

Appendix F. Permits

Table F.1. Y-12 Complex environmental permits, 2006

Regulatory Driver	Permit Title/Description	Permit Number	Issue Date	Exp Date	Owner	Operator	Responsible Contractor
CAA	Chip Oxidizer Operating Permit	554594	10/21/2004	10/21/2009	DOE	DOE	BWXT
CAA	Operating Permit (Title V)	554701	10/21/2004	10/21/2009	DOE	DOE	BWXT
CAA	Purification Facility/Construction Permit (Expiration date pending TDEC conversion to Operating Permit)	956248P	06/17/2003		DOE	DOE	BWXT
CAA	Depleted Uranium Forming and Heat Transfer (Construction Permit)	950266P	11/4/1998	7/1/2007	DOE	DOE	BWXT
CWA	Industrial & Commercial User Wastewater Discharge (Sanitary Sewer Permit)	No. 1-91	04/01/2005	03/31/2010	DOE	DOE	BWXT
CWA	Pump & Haul 9720-82	SOP 04018	11/30/2004	11/30/2009	BWXT	BWXT	BWXT
CWA	National Pollutant Discharge Elimination System Permit	TN0002968	03/13/2006	12/31/2008	DOE	DOE	BWXT
CWA	General Stormwater Permit (Expires on approval of NOT)	TNR130714	02/06/2004		BWXT	BWXT	BWXT
RCRA	Hazardous Waste Transporter Permit	TN3890090001	1/28/2007	1/31/2008	DOE	DOE	BWXT
RCRA	Hazardous Waste Corrective Action Permit	TNHW-121	09/28/2004	09/28/2014	DOE	DOE, NNSA, and all ORR co-operators of hazardous waste permits	BJC
RCRA	Container Storage Units	TNHW-122	08/31/2005	08/31/2015	DOE	DOE/BWXT Y-12	BWXT / Navarro-GEM JV, co-operator
RCRA	Hazardous Waste Container Storage and Treatment Units	TNHW-127	10/06/2005	10/06/2015	DOE	DOE/BWXT Y-12	BWXT Y-12 co-operator
RCRA	RCRA Post-Closure Permit for the Chestnut Ridge Hydrogeologic Regime	TNHW-128	9/29/2006	9/29/2016	DOE	DOE/BJC	BJC
RCRA	RCRA Post-Closure Permit for the Bear Creek Hydrogeologic Regime	TNHW-116	12/10/2003	12/10/2013	DOE	DOE/BJC	BJC

Table F.1 (continued)

Regulatory Driver	Permit Title/Description	Permit Number	Issue Date	Exp Date	Owner	Operator	Responsible Contractor
RCRA	RCRA Post-Closure Permit for The Upper East Fork Poplar Creek Hydrogeologic Regime	TNHW-113	9/23/2003	9/23/2013	DOE	DOE/BJC	BJC
RCRA	Industrial Landfill IV (Operating, Class II)	IDL-01-103-0075	Permitted in 1988—most recent modification approved 1/13/1994	NA	DOE	DOE/BJC	BJC
RCRA	Industrial Landfill V (Operating, Class II)	IDL-01-103-0083	Initial permit 4/26/1993	NA	DOE	DOE/BJC	BJC
RCRA	Construction and Demolition Landfill (Overfilled, Class IV Subject to CERCLA ROD)	DML-01-103-0012	Initial permit 1/15/1986	NA	DOE	DOE/BJC	BJC
RCRA	Construction and Demolition Landfill VI (Postclosure care and maintenance)	DML-01-103-0036	Permit terminated by TDEC 3/15/2007	NA	DOE	DOE/BJC	BJC
RCRA	Construction and Demolition Landfill VII (Operating, Class IV)	DML-01-103-0045	Initial permit 12/13/1993	NA	DOE	DOE/BJC	BJC
RCRA	Centralized Industrial Landfill II (Postclosure care and maintenance)	IDL-01-103-0189	Most recent modification approved 5/8/1992		DOE	DOE/BJC	BJC

Table F.2. Oak Ridge National Laboratory air permits, 2006

Emission source reference number	Permit number	Source description
73-0112-01	556850	Radioactive Materials Analytical Laboratory
73-0112-02	556850	Radiochemical Development Facility
73-0112-03	556850	Steam Plant
73-0112-05	556850	Manipulator Boot Shop
73-0112-07	556850	Boilers
73-0112-09	556850	Surface Coating and Cleaning Operation
73-0112-11	956542P	Spallation Neutron Source and Central Exhaust Facility (construction permit)
73-0112-24	556850	Boilers
73-0112-25	556850	Boilers
73-0112-37	547563	Air Stripper (Bechtel Jacobs Company permit)
73-0112-82	556850	High Flux Isotope Reactor & Radiochemical Engineering Development Center
73-0112-93	547563	Off Gas & Hot Cell Ventilation (Bechtel Jacobs Company permit)
Not applicable	0904-12 ^a	National Transportation Research Center

^aPermit issued by Knox County Department of Air Quality Management.

Table F.3. East Tennessee Technology Park environmental permits, 2006

Regulatory Driver	Permit Title/Description	Permit Number	Issue Date	Exp Date	Owner	Operator	Responsible Contractor
CAA	K-1202-ST1 Storage Tank Operating Permit	033203P	3/09/92	10/01/94 ^a	DOE	DOE	BJC
CAA	K-1202-ST2 Storage Tank Operating Permit	034392P	7/27/92	0/01/96 ^a	DOE	DOE	BJC
CAA	K-1420-A1 Storage Tank Operating Permit	034619P	7/27/92	10/01/96 ^a	DOE	DOE	BJC
CAA	K-1423 Solid Waste Repackaging Construction Permit	958435P	10/10/05	10/10/06 ^b	DOE	DOE	BJC
CAA	K-1425 WOS A, B, C, and D Storage Tank Operating Permit	029895P	9/21/90	10/01/96 ^b	DOE	DOE	BJC
CAA	K-1435 TSCA Incinerator Construction	9578081	1/25/05 Ammended8/18/05	1/25/06 ^b	DOE	DOE	BJC
CAA	K-1435-C Tank Farm Operating Permit	037460P	3/03/94	10/01/98 ^b	DOE	DOE	BJC
CAA	K-1407-U CNF Air Stripper Operating Permit	045253P	6/20/96	10/01/00 ^b	DOE	DOE	BJC
CAA	Fugitive Emissions Operating Permit	043016P	1995	10/01/99 ^a	DOE	DOE	BJC
CWA	National Pollutant Discharge Elimination System Permit	TN0002950	03/01/04	03/31/08	DOE	DOE	BJC
CWA	National Pollutant Discharge Elimination System Permit	TN0074225	10/07/2003	09/30/08	DOE	DOE	BJC
CWA	Holding Tank & Haul System for Domestic Wastewater	SOP-99033	4/29/05	4/29/10	BJC	BJC	BJC
CWA	Pump & Haul System for Sanitary Waste	SOP-01042	11/30/06	5/31/10	WESKEM	WESKEM	WESKEM
CWA	Pump & Haul System for Sanitary Waste	SOP-05068	06	06	WSMS	WSMS	WSMS
RCRA	Hazardous Waste Corrective Action Permit	TNHW-121	9/28/04	9/28/14	DOE	DOE	BJC
RCRA	TSCAI Container Storage Units	TNHW-015	9/28/87	9/28/97	DOE	DOE	BJC and Shaw Environmental
RCRA	Hazardous Waste Container Storage and Treatment Units	TNHW-015A	9/30/92	9/30/02	DOE	DOE	BJC and Shaw Environmental
RCRA	Hazardous Waste Container Storage and Treatment Units	TNHW-117	9/30/04	9/30/14	DOE	DOE	BJC, WESKEM, and Shaw Environmental

^aRequest to rescind permit submitted with Title V Major Source Operating Permit Application Update (Update submitted 8/04).

^bExisting permit extended indefinitely until replaced with a Title V Major Source Operating Permit (application submitted 9/20/96), modification requiring an amendment to existing permit, or request to rescind submitted.

Table F.4. Periods of excess emissions and out-of-service conditions for Y-12 Steam Plant east and west opacity monitors, 2006

Date	Stack	Condition	Comments
January 27	East	Opacity monitoring system was inoperative	Realigning the optical head and adjusting the zero and span values
February 7	West	Opacity monitor malfunction	Realigning the optical head and adjusting the zero and span values
February 25	East	Opacity monitoring system was inoperative	Opacity monitor malfunction
February 26 & 27	East	Ninety-six, 6-min periods of excess emissions	The excess emissions resulted of a malfunction which occurred when a bag was blown off in Compartment 7 of Baghouse 4
March 2 & 8	East	Opacity monitoring system was inoperative	Opacity monitor malfunction
March 27	West	Opacity monitoring system was out of service	Performed routine maintenance on the monitor which included adjusting the zero and span values in preparation to conduct the Calibration Error Test
March 30 & 31	East	Opacity monitoring system was out of service	Performed routine maintenance on the monitor which included adjusting the zero and span values in preparation to conduct the Calibration Error Test
October 27	East	Four 6-min periods of excess emissions	Baghouse 4 Chart Recorder malfunction which caused the baghouse bypass dampers to open
November 7	East	Two 6-min periods of excess emissions	Baghouse 4 Chart Recorder malfunction which caused the baghouse bypass dampers to open

