

# Global Foundries Reports, 3/4/16

PROGRAM	DELIVERABLE TITLE	Internal/External	Report Description/Details
WASTEWATER	NPDES Monthly Discharge Report	VT DEC	Wastewater discharge report submitted monthly: The DMR reports monitoring data for biological/physical characteristics and chemical constituents in discharge as concentrations and pounds (metals, organics, total solids, pH, etc), which are set by the discharge permit monitoring requirements. VT operating Fee = \$15,750 annually.
WASTEWATER	Fourth Quarter Part A and C Sludge Quarterly Report	VT DEC	Reports the type and location of disposal for the sludge solids produced during the wastewater treatment process. Reports on the percent solids and volume of sludge sent to landfill for disposal during the previous quarter.
WASTE	Annual Sludge Disposal Data Report to EPA Region 1 (e-mail is acceptable)	EPA	Volume of sludge disposed in the previous year
AIR	Annual Source Emissions Report		
ALL PROGRAMS	Quarterly Global EHS Metrics	Internal GF	Reporting of a number of environmental and safety parameters: EHS Audits and Inspections, Manufacturing Normalization Index Data, Air Emissions, Wastewater Discharge Volume, Revenue and Cost Avoidance for Waste, Waste Disposal Totals (by category and treatment type), Greenhouse Gas (GHG) Emissions, Violations and Release Data, Government Agency Inspections, Water, Energy, and Fuel Use, & Injury and Illness Data
ALL PROGRAMS	Environmental Performance Database (EPD) Submittal for 2015 IBM Data	Internal IBM	Reporting of a number of environmental parameters: Air Emissions, Toxics Release Inventory (TRI) Data, Chemical Management (Chemical Use and Site Processes, Includes Confirmation of no IBM Banned Chemical Usage), Secondary Containment Systems, Transportation, Environmental Personnel and Costs, Energy Management and Conservation, Waste Management (Disposal Volumes, Facilities, and Methods), Wastewater (Discharge Volumes and Concentrations), Groundwater Treatment
OSPCC	OSPCC plan review and PE certification	Internal	Oil spill prevention and inspections of all oil related equipment and tanks maps and inventory list. Maintained on site, EPA can inspect any time
CHEM MGMT	VT / EPA SARA TIER II Report	VT Emergency Management	VT more restrictive than Federal Gov't & other states. VT requires report for any chemicals stored >100 lbs (vs Federal 10,000 lbs). Required information is extensive & includes: Chemicals' State; Physical & Health Hazards, Max & Avg Daily amounts; all Container Types; Pressure & Temperature storage condition for each container. GF reported on 188 chemicals & included 4 attachments. VT Fee = \$14,645. Significant manpower hours.

CHEM MGMT	EPA SARA TIER II Pesticide Report	VT Emergency Management	Historically have made no report since no pesticides are stored on site (research each year to confirm).
WASTE	International Shipments and Treatability Studies Report	EPA	No international shipments, sent notification that report was not required. Report would include summary of types of waste and volumes exported for disposal
WASTE	Waste Minimization Update	VT DEC	Summary of the hazardous waste and chemical use minimization efforts in the prior year and planned for current year. Reported in pounds reduced/recycled/avoided. Also discusses chemical substitutions with a less toxic material
WASTE	Hazardous Waste Biennial Report to State	VT DEC / EPA	Report includes State and Federally regulated hazardous waste generated, treated, and shipped during the previous year. Includes every hazardous waste stream. Applicable hazardous waste source information, types, minimization efforts, as well as disposal site, method, volume, and treatment method are reported.
WASTE	Submit Notice of Intent to Export Haz Waste – Contaminated Soil and IWTP Sludge	EPA and disposal vendor	back-up for sludge and soil disposal if managed as hazardous waste
WASTEWATER	DMR-QA Study Acceptance Letter		Annual DMR-QA study evaluates the analytical ability of the laboratories that perform self-monitoring analyses required by their NPDES permit.
WASTEWATER	DMR-QA Study Letters sent to Labs		
AIR	Greenhouse Gas Annual Emissions Report - due to EPA electronically		
AIR	Boiler NESHAP Tune-Ups		
CHEM MGMT	ACT 100 - Annual Pollution prevention progress report to the State of VT	VT DEC	3 Year plan for Hazardous wastreams greater than 5% and SARA 313 chemicals with usage greater than 10,000 lbs. Require Annual progress report to track progress made on chemical use reduction and waste min projects. Annual fees of \$400 per wastestream and chemicals in scope upto a max of \$4000/year.
EMS	Management Review Meeting - ISO with VP Site Operations	Internal, supports third party ISO certification	Review with site executive management prior year environmental performance, ISO objective and targets results, continuous improvement plans, current year challenges, plans, and objectives. Requirement of ISO 14001 certification. Determination by management that environmental management system is Suitable, Adequate, and Effective.
EMS	Complete Annual Environmental Aspects Review	Internal, supports third party ISO certification	Required by ISO 14001. Review of current significant environmental aspects against site processes, permits, and regulations to determine if any changes are required.

EMS	Update and Submit Delegation of Authority Letters	VT DEC / internal	Letters outlining management delegations for signing environmental reports, letters, and documents.
WASTE	Closure Plan update to HW Permit	VT DEC	Annual update to hazardous waste facility closure plan
WASTE	Financial Assurance Letter of Credit to State of Vermont	VT DEC	Bank approval for line of credit if site closes
WASTE	Complete and File Previous Years LDAR/Fugitive Emissions Testing Report	Internal, RCRA requirement	Report contains drawings, testing results, calibration records, and monitoring/testing summary sheet of entire site waste solvent testing. Required annually or if any changes
	RATA Pre-Test Protocol Report		
	Boiler Compliance Pre-Test Protocol Report		every 5 yrs on Essex units; next testing due 2019
WASTEWATER	NPDES Monthly Discharge Report	VT DEC	
WASTEWATER	First Quarter Part A and C Sludge Quarterly Report	VT DEC	
AIR	Quarterly CEMS Emissions Report		
WASTE	Annual HW generator fee will be due to the State of Vermont	VT DEC	Annual fee for volume of Hazardous waste generated
AIR	Air Contaminant Source Registration Fee		
ALL PROGRAMS	Quarterly Global EHS Metrics	Internal GF	Reporting of a number of environmental and safety parameters: EHS Audits and Inspections, Manufacturing Normalization Index Data, Air Emissions, Wastewater Discharge Volume, Revenue and Cost Avoidance for Waste, Waste Disposal Totals (by category and treatment type), Greenhouse Gas (GHG) Emissions, Violations and Release Data, Government Agency Inspections, Water, Energy, and Fuel Use, & Injury and Illness Data
WASTEWATER	Schedule Wastewater Holding Tanks Dam Permit Inspection		Annual inspection of two 7.5 million gallon wastewater equalization tanks
CHEM MGMT	EPA Chemical Data Report (CDR) (formerly TSCA Inventory Update Reporting)		Report including chemical imports, reaction byproducts, and waste reclaim material above reporting thresholds that may be introduced into commerce.
AIR	112r Compliance Review and Memo to File		
HAZMAT	Annual Hazmat Security Training		initial, every 2 years thereafter
WASTEWATER	Sludge Management Plan Review/Update		
AIR	Annual RATA Testing		
AIR	Boiler Compliance Testing		every 5 yrs on Essex units; next testing due 2019

CHEM MGMT	EPA SARA Toxics Release Inventory Report	VT DEC / EPA	Evaluation of manufacturing, processing, or otherwise using a large list of chemicals, chemical compounds, and chemical categories against established thresholds. If thresholds are met, the site must report the air emissions, wastewater discharges, on-site treatment, off-site transfers, and maximum daily on-site values for each of the reportable chemicals. The site currently reports on 11 chemicals.
CHEM MGMT	ACT 100 - Pollution Prevention 3 Year Plan to the State of VT		due every three years - 2014, 2017, 2020, etc.
WASTE	Annual renewal of hazardous sludge profile with Waste Management	Internal	Review Sludge profile in the case it goes to hazardous so we have the correct profile on hand
WASTE	PCB Annual report	Internal on file for EPA	Reprt of volume, disposal site, disposal method, certificates of destruction
WASTEWATER	Annual Verification Sampling for Sludge Delisting (two sample sets at least 30 days apart, first sample must be in July, second sample must be in August)		
WASTEWATER	Annual Additional Sludge Sampling for Casella (pH, Free Liquids and % solids)		
WASTEWATER	Full Sludge Analysis of QAPP Table 1 Constituents		every three years starting in 2014
WASTEWATER	Second Quarter Part A and C Sludge Quarterly Report	VT DEC	
WASTEWATER	Verify DMR-QA Study Analysis Results sent to Providers		
AIR	Quarterly CEMS Emissions Report		
EMS	ISO Awareness Training to Significant Dept/Personnel and Contractors	Internal, supports third party ISO certification	Training for employees and contractors that can have a significant impact on the achievement of the site's ISO 14001 environmental objectives and targets. Requirement of ISO 14001 certification.
WASTEWATER	Wastewater Holding Tanks Dam Permit Inspection Report		
ALL PROGRAMS	Quarterly Global EHS Metrics	Internal GF	Reporting of a number of environmental and safety parameters: EHS Audits and Inspections, Manufacturing Normalization Index Data, Air Emissions, Wastewater Discharge Volume, Revenue and Cost Avoidance for Waste, Waste Disposal Totals (by category and treatment type), Greenhouse Gas (GHG) Emissions, Violations and Release Data, Government Agency Inspections, Water, Energy, and Fuel Use, & Injury and Illness Data
WASTEWATER	Annual Verification Sampling for Sludge Delisting (two sample sets at least 30 days apart, first sample must be in July, second sample must be in August)		
WASTEWATER	DMR-QA Study Analysis Results sent to EPA Coordinator		
AIR	Annual Boiler CEMS QA Plan Update		every two years
HAZMAT/DOT	DOT required Training	DOT	DOT shipping training for any employee on site who does or could do DOT required shipping of any materials

WASTE	Annual LDAR/Fugitive Emissions Testing	EPA	all points must be tested within one 7 calendar day block. Hire vendor as well as in house testing of all solvent waste pumps, valves, and fittings from tool all the way to waste tanks
WASTEWATER	Annual wastewater discharge fee will be due to the State of Vermont		Annual fee for permitted discharge volume of wastewater and stormwater. VT operating Fee = \$15,750 annually.
WASTE	Annual Verification Sampling Report for Sludge Delisting	EPA	Annual required testing of sludge to verify it is non-hazardous
AIR	AEC Pre-Stack Testing Protocol Report		
WASTEWATER	Address any non-acceptable data from DMR-QA Study Analysis Results with EPA Coordinator		
WASTEWATER	Third Quarter Part A and C Sludge Quarterly Report	VT DEC	
WASTEWATER	Annual Notice of Intent for Stormwater – NPDES Permit		
ALL PROGRAMS	Quarterly Global EHS Metrics	Internal GF	Reporting of a number of environmental and safety parameters: EHS Audits and Inspections, Manufacturing Normalization Index Data, Air Emissions, Wastewater Discharge Volume, Revenue and Cost Avoidance for Waste, Waste Disposal Totals (by category and treatment type), Greenhouse Gas (GHG) Emissions, Violations and Release Data, Government Agency Inspections, Water, Energy, and Fuel Use, & Injury and Illness Data
WASTEWATER	Annual sampling plan	Internal GF	Review and update of the yearly wastewater sampling plan (both required and additional sampling) based on the NPDES Permit and corporate requirements
WASTEWATER	Annual Update: Facility List of Certified Wastewater Operators to State	VT DEC	Updated list of certified wastewater operators working at the wastewater treatment facility sent to the state annually
WASTE	Annual Waste Characterizations	Internal	Characterization of all waste streams to verify correct disposal methods and codes. All Waste streams are done at a minimum of every three years, or if there are any known changes to the waste stream. Many are done annually. Characterizations are done based on sampling, generator knowledge, and chemical SDS sheets
WASTE	Review/Update Decon/Containment Building Notification Letter to State	Internal	Decon facility on site. Only required if changes are implemented
WASTE	RCRA Annual Training	Internal	Annual RCRA training above and beyond Hazwoper refresher
WASTE	Annual Accumulation Area Training	Internal	Annual accumulation area training for accumulation are owners
AIR	AEC Stack Testing		
WASTEWATER	SWPP annual review		Annual review of all storm drains and stormwater treatment systems