI	BLACKHAWK		WI00023995	2001	Invalid permit # in PCS.
5	WI	BLOUNT STREET	MADISON GAS AND ELECTRIC	WI0001961	12/31/2004	
5	WI	COLUMBIA	WI POWER AND LIGHT COLUMBIA PL	WI0002780	6/30/2003	
5	WI	EDGEWATER	ALLIANT ENERGY EDGEWATER STATI	WI0001589	6/30/2001	
5	WI	GENOA	DAIRYLAND POWER COOP GENOA	WI0003239	6/30/2007	
5	WI	J P MADGETT		WI0040223	6/30/2005	Co-located with Alma?
5	WI	KEWAUNEE NUCLEAR	WI PUBLIC SERVICE CORP KEWAUNE	WI0001571	6/30/2005	
5	WI	MANITOWOC	MANITOWOC PUBLIC UTILITIES	WI0027189	8/31/2007	
5	WI	MENASHA	MENASHA ELECTRIC AND WATER UTI	WI0027707	9/30/2006	
5	WI	NELSON DEWEY	ALLIANT NELSON DEWEY	WI0002381	3/31/2006	
5	WI	POINT BEACH NUCLEAR	WI ELECTRIC POWER CO PT BEACH	WI0000957	3/31/2004	
5	WI	PORT WASHINGTON	WI ELECTRIC POWER CO PORT WASH	WI0000922	6/30/2005	
5	WI	PULLIAM	WI PUBLIC SERVICE CORP PULLIAM	WI0000965	6/30/2006	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
5	WI	ROCK RIVER	WI POWER AND LIGHT ROCK RIVER	WI0002402	6/30/1991	
5	WI	SOUTH OAK CREEK	WI ELECTRIC POWER CO OAK CREEK	WI0000914	12/31/2001	
5	WI	VALLEY	WI ELECTRIC POWER CO VALLEY PO	WI0000931	12/31/1991	
5	WI	WESTON	WI PUBLIC SERVICE CORP-WESTON	WI0003131	12/31/2006	
6	AR	ARKANSAS NUCLEAR ONE	ENTERGY-ARKANSAS NUCLEAR ONE	AR0001392	10/31/2002	
6	AR	CARL BAILEY	ARKANSAS ELECTRIC COOP-BAILEY	AR0000400	3/31/2005	
6	AR	FLINT CREEK		AR0037842	2005	
6	AR	LAKE CATHERINE	ENTERGY-LAKE CATHERINE PLANT	AR0001147	6/30/2007	
6	AR	MCCLELLAN	ARKANSAS ELECTRIC COOP-MCCLELL	AR0000841	6/30/2005	
6	AR	ROBERT E RITCHIE	ENTERGY-RITCHIE PLANT	AR0000388	11/30/2002	
6	AR	THOMAS FITZHUGH	ARKANSAS ELECTRIC COOP-FITZHUG	AR0001759	1/31/2005	
6	LA	A B PATERSON	ENTERGY NEW ORLEANS-AB PATTERS	LA0004316	3/31/2004	
6	LA	ARSENAL HILL	SOUTHWESTERN ELEC PWR-ARSENAL	LA0002925	9/24/1995	
6	LA	BIG CAJUN 2		LA0054135	1992	Invalid permit # in PCS.
6	LA	LIEBERMAN	SOUTHWESTERN ELEC PWR-LIEBERMA	LA0002917	9/30/2006	
6	LA	LITTLE GYPSY	ENTERGY LOUISIANA, INC-LAPLACE	LA0003191	9/30/2007	
6	LA	MICHOUD	ENTERGY NEW ORLEANS, INC-MICH	LA0004324	10/31/1997	
6	LA	MONROE	ENTERGY LOUISIANA, INC-MONROE	LA0007765	4/23/1995	
6	LA	NINEMILE POINT	ENTERGY LOUISIANA, INC-NINEMIL	LA0003093	9/24/1995	
6	LA	RODEMACHER	CLECO-RODEMACHER	LA0008036	10/31/1996	
6	LA	STERLINGTON	ENTERGY LOUISIANA-STERLINGTON	LA0007579	11/30/2005	
6	LA	TECHE	CLECO-TECHE	LA0002887	10/1/1994	
6	LA	WATERFORD #3 NUCLEAR	ENTERGY OPERATIONS-WATERFORD#3	LA0007374	1/31/2004	
6	LA	WATERFORD 1 & 2	ENTERGY LOUISIANA, INC-WATERFO	LA0007439	7/31/2005	
6	LA	WILLOW GLEN	ENTERGY GULF STATES, INC-WILLO	LA0005851	3/31/2007	
6	NM	ANIMAS	FARMINGTON, CITY OF	NM0000043	2/28/2005	
6	NM	FOUR CORNERS	ARIZONA PUBLIC SERVICE CO	NM0000019	4/6/2006	
6	OK	BOOMER LAKE		OK0022586	2003	
6	OK	GRDA	GRAND RIVER DAM AUTHORITY-CHOU	OK0035149	5/19/1987	
6	OK	HORSESHOE LAKE	OK GAS & ELEC-HORSESHOE LAKE	OK0000442	2/28/2007	
6	OK	MUSKOGEE	OK GAS & ELEC-MUSKOGEE	OK0034657	8/31/2003	
6	OK	SEMINOLE	OK GAS & ELEC-SEMINOLE GENER	OK0000451	6/30/2003	
6	OK	SOONER	OK GAS & ELEC-SOONER	OK0035068	2/29/2004	
6	TX	BARNEY M DAVIS	CENTRAL POWER & LIGHT COMPANY	TX0008826	6/1/2003	
6	TX	BIG BROWN	TXU BIG BROWN COMPANY LP(OWNER	TX0030180	2/1/2004	
6	TX	CEDAR BAYOU	TEXAS GENCO LP *	TX0006459	8/1/2003	
6	TX	COLETO CREEK	CENTRAL POWER AND LIGHT COMPAN	TX0070068	2/1/2006	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
6	TX	COMANCHE PEAK NUCLEA	TXU GENERATION COMPANY LP	TX0065854	3/1/2004	
6	TX	DANSBY	BRYAN, CITY OF (POWER STATION)	TX0027952	5/1/2004	
6	TX	DECKER CREEK	AUSTIN, CITY OF	TX0058441	9/1/2004	
6	TX	DECORDOVA	TXU DECORDOVA COMPANY LP AND	TX0046400	5/1/2004	
6	TX	DEEPWATER		TX0006360	2003	
6	TX	E S JOSLIN	CENTRAL POWER & LIGHT-JOSLIN	TX0003573	10/1/2003	
6	TX	EAGLE MOUNTAIN	TXU GENERATION COMPANY LP	TX0001180	12/1/2003	
6	TX	FORT PHANTOM	WEST TEXAS UTILITIES COMPANY	TX0002666	3/1/2005	
6	TX	GIBBONS CREEK	TEXAS MUNICIPAL POWER AGENCY	TX0074438	6/1/2005	
6	TX	GRAHAM	TXU GENERATION COMPANY LP	TX0001163	5/1/2004	
6	TX	HANDLEY	EXTEX LAPORTE LIMITED PARTNERS	TX0001198	9/1/2006	
6	TX	HOLLY STREET	AUSTIN ELECTRIC UTILITY, CITY	TX0000736	9/1/2005	
6	TX	J K SPRUCE		TX0063681	3/1/2005	Co-located with JT Deely, OW Sommers?
6	TX	J T DEELY		TX0063681	3/1/2005	Co-located with OW Sommers, JK Spruce?
6	TX	KNOX LEE	SOUTHWESTERN ELECTRIC POWER CO	TX0000540	3/1/2002	
6	TX	LAKE CREEK	TXU GENERATION COMPANY LP	TX0001058	3/23/2003	
6	TX	LAKE HUBBARD	TXU GENERATION COMPANY LP	TX0001023	10/1/2006	
6	TX	LAKE PAULINE	WEST TEXAS UTILITIES COMPANY	TX0009342	12/1/2005	
6	TX	LEWIS CREEK	ENTERGY GULF STATES, INC.	TX0067890	6/1/2002	
6	TX	LONE STAR	SOUTHWESTERN ELECTRIC POWER CO	TX0061999	8/1/2002	
6	TX	MARTIN LAKE	TXU GENERATION COMPANY LP	TX0054500	4/1/2006	
6	TX	MONTICELLO	TXU GENERATION COMPANY LP	TX0000086	2/1/2005	
6	TX	MORGAN CREEK	TXU GENERATION COMPANY LP	TX0001171	12/1/2004	
6	TX	MOUNTAIN CREEK	EXTEX LAPORTE LIMITED PARTNERS	TX0001007	9/1/2003	
6	TX	NORTH LAKE		TX0030295	2001	
6	TX	NORTH TEXAS	BRAZOS ELECTRIC POWER COOP, INC	TX0062189	9/1/2003	
6	TX	NUECES BAY	CENTRAL POWER & LIGHT	TX0003581	4/1/2005	
6	TX	O W SOMMERS		TX0063681	3/1/2005	Co-located with JT Deely, JK Spruce?
6	TX	OAK CREEK	WEST TEXAS UTILITIES COMPANY	TX0001406	9/1/2004	
6	TX	P H ROBINSON	TEXAS GENCO LP *	TX0006416	10/1/2003	
6	TX	PAINT CREEK	WEST TEXAS UTILITIES COMPANY	TX0001392	7/22/2002	
6	TX	PIRKEY	SOUTHWESTERN ELECTRIC POWER CO	TX0087726	4/1/2003	
6	TX	POWERLANE				Not in PCS.
6	TX	R W MILLER	BRAZOS ELECTRIC POWER COOP, INC	TX0062197	3/1/2004	
6	TX	RAY OLINGER	GARLAND, CITY OF	TX0001848	10/1/2006	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
6	TX	RIVER CREST	TXU GENERATION COMPANY LP	TX0062855	9/26/2004	
6	TX	SABINE	ENTERGY GULF STATES, INC.	TX0006696	8/1/2006	
6	TX	SAM BERTRON	TEXAS GENCO LP *	TX0006378	10/1/2003	
6	TX	SAM RAYBURN	SOUTH TEXAS ELECTRIC COOPERATI	TX0005118	2/1/2007	
6	TX	SAM SEYMOUR	L C R A FAYETTE POWER PROJECT	TX0073121	2004	
6	TX	SAN ANGELO	WEST TEXAS UTILITIES	TX0001422	9/1/2004	
6	TX	SIM GIDEON	LOWER COLORADO RIVER AUTHORITY	TX0064378	9/1/2004	
6	TX	SOUTH TEXAS NUCLEAR	RELIANT ENERGY INCORPORATED	TX0064947	12/1/2004	
6	TX	STRYKER CREEK	TXU GENERATION COMPANY LP	TX0001066	8/1/2003	
6	TX	T C FERGUSON	LOW COLORADO RIVER AUTHORITY	TX0057576	12/1/2004	
6	TX	TRADINGHOUSE	TXU TRADINGHOUSE COMPANY LP	TX0001040	12/1/2003	
6	TX	TRINIDAD	TXU GENERATION COMPANY LP	TX0001031	2/1/2002	
6	TX	UNSPECIFIED RESOURCE				Not in PCS.
6	TX	V H BRAUNIG	CITY PUBLIC SERVICE OF SAN ANT	TX0063690	3/1/2005	
6	TX	VALLEY	BRAZOS VALLEY ENERGY LP	TX0123510	7/1/2004	
6	TX	VICTORIA	CENTRAL POWER & LIGHT COMPANY	TX0003603	2/1/2005	
6	TX	W A PARISH	TEXAS GENCO LP	TX0006394	7/1/2004	
6	TX	WEBSTER	TEXAS GENCO LP *	TX0006432	10/1/2003	
6	TX	WELSH	SOUTHWESTERN ELEC POWER (WELSH	TX0063215	3/22/2003	
6	TX	WILKES	SOUTHWESTERN ELEC PWR-WILKES	TX0062006	2/1/2004	
7	IA	BURLINGTON	IP&L-BURLINGTON GENERATING STA	IA0001783	2/25/2003	
7	IA	COUNCIL BLUFFS	MIDAMERICAN ENERGY COMPANY-COU	IA0004308	12/2/2002	
7	IA	DUBUQUE	IP&L-DUBUQUE STATION	IA0001767	9/24/2001	
7	IA	FAIR STATION	CENTRAL IOWA POWER CO-OP - FAI	IA0001562	8/9/2004	
7	IA	GEORGE NEAL NORTH	MIDAMERICAN ENERGY COMPANY-NEA	IA0004103	3/31/2003	Co-located with George Neal South?
7	IA	GEORGE NEAL SOUTH	MIDAMERICAN ENERGY COMPANY-NEA	IA0004103	3/31/2003	Co-located with George Neal North?
7	IA	LANSING	IP&L-LANSING STATION	IA0003735	10/1/2003	
7	IA	MILTON L KAPP	IP&L-KAPP STATION	IA0001759	7/15/2004	
7	IA	MUSCATINE	MUSCATINE POWER AND WATER	IA0001082	5/14/2003	
7	IA	PRAIRIE CREEK	IP&L-PRAIRIE CREEK STATION	IA0000540	11/30/1997	
7	IA	RIVERSIDE	MIDAMERICAN ENERGY COMPANY-RIV	IA0003611	5/19/2003	
7	IA	SIXTH STREET	IP&L-6TH. STREET STATION	IA0000132	12/9/2003	
7	IA	UNIVERSITY OF IOWA - MAIN POWER PL	UNIVERSITY OF IOWA POWER PLANT	IA0003077	3/26/2007	
7	KS	JEFFREY ENERGY CENTE	K. P. & L.-JEFFREY ENERGY CNTR	KS0080632	12/31/2000	
7	KS	KAW	BD OF PUB UTIL KCK KAW PWR STA	KS0080179	8/31/2005	
7	KS	LA CYGNE	KANSAS CITY POWER P LIGHT CO L	KS0080071	12/31/2004	

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
7	KS	NEARMAN CREEK	NEARMAN CRK POWER STATION	KS0119075	3/31/2001	
7	KS	QUINDARO	BD OF PUB UTIL-QUINDARO STATIO	KS0080942	1/1/2003	
7	KS	RIVERTON	EMPIRE DIST. ELECTRIC CO.	KS0079812	12/31/2003	
7	KS	WOLF CREEK NUCLEAR	WOLF CREEK GENERATING STATION	KS0079057	12/31/2004	
7	MO	CHAMOIS	CE, CHAMOIS PP	MO0004766	1/8/2002	
7	MO	HAWTHORN	KCPL HAWTHORNE STATION	MO0004855	7/27/2005	
7	MO	IATAN	KCPL, IATAN GENERATING ST	MO0082996	12/17/2003	
7	MO	JAMES RIVER		MO0001961	2003	
7	MO	LABADIE	AMEREN, UE LABADIE PP	MO0004812	3/17/1999	
7	MO	LAKE ROAD	LAKE ROAD PLANT	MO0004898	12/17/2002	
7	MO	MERAMEC	AMEREN UE, MERAMEC PP	MO0000361	5/18/2005	
7	MO	MISSOURI CITY	INDEP BLUE VALLEY PWR PLT	MO0115924	4/4/2007	
7	MO	MONTROSE	KCPL, MONTROSE STATION	MO0101117	11/8/2000	
7	MO	NEW MADRID	AECI, NEW MADRID PP	MO0001171	7/2/2002	
7	MO	RUSH ISLAND	UE, RUSH ISLAND PP	MO0000043	2/3/1999	
7	MO	SIBLEY	UTILICORP-SIBLEY STATION	MO0004871	11/2/2005	
7	MO	SIOUX	AMEREN, UE SIOUX PP	MO0000353	2/3/2004	
7	MO	THOMAS HILL	AECI, THOMAS HILL PP	MO0097675	3/31/2000	aka MO0003913
7	NE	CANADAY	NPPD CANADAY STATION	NE0000680	4/30/2006	
7	NE	COOPER NUCLEAR	NPPD COOPER NUCLEAR BROWNVILLE	NE0001244	6/30/2006	
7	NE	FORT CALHOUN NUCLEAR	OPPD FORT CALHOUN STATION	NE0000418	3/31/2006	
7	NE	GERALD GENTLEMAN	NPPD GERALD GENTLEMAN STATION	NE0111546	9/30/2005	
7	NE	NEBRASKA CITY	OPPD NEBR CITY STATION	NE0111635	8/15/1993	
7	NE	NORTH OMAHA	OPPD NORTH OMAHA STATION	NE0000621	10/1/1999	
8	CO	CAMEO	PUBLIC SERVICE CO. OF COLORADO	CO0000027	8/31/1999	
8	CO	FORT ST VRAIN	PUBLIC SERVICE COMPANY OF COLO	CO0001121	1/31/2007	
8	CO	PUEBLO		CO0000574	2002	Invalid permit # in PCS.
8	CO	VALMONT	PUBLIC SERVICE CO. OF COLORADO	CO0001112	9/30/1999	
8	CO	ZUNI	PUBLIC SERVICE COMPANY OF COLO	CO0001139	1/31/2007	
8	MT	J E CORETTE	PPL MONTANA,LLC. CORETTE PLANT	MT0000396	3/31/2005	
8	ND	LELAND OLDS STATION	BASIN ELEC POWER COOP-LELAND	ND0025232	12/31/2006	
8	ND	MILTON R YOUNG	MINNKOTA POWER COOP-YOUNG STAT	ND0000370	6/30/2005	
8	ND	R M HESKETT STATION		ND0000264	2003	
8	ND	STANTON	GREAT RIVER ENERGY (STANTON)	ND0000299	12/31/2006	
8	SD	BIG STONE		SDR00A145	2002	Invalid permit # in PCS.
8	WY	DAVE JOHNSTON	Pacificorp	WY0003115	1/31/2005	
9	AZ	CHOLLA	ARIZONA PUBLIC SERVICE COMPANY	AZ0023311	8/10/2003	
9	CA	c/o AES REDONDO BEACH LLC	AES CORPORATION	CA0001201	5/10/2005	Elly Ellen

Phase II Existing Facilities

REGION	STATE	FACILITY NAME (316b survey)	FACILITY NAME (PCS)	NPDES ID (PCS)	EXP DATE (PCS)	NOTES
9	CA	c/o DUKE ENERGY SOUTH BAY LLC	DUKE ENERGY SO BAY, LLC	CA0001368	11/14/2001	
9	CA	c/o EL SEGUNDO POWER, LLC	EL SEGUNDO POWER, LLC	CA0001147	5/10/2005	
9	CA	c/o LONG BEACH GENERATION LLC	LONG BEACH GENERATION LLC	CA0001171	4/10/2006	
9	CA	c/o SOUTHERN ENERGY CALIFORNIA		CA0005657	2004	Potrero
9	CA	CONTRA COSTA	SOUTHERN ENERGY DELTA LLC	CA0004863	4/1/2006	
9	CA	DIABLO CANYON NUCLEA	PACIFIC GAS & ELECTRIC COMPANY	CA0003751	7/1/1995	
9	CA	ENCINA	CABRILLO POWER I LLC	CA0001350	2/9/2005	
9	CA	HARBOR	LOS ANGELES CITY OF DWP	CA0000361	1/10/2000	
9	CA	HAYNES	LOS ANGELES CITY OF DWP	CA0056995	2/10/2005	
9	CA	HUMBOLDT BAY	PACIFIC GAS & ELECTRIC COMPANY	CA0005622	4/26/2006	
9	CA	HUNTERS POINT		CA0005649	1999	
9	CA	HUNTINGTON BEACH	AES HUNTINGTON BEACH, LLC	CA0001163	6/1/2005	
9	CA	MANDALAY	RELIANT ENERGY	CA0001180	11/10/1999	
9	CA	MORRO BAY	DUKE ENERGY MORRO BAY LLC	CA0003743	3/10/2000	
9	CA	MOSS LANDING	DUKE ENERGY MOSS LANDING LLC	CA0006254	10/27/2005	
9	CA	ORMOND BEACH	RELIANT ENERGY	CA0001198	5/10/2006	
9	CA	PITTSBURG		CA0004880	2007	
9	CA	SAN ONOFRE NUCLEAR	SOUTHERN CALIFORNIA EDISON CO	CA0001228	2/9/2005	
9	CA	SCATTERGOOD	LOS ANGELES CITY OF DWP	CA0000370	5/10/2005	
9	HI	HONOLULU	HAWAIIAN ELECTRIC CO INC	HI0000027	6/30/2004	
9	HI	KAHE	HAWAIIAN ELECTRIC CO	HI0000019	9/30/2004	
9	HI	WAIAU	HAWAIIAN ELECTRIC CO INC	HI0000604	8/31/2004	
9	NV	FORT CHURCHILL				Not in PCS.
10	AK	HEALY		AK0022942	2005	

NOTES:

This list of facilities and permit numbers was compiled from several sources. The original list of facilities was taken from the universe of facilities that received a screener survey during the 316(b) industrial screener survey process. From this, only Phase II Existing Facilities were retained. Some data regarding a facility's NPDES permit number and the permit's expiration date could be gleaned from the survey data, but only from detailed questionnaires and this data was often out of date. A query was made from PCS for all active facilities with an SIC code of 491 in an attempt to complete the list. Roughly 80% of the data points were found using the query data. The remaining data points were found using individual searches in PCS.

Some data remain missing or in question, and these facilities are noted in the table. Many are cases where PCS lists only one permit for one or more seemingly distinct facilities. Others were not listed in PCS at all and may have ceased operations or are unidentifiably/incorrectly entered into PCS.

The table lists both the facility name from the survey and from PCS in order to make identification simpler, as naming conventions vary.