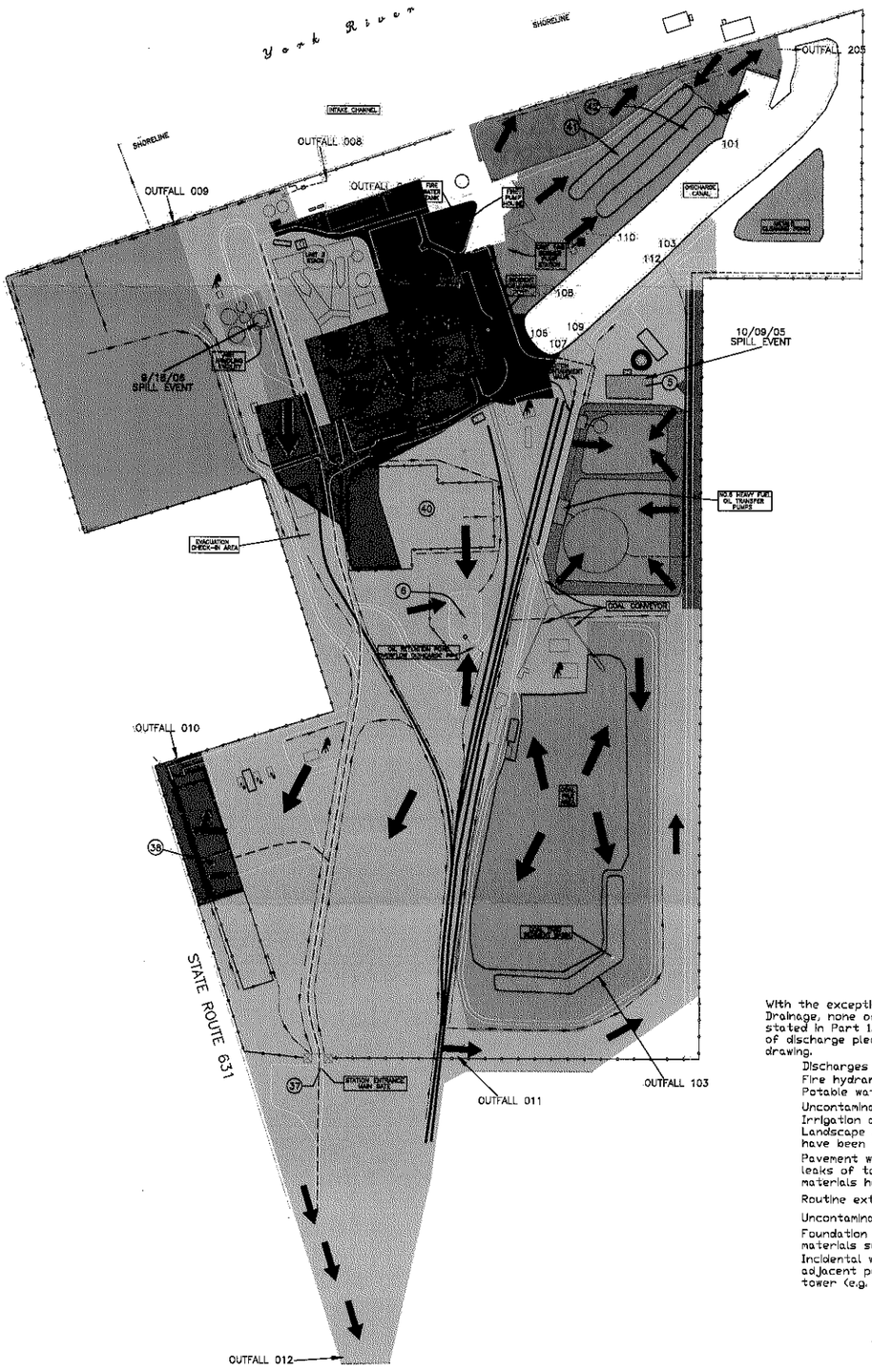

This map is included in the existing SWPPP and is based on the requirements of the existing VPDES permit and 2007 application; as the effective VPDES permit includes outfalls 011, 106, 107, 108, 109, 110, 112 and 205, this diagram has not has not been update to reflect the request to remove those outfalls. An updated drainage map will be incorporated into the revised SWPPP in accordance with the requirements of the reissued VPDES permit.

A Lay Down Area
B Vehicle Maintenance Building
C Metal Dumpster
D General Refuse Dumpster
E Combustion Catalyst Tank & Unloading
F Fuel Oil Additive & Unloading (10,000 gal)
G Sodium Hypochlorite Tank & Unloading
H Actobrom Tank & Unloading
I Ammonium Hydroxide Tank & Unloading
J Refining Tanks 1.) Hypochlorite
2.) Bromine Additive
K Lime Slurry Tanks
L Welding Shop
M Coal Conveyors
N Coal Unloading Building
O Ash Unloading Silos

OTHER FACILITIES

37. STATION ENTRANCE & MAIN GATE – EVACUATION AND EGRESS ROUTE.
38. FACILITY EVACUATION AREA & CHECK-IN @ WAREHOUSE.
40. SWITCHYARD.

SURFACE IMPOUNDMENTS

41. NORTH SETTLING POND
42. SOUTH SETTLING POND

HAZARDOUS MATERIAL STORAGE

43. UNIT 3 DEMINERALIZER ACID AND CAUSTIC TANKS.
44. HAZARDOUS WASTE ACCUMULATION AREA.

With the exception of Fire Hydrant flushings and Demineralized Trailer Drainage, none of the following allowable Non-Stormwater Discharges as stated in Part I.D.1.f of the VPDES permit occur routinely. For location of discharge please orient the activity location on the following drawing.

Discharges from fire fighting activities;
Fire hydrant flushings;
Potable water including water line flushings;
Uncontaminated air conditioning or compressor condensate;
Irrigation drainage;
Landscape watering provided all pesticides, herbicides and fertilizer have been applied in accordance with manufacturer's instructions;
Pavement wash water where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled materials have been removed);
Routine external building wash down which does not use detergents;
Uncontaminated ground water or spring water;
Foundation or footing drains where flows are not contaminated with process materials such as solvents;
Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but not intentional discharges from cooling tower (e.g. 'piped' cooling tower blowdown or drains).

LEGEND

- APPROXIMATE EXTENT OF ABOVEGROUND FUEL OIL PIPING
- FENCE
- RAILROAD SPUR
- EVACUATION ROUTE
- LOCATION OF SPILL RESPONSE EQUIPMENT (SPILL RESPONSE TRAILER)
- LOCATION OF COMMUNICATION EQUIPMENT
- DRAINAGE PIPE
- DRAINAGE DITCH
- DRAINAGE FLOW
- * SPILL LOCATION

0 150 300 600
SCALE IN FEET APPROXIMATE

- VPDES DRAINAGE
- DRAINAGE AREA (APPROXIMATELY 137 ACRES) FOR OUTFALL 010. APPROXIMATELY 5% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 48.40 ACRES) FOR OUTFALL 011. APPROXIMATELY 5% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 5.08 ACRES) FOR OUTFALL 109. APPROXIMATELY 10% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 1.11 ACRES) FOR OUTFALL 112. APPROXIMATELY 5% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 2.77 ACRES) FOR OUTFALL 205. APPROXIMATELY 5% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 0.82 ACRES) FOR OUTFALL 108. APPROXIMATELY 20% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 1.07 ACRES) FOR OUTFALL 110. APPROXIMATELY 15% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 3.18 ACRES) FOR OUTFALL 106. APPROXIMATELY 60% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 0.7 ACRES) FOR OUTFALL 014. APPROXIMATELY 40% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 4.77 ACRES) FOR OUTFALL 008. APPROXIMATELY 30% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 6.54 ACRES) FOR OUTFALL 107. APPROXIMATELY 65% IMPERVIOUS SURFACES.
- DRAINAGE AREA (APPROXIMATELY 11.09 ACRES) FOR OUTFALL 009. APPROXIMATELY 5% IMPERVIOUS SURFACES.
- SHEET FLOW

REV	DATE	DSGN	DRWN	CHKD	DSGN SUPV	LEAD ENGR	CIVIL ENGR	ELEC ENGR	MECH ENGR	ARCH	E.M. ENGR	I&C ENGR
2	REVISED PER ENVIRONMENTAL REDLINE.											
	5/14/2010	-	KTC	BWP	RWM	-	-	-	-	-	-	-
1	ADDED DUMPSTERS, STOCKPILE, LAYDOWN, OUTFALL 011, AND SPILL EVENT LOCATIONS											
	12/29/2009	-	SWC	RAW	-	-	-	-	-	-	-	-
3	REVISED PER ENVIRONMENTAL REDLINE. ADDED "103" AND DRAINAGE NOTES.											
	12/29/2011	-	KTC	RAW	RWM	-	-	-	-	-	-	-

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FOSSIL & HYDRO TECHNICAL SERVICES
RICHMOND, VIRGINIA

SITE PLAN
STORM WATER EXPOSURES
YORKTOWN POWER STATION

DSGN	-----	DSGN SUPV	-----		
DRWN	SWC	ENGR SUPV	-----	DRAWING NUMBER	REV.
CHKD	BWP	LEAD ENGR	-----	YT-0-SP-STA-622	3
DISPL ENGR	-----	SCALE N/A		UNLESS OTHERWISE NOTED	SH 1 OF 1