SECTION 16

GLOSSARY

Acid Cleaning. Treatment of steel surfaces with relatively mild acid solutions for purposes of removing surface dirt and light oxide coatings. Scale and/or heavy oxide removal is considered acid pickling (see below). Acid cleaning operations are typically conducted for surface preparation prior to application of hot dip or electrolytic metal coating and after cold forming and annealing operations.

Acid Pickling. Scale and/or oxide removal from steel surfaces using relatively strong acid solutions. Acid pickling operations are typically conducted after hot forming operations and prior to subsequent steel finishing operations (e.g., cold forming, annealing, alkaline cleaning, metal coatings).

Acid Regeneration. Treatment of spent acid solutions by thermal and/or chemical means to produce usable acid solutions and iron-rich by-products.

Act. The Clean Water Act.

Administrator. The Administrator of the U.S. Environmental Protection Agency.

Agency. U.S. Environmental Protection Agency (also referred to as “EPA”).

Agglomeration. The process of binding materials. See definitions for briquetting, nodulizing, pelletizing, and sintering.

Alkaline Cleaning. Application of solutions containing caustic soda, soda ash, alkaline silicates, or alkaline phosphates to a metal surface primarily for removing mineral deposits, animal fats, and oils.

Alloy. A substance that has metallic properties and is composed of two or more chemical elements of which at least one is a metal.

Alloy Steel. Steel is classified as alloy when the maximum of the range given for the content of alloying elements exceeds one or more of the following: manganese, 1.65%; silicon, 0.60%; copper, 0.60%; or in which a definite range or a definite minimum quantity of any of the following elements is specified or required within the limits of the recognized field of constructional alloy steels: aluminum, boron, chromium (less than 10%), cobalt, lead, molybdenum, nickel, niobium (columbium), titanium, tungsten, vanadium, zirconium, or any other alloying element added to obtain a desired alloying effect.

Alloying Materials. Additives to steelmaking processes for improving the properties of the finished products. Chief alloying elements in medium alloy steels are: nickel, chromium, manganese, molybdenum, vanadium, silicon, and copper.

Alternate Effluent Limitations to Those Representing the Degree of Effluent Reduction Attainable by the Application of Best Practicable Control Technology Currently Available, Best Available Technology, and Best Conventional Technology, 40 CFR 420.03. Section 420.03 (commonly known as the "water bubble" rule) provides a regulatory flexibility mechanism whereby a discharger with multiple outfalls or NPDES permit compliance points may discharge greater quantities of pollutants from outfalls where treatment costs may be high in exchange for a larger decrease in discharges from outfalls at the same plant where treatment costs may be less. The regulation stipulates that only intraplant trades and no interplant trades are allowed; that only like pollutants can be traded (e.g., zinc for zinc, not zinc for lead or ammonia-N); that minimum net reductions of 10% for toxic and non-conventional pollutants and 15% for conventional pollutants must be achieved; and, that trades within certain subcategories (i.e., cokemaking and cold forming) are restricted.

Ammonia Liquor (or Flushing Liquor). An aqueous solution used to condense moisture and tars from coke oven gas derived from coals charged to a by-product recovery coke oven battery. Excess ammonia liquor, or waste ammonia liquor, is flushing liquor rejected from the flushing liquor recirculating loop through the coke oven gas collecting mains and the coal tar decanter, and generally comprises the free and bound moisture contained in the coal charge to the by-product coke ovens. Weak ammonia liquor is ammonia liquor that has been processed in a free or fixed ammonia distillation column (ammonia still) for ammonia recovery to the coke oven gas stream prior to recovery of ammonium sulfate, anhydrous ammonia, or other by-product ammonium compounds.

Ammonia Still. A steam-stripping column in which ammonia and acid gases (hydrogen cyanide, hydrogen sulfide) are removed from waste ammonia liquor and other ammonia-containing wastewaters. A "free" still operates with steam only, with no alkali addition, to remove ammonia and acid gases. A "fixed" still is similar to a "free" still except lime, or more commonly sodium hydroxide, is added to the liquor to liberate ammonia from its compounds so it can be steam stripped.

Angle. A very common structural or bar shape with two legs of equal or unequal length intersecting at 90°.

Annealing. A heat treatment process in which steel is exposed to an elevated temperature in a controlled atmosphere for an extended period of time and then cooled. Annealing is performed to relieve stresses; increase softness, ductility, and toughness; and/or to produce a specific microstructure in the steel.

Argon Bubbling. Injection of argon into molten metal for rapid and uniform mixing of alloys, temperature homogenization, adjustment of chemical composition, and partial removal of non-metallic inclusions. Argon bubbling methods include argon stirring, trimming, and rinsing.

Argon/Oxygen Decarburization (AOD). A process by which an electric arc furnace heat is decarburized by blowing argon and oxygen into the steel at varying ratios.

AWQC. Ambient Water Quality Criteria.

Baghouse. A dry air pollution control device comprising an enclosure containing multiple fabric filter elements (bags) for removal of particulate matter from gas streams.

Bar. Produced from ingots, blooms, or billets covering the following range: Rounds, 3/8 to 8-1/4 inches inclusive; Squares, 3/8 to 5-1/2 inches; Round-cornered squares, 3/8 to 8 inches inclusive; Hexagons, 1/4 to 4-1/16 inches inclusive; Flats, 13/64 inches and over in specified thicknesses and not over 6 inches specified width.

Basic Oxygen Furnace (BOF). Pear-shaped, refractory-lined vessel used for conversion of a charge of molten iron and steel scrap into molten steel by the injection of high pressure oxygen into the furnace bath.

Basic Oxygen Furnace (BOF) Shop. A building or structure containing one or more basic oxygen furnaces and ancillary processes and equipment (e.g., hot metal desulfurization; hot metal charging; scrap charging; oxygen and flux additions; furnace tapping; ladle preparation; deslagging and slag handling; and primary and secondary air emission control equipment).

Basic Oxygen Steelmaking. The basic oxygen process is carried out in a basic lined furnace which is shaped like a pear. High pressure oxygen is blown vertically downward on the surface of the molten iron through a water cooled lance.

BAT. Best available technology economically achievable, as defined by section 304(b)(2)(B) of the Clean Water Act. See also Effluent Limitations Guidelines and Standards.

Battery. See By-Product Coke Battery.

BCT. Best conventional pollutant control technology, as defined by section 304(b)(4) of the Clean Water Act. See also Effluent Limitations Guidelines and Standards.

Beam. A member of the structural steel family. Beams come in three varieties: the standard H, I, and the wide flange used for weight supporting purposes.

Billet. A semi-finished piece of steel formed by casting or from hot rolling an ingot or a bloom. It may be square, but is never more than twice as wide as thick. Its cross-sectional area is usually not more than 36 square inches.

Blast Cleaning. Abrasive grit blasting of steel to remove scale; used in place of or in combination with acid pickling.

Blast Furnace. A large conical-shaped furnace used to reduce and melt iron-bearing materials to molten iron as the primary product. By-products include combustible blast furnace gas and blast furnace slag.

Blast Furnace Charge. The raw materials added to the blast furnace which react when heated to produce molten iron. The principal raw materials charged to blast furnaces include coke, limestone, beneficiated iron ores, and sinter.

Blast Furnace Gas Seals. Water-flooded seals located on a blast furnace gas main for collection and removal of blast furnace gas condensate from the blast furnace gas main. Blast furnace gas seal water is contaminated with pollutants associated with blast furnace operations (e.g., ammonia-N, cyanide, phenolic compounds).

Bloom. A semi-finished piece of steel formed by casting or from hot rolling or forging of an ingot. A bloom is square or not more than twice as wide as thick. Its cross-sectional area is usually not less than 36 square inches.

Blowdown. The partial discharge of water from a recirculating process or cooling water system for purposes of correcting hydraulic imbalances in the recirculating system or to control concentrations of substances in the recirculating water.

BMP. Best management practices, as defined by section 304(e) of the Clean Water Act or as authorized by section 402 of the Clean Water Act.

BOD_5. Five-day biochemical oxygen demand. A measure of biochemical decomposition of organic matter in a water sample. It is determined by measuring the dissolved oxygen consumed by microorganisms to oxidize the organic contaminants in a water sample under standard laboratory conditions of five days and 20°C. BOD_5 is not related to the oxygen requirements in chemical combustion.

BPT. Best practicable control technology currently available, as defined by section 304(b)(1) of the Clean Water Act. See also Effluent Limitations Guidelines and Standards.

Briquetting. A process for agglomerating or forming materials into discrete shapes of sufficient size, strength, and weight for charging to a subsequent process (e.g., briquetting wastewater sludges for charging to a blast furnace).

Building Evacuation. Control of process and fugitive air emissions from an entire building (e.g., total building evacuation for an electric furnace shop).

Butt-Welded Pipe/Tube. A continuous strip of hot-rolled skelp which is heated, formed into a circular shape, and then welded to form the pipe or tube.

BV. Baseline value as defined in Section 4.

By-Product Coke Battery. A coke-producing unit comprised of numerous adjoining, refractory-lined, slot-type ovens; coal charging and coke pushing facilities; coke quench stations; and coke oven gas collecting mains.

By-Product Cokemaking. Process in which coal is distilled at high temperatures in the absence of air to produce coke and recover the volatile compounds as by-products (e.g., crude coal tar, crude light oil).

CAA. Clean Air Act (42 U.S.C. 7401 *et seq*., as amended *inter alia* by the Clean Air Act Amendments of 1990 (Pub. L. 101-549, 104 stat. 2394)).

Carbon Steel. Steel which owes its properties chiefly to various percentages of carbon without substantial amounts of other alloying elements. Steel is classified as carbon steel when no minimum content of elements other than carbon is specified or required to obtain a desired alloying effect and when the maximum content for any of the following do not exceed the percentage noted: manganese, 1.65%; silicon, 0.60%; copper, 0.60 percent.

Cast Iron. The metallic product obtained by reducing iron ore with carbon at a temperature sufficiently high to render the metal fluid and casting it in a mold.

Casting. (1) A term applied to the act of pouring molten metal into a mold. (2) The metal object produced by such pouring.

Categorical Pretreatment Standards. Standards for discharges of pollutants to POTWs promulgated by EPA, in accordance with Section 307 of the Clean Water Act, that apply to specific process wastewater discharges from particular industrial categories (40 CFR 403.6 and 40 CFR 405 - 471).

CBI. Confidential Business Information.

CFR. Code of Federal Regulations, published by the U.S. Government Printing Office. A codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the federal government.

Channels. A common steel shape consisting of two parallel flanges at right angles to the web. It is produced both in bar sizes (less than 3 in.) and in structural sizes (3 in. and over).

Clarifier. A wastewater treatment unit, usually in the form of a circular, cone-bottom steel or concrete tank with a center stilling well and mechanical equipment at the bottom for settling and subsequent removal of suspended solids from the wastewater stream. Clarifiers may also be equipped with surface skimming devices for removal of floating materials and oil.

Classifier. Mechanical device used for removal of heavy or coarse particulate matter from a wastewater stream.

Coating. The process of covering steel with another material, primarily for corrosion resistance.

COD. Chemical oxygen demand. A nonconventional, bulk parameter that measures the oxygen-consuming capacity of refractory organic and inorganic matter present in water or wastewater. COD is expressed as the amount of oxygen consumed from a chemical oxidant in a specific test (see Method 410.1).

Coil. Steel sheet that is wound, usually rolled in a hot-strip mill. Coils are typically more than one-quarter mile long; coils are the most efficient way to store and transport sheet steel.

Coke. The carbon product resulting from the high temperature distillation of metallurgical coals in by-product or non-recovery coke ovens.

Coke Breeze. Undersized coke particles (also referred to as coke fines) recovered from coke screening operations and coke quenching stations. Coke breeze may be used as fuel in sintering operations or may be sold as a by-product.

Coke Oven Gas. Hot gas released in the coke ovens, containing water vapor, hydrogen, methane, nitrogen, carbon monoxide, carbon dioxide, hydrocarbons. Also contains contaminants that may be recovered as by-products: tar vapors, light oil vapors (aromatics), consisting mainly of benzene, toluene and xylene, naphthalene vapor, ammonia gas, hydrogen sulfide gas, and hydrogen cyanide gas.

Coke Pushing. The transfer of hot coke from coke ovens into quench cars, using pusher-side equipment such as a door remover and pusher.

Coke Quenching. Rapid cooling of hot coke using water.

Cold Forming. Also known as cold working; a forming operation in which the shape of the metal piece is changed by plastic deformation at a temperature below that at which recrystallization occurs. The plastic deformation can be effected by forging, rolling, extrusion, or drawing.

Cold Rolled Products. Flat-rolled products which have been finished by rolling the piece without heating (at approximately ambient temperature).

Continuous Casting. The process of casting liquid steel directly into semi-finished shapes such as slabs, billets, and rounds, thus eliminating ingot casting and associated ingot stripping, reheating, and primary rolling operations.

Contract Haul. Collection of wastewater or sludge by a private disposal service, scavenger, or purveyor in containers for subsequent transportation, treatment, and disposal off site.

Control Authority. The term "control authority" as used in section 403.12 refers to: (1) The POTW if the POTW's submission for its pretreatment program (§403.3(t)(1)) has been approved in accordance with the requirements of §403.11; or (2) the approval authority if the submission has not been approved.

Control Water. Dilution water added to control toxicity prior to biological treatment systems.

Conventional Pollutants. The pollutants identified in section 304(a)(4) of the Clean Water Act and the regulations thereunder (i.e., biochemical oxygen demand (BOD_5), total suspended solids (TSS), oil and grease, fecal coliform, and pH).

CWA. Clean Water Act. The Federal Water Pollution Control Act Amendments of 1972 (33 U.S.C. 1251 *et seq*.), as amended, *inter alia*, by the Clean Water Act of 1977 (Public Law 95-217) and the Water Quality Act of 1987 (Public Law 100-4).

Cyanide. Total cyanide.

DCN. Document control number for a specific document located in the rulemaking record

Deep-Well Injection. Long-term or permanent disposal of untreated, partially treated, or treated wastewaters by pumping the wastewater into underground formations of suitable character through a bored, drilled, or driven well.

Dephenolizer. A coke plant by-product recovery unit in which phenol is removed from ammonia liquor and is recovered as sodium phenolate by liquid extraction and vapor recirculation.

Descaling. The process of removing scale from the surface of steel. The most common method of descaling is to crack the scale by use of roughened rolls and a forceful water spray (see also electrolytic and salt bath descaling).

Desulfurization. Processes for removal of sulfur compounds from coke oven gases and molten iron. Coke oven gas desulfurization usually involves scrubbing the sulfur-rich gas stream with an absorbent solution, with subsequent recovery of elemental sulfur from the solution. Hot metal

(molten iron) desulfurization involves treatment of the molten metal with lime, with subsequent collection of sulfur-rich particulate matter in fabric filter emission control devices (baghouses).

Dioxin/furans. Chlorinated dibenzo-*p*-dioxins (CDDs) and chlorinated dibenzofurans (CDFs) are closely related families of highly toxic and persistent organic chemicals formed as unwanted by-products in some commercially significant chemical reactions, during high temperature decomposition and combustion of certain chlorinated organic chemicals, during combustion of natural materials, and through other reactions involving chlorine and organic materials. There are 210 CDD/CDF compounds (or congeners) with four to eight chlorine substitutions. Seventeen (CDD/CDF) congeners chlorinated at the 2,3,7,&8 lateral positions are among the most biologically active and toxic CDDs/CDFs. 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (2,3,7,8-TCDD) is the most toxic of the CDDs/CDFs. The relative toxicity of mixtures of CDDs/CDFs is described through use of International Toxicity Equivalence Factors (I-TEFs/89).

Direct Application (Once-through). In cold rolling, use of water, detergent, rolling oil, or other substance for the removal of loose organic compounds and fines, in which the substance is not recirculated.

Direct Discharger. An industrial discharger that introduces wastewater to a water of the United States with or without treatment by the discharger.

Direct-Reduced Iron (DRI). Relatively pure iron produced by the reduction of iron ore below the melting point of the iron produced. DRI is used as a substitute for scrap steel in electric arc furnace steelmaking to minimize contaminant levels in the melted steel and to allow economic steel production when market prices for scrap are high.

DL. Sample-specific detection limit.

Drawing. A forming operation whereby deformation of the metal is accomplished by pulling the material through a die by means of a tensile force applied on the exit side.

Dry Air Pollution Control Equipment. Control equipment in which gases are cleaned without the use of water.

DSCFM. Dry standard cubic feet per minute. A standard unit for measuring gas flow.

EAD. EPA's Engineering and Analysis Division.

Effluent Limitations Guidelines and Standards. Regulations promulgated by U.S. EPA under authority of Sections 301, 304, 306 and 307 of the Clean Water Act that set out minimum, national technology-based standards of performance for point source wastewater discharges from specific industrial categories (e.g., iron and steel manufacturing plants). Effluent limitations

guidelines and standards regulations are implemented through the NPDES permit and national pretreatment programs and include the following:

- Best Practicable Control Technology Currently Available (BPT)
- Best Available Technology Economically Achievable (BAT)
- Best Conventional Pollutant Control Technology (BCT)
- New Source Performance Standards (NSPS)
- Pretreatment Standards for Existing Sources (PSES)
- Pretreatment Standards for New Sources (PSNS)

The pretreatment standards (PSES, PSNS) are applicable to industrial facilities with process wastewater discharges to publicly owned treatment works (POTWs). The effluent limitations guidelines and new source performance standards (BPT, BAT, BCT and NSPS) are applicable to industrial facilities with direct discharges of process wastewaters to waters of the United States.

Electric Arc Furnace (EAF). A furnace in which steel scrap and other ferrous and nonferrous materials are melted through application of electrical and chemical energy and converted into liquid steel.

Electric-Resistance-Welded Pipe/Tube. Pipe or tube formed from a plate or continuous strip of steel which is formed into a circular shape and welded together by the application of pressure and electrical energy. Heat is generated by the resistance to current flow (either transformed or induced) across the seam during welding.

Electrolytic Descaling. The aggressive physical and chemical removal of heavy scale from semi-finished specialty and high-alloy steels with molten using electrolytic sodium sulfate solutions.

Electroplating. Operations including application metal coating onto precleaned steel through use of an electric current. Common metal coating types include: chromium and tin. Electroplating improves resistance to corrosion, and for some products, improves appearance and paintability.

Electroslag Remelting (ESR). A specialty steel refining process used to produce ingots with stringent composition requirements. In the process, one or more steel electrodes of about the desired chemical composition are drip-melted through molten slag into a water-cooled copper mold at atmospheric pressure.

Electrostatic Precipitator (ESP). An air pollution control device that imparts an electrical charge on solid particles in the gas stream which are then attracted to an oppositely charged collector plate. The collector plates are intermittently rapped to discharge the collected dust to a hopper below.

End-of-Pipe Treatment (EOP). Refers to those processes that treat a facility waste stream for pollutant removal prior to discharge.

EPA. The U.S. Environmental Protection Agency (also referred to as "the Agency").

Extrusion. A forming operation whereby a material is forced, by compression, through a die orifice.

Filtration. The passage of fluid through a porous medium to remove matter held in suspension.

Final Gas Cooler. A packed tower used for cooling coke oven gas by direct contact with water. The gas is generally cooled to approximately 30°C (86°F) for recovery of light oil.

Finishing. Term used to generically describe steel processing operations conducted after hot forming (e.g., acid pickling, scale removal, cold forming, annealing, alkaline cleaning, hot coating, and electroplating).

Flat Products. Hot-rolled steel products including plate, strip, and sheet, that may or may not be further finished (e.g. cold-rolled or acid pickled).

Flume Flushing. Process by which mill scale collected under hot forming mills and runout tables of continuous casters is transported with water to scale pits for subsequent recovery.

Flushing Liquor. (See ammonia liquor)

Flux. Material added to a blast furnace or steelmaking furnace for the purpose of removing impurities from the molten metal.

Forging. A forming operation in which a metal piece is shaped by hammering.

Forming. Operations in which the shape of a metal piece is changed by plastic deformation. Examples include forging, rolling, extrusion, and drawing.

Foundry Coke. Coke produced for foundry operations.

Four-High Mill. A stand which has four rolls, one above the other. This kind of mill has two working rolls, each of which is stiffened by a larger back-roll. Four high rolls are used only on mills which roll flat products.

FR. Federal Register, published by the U.S. Government Printing Office. A publication making available to the public regulations and legal notices issued by federal agencies.

Free Leg. That section of an ammonia still from which ammonia, hydrogen sulfide, carbon dioxide, and hydrogen cyanide are steam distilled and returned to the gas stream without the addition of an alkaline substance to release free ammonia.

FTE. Full time equivalents (related to the number of employees).

Fugitive Emissions. Emissions that are expelled to the atmosphere in an uncontrolled manner.

Fume Scrubbers. See Wet Scrubbers

Fundamentally Different Factors Variance, CWA Section 301(n). The Administrator, with the concurrence of the State, may establish an alternative requirement under Section 301(b)(2) or Section 307(b) of the Clean Water Act for a facility that modifies the requirements of national effluent limitation guidelines or categorical pretreatment standards that would otherwise be applicable to such facility, if the owner or operator of such facility demonstrates to the satisfaction of the Administrator that the facility is fundamentally different with respect to the factors (other than cost) specified in Section 304(b) or 304(g) and considered by the Administrator in establishing such national effluent limitation guidelines or categorical pretreatment standards.

Furnace Burden. The solid materials charged to a blast furnace comprising coke, iron ore and pellets, sinter, and limestone.

Furnace Coke. Coke produced for blast furnace operations

Galvanizing. Application of zinc to the surface of steel primarily for the purpose of corrosion protection. Zinc may be applied by passing precleaned steel through a molten zinc bath (hot dip galvanizing) or electrochemically (electrogalvanizing).

Ground Water. Water in a saturated zone or stratum beneath the surface of land or water.

Hardness. Defined in terms of the method of measurement. (1) Usually, the resistance to dentation. (2) Stiffness or temper of wrought products. (3) Machinability characteristics.

Hazardous Waste. Any material that meets the Resource Conservation and Recovery Act definition of “hazardous waste” contained in 40 CFR Part 261.

Hearth. In a reverberatory furnace, the portion that holds the molten metal or bath.

Heat. Quantity of steel manufactured per batch in a BOF or an EAF.

Hexane Extractable Material (HEM). A method-defined parameter (EPA Method 1664) that measures the presence of relatively nonvolatile hydrocarbons, vegetable oils, animal fats, waxes, soaps, greases, and related material that are extractable in the solvent n-hexane. This parameter does not include materials that volatilize at temperatures below 85ºC. EPA uses the term “HEM” synonymously with the conventional pollutant oil and grease (O&G).

Hot Blast. Preheated air blown into the blast furnace through a bustle pipe and numerous tuyeres located around the circumference of the furnace. Temperatures are in the range of 550°C to 1,000°C, and pressures are in the range of 2 to 45 atmospheres.

Hot Coating (Hot Dip Coating). Operations including immersion of precleaned steel into baths of molten metal. Common metal types include: tin, zinc (galvanizing), combinations of lead and tin (terne coating), and combinations of aluminum and zinc (galvalume® coating). Hot coating is typically used to improve resistance to corrosion, and for some products, to improve appearance and paintability.

Hot Forming. Also known as hot working; a forming operation in which the shape of the metal piece is changed by plastic deformation at a temperature above that at which recrystallization occurs. The plastic deformation can be effected by forging, rolling, extrusion, or drawing.

ICR. Information Collection Request.

Incineration. A controlled combustion process most commonly used for destruction of solid, liquid, or gaseous wastes.

Indirect Discharge. An industrial discharger that introduces wastewater into a POTW.

Ingot. A large block-shaped steel casting. Ingots are intermediates from which other steel products are made. When continuous casters are not used, an ingot is usually the first solid form the steel takes after it is made in a furnace.

Ingot Mold. Cast iron molds into which molten steel is teemed. After cooling, the mold is stripped from the solidified steel which is then re-heated in soaking pits (gas or oil-fired furnaces) prior to primary rolling into slabs or billets. Molds may be circular, square, or rectangular in shape, with walls of various thickness. Some molds are of larger cross section at the bottom, other are larger at the top.

Integrated Steel Mill. Mills that make steel by processing iron ore and other raw materials in blast furnaces and basic oxygen furnaces, rather than electric arc furnaces as at non-integrated mills, or mini-mills.

Iron. Primarily the name of a metallic element. In the steel industry, iron is the name of the product of a blast furnace containing 92 to 94% iron, the product made by the reduction of iron ore. Iron in the steel mill sense is impure and contains up to 4% dissolved carbon along with other impurities.

Iron and Steel Coke Plant. By-product cokemaking operations which provide more than fifty percent of the coke produced to ironmaking blast furnaces associated with steel production.

Iron Ore. The raw material from which iron is made. It is primarily iron oxide with impurities such as silica.

Ironmaking. The production of iron made by the reduction of iron ore. In the U.S. iron is made in blast furnaces.

Ladle. A large vessel into which molten metal or molten slag is received and handled.

Ladle Metallurgy. A secondary step in the steelmaking process usually performed in a ladle after the initial refining process in a steelmaking furnace (i.e., BOF, EAF) is complete. Ladle metallurgy is conducted for one or more of the following purposes: to control gases in the steel; to remove, add, or adjust concentrations of metallic or non-metallic compounds (alloying); and to adjust physical properties (e.g., temperature).

Landfill Leachate. Water or ground water collected from that portion of a solid or hazardous waste landfill containing disposed solid or hazardous wastes.

Larry Car. A movable device located on top of a coke battery for receiving and charging screened coal to coke ovens through charging holes located at the top of the ovens.

Light Oil. An unrefined, clear, yellow-brown oil with an approximate specific gravity of 0.889 produced as a by-product of by-product cokemaking operations. It contains varying amounts of coal-gas products with boiling points ranging from about 40°C to 200°C and from which benzene, toluene, xylene, and solvent naphthas are recovered.

Lime. Calcium oxide (CaO), produced by burning limestone (principally comprised of calcium carbonate ($CaCO_3$)) in a lime kiln. Lime is used as a flux (slagging agent) in BOF and EAF steelmaking; limestone is used as a flux in blast furnaces for production of molten iron.

LTA. Long-term average. For purposes of the pretreatment standards, average pollutant levels achieved over a period of time by a facility, subcategory, or technology option.

Merchant Coke Plant. By-product cokemaking operations other than those at iron and steel coke plants.

µg/L. Micrograms/liter.

mg/L. Milligrams/liter.

Microcleanliness. An end result of secondary steelmaking processes which is characterized by a removal of undesirable non-metallics, primary oxides, and sulfides from the molten steel.

Mill Scale. The iron oxide scale which breaks off of heated steel as it passes through a rolling mill. The outside of the piece of steel is generally completely coated with scale as a result of being heated in an oxidizing atmosphere.

Mini-Mill. See Non-Integrated Steel Mill.

Minimum Level (ML). The lowest concentration that can be reliably measured by an analytical method.

Modifications for Certain Non-conventional Pollutants, CWA Section 301(g). The Administrator, with the concurrence of the State, may modify the requirements of Section 301(b)(2)(A) of the Clean Water Act with respect to the discharge from any point source of ammonia, chlorine, color, iron, and total phenols (4AAP) (when determined by the Administrator to be a pollutant covered by Section 301(b)(2)(F)) and any other pollutant which the Administrator lists under 301(g)(4). In the iron and steel industry, variances under Section 301(g) have been granted for discharges of ammonia-N and phenols (4AAP) from cokemaking and ironmaking operations. The variances granted under Section 301(g) must meet certain conditions (e.g., the alternative discharges from BAT must meet local water quality standards, cannot be less stringent than BPT, must not result in more stringent controls on other dischargers, and must satisfy other environmental and human health concerns).

Mold. A form or cavity into which molten metal is poured to produce a desired shape. See ingot molds.

Multiple Stand (Multi Stand). A type of cold rolling stand which has greater than one roll, one above the other, used on flat products.

NC. Non-censored.

NESHAP Control for Benzene. The National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations set out at 40 CFR 61, Subpart J (6/6/89), Subpart L (9/14/89), Subpart BB (3/7/90), and Subpart FF (3/7/90).

Noncontact Cooling Water. Water used for cooling in process and nonprocess applications which does not come into contact with any raw material, intermediate product, by-product, waste product (including air emissions), or finished product.

Nonconventional Pollutants. Pollutants other than those defined specifically as conventional pollutants (identified in section 304(a) of the Clean Water Act) or priority pollutants (identified in 40 CFR Part 423, Appendix A).

Nondetect Value (ND). Samples below the level that can be reliable measured by an analytical method. This is also known, in statistical terms, as left-censored (i.e., value having an upper bound at the sample-specific detection limit and a lower bound at zero).

Non-Integrated Steel Mill (Mini-Mill). Steel mills that melt scrap metal in an electric arc furnace to produce commodity products.

Nonrecovery Cokemaking. Production of coke from coal in which volatile components derived from the coal are consumed in the process and by-products are not recovered.

NPDES Program. The National Pollutant Discharge Elimination System (NPDES) program authorized by Sections 307, 318, 402, and 405 of the Clean Water Act which applies to facilities that discharge wastewater directly to United States surface waters.

NRDC. Natural Resources Defense Council.

NSPS. New source performance standards, under section 306 of the Clean Water Act. See also Effluent Limitations Guidelines and Standards.

Oil and Grease (O&G). A method-defined parameter (EPA Method 413.1) that measures the presence of relatively nonvolatile hydrocarbons, vegetable oils, animal fats, (EPA nitrous 413.1) waxes, soaps, greases, and related materials that are extractable in Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane). This parameter does not include materials that volatilize at temperatures below 75ºC. Oil and grease is a conventional pollutant as defined in section 304(a)(4) of the Clean Water Act and in 40 CFR Part 401.16. Oil and grease is also measured by the hexane extractable material (HEM) method (see Method 1664, promulgated at 64 FR 26315; May 14, 1999). The analytical method for TPH and oil and grease has been revised to allow for the use of normal hexane in place of Freon 113, a chlorofluorocarbon (CFC). Method 1664 (Hexane Extractable Material) replaces the current oil and grease Method 413.1 found in 40 CFR 136.

Oil Skimmer. A device which skims the top surface of wastewater for the purpose of removing floating oil.

Open Hearth Furnace. A furnace for melting metal, in which the bath is heated by the convection of hot gases over the surface of the metal and by radiation from the roof.

OSW. EPA's Office of Solid Waste.

Oxidization. A chemical treatment which increases the positive valences of a substance. In a limited sense, adding oxygen to a substance, as in oxidizing C to CO, CO to CO_2, Si to SiO_2, Mn to MnO.

Pig Iron. Iron cast into the form of small blocks that weigh about 30 kilograms (kg) each. The blocks are called pigs.

Pipe. A hollow, cylindrical product distinguished from tube by heavier wall thickness. Pipe is usually measured by its inside diameter. Tube is generally measured by outside diameter.

Plant Service Water. City, well, or surface water which has not been used elsewhere on site (i.e., water prior to its use in a process or operation).

Plate. A flat-rolled finished steel product within the following size and/or weight limitations:

Width	Thickness
over 48 inches wide	0.180 inches or thicker
between 8 and 48 inches inclusive	0.230 inches or thicker
over 48 inches wide	7.53 lb/sq ft or heavier
between 8 and 48 inches inclusive	9.62 lb/sq ft or heavier

POC. Polluant of concern.

Pollution Prevention. The use of materials, processes, or practices that reduce or eliminate the creation of pollutants or wastes. It includes practices that reduce the use of hazardous and nonhazardous materials, energy, water, or other resources, as well as those practices that protect natural resources through conservation or more efficient use. Pollution prevention consists of source reduction, in-process recycle and reuse, and water conservation practices.

Polychlorinated Biphenyl (PCB) Compounds. Any of a family of halogenated aromatic hydrocarbons that were produced and marketed in the United States as a series of complex mixtures under the trade name Aroclor; any specific chemical included within the following Chemical Abstracts Service Registry Numbers: 1336-36-3 (total PCBs), 12674-11-2 (Aroclor 1016), 11104-28-2 (Aroclor 1221), 11141-16-5 (Aroclor 1232), 53469-21-9 (Aroclor 1242), 12672-29-6 (Aroclor 1254), or 11096-82-5 (Aroclor 1260), see 40 CFR 302; or, any of 209 synthetic congeners of biphenyl with 1 to 10 chlorine substitutions.

Potable Water. Water which can be consumed; drinking water.

Press Forging. The forging process in which metal stock is formed between dies, usually by hydraulic pressure. Press forging is an operation that employs a single, slow stroke. Compare with hammer forging.

Priority Pollutants. The 126 toxic pollutants listed in 40 CFR Part 423, Appendix A.

Privately Owned Treatment Works (PrOTW). Any device or system owned and operated by a private entity and used for storage, treatment, recycling, or reclamation of liquid industrial wastes.

Process Wastewater. Any water which, during manufacturing or processing, comes into direct contact with or results from the storage, production, or use of any raw material, intermediate product, finished product, by-product, or waste product. Wastewater from slag quenching, equipment cleaning, direct-contact air pollution control devices, rinse water, storm water associated with industrial activity, and contaminated cooling water are considered process wastewater. Process wastewater may also include wastewater that is contract hauled for off-site disposal. Sanitary wastewater, uncontaminated noncontact cooling water, and storm water not associated with industrial activity are not considered process wastewater.

PSES. Pretreatment standards for existing sources of indirect discharges, under section 307(b) of the Clean Water Act. See also Effluent Limitations Guidelines and Standards.

PSNS. Pretreatment standards for new sources of indirect discharges, under sections 307(b) and (c) of the Clean Water Act. See also Effluent Limitations Guidelines and Standards.

Publicly Owned Treatment Works (POTW). Any device or system owned and operated by a public entity and used in the storage, treatment, recycling, or reclamation of liquid municipal sewage and/or liquid industrial wastes. The sewerage system that conveys wastewaters to treatment works is considered part of the POTW.

QA/QC. Quality Assurance/Quality Control.

QC. Quality Control.

Quality. Refers to the suitability of the steel for the purpose or purposes for which it is intended.

Quenching. A process of rapid cooling from an elevated temperature by contact with liquids, gases, or solids.

Recirculation. In cold rolling, use and recirculation of water, detergent, rolling oil, or other substance for the removal of loose organic compounds and fines.

Reduction. A chemical treatment which decreases the positive valences of a substance. In a limited sense, removing oxygen from a substance, as in reducing CO to C, CO_2 to CO, SiO_2 to Si, MnO to Mn.

Refining. Oxidation cycle for transforming hot metal (iron) and other metallics into steel by removing elements present, such as silicon, phosphorus, manganese, and carbon.

Reheat Furnace. A gas-fired, refractory-lined furnace used for heating steel shapes for subsequent hot forming operations.

Rod. A hot-rolled steel section, usually round in cross-section, produced as a final product or as an intermediate product for subsequent production of wire and wire products.

Rolling. A forming operation that reduces the thickness of a metal piece by passing it between two or more rolls.

Roughing Stand. The rolls used for breaking down the ingot, billet, or slab in the preliminary rolling of metal products.

Runout Table. Area of a hot strip mill located after the finishing stands and before the coilers where laminar-flow cooling is applied to the strip. Generally, for any hot forming mill, this area of the mill is downstream of the last stand of work rolls. For continuous casters, this area of the process is after the torch cut-off.

Salt Bath Descaling. The aggressive physical and chemical removal of heavy scale from semi-finished specialty and high-alloy steels with molten salt baths or solutions containing neutral or acidic salts.

Scale. Iron oxides which form on the surface of hot steel when the steel is exposed to an oxidizing atmosphere.

Scale Pit. An in-ground rectangular (and in some instances, circular) basin constructed of concrete for recovery of scale from process wastewaters used in hot forming and continuous casting operations. Collected scale is mechanically removed and recovered for recycle through a sinter plant or for sale as a by-product.

Scarfing. Removal of imperfections on the surface of semi-finished steel shapes by the use of oxygen/acetylene torches.

Scrap. Iron or steel discard, cuttings, or junk metal, which can be reprocessed.

Seamless Pipe/Tube. Tubular product produced by piercing (a hot forming process), which is followed by further processing to achieve correct wall and size dimensions, or by extrusion for small diameter products.

Secondary Steelmaking. The practice of redistributing steel that does not meet the original customer's specifications because of a defect in its chemistry, gauge or surface quality. Some steel users may accept lower quality, off-spec steel, usually at a lower price.

Semi-Finished Shapes. Steel in the form of ingots, blooms, billets, or slabs for forging or rolling into a finished product.

Semi-Wet Air Pollution Control Equipment. A gas cleaning system in which furnace off-gases are conditioned with moisture prior to processing in electrostatic precipitators or baghouses.

Sendzimir Mill. Type of cold rolling mill used to finish hot-rolled strip to a specific width, thickness, and hardness.

Shear. In a steel mill, a machine for cutting steel products. Steel shears may be classified: as to kind of drive - hydraulic and electric; as to the work done - cropping, squaring, slab, bloom, billet, bar shears; as to type of mechanism - rotary, rocking, gate, guillotine, alligator shears; as to movement of work while shearing - flying shears.

Sheet. Steel produced in coils or in cut lengths within the following size limitations:

Width	Thickness
between 12 and 48 inches inclusive	0.1800 to 0.2299 inch
over 12 inches	0.0449 to 0.1799 inch

SIC. Standard Industrial Classification, a numerical categorization scheme used by the U.S. Department of Commerce to denote segments of industry.

Silica Gel Treated Hexane Extractable Material (SGT-HEM). The freon-free oil and grease method (EPA Method 1664) used to measure the portion of oil and grease that is similar to total petroleum hydrocarbons. (Also referred to as nonpolar material (NPM)).

Single Stand. A type of cold rolling stand which has only one roll, used on flat products.

Sinter. In blast furnace usage, lumpy material which has been prepared from flue dust, other iron-bearing materials, lime, and coke breeze. The dust is agglomerated by heating it to a high temperature. Sinter contains valuable amounts of combined iron.

Sintering. The process of burning a fuel (e.g., coke fines, coke breeze) with limestone fines and a variety of fine iron-bearing materials including iron ore screenings, blast furnace gas cleaning wastewater sludges, and mill scale to form an agglomerated product suitable for charging to a blast furnace. The product is a clinker-like aggregate referred to as sinter or clinker.

Site. A site is generally one contiguous physical location at which manufacturing operations related to the iron and steel industry occur. This includes, but is not limited to, cokemaking, ironmaking, steelmaking, rolling, and finishing. In some instances, a site may include properties located within separate fence lines, but located close to each other.

Skelp. Flat, hot-rolled steel strip or sheet used to manufacture welded pipe or tube products.

Slab. A semifinished block of steel formed from a rolled ingot or manufactured on a continuous slab casting machine, with its width at least twice its thickness.

Slag. Vitrified mineral by-product produced in the reduction of metals from their ores. The principal components of blast furnace slag are oxides of silica and alumina originating chiefly with the iron-bearing materials and lime and magnesia originating with the flux. The major components of steelmaking slags are calcium silicates, lime-iron compounds, and lesser amounts of free lime and magnesia. Usually, slags consist of combinations of acid oxides with basic oxides; neutral oxides are added to aid fusibility.

Sludge Dewatering. The mechanical or natural processes for removal of free water from wastewater sludges. Mechanical equipment used for sludge dewatering may include rotary or leaf vacuum filters, filter presses, or belt filters. Wastewater sludges may be dewatered naturally in sludge drying beds.

Specialty Steel. Steel products containing alloying elements which are added to enhance the properties of the steel product when individual alloying elements (e.g., aluminum, chromium, cobalt, columbium, molybdenum, nickel, titanium, tungsten, vanadium, zirconium) exceed 3% or the total of all alloying elements exceeds 5 percent.

Stainless Steel. A trade name given to alloy steel that is corrosion and heat resistant. The chief alloying elements are chromium, nickel, and silicon in various combinations with possible small percentages of titanium, vanadium, and other elements. By American Iron and Steel Institute (AISI) definition, a steel is called "stainless" when it contains 10% or more chromium.

Steel. A hard, tough metal composed of iron alloyed with carbon and other elements to enhance hardness and resistance to rusting.

Strand. A continuous casting mold and its associated mechanical equipment. Also, a term applied to the traveling grate of the sintering machine.

Stream Degassing. A category of vacuum degassing processes including ladle-to-mold degassing, ladle-to-ladle degassing, and tap degassing.

Strip. Steel produced in coils or in cut lengths within the following size limitations:

Width	Thickness
up to 3-1/2 inches inclusive	0.0255 to 0.2030 inch inclusive
between 3-1/2 and 6 inches inclusive	0.0344 to 0.2030 inch inclusive
between 6 and 12 inches inclusive	0.0449 to 0.2299 inch inclusive

Surface Water. Waters of the United States as defined at 40 CFR 122.2.

Tandem Mill. A mill with a number of stands in succession, generally a cold rolling mill.

Tapping. Process of opening a taphole in a blast furnace to remove hot metal and slag; process of pouring molten steel from a steelmaking furnace into a receiving ladle for transfer to a ladle metallurgy station or continuous caster, or into a teeming ladle for pouring into ingot molds.

Tar. Black, viscous organic matter removed from coke oven gas in recirculating flushing liquor systems in the gas collector mains located on top of the by-product recovery coke battery. Tar is subsequently recovered in a tar or flushing liquor decanter where most of the tar is separated from recirculating flushing liquor by gravity separation.

2,3,7,8-TCDF. 2,3,7,8-Tetrachlorodibenzo-furan.

Technical Development Document (TDD). Development Document for the Proposed Effluent Limitations Guidelines and Standards for the Iron and Steel Point Source Category.

Teeming. Pouring or casting of molten steel from a ladle into cast iron ingot molds of various dimensions for cooling and solidification of the steel.

Temper Mill. Relatively light cold rolling process (< 1% thickness reduction) performed to improve flatness, alter the mechanical properties of the steel, and minimize surface disturbances. Temper mills are usually single-stand mills.

Three-High Mill. A stand which has three rolls, one above the other. The steel which is being rolled passes one way between the bottom and middle rolls, and the other way between the middle and top rolls.

Total Organic Carbon (TOC). A nonconventional bulk parameter that measures the total organic content of wastewater (EPA Method 415.1). Unlike five-day biochemical oxygen demand (BOD_5) or chemical oxygen demand (COD), TOC is independent of the oxidation state of the organic matter and does not measure other organically bound elements, such as nitrogen and hydrogen, and inorganics that can contribute to the oxygen demand measured by BOD_5 and COD. TOC methods utilize heat and oxygen, ultraviolet irradiation, chemical oxidants, or combinations of these oxidants to convert organic carbon to carbon dioxide (CO_2). The CO_2 is then measured by various methods.

Total Petroleum Hydrocarbons (TPH). - A method-defined parameter that measures the presence of mineral oils that are extractable in Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane) and not absorbed by silica gel. The analytical method for TPH and oil and grease has been revised to allow for the use of normal hexane in place of Freon 113, a chlorofluorocarbon (CFC).

Method 1664 (Hexane Extractable Material) replaces the current oil and grease Method 413.1 found in 40 CFR 136. (Also referred to as nonpolar material (NPM)).

Traveling Grate. Part of a sinter machine or other agglomeration process consisting of zones for drying, preheating, combustion, and cooling.

TRC. Total Residual Chlorine.

TSS. Total Suspended Solids.

Tube. A hollow, cylindrical product distinguished from pipe by thinner wall thickness. Tube is usually measured by its outside diameter. Pipe is generally measured by inside diameter.

Tundish. A refractory-lined vessel located between the ladle and the continuous caster. Molten steel is tapped from the ladle to the tundish for the purpose of providing a stable flow of metal into the caster.

Tuyeres. Water cooled openings located around the circumference of a blast furnace at the top of the hearth through which the hot blast enters the furnace.

Two-High Mill. A stand having only two rolls. Some two-high mills are reversing with screw-downs to adjust the rolls; others are one way only and may or may not have screw-downs for roll adjustment and may or may not be a part of a continuous mill.

Utility Operations. The ancillary operations at a steel mill necessary for mill operations, but not part of a production process (e.g., steam production in a boiler house; power generation; boiler water treatment; intake water treatment).

Vacuum Degassing. A process for removing dissolved gases from liquid steel by subjecting it to a vacuum.

Vacuum Ladle Degassing. A variation of vacuum degassing which includes induction stirring and vacuum-oxygen decarburization.

Variability Factor (VF). A variability factor is used in calculating a limitation to allow for reasonable, normal variation in pollutant concentrations when processed through well designed and operated treatment systems. Variability factors account for normal fluctuations in treatment. By accounting for these reasonable excursions about the long-term average, EPA's use of variability factors results in limitations that are generally well above the actual long-term average.

Venturi Scrubber. A wet air pollution control device that operates by causing intermixing of particulates in a gas stream and water applied to the scrubber. The intermixing is accomplished by

rapid contraction and expansion of the gas stream and a high degree of turbulence in the throat of the scrubber.

Vertical Shaft Furnace. A type of furnace used for pelletizing. Unbaked or green balls are charged through the top of the furnace, descend through the furnace countercurrent to the hot gases, and are discharged as pellets. The shaft furnace is well suited for pelletizing magnetite, but not hematite or limonitic materials.

Volatile Organic Compound (VOC). A measure of volatile organic constituents performed by isotope dilution gas chromatography/mass spectrometry (GC/MS), EPA Method 1624. The isotope dilution technique uses stable, isotopically labeled analogs of the compounds of interest as internal standards in the analysis.

Wastewater. See Process Wastewater.

Wastewater Treatment. The processing of wastewater by physical, chemical, biological, or other means to remove specific pollutants from the wastewater stream or to alter the physical or chemical state of specific pollutants in the wastewater stream. Treatment is performed for discharge of treated wastewater, recycle of treated wastewater to the same process which generated the wastewater, or for reuse of the treated wastewater in another process.

Water Bubble. See Alternate Effluent Limitations to Those Representing the Degree of Effluent Reduction Attainable by the Application of Best Practicable Control Technology Currently Available, Best Available Technology, and Best Conventional Technology, 40 CFR 420.03.

Wet Air Pollution Control Equipment. Venturi, orifice plate, or other units used to bring water into intimate contact with contaminated gas for the purpose of contaminant removal from the gas stream.

Wet Precipitator. An air pollution control device that uses a spray water wash to cleanse the fume residue which is collected dry on precipitator plates. Two types of wet precipitators can be used: intermittent (on a timed cycle) or continuous.

Wet Scrubbers. Venturi or orifice plate units used to bring water into contact with dirty gas to remove it from the gas stream.

Wet-Open Combustion Gas Cleaning System. A BOF gas cleaning system in which excess air is admitted to the off-gas collection system, allowing carbon monoxide to combust prior to high-energy wet scrubbing for air pollution control.

Wet-Suppressed Combustion Gas Cleaning System. A BOF gas cleaning system in which the admission of excess air to the off-gas collection system prior to high-energy wet scrubbing for air

pollution control is limited, thus minimizing combustion of carbon monoxide and the volume of gas requiring subsequent treatment.

Windbox. Sintering machine device for drawing air through the sinter strand to enhance the combustion of fuel in the sinter mix.

Wire. Small diameter steel section produced by cold drawing rod through one or more dies.

Zero Discharge or Alternative Disposal Methods. Disposal of process and/or nonprocess wastewaters other than by direct discharge to a surface water or by indirect discharge to a POTW or PrOTW. Examples include incineration, deep well injection, evaporation on slag or coke, and contract hauling.

Appendix A

SURVEY DESIGN AND CALCULATION OF NATIONAL ESTIMATES

APPENDIX A

SURVEY DESIGN AND CALCULATION OF NATIONAL ESTIMATES

In 1998, EPA distributed two industry surveys that were similar in content and purpose. The first survey, entitled U.S. EPA Collection of 1997 Iron and Steel Industry Data (detailed survey), was mailed to 176 iron and steel industry sites. The second survey, entitled U.S. EPA Collection of 1997 Iron and Steel Industry Data (Short Form) (short survey), was mailed to 223 iron and steel industry sites. Both surveys collected detailed technical and financial information from iron and steel industry sites. The short form is an abbreviated version of the detailed survey and was designed for those iron and steel sites that do not have manufacturing processes found only at integrated and non-integrated mills. Section 3 of this document describes these surveys in greater detail.

Section 1 of this appendix describes the sampling plan (identification of facilities in the industry, sample design, selection of the sample, and out-of-scope and nonresponding facilities). Section 2 of this appendix describes the calculation of sample weights. Section 3 of this appendix describes the methodology for estimating national totals and their variance estimates.

1.0 SAMPLING PLAN

This section describes the development of the sampling plan, which includes identification of the iron and steel industry, selection of the facilities to receive the detailed and short surveys, and the treatment of out-of scope and nonresponding facilities.

1.1 Sampling Frame

To produce a mailing list of facilities for the detailed and short surveys, EPA developed a sampling frame of the iron and steel industry. A sampling frame is a list of all members (sampling units) of a population, from which a random sample of members will be drawn for the survey. Therefore, a sample frame is the basis for the development of a sampling plan to select a random sample. Using the sources identified in Table A-1, EPA developed a sample frame of iron and steel facilities and divided it into 12 strata (categories) based on the types of operations conducted at the facility. A sample frame size (N) is the total number of members in the frame. Since the sample frame sufficiently covered the iron and steel population, the frame size gave a good estimate of the population size (total number of elements in the population.)

EPA cross-referenced the sources in Table A-1 with one another to obtain facility level information and to ensure the accuracy and applicability of each facility's information. After removing the duplicate entries, EPA estimated 822 engaged in iron and steel manufacturing. These facilities include some facilities that EPA now proposes to include in the Metal Products and Machinery (MP&M) Category and will be regulated under 40 CFR Part 438.

1.2 Sample Design

To minimize the burden on the respondents to the industry surveys and improve the precision of estimates from the survey, EPA grouped the facilities into 12 strata (categories), with operations in each stratum expected to be similar. In general, the strata were determined by EPA's understanding of the manufacturing processes at each facility. This grouping of similar facilities is known as stratification. Table A-2 describes the stratification of the iron and steel industry. The Agency also developed two "certainty strata," one for the detailed survey and one for the short form (strata 5 and 8, respectively).

EPA selected a stratified random sample using the sampling frame. A stratified random sample separates the eligible population into nonoverlapping strata, that are as homogeneous as possible. Together these strata make up the whole eligible population. A simple random sample is then selected from each stratum.

For the iron and steel industry surveys, there were 12 strata: seven for the detailed survey and five for the short survey. Table A-2 includes the strata descriptions.

1.3 Sample Selection of Facilities

EPA selected 402 facilities out of the 822 facilities identified in the sample frame. Table A-2 provides the frame size and sample size for each of the 12 strata. Depending on the amount/type of information EPA determined it needed for this rulemaking and the number of facilities in a stratum, the Agency either solicited information from all facilities within a stratum (i.e., performed a census) or selected a random sample of facilities within each stratum. EPA sent a survey to all the facilities in strata 5 and 8, determining that it was necessary to capture the size, complexity, or uniqueness of the steel operations present at these sites. EPA also sent surveys to all the facilities in strata 1 though 4 (all cokemaking sites, integrated steel sites, and all sintering and direct reduced iron sites) because the number of sites is relatively low and because of the size, complexity, and uniqueness of raw material preparation and steel manufacturing operations present. EPA statistically sampled the remaining sites in strata 6, 7, and 9 through 12. The sample sizes were determined to detect a relative difference of 30 percent on a proportion of 0.25 with 90 percent confidence for a binary variable (e.g., a yes/no question).[1] EPA used the following formula to calculate the sample size for each stratum:

$$n_h = \frac{Z^2 q/(d^2 p)}{1 + \frac{[Z^2 q/(d^2 p)]}{N_h}} \qquad \text{(A-1)}$$

[1] While many questions are not binary, this is a common assumption used in survey methodology.

where:

n_h	=	Number of samples to be selected from stratum h, and h=1,2,...,12
p	=	True proportion being estimated (assuming to be 0.25)
q	=	1-p
Z	=	Value obtained from the standard normal (Z) distribution. (For 90 percent confidence, this value is 1.645, which is 95th percentile of standard normal distribution.)
d	=	Relative difference (assuming to be 0.3 or 30 percent)
N_h	=	Total number of facilities in stratum h.

1.4 Out-of-Scope Sites and Response Rates

EPA mailed industry surveys to all of the facilities in the sample. After receiving the industry survey, EPA determined that some facilities were "out-of-scope" or "ineligible" because the regulation would not apply to them. After reviewing the survey responses, EPA identified additional ineligible facilities. In all, EPA identified 203 of the 402 sample facilities as ineligible. Over 75 percent of these facilities were ineligible because EPA is proposing that their operations be regulated under the MP&M Category (see Section 1 of this document).

Of the remaining 199 facilities, 188 were eligible respondents, and 11 were nonrespondents (i.e., did not return a survey). The overall unweighted response rate was 94 percent (188/199). Section 2 of this appendix provides detailed facility level response rates by stratum. EPA made a nonrespondent adjustment to the weights, as described in Section 2 of this appendix.

2.0 CALCULATION OF SAMPLE WEIGHTS

This section describes the methodology used to calculate the base weights, non-response adjustments, and the final weights. The base weights and nonresponse adjustments reflect the probability of selection for each facility and adjustments for facility level non-responses, respectively. Weighting the data allows inferences to be made about all eligible facilities, not just those included in the sample, but also those not included in the sample or those that did not respond to the survey. Also, the weighted estimates have a smaller variance than unweighted estimates (see Section 3 of this appendix for variance estimation.) In its analysis, EPA applied sample weights to survey data.

2.1 Base Weights

The base weight assigned to each facility is the reciprocal of the probability that the facility was sampled for the particular stratum. EPA took a census for strata 1 through 5 and stratum 8; thus, the probability of selection for facilities in these strata is one. EPA selected a simple random sample from strata 6 and 7 and strata 9 through 12. The probability of selection for facility *i* from stratum *h* can be written as:

$$PROBSEL_{hi} = \frac{n_h}{N_h} \tag{A-2}$$

where:

i	=	Facility i
h	=	Any of the *h*=1,2,..., 12 strata
n_h	=	Total sample size for stratum *h*
N_h	=	Total frame size for stratum *h*.

The base weight is the inverse of this probability, and for facility *i* in stratum *h* can be written as:

$$BASE\ WEIGHT_h = \frac{1}{PROBSEL_h} = \frac{N_h}{n_h} \tag{A-3}$$

Table A-2 provides the sample size and frame size by stratum. Using stratum 6 from Table 3-1 as an example, the probability of selection for all sampled facilities in stratum 6 would be 40/69=.57971. Thus, the base weight for all facilities in stratum 6 would be 1/.57971=1.725.

2.2 Facility Level Nonresponse Adjustment

EPA made a facility-level nonresponse adjustment to account for those facilities that did not complete the industry surveys. Since the eligibility status of the nonrespondents was unknown, EPA assumed that the eligibility status of the nonrespondents was proportional to the known proportion of eligible respondents and ineligibles.

The facility-level nonresponse adjustment for stratum *h* was calculated as:

$$NRA_h = \frac{n_h}{r_h} \tag{A-4}$$

where:

r_h	=	Number of sample facilities (eligible and ineligible facilities) in stratum h responding to the detailed survey and short survey.

For example, the nonresponse adjustment for stratum 6 can be calculated as follows:

$$NRA_6 = \frac{40}{30 + 9} = \frac{40}{39} = 1.02564 \tag{A-5}$$

Table A-3 provides the response status of the sampled cases and the base weight and facility-level nonresponse adjustment by stratum. There were no eligible respondents in stratum 12; therefore, EPA also assumed the nonrespondents to be ineligible.

2.3 Final Weights

The final facility weight is the product of the base weight and the facility-level nonresponse adjustment. This can be written as:

$$FINALWT_h = BASEWT_h \times NRA_h \qquad \text{(A-6)}$$

Again, using the example from stratum 6, the final facility weight would be:

$$1.725 \times 1.02564 = 1.76923$$

Ineligible facilities also have a base weight and nonresponse adjustments, and thus an associated final weight. However, they represent only other ineligible facilities in this sample frame. Therefore, their contribution to the national estimates are not of interest, and thus their final weights are zeros.

Table A-4 provides the base weight, facility-level nonresponse adjustment factor, and final weight for each facility by stratum.

3.0 ESTIMATION METHODOLOGY

This section presents the general methodology and equations for calculating estimates from the detailed survey and short form sampling efforts.

3.1 National Estimates

For each characteristic of interest (e.g., number of a particular operation using dry air pollution control or annual discharge flow from a particular operation), EPA estimated totals for the entire U.S. iron and steel industry ('national estimates'). Each national estimate, $\hat{Y}_{st}$, was calculated as:

$$\hat{Y}_{st} = \sum_{h=1}^{12} [FINALWT_h \cdot \sum_{i=1}^{n_h} y_{hi}] \qquad \text{(A-7)}$$

where:

h	=	Stratum and *h*=1,2,...12 since there are 12 strata
$FINALWT_h$	=	Final weight for the stratum *h*
y_{ih}	=	ith value from the sample in stratum *h*.

3.2 Variance Estimation

The estimate of the variance for a national estimate can be calculated as follows:

$$\mathrm{Var}(\hat{Y}_{st}) = \sum_{h=1}^{L} \mathrm{FINALWT}_h^2 \cdot \mathrm{FPC}_h \cdot n_h \cdot s_h^2 \qquad \text{(A-8)}$$

where:

$\hat{Y}_{st}$ = National estimate of number of facilities with the characteristic of interest

L = Number of strata (*L*= 12)

$\mathrm{FPC}_h = 1 - \frac{n_h}{N_h}$ (finite population correction for stratum h)

$$s_h^2 = \frac{1}{n_h - 1}\left[\sum_{i=1}^{n_h} (y_{ih} - \bar{y}_h)^2\right]$$

(the estimate of the variance within stratum h where

$\bar{y}_h = \frac{\sum_{i=1}^{n_h} y_{ih}}{n_h}$ is the sample mean of stratum h).

The variance estimates can be used to calculate confidence intervals for the survey estimates. The confidence interval comprises a lower confidence limit and an upper confidence limit. The greater the variance, the wider the interval, and the lower the precision associated with the estimate. A 95-percent confidence interval should be interpreted as follows: If many samples were taken from the population of interest and a confidence interval were calculated from each sample, 95 percent of the confidence intervals would contain the true value of what is being estimated and 5 percent of the confidence intervals would not contain the true value. Thus, a 95-percent confidence interval is interpreted as saying that the true value of the population can be found by the random interval 95 percent of the time. The lower and upper 95-percent confidence limits can be written as:

$$\text{Lower 95-percent confidence limit} = \hat{Y}_{st} - \left(Z \cdot \sqrt{\mathrm{var}(\hat{Y}_{st})}\right) \qquad \text{(A-9)}$$

$$\text{Upper 95-percent confidence limit} = \hat{Y}_{st} + \left(Z \cdot \sqrt{\mathrm{var}(\hat{Y}_{st})}\right) \qquad \text{(A-10)}$$

where:

Z	=	Value obtained from the standard normal (Z) distribution. (For 95-percent confidence interval, this value is 1.96, which is 97.5th percentile of standard normal distribution.)[2]

When comparing estimates, if the confidence intervals overlap, there is no statistically significant difference between the two estimates.

4.0 REFERENCES

A-1 Cochran, William G. Sampling Techniques, 3rd Ed. New York: John Wiley and Sons, Inc., 1977.

A-2 SAS®, The SAS System, SAS Institute Inc.

[2]When the national estimate is based on a sample size of less than 30, the appropriate value from the t distribution is used instead of $Z_{0.025}$ for calculating the upper and lower confidence limits.

Table A-1

Sources Used For Development of Sample Frame

1	Association of Iron and Steel Engineers' 1997 Directory: Iron and Steel Plants Volume 1, Plants and Facilities
2	Iron and Steel Works of the World (12th edition) directory
3	Iron and Steel Society's Steel Industry of Canada, Mexico, and the United States: Plant Locations Map
4	American Coke and Coal Chemicals Institute (Membership List)
5	American Galvanizers Association (Membership List)
6	American Iron and Steel Institute (Membership List)
7	American Wire Producers Association (Membership List)
8	Cold Finished Steel Bar Institute (Membership List)
9	Specialty Steel Industry of North America (Membership List)
10	Steel Manufacturers Association (Membership List)
11	Steel Tube Industry of North America (Membership List)
12	Wire Association International (Membership List)
13	Dun & Bradstreet Facility Index database
14	EPA Permit Compliance System (PCS) database
15	EPA Toxic Release Inventory (TRI) database
16	Iron and Steelmaker Journal, "Roundup" editions
17	33 Metalproducing Journal, "Census of the North American Steel Industry"
18	33 Metalproducing Journal, "Roundup" editions

Table A-2

Frame Sizes and Sample Sizes for the Iron and Steel Population Frame

Stratum h	Stratum Description	Frame Size (N_h)	Sample Size (n_h)
Detailed Survey Strata			
1	Integrated steel facilities with cokemaking	9	9
2	Integrated steel facilities without cokemaking	12	12
3	Stand-alone cokemaking facilities	16	16
4	Stand-alone direct reduced ironmaking or sintering facilities	5	5
5	Detailed survey certainty stratum	60	60
6	Non-integrated facilities (with and without finishing)	69	40
7	Stand-alone finishing and stand-alone hot forming facilities	54	35
Short Survey Strata			
8	Short survey certainty stratum	13	13
9	Stand-alone cold forming facilities	62	37
10	Stand-alone pipe and tube facilities	164	59
11	Stand-alone hot dip coating facilities	106	49
12	Stand-alone wire facilities	252	67
	TOTAL:	**822**	**402**

Table A-3

Response Status, Base Weight, and Facility-Level Nonresponse Adjustments by Stratum

Stratum (h)	Frame Size (N_h)	Sample Size (n_h)	Response Status			Base Weight	Facility Level Nonresponse Adjustment
			Number of Eligible	Number of Ineligible	Number of Nonrespondents		
1	9	9	9	0	0	1.00000	1.00000
2	12	12	12	0	0	1.00000	1.00000
3	16	16	15	1	0	1.00000	1.00000
4	5	5	3	2	0	1.00000	1.00000
5	60	60	54	4	2	1.00000	1.03448
6	69	40	30	9	1	1.72500	1.02564
7	54	35	28	7	0	1.54286	1.00000
8	13	13	11	2	0	1.00000	1.00000
9	62	37	19	18	0	1.67568	1.00000
10	164	59	6	50	3	2.77966	1.05357
11	106	49	1	48	0	2.16327	1.00000
12	252	67	0	62	5	3.76119	0.00000
Total	**822**	**402**	**188**	**203**	**11**		

Table A-4

Base Weights, Facility-Level Nonresponse Adjustment Factors, and Final Weights by Stratum

Stratum	Base Weight	Facility Level Nonresponse Adjustment	Final Weight
1	1.00000	1.00000	1.00000
2	1.00000	1.00000	1.00000
3	1.00000	1.00000	1.00000
4	1.00000	1.00000	1.00000
5	1.00000	1.03448	1.03448
6	1.72500	1.02564	1.76923
7	1.54286	1.00000	1.54286
8	1.00000	1.00000	1.00000
9	1.67568	1.00000	1.67568
10	2.77966	1.05357	2.92857
11	2.16327	1.00000	2.16327
12	3.76119	0.00000	0.00000

Appendix B

REVISED EDITING CRITERIA FOR POTW PASS-THROUGH ANALYSIS

Appendix B

REVISED EDITING CRITERIA FOR POTW PASS-THROUGH ANALYSIS

For the proposed Iron and Steel rule, EPA used its traditional methodology to determine POTW performance (percent removal) for priority and nonconventional pollutants. POTW performance is a component of the pass-through methodology used to identify the pollutants to be regulated for PSES and PSNS. It is also a component of the analysis to determine net pollutant reductions (for both total pounds and toxic pound-equivalents) for various indirect discharge technology options (see Section 10). However, as discussed in more detail below, EPA is considering revisions to its traditional methodology for determining POTW performance (percent removals) for priority and nonconventional pollutants. In the traditional methodology, the pertinent data selection editing criteria used to determine POTW percent removals were based on the editing criteria listed in Section 11 for each data source. However, since POTWs are designed to treat conventional pollutants, not toxic pollutants, the revised editing criteria would more accurately reflect the incidental removals of toxic pollutants in POTWs.

See Section 11 for general information on the POTW pass-through analysis methodology and for data-editing criteria used for the proposed Iron and Steel rule.

Review of the 50-POTW Study Analytical Laboratory Reporting Practices and Standardization of Minimum Level (ML) Values

At the time of the 50-POTW sampling program that spanned approximately 2.5 years (July 1978 to November 1980), EPA collected samples at selected POTWs across the United States. The samples were subsequently analyzed by either EPA or EPA contract laboratories using test procedures (analytical methods) specified by the Agency or in use at the laboratories. Laboratories typically reported the analytical method used along with the test results. However, for those cases in which the laboratory specified no analytical method, EPA was able to specify the method based on the nature of the results and knowledge of the methods available at the time.

To provide consistency for data analysis and establishment of removal efficiencies, EPA reviewed the 50-POTW Study and standardized the reported MLs for use in the Centralized Water Treatment (CWT) final rule and the proposed Iron and Steel rule. EPA standardized the MLs based on information about the analytical methods used, laboratory capabilities at the time the testing was conducted (1978 to 1980), MLs that had been achievable historically, and consultation with Agency experts in the field of analytical chemistry. The standardized MLs are used in this reassessment.

Reassessment of the Pass-Through Methodology and Revised Editing Criteria for the 50-POTW Study

The Agency reevaluated several aspects of the 50-POTW Study database editing process and is considering changes to the editing criteria. Appendix C, "Revised Data Conventions for the 50-POTW Study Analytical Data," describes the minor editing criteria changes that EPA is considering for use in the final Iron and Steel pretreatment standards, including those related to the presence of analytical interferences, missing data, reported greater-than values, and reported less-than values higher than the minimum levels.

The principal editing criterion of the pass-through analysis used for the proposed Iron and Steel rule was to use available performance data representing average influent concentrations 10 times the analytical minimum level. This is also the primary editing criteria for ensuring that promulgated effluent limitations guidelines and standards are based only on the performance of BAT wastewater treatment systems with meaningful influent concentrations of pollutants. This editing criterion ensures that BAT data would demonstrate at least 90 percent removal of priority pollutants. EPA selected this criterion for the POTW data for similar reasons. However, after reconsidering the design differences between industrial BAT treatment and POTW treatment systems, as well as the differences in toxic pollutant influent concentrations, EPA believes that the "10 × ML" editing criterion is too restrictive for the purpose of analyzing POTW data, especially where effluent values are above the minimum level.

The majority of discharging POTWs (67 percent) have installed secondary biological treatment systems[1] designed to treat conventional pollutants characteristic of domestic sewage (primarily BOD and TSS). Most POTWs with secondary treatment have installed a variation of the activated sludge biological process with typical wastewater hydraulic residence times ranging from 4 to 8 hours for the most prevalent process designs.[2] Very few secondary POTWs install unit operations specifically designed to remove priority and nonconventional pollutants.[3]

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[1] The 1996 Clean Water Needs Survey (Reference B-1) found that of the 13,992 discharging POTWs, 1.3 percent reported less than secondary treatment, 67.1 percent reported secondary treatment, and the remaining 31.6 percent reported better than secondary treatment (**www.epa.gov/owm/uc.htm** at Reference B-1; Appendix C).

[2] Hydraulic residence times for the conventional and tapered aeration activated sludge processes range from 4 to 8 hours; for the step aeration and contact stabilization processes, from 3 to 6 hours; for the modified and high-rate aeration processes, from 0.5 to 3 hours; and for the extended aeration process, from 18 to 36 hours (1992 WEF Manual of Practice No. 8, page 627, Vol. I) (Reference B-2).

[3] Typical POTW unit operations include preliminary treatment (screening and grit removal), primary treatment (sedimentation, sludge collection, and odor control), and secondary treatment (biological treatment with secondary clarification). POTW unit operations associated with advanced or tertiary treatment include nutrient controls (phosphorus and nitrogen [including ammonia] removal processes), multimedia filtration, and activated carbon (1992 WEF Manual of Practice No. 8, pages 389, 447, 517, and 675, Vol. I and pages 895 and 1013, Vol. II) (Reference B-2).

In contrast, depending on raw waste characteristics, industrial treatment systems are often designed to remove toxic pollutants using a wide variety of in-plant wastewater treatment unit operations with or without end-of-pipe secondary biological treatment systems and sometimes followed by tertiary controls. For example, plants in the metal products and machinery, electroplating, iron and steel, OCPSF, inorganic chemicals, landfills, commercial hazardous waste combustor, CWT, and other industries may use in-process or end-of-pipe chemical precipitation for metals control, alkaline chlorination for cyanide control, steam or air stripping for volatile organic pollutant control, and activated carbon or biological treatment for control of a wide variety of organic pollutants. For plants in the OCPSF industry with end-of-pipe secondary biological treatment systems, the median and average wastewater hydraulic residence times are 48 and 118 hours, respectively.[4] Most of the pollutant-specific treatment unit operations listed above are not used to treat POTW wastewater because of the relatively low influent toxic pollutant concentrations. POTW toxic pollutant influent concentrations are often orders of magnitude lower than industrial raw waste concentrations.

Because of these design and toxic pollutant influent concentration differences, the POTW data-editing criteria should reflect typical incidental removals of toxic pollutants in secondary biological treatment systems designed and operated to control municipal sewerage. In general, due to dilution in municipal sewer collection systems, POTW influent concentrations of toxic pollutants are lower than the influent concentrations of industrial treatment systems. In those cases where both industrial and municipal treatment systems reduce the effluent pollutant concentration to the analytical minimum level, the relative performance (percent removal) is primarily a function of the influent concentrations. This was the principal reason for initially using the "10 × ML" influent editing criterion for retaining POTW average performance data – to avoid the bias of calculating artificially low median percent removals (median of POTW average performance). However, this editing criterion, when applied to the 50-POTW Study data, overestimates POTW incidental removals for many toxic pollutants. In the 50-POTW Study database, there are many cases where POTW average influent concentrations are less than the "10 × ML" edit and the average effluent data are above the ML. These cases should be included in the calculation of national POTW performance (median of POTW average percent removals) because they accurately reflect the incidental removals of the toxic pollutants in treatment systems primarily designed to control conventional pollutants. For example, for many POTWs in the study, average metal pollutant influent concentrations less than "10 times the ML" are paired with average effluent concentrations where each data point is measured above the analytical minimum level. Because of these pairings, EPA can accurately calculate the incidental removals of toxic pollutants characteristic of POTW designs and the characteristically low POTW toxic pollutant influent concentrations. EPA believes it is reasonable to include these percent removal calculations in its pass-through analysis.

[4] Based on 31 OCPSF biological treatment systems with residence times ranging from 4.5 to 1,008 hours (Development Document for Effluent Limitations Guidelines and Standards for the Organic Chemicals, Plastics, and Synthetic Fibers Point Source Category. EPA 440/1-87/009, October 1987, Vol. II, page VIII-45 and Supplement to the Development Document for Effluent Limitations Guidelines and Standards for the Organic Chemicals, Plastics, and Synthetic Fibers Point Source Category. EPA 821-R-93-007, May 1993, pages III-20 to III-23).

Furthermore, one of the observations and conclusions in the 50-POTW Study was that, for many pollutants, "as influent concentrations increased, effluent concentrations also increased. This implies that the removal rates for the priority pollutants are relatively constant and a fixed percentage of incremental loadings of these pollutants will be removed by secondary treatment." Therefore, except for highly biodegradable compounds, for typical POTW secondary biological treatment designs without specific unit operations for toxic pollutant control, one would not necessarily expect the percent removals of toxic pollutants to increase (above incidental removal levels) as influent concentrations increased.

Assessment of Editing Criteria for 50-POTW Study Performance by Treatment Technology

EPA is also considering incorporating POTW treatment system and BOD_5/TSS performance editing criteria into the methodology for determining POTW performance (percent removal) for priority and nonconventional pollutants.

A major goal of the 50-POTW study was to obtain priority pollutant data from representative types of secondary treatment facilities that would exist after completion of EPA's Construction Grants program. The 50 POTWs selected for sampling are representative of biological treatment processes – 35 activated sludge, 8 trickling filter, 4 activated sludge with parallel trickling filter, 1 rotating biological contactor, 1 aerated lagoon, and 1 lagoon system. Eight of these POTWs include post-secondary or tertiary treatment (four filtration and four lagoon systems).

The 50-POTW Study and subsequent assessments of POTW performance (including the assessment for the proposed Iron and Steel rule) used combined end-of-pipe data for all 50 POTWs. The analyses did not assess potential differences in toxic pollutant reductions among the various types of secondary systems, between secondary and tertiary systems, and among different levels of BOD_5 and TSS control (the principal design basis for POTW treatment systems).

After publication of the 50-POTW Study, EPA promulgated its Secondary Treatment Regulation (40 CFR Part 133) to provide information on the level of effluent quality attainable through the application of secondary or equivalent treatment. Secondary treatment generally refers to activated sludge biological processes, and treatment equivalent to secondary treatment refers to trickling filters or waste stabilization ponds. The secondary treatment performance criteria for both BOD_5 and TSS are 30-day and 7-day averages not exceeding 30 mg/L and 45 mg/L, respectively. The BOD_5 and TSS criteria for equivalent secondary treatment are 30-day and 7-day averages not exceeding 45 mg/L and 65 mg/L, respectively. These definitions and treatment levels provide the basis for the technology and BOD_5 /TSS performance edits being proposed for use in the proposed rule.

The revised analyses under consideration include separating the data collected for the four parallel activated sludge and trickling filter systems and, for two of the tertiary systems, including the secondary activated sludge sampling data. This expands the performance database

to 56 POTW treatment trains – 41 activated sludge, 12 trickling filter, 1 rotating biological contactor, 1 aerated lagoon, and 1 lagoon system. Again, eight of these treatment trains include post-secondary or tertiary treatment (four filtration and four lagoon systems). Based on the definitions in 40 CFR Part 133, the POTW treatment trains consist of 47 secondary or equivalent systems, 1 rotating biological contactor, and 8 post-secondary or tertiary systems. The Agency is considering a variety of POTW treatment train and BOD_5/TSS performance editing criteria to determine if these factors significantly affect the incidental removals of priority and nonconventional pollutants in POTWs. For example, among other alternatives, EPA is considering editing criteria that would retain only those secondary or equivalent treatment trains and the rotating biological contactor treatment train that meet the BOD_5 /TSS 7-day average performance criteria. EPA is considering this alternative because it accounts for the fact that only 6 days of data were collected at each POTW.

Revised Editing Criteria for Determining POTW Performance for the 50-POTW Study

Based on these concerns, EPA is considering revising the POTW priority and nonconventional pollutant performance (percent removal) editing criteria. Given the range of analytical minimum levels[5] and their influence on calculated percent removals, as well as the range of in-place POTW treatment technology, EPA is considering several editing alternatives including:

- **Alternative A** – For POTW treatment trains that meet the 7-day conventional pollutant performance criteria for BOD_5 (45 mg/L or lower) and TSS (45 mg/L or lower) using secondary activated sludge biological treatment or its equivalent:

  1) If all effluent values are equal to the ML and the ML is less than or equal to 20 µg/l, retain the pollutant performance (percent removal) if the pollutant influent average is at least 10 times the nominal minimum level (10 × ML).

  2) If all effluent values are equal to the ML and the ML is greater than 20 ppb, retain the pollutant performance (percent removal) if the pollutant influent average is at least 10 times one-half the nominal minimum level (10 × ½ ML or 5 × ML).

  3) If the effluent average is greater than the ML, retain the pollutant performance (percent removal) regardless of the pollutant influent average.

[5] For most organic pollutants, the ML is 10 µg/l (several have MLs of 20 and 50 µg/l). For mercury, silver, cadmium, zinc, copper, nickel, lead, and barium, the respective MLs are 0.2, 2, 5, 20, 25, 40, 50, and 200 µg/l.

4) The national POTW/pollutant percent removal is the median of the retained values from 1, 2, and 3 above.

- **Alternative B --** The same as Alternative A for items l, 2, and 4 with the following modification to item 3: If the effluent average is greater than the ML, retain the pollutant performance (percent removal) if the pollutant influent average is at least two times the nominal minimum level (2 × ML). Based on the analyses conducted to date, this is the Agency's preferred alternative.

- **Alternative C** – Retain all priority pollutant data for POTW treatment trains that meet the 7-day conventional pollutant performance criteria for BOD_5 (45 mg/L or lower) and TSS (45 mg/L or lower) using secondary activated sludge biological treatment or its equivalent.

- **Alternative D --** The same as Alternative B with the following modifications: (a) retain POTW treatment trains with secondary biological treatment (as designated by treatment flag "S"), only if both the effluent BOD_5 and TSS average concentrations are less than or equal to 45 mg/L, and (b) retain POTW treatment trains with equivalent to secondary biological treatment (as designated by treatment flag "E"), only if both the effluent BOD_5 and TSS average concentrations are less than or equal to 65 mg/L.

- **Alternative E --** The same as Alternative D with the following modification: substitute ½ × ML for all data points set equal to the analytical ML.

Table B-1 lists the national POTW percent removals for several pollutants, determined by using the traditional methodology for the proposed rule, Alternative A, Alternative B, Alternative C, Alternative D, and Alternative E. For the proposed rule, EPA has used the traditional methodology to estimate POTW percent removals, and, therefore, whether these pollutants "pass through" for purposes of selecting pollutants for regulation by PSES and PSNS.

Assessment of the Use of Analytical Minimum Levels for the 50-POTW Study

Since some commenters on other effluent limitations guidelines and standards have complained that EPA's use of the ML for reported effluent data of <ML underestimates actual percent removal, EPA tried to determine the extent of this situation and possible effects on estimating POTW percent removals for the pass-through analysis. The assessment below indicates that the proportion of POTW not-detected effluent toxic pollutant data varies from pollutant to pollutant and from POTW to POTW.

To help characterize the effect of substituting the analytical ML for not-detected data, the Agency assigned each POTW/pollutant dataset to one of three groups based on the proportion of not-detected effluent values, as follows:

1) All ND - when all of the effluent data points were not detected or assigned the ML value for the pollutant;

2) All NC (noncensored) - when all of the effluent data points were measured concentrations above the ML for the pollutant; and

3) Mix (NC and ND) - when the effluent data points were a mixture of not-detect and measured values.

For those cases where all of the effluent data were noncensored, the calculated percent removal reflects POTW incidental removals with the most accuracy. For those cases where all the effluent data were not detected, the calculated percent removal reflects POTW incidental removals with the least accuracy. In those cases where the effluent data is a mixture of not detected and noncensored data, the calculated percent removals are probably more accurate than "All ND" but less accurate than "All NC". Table A-2 provides pollutant-by-pollutant tabulations for the number of POTWs retained by the Alternative D data conventions with counts of the POTWs' effluent datasets that fall into each category.

For the 21 metal pollutants retained by the Alternative D data conventions, about 97 percent of the 347 POTW/metal pollutant effluent datasets in the table comprise all NC (66 percent) and a mixture of NC and ND (31 percent) values. For ammonia and cyanide, 100 percent of the 65 data sets comprise all NC (99.5 percent) and a mixture of NC & ND (0.5 percent) values.

The 28 organic pollutants retained by the Alternative D data conventions were divided into low, medium, and high Henry's Law Constant groups. For the six organics with low Henry's Law Constants (10^{-3} to 10^{-8}), about 81 percent of the 38 POTW/organic pollutant effluent datasets in the table comprise all NC (18 percent) and a mixture of NC and ND (63 percent) values. For the nine organics with medium Henry's Law Constants (10^{-1} to 10^{-3}), about 83 percent of the 36 POTW/organic pollutant effluent datasets in the table comprise all NC (25 percent) and a mixture of NC and ND (58 percent) values. For the 13 organics with high Henry's Law Constants (2×10^{2} to 10^{-1}), about 83 percent of the 73 POTW/organic pollutant effluent datasets in the table comprise all NC (19 percent) and a mixture of NC and ND (64 percent) values.

The Agency concludes that POTW performance for metals, ammonia, cyanide, and organic pollutants is not significantly affected by the bias of effluent data being less than the minimum levels.

References

B-1 U.S. Environmental Protection Agency. 1996 Clean Water Needs Survey. 1996.

B-2 U.S. Environmental Protection Agency. 1992 WEF Manual of Practice No. 8 (Volume I and II). 1992.

Table B-1

Comparison of 50-POTW Study Removal Estimation Alternatives (Median Percent Removals)

Pollutant	Traditional Method (%)	Alternative A (%)	Alternative B (%)	Alternative C (%)	Alternative D (%)	Alternative E (%)	Analytical ML µg/l
Ammonia	39	40	40	40	39	39	10
Cyanide	70	65	66	60	65	65	20
Antimony	67	47	57	10	57	57	20
Cadmium	90	86	89	37	89	89	5
Chromium	80	76	77	76	76	77	10
Copper	84	80	80	80	79	80	25
Iron	82	82	82	82	80	82	100
Lead	77	48	57	55	57	69	50
Manganese	36	24	24	24	23	23	15
Mercury	90	63	63	60	61	73	0.2
Naphthalene	95	95	95	39	95	97	10
Nickel	51	28	29	32	29	29	40
Phenol	95	95	96	70	96	97	10
Silver	88	67	69	69	67	73	2
Tin	43	20	41	39	41	47	30
Zinc	79	77	77	77	76	76	20

Table B-2

Number of POTWs Retained by Alternative D Data Conventions

Analyte	CAS No.	Total Number of POTWs	Effluent All (NC)	Effluent Mix (NC and ND)	Effluent (ND)
Class=M, Tech Group=E or S					
Aluminum	7429905	31	11	16	4
Antimony	7440360	1	1	0	0
Boron	7440428	6	4	2	0
Cadmium	7440439	6	2	4	0
Calcium	7440702	36	35	1	0
Chromium	7440473	34	23	11	0
Cobalt	7440484	1	0	1	0
Copper	7440508	34	13	17	4
Iron	7439896	43	34	9	0
Lead	7439921	7	2	4	1
Magnesium	7439954	22	22	0	0
Manganese	7439965	40	38	2	0
Mercury	7439976	15	4	11	0
Molybdenum	7439987	2	1	1	0
Nickel	7440020	14	9	5	0
Silver	7440224	17	5	12	0
Sodium	7440235	21	21	0	0
Tin	7440315	3	1	2	0
Titanium	7440326	10	1	9	0
Vanadium	7440622	2	2	0	0
Yttrium	7440655	2	0	2	0
Total		**73**	**14**	**47**	**12**

Table B-2 (Continued)

Analyte	CAS No.	Total Number of POTWs	Effluent All (NC)	Effluent Mix (NC and ND)	Effluent (ND)
Class=N, Tech Group=E or S					
Ammonia as N	7664417	35	35	0	0
Total Cyanide	57125	30	27	3	0
Total		**65**	**62**	**3**	**0**
Class=O_LOW, Tech Group=E or S					
Bis(2-ethylhexyl)phthalate	117817	25	6	19	0
Butyl benzyl phthalate	85687	1	0	0	1
Di-n-butyl phthalate	84742	2	0	2	0
Di-n-octyl phthalate	117840	2	0	2	0
Fluoranthene	206440	1	0	1	0
Phenol	108952	7	1	0	6
Total		**38**	**7**	**24**	**7**
Class=O_MED, Tech Group=E or S					
Acenaphthene	83329	2	0	1	1
Anthracene	120127	2	0	1	1
Methylene chloride	75092	22	7	15	0
Naphthalene	91203	1	0	0	1
Phenanthrene	85018	2	0	1	1
1,2-Dichlorobenzene	95501	2	0	1	1
1,2-Dichloroethane	107062	2	2	0	0
1,2-Dichloropropane	78875	1	0	0	1
1,2,4-Trichlorobenzene	120821	2	0	2	0
Total		**36**	**9**	**21**	**6**

Table B-2 (Continued)

Analyte	CAS No.	Total Number of POTWs	Effluent All (NC)	Effluent Mix (NC and ND)	Effluent (ND)
Class=O_HIGH, Tech Group=E or S					
Benzene	71432	5	0	2	3
Chlorobenzene	108907	1	0	0	1
Chloroform	67663	5	2	3	0
Chloromethane	74873	2	0	2	0
Dichlorodifluoromethane	75718	1	1	0	0
Ethylbenzene	100414	5	0	5	0
Tetrachloroethene	127184	15	4	9	2
Tetrachloromethane	56235	1	1	0	0
Toluene	108883	11	0	9	2
Trans-1,2-Dichloroethene	156605	2	0	2	0
Trichlorethene	79016	10	4	4	2
Vinyl chloride	75014	1	0	1	0
1,1,1-Trichloroethane	71556	14	2	10	2
Total		**347**	**229**	**109**	**9**

Source: U.S. EPA, 50-POTW Study, 1982.

NC - Noncensored (when all effluent data points were measured concentrations above the ML for the pollutant).
ND - When all effluent data points were not detected or assigned the ML value for the pollutants.

Appendix C

REVISED DATA CONVENTIONS

Appendix C

REVISED DATA CONVENTIONS FOR THE 50-POTW STUDY ANALYTICAL DATA (UNDER CONSIDERATION FOR USE IN THE FINAL IRON AND STEEL RULE)

This appendix describes the minor editing criteria changes that EPA is considering for use in the final Iron and Steel pretreatment standards, including those related to the presence of analytical interferences, missing data, reported greater-than values, and reported less-than values higher than minimum levels. To compare the proposed changes to the traditional editing criteria used for the proposed Iron and Steel rule (outlined in Section 11), additions to the criteria are highlighted as "(New)" and revisions to existing criteria are highlighted as "(Revised)".

1. **(New)** Applied an alpha-numeric naming convention to identify parallel treatment trains within a POTW. The naming convention is composed of the POTW's number and a suffix. For example, POTW 10 has two parallel treatment trains, which the new naming convention designated as 10A and 10B. Records associated with treatment train "A" in POTW 10 all carry the designation 10A. If a POTW has only one treatment train, all records for the POTW are identified by the POTW number only. The one exception is POTW 56, in which case a sampling point is designated after primary clarification (56A) and after tertiary filtration (56B). EPA did not collect samples after the secondary activated sludge treatment unit. The traditional data conventions – used for the proposed Iron and Steel rule – averaged all of the respective influent and effluent values for parallel treatment systems.

2. **(New)** Added treatment technology codes and technology flags. Treatment technology codes include "AS" for activated sludge, "TF" for trickling filter, and "RBC" for rotating biological contactor, lagoon, and primary clarifier. Some POTWs use a combination of treatment technologies, such as AS + tertiary oxidation ponds. In these cases, EPA identifies the combination. Technology flags are "P" for primary treatment, "S" for secondary biological treatment, "E" for equivalent to secondary biological treatment, and "T" for secondary biological or equivalent treatment systems with tertiary treatment unit operations.

3. This placeholder ensures consistency between the computer output headings and these data conventions. (The numbered statements correspond to preliminary drafts of the revised data conventions. Some data conventions contained in earlier drafts were mistaken or misplaced in sequence and EPA removed these conventions from subsequent drafts. However, EPA retained the assigned number sequence because of reference to these numbers in the computer listings. Thus, this number is effectively blank.)

4. Converted the units of measure for each pollutant to a common metric.

5. **(Revised)** Deleted individual data points for a pollutant if supporting records indicated that one of the following conditions was met (corresponding to key codes 4, 5, 6, and 8 in Table C-1 in this appendix):

   a. Analytical interference prevented the determination of the presence or quantification of the pollutant (key code = 4),

   b. Analytical interference was present, but the pollutant concentration was not detected above the concentration reported (key code = 5),

   c. No chemical analysis was conducted or the result of the chemical analysis was not reported (key code = 6), and

   d. The pollutant was detected but not quantified or confirmed (key code = 8).

   e. **(Revised)** Deleted the record results from a "right censored" qualitative method. These records are identified as "greater-than (>) X" where "X" is a method-specific value. This indicator signifies that the recorded measure is the lower bound of the amount of the pollutant in the sample. The traditional data conventions – used for the Iron and Steel and Metal Products and Machinery (MP&M) proposed rules – reported ">values" as the value. (If calculations are based on influent ">values," then the percent removals would be lower than they should be. If calculations are based on effluent ">values," then the percent removals would be higher than they should be.)

      The revised data conventions delete pollutant concentration data points on an individual basis, not in pairs. For example, if the influent data point meets one of the previously identified conditions, it is deleted. Its paired effluent data point is not deleted unless it too meets one of the conditions. The traditional data conventions deleted data in daily pairs.

6. Incorporated the standardized analytical "minimum level" (ML) values for each record. EPA assigned these values based on the precision and accuracy of the 1978 to 1980 analytical methods used to measure the pollutant.

7. **(Revised)** Deleted records reported as "< values" that are greater than the ML. This may occur when samples are diluted to reduce analytical matrix interference. If a pollutant is not detected in the diluted sample, the

resulting ML is multiplied by the dilution factor. (For data reported as "< values," this rule initially set the value to the ML for calculation purposes without considering if the value is greater than the ML. The traditional editing rule decreases calculated performance for influent value substitutions, and increases it for effluent value substitutions.)

8. Set equal to the pollutant analytical ML any remaining pollutant values reported as not detected (key codes 1, 3, and 7):

   a. Less than the concentration listed (key code = 1),

   b. Detected, but not quantified at lower than the concentration listed (key code = 3), and

   c "Not detected" (key code = 7).

9. For detected or noncensored (NC) values reported as less than the ML, set the value equal to the ML and report the value as a nondetect.

10. **(New)** If the pollutant ML is GREATER THAN 20, substituted 0.5 × ML for influent and effluent samples if all effluent values are equal to the ML and the value was a nondetect. The following pollutants are excluded from this convention: BOD_5, COD, O&G, TDS, TOC, total solids, and TSS.

11. Retained pollutant data for a POTW if there are at least three (3) influent concentration values reported and at least one of these values is measured above the ML for the pollutant.

12. This placeholder ensures consistency between the computer output headings and these data conventions. (The numbered statements correspond to preliminary drafts of the revised data conventions. Some data conventions contained in earlier drafts were mistaken or misplaced in sequence and EPA removed these conventions from subsequent drafts. However, EPA retained the assigned number sequence because of reference to these numbers in the computer listings. Thus, this number is effectively blank.)

13. **(New)** Retained POTW treatment trains with secondary biological treatment or equivalent (as designated by treatment flags "S" or "E") only if both the effluent BOD_5 and TSS average concentrations are less than or equal to 45 mg/L.

14. **(Revised)** Retained non-negative percent removals that are greater than zero for a given pollutant where the percent removal = (100)(average influent - average effluent)/average influent. The traditional data

conventions retained zero percent removals. (The medians of these intermediate values are referred to as **Alternative C**.)

15. Identified three (overlapping) subsets of POTWs based on the average influent concentration:

    a. (i.) If all effluent values are equal to the ML and the ML is greater than 20 ppb, retain the pollutant performance (percent removal) if the pollutant influent average is at least 10 times one-half the nominal ML (10 × ½ ML = 5 × ML).

       (ii) If all effluent values are equal to the ML and the ML is less than or equal to 20 ppb, retain the pollutant performance (percent removal) if the pollutant influent average is at least 10 times the nominal ML (10 × ML).

    b. If the effluent average is greater than the ML, retain the pollutant performance (percent removal) regardless of the pollutant influent average.

16. The national POTW/pollutant percent removal is the median of the retained values from 15a and 15b above. (This is referred to as **Alternative A**.)

17. Modify 15b: If the effluent average is greater than the ML, retain the pollutant performance (percent removal) if the pollutant influent average is at least two times the nominal minimum level (2 × ML).

18. Modify 16: The national POTW/pollutant percent removal is the median of the retained values from 15a and 17 above. (This is referred to as **Alternative B**.)

19. Modify 13: (a) Retain POTW treatment trains with secondary biological treatment (as designated by treatment flag “S”), only if both the effluent BOD_5 and TSS average concentrations are less than or equal to 45 mg/L. (b) Retain POTW treatment trains with equivalent to secondary biological treatment (as designated by treatment flag “E”), only if both the effluent BOD_5 and TSS average concentrations are less than or equal to 65 mg/L. (c) The national POTW/pollutant percent removal is the median of the retained values from 15a and 17 above. (This is referred to as **Alternative D**.)

20. Modify 19: Substitute ½ × ML for all data points set equal to the analytical ML. (This is referred to as **Alternative E**.)

Table C-1

Description of the Key Codes Used to Qualify Analytical Results in the 50-POTW Dataset[a]

Code	Concentration	Meaning of code
0	. . any	Detected at this concentration
1	. . any	Less than this concentration
2	. . any	Detected at greater than (>) this concentration
3	. . any	Detected, but not quantified at lower than this concentration
4	. . 0	Analytical interference prevented determination of the presence or quantification of the analyte
4	. . any value >0	Analytical interference was present, but concentration was estimated as this concentration
5	. . any	Analytical interference was present, but the analyte was not detected above this concentration
6	. . 0	No chemical analysis conducted or the result of the chemical analysis was not reported
7	. . 0 or blank	Reported as “not detected”
8	. . 0	Analyte was detected, but not quantified or confirmed
8	. . any value >0	A pesticide was detected by GC-ECD at this concentration, but GC-MS did not confirm the presence of the analyte

[a]U.S. EPA, 50-POTW Study, 1982, pp. 29 and 30.

Appendix D

AGGREGATED DATA LISTING

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	3	3.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	4	1.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	5	2.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	6	1.010	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	7	1.650	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	8	1.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	9	1.900	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	10	1.640	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	11	1.790	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	12	1.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	13	1.290	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	14	1.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	15	1.330	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	16	1.730	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	17	1.680	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	18	1.790	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	19	1.150	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	20	1.540	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	21	1.570	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	22	1.240	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	23	1.240	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	24	0.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	25	0.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	26	0.100	MG/L	0.05	ND
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	27	0.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	28	0.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	29	1.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	30	1.050	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	31	1.220	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	32	1.260	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	33	1.230	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	34	1.290	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	35	0.870	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	36	1.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	37	1.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	38	0.560	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	39	1.280	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	40	1.150	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	41	1.090	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	42	1.230	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	43	1.500	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	44	1.650	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	45	1.000	MG/L	0.05	ND
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	46	1.470	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	47	1.160	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	48	1.010	MG/L	0.05	ND
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	49	1.000	MG/L	0.05	ND
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	50	1.200	MG/L	0.05	ND
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	51	1.430	MG/L	0.05	ND
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	52	1.050	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	53	1.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	54	0.950	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	55	1.570	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM50	350.2	SP-A	56	0.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	1	2.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	2	1.900	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	3	3.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	4	3.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	5	3.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	6	3.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	7	3.500	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM51	SM4500NH3-E	SP-A	8	2.900	MG/L	0.05	NC
BENZO(A)PYRENE	50328	ESE01	1625	SP-B +SP-C	1	10.000	UG/L	10.00	ND
BENZO(A)PYRENE	50328	ESE01	1625	SP-B +SP-C	2	10.000	UG/L	10.00	ND
BENZO(A)PYRENE	50328	ESE01	1625	SP-B +SP-C	3	10.000	UG/L	10.00	ND
BENZO(A)PYRENE	50328	ESE01	1625	SP-B +SP-C	4	10.000	UG/L	10.00	ND
BENZO(A)PYRENE	50328	ESE01	1625	SP-B +SP-C	5	10.400	UG/L	10.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE01	1664	SP-B +SP-C	1	5.896	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE01	1664	SP-B +SP-C	2	5.733	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE01	1664	SP-B +SP-C	3	5.716	MG/L	5.00	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE01	1664	SP-B +SP-C	4	12.263	MG/L	5.00	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE01	1664	SP-B +SP-C	5	5.945	MG/L	5.00	NC
MERCURY	7439976	ESE01	1620	SP-B +SP-C	1	0.200	UG/L	0.20	ND
MERCURY	7439976	ESE01	1620	SP-B +SP-C	2	0.200	UG/L	0.20	ND
MERCURY	7439976	ESE01	1620	SP-B +SP-C	3	0.200	UG/L	0.20	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
MERCURY	7439976	ESE01	1620	SP-B +SP-C	4	0.200	UG/L	0.2	ND
MERCURY	7439976	ESE01	1620	SP-B +SP-C	5	0.200	UG/L	0.2	ND
MERCURY	7439976	ESE02	1620	SP-A +SP-B	1	0.100	UG/L	0.2	NC
MERCURY	7439976	ESE02	1620	SP-A +SP-B	2	0.115	UG/L	0.2	NC
MERCURY	7439976	ESE02	1620	SP-A +SP-B	3	0.060	UG/L	0.2	NC
MERCURY	7439976	ESE02	1620	SP-A +SP-B	4	0.100	UG/L	0.2	NC
MERCURY	7439976	ESE02	1620	SP-A +SP-B	5	0.170	UG/L	0.2	NC
MERCURY	7439976	ISM51	245.1	SP-A	1	0.390	UG/L	0.2	ND
MERCURY	7439976	ISM51	245.1	SP-A	5	0.390	UG/L	0.2	ND
NAPHTHALENE	91203	ESE01	1625	SP-B +SP-C	1	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ESE01	1625	SP-B +SP-C	2	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ESE01	1625	SP-B +SP-C	3	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ESE01	1625	SP-B +SP-C	4	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ESE01	1625	SP-B +SP-C	5	10.400	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	1	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	2	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	3	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	4	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	5	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	6	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	7	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	8	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	9	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	10	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	11	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	12	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	13	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	14	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	15	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	16	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	17	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	18	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	19	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	20	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	21	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	22	10.000	UG/L	10.0	ND
NAPHTHALENE	91203	ISM50	625	SP-A	23	10.000	UG/L	10.0	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
NAPHTHALENE	91203	ISM50	625	SP-A	24	43.990	UG/L	10	NC
NAPHTHALENE	91203	ISM50	625	SP-A	25	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	26	100.000	UG/L	10	NC
NAPHTHALENE	91203	ISM50	625	SP-A	27	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	28	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	29	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	30	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	31	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	32	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	33	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	34	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	35	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	36	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	37	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	38	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	39	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	40	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	41	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	42	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	43	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	44	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	45	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	46	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	47	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	48	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	49	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	50	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	51	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	52	35.000	UG/L	10	NC
NAPHTHALENE	91203	ISM50	625	SP-A	53	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	54	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	55	10.000	UG/L	10	ND
NAPHTHALENE	91203	ISM50	625	SP-A	56	10.000	UG/L	10	ND
PHENOL	108952	ESE01	1625	SP-B +SP-C	1	10.000	UG/L	10	ND
PHENOL	108952	ESE01	1625	SP-B +SP-C	2	10.000	UG/L	10	ND
PHENOL	108952	ESE01	1625	SP-B +SP-C	3	10.000	UG/L	10	ND
PHENOL	108952	ESE01	1625	SP-B +SP-C	4	10.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
PHENOL	108952	ESE01	1625	SP-B +SP-C	5	10.400	UG/L	10.00	ND
SELENIUM	7782492	ESE01	1620	SP-B +SP-C	1	112.000	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-B +SP-C	2	99.500	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-B +SP-C	3	104.000	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-B +SP-C	4	109.000	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-B +SP-C	5	130.000	UG/L	5.00	NC
THIOCYANATE	302045	ESE01	SM4500-CN M.	SP-B +SP-C	1	0.595	MG/L	0.10	NC
THIOCYANATE	302045	ESE01	SM4500-CN M.	SP-B +SP-C	2	0.465	MG/L	0.10	NC
THIOCYANATE	302045	ESE01	SM4500-CN M.	SP-B +SP-C	3	0.305	MG/L	0.10	NC
THIOCYANATE	302045	ESE01	SM4500-CN M.	SP-B +SP-C	4	0.220	MG/L	0.10	NC
THIOCYANATE	302045	ESE01	SM4500-CN M.	SP-B +SP-C	5	0.370	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	1	1.000	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	2	1.000	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	3	1.200	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	4	1.100	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	5	1.000	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	6	1.000	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	7	1.100	MG/L	0.10	NC
THIOCYANATE	302045	ISM51	SM4500CN-M	SP-A	8	1.000	MG/L	0.10	NC
TOTAL CYANIDE	57125	ESE01	335.2	SP-B +SP-C	1	2.710	MG/L	0.02	NC
TOTAL CYANIDE	57125	ESE01	335.2	SP-B +SP-C	2	3.940	MG/L	0.02	NC
TOTAL CYANIDE	57125	ESE01	335.2	SP-B +SP-C	3	3.920	MG/L	0.02	NC
TOTAL CYANIDE	57125	ESE01	335.2	SP-B +SP-C	4	3.300	MG/L	0.02	NC
TOTAL CYANIDE	57125	ESE01	335.2	SP-B +SP-C	5	3.200	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	1	0.780	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	2	1.050	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	3	1.810	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	4	1.600	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	5	2.600	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	6	2.140	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	7	1.670	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	8	1.880	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	9	2.440	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	10	2.600	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	11	2.410	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	12	1.320	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	13	1.660	MG/L	0.02	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	14	1.440	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	15	1.120	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	16	1.490	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	17	1.660	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	18	2.240	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	19	1.650	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	20	1.130	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	21	1.290	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	22	1.480	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	23	1.690	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	24	4.100	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	25	1.700	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	26	3.200	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	27	2.200	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	28	2.600	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	29	1.870	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	30	1.980	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	31	1.060	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	32	1.250	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	33	0.840	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	34	1.730	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	35	1.500	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	36	1.420	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	37	1.260	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	38	1.070	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	39	1.110	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	40	1.400	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	41	0.830	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	42	1.720	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	43	1.490	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	44	1.940	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	45	1.510	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	46	1.560	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	47	2.190	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	48	5.640	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	49	2.270	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	50	1.250	MG/L	0.02	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	51	1.720	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	52	1.570	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	53	1.790	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	54	1.580	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	55	1.520	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM50	335.2	SP-A	56	1.380	MG/L	0.02	NC
TOTAL SUSPENDED SOLIDS	C009	ESE01	160.2	SP-B +SP-C	1	22.500	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ESE01	160.2	SP-B +SP-C	4	19.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ESE01	160.2	SP-B +SP-C	5	14.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	1	148.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	2	7.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	3	4.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	4	4.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	5	17.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	6	11.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	7	16.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	8	14.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	9	13.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	10	19.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	11	4.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	12	11.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	13	4.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	14	5.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	15	9.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	16	12.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	17	9.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	18	6.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	19	4.000	MG/L	4.00	ND
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	20	6.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	21	5.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	22	12.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	23	22.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	24	16.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	25	9.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	26	24.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	27	18.000	MG/L	4.00	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	28	4.000	MG/L	4.00	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	29	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	30	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	31	26.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	32	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	33	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	34	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	35	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	36	26.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	37	29.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	38	33.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	39	22.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	40	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	41	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	42	17.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	43	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	44	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	45	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	46	8.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	47	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	48	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	49	20.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	50	49.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	51	17.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	52	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	53	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	54	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	55	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM50	NA	SP-A	56	27.000	MG/L	4	NC

---------- Subcategory=COKE_BYPROD -- Option=BAT3 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	1	0.114	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	8	0.124	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT3 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	15	0.164	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	22	0.536	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	29	0.294	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	36	0.221	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	44	0.178	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	50	0.170	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	57	0.272	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	64	0.249	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	71	0.806	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	78	0.485	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	85	0.203	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	93	0.461	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	99	0.232	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	106	0.159	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	120	0.136	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	127	0.543	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	134	0.250	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	141	0.115	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	148	0.483	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	155	0.261	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	162	0.402	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	170	0.175	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	176	0.356	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	182	0.088	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	189	0.082	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	196	0.252	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	203	0.310	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	210	0.145	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	217	0.101	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	243	0.079	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	249	0.171	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	257	0.116	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	263	0.118	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	270	0.487	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	277	0.792	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	284	0.115	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	291	0.116	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT3 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	305	0.116	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	312	0.546	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	319	0.410	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	326	0.556	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	333	0.095	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	340	0.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	347	0.103	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	354	0.476	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	361	0.436	MG/L	0.05	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	1	1.253	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	8	0.233	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	15	1.322	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	22	1.689	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	29	3.806	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	36	0.921	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	44	1.026	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	50	2.388	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	57	2.035	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	64	0.800	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	71	2.713	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	78	2.604	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	85	0.804	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	93	0.878	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	99	1.167	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	106	0.945	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	120	1.590	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	127	2.471	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	134	1.334	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	141	1.855	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	148	1.958	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	155	1.855	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	162	0.354	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	170	1.193	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	176	1.255	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	182	0.450	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	196	0.717	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	203	0.651	MG/L	0.02	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=BAT3 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	210	0.540	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	217	2.621	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	243	3.468	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	249	2.130	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	257	2.822	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	263	1.546	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	270	0.789	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	277	0.658	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	284	1.194	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	291	0.501	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	305	0.537	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	312	0.135	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	319	0.087	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	326	0.062	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	333	0.275	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	340	0.738	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	347	1.108	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	354	1.130	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	361	0.629	MG/L	0.02	NC

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	1	52.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	2	53.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	3	49.900	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	4	47.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	5	49.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	6	48.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	7	49.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	8	54.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	9	45.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	10	41.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	11	48.100	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	12	47.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	13	44.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM53	SM4500-NH3	SP-A	14	48.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	3	29.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	9	22.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	16	32.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	23	37.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	30	12.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	38	23.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	45	25.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	52	23.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	59	30.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	67	18.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	74	15.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	81	19.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	88	20.500	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	96	12.900	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	103	12.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	110	16.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	117	25.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	124	32.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	132	21.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	139	41.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	146	36.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	153	46.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	161	52.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	168	56.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	175	47.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	182	32.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	190	12.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	197	12.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	204	29.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	211	18.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	218	21.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	226	26.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	233	21.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	240	30.800	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	247	18.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	255	42.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	262	13.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	269	16.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	276	23.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	284	37.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	291	11.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	298	23.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	305	9.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	312	7.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	320	13.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	327	11.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	334	28.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	341	42.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	349	36.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	356	32.200	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	363	30.800	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	370	29.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM54	4500NH, BE	SP-A	377	23.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	1	49.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	2	38.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	3	44.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	4	50.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	5	39.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	6	32.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	7	27.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	8	26.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	9	21.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	10	32.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	11	28.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	12	29.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM55	417/350.2	SP-A	13	24.000	MG/L	0.05	NC
NAPHTHALENE	91203	ESE03	1625	SP-A	2	116.490	UG/L	10.00	NC
NAPHTHALENE	91203	ESE03	1625	SP-A	3	503.440	UG/L	10.00	NC
NAPHTHALENE	91203	ESE03	1625	SP-A	4	100.000	UG/L	10.00	ND
NAPHTHALENE	91203	ESE03	1625	SP-A	5	100.000	UG/L	10.00	ND
PHENOL	108952	ESE03	1625	SP-A	1	114770.000	UG/L	10.00	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
PHENOL	108952	ESE03	1625	SP-A	2	182284.800	UG/L	10.00	NC
PHENOL	108952	ESE03	1625	SP-A	3	16402.800	UG/L	10.00	NC
PHENOL	108952	ESE03	1625	SP-A	4	313800.000	UG/L	10.00	NC
PHENOL	108952	ESE03	1625	SP-A	5	176600.000	UG/L	10.00	NC
SELENIUM	7782492	ESE01	1620	SP-A	1	793.000	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-A	2	678.000	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-A	3	715.000	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-A	4	790.000	UG/L	5.00	NC
SELENIUM	7782492	ESE01	1620	SP-A	5	585.000	UG/L	5.00	NC
THIOCYANATE	302045	ESE03	4500-CN	SP-A	1	217.000	MG/L	0.10	NC
THIOCYANATE	302045	ESE03	4500-CN	SP-A	2	166.000	MG/L	0.10	NC
THIOCYANATE	302045	ESE03	4500-CN	SP-A	3	259.000	MG/L	0.10	NC
THIOCYANATE	302045	ESE03	4500-CN	SP-A	4	216.000	MG/L	0.10	NC
THIOCYANATE	302045	ESE03	4500-CN	SP-A	5	191.000	MG/L	0.10	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	2	6.300	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	3	6.700	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	7	6.200	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	8	6.600	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	10	9.100	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	11	10.800	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	12	8.000	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	13	8.300	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	14	7.600	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	15	10.400	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	16	8.300	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	17	7.700	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	18	8.000	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	19	8.300	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	20	7.000	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	21	8.670	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	22	6.580	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	23	6.500	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	24	7.890	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	25	5.500	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	26	7.300	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	27	8.000	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	28	5.030	MG/L	0.02	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	29	5.330	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	30	4.100	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	31	4.670	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	32	6.170	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	33	5.400	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	34	3.140	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	36	5.200	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	37	6.000	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	38	6.330	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	39	0.520	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	40	4.140	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	41	5.400	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	42	4.770	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	43	5.200	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	44	8.880	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	45	7.900	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	47	8.690	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	48	5.060	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	49	5.680	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	50	1.000	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	51	3.320	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	52	4.120	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	53	4.330	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	54	5.330	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	55	6.970	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	56	4.480	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	57	5.040	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	67	5.000	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM56	335.2	SP-A	68	6.470	MG/L	0.02	NC

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	1	9.990	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	2	14.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	3	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	4	19.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	5	17.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	6	10.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	7	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	8	27.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	9	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	10	16.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	11	13.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	12	43.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	13	86.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	14	56.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	15	16.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	16	43.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	17	32.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	18	28.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	19	32.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	20	26.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	21	45.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	22	14.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	23	17.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	24	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	25	28.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	26	74.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	27	32.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	28	24.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	29	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	30	20.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	32	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	33	63.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	34	68.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	35	28.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	36	52.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	37	54.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	38	37.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	39	19.990	UG/L	10	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	40	20.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	41	43.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	42	224.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	43	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	44	41.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	45	28.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	46	14.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	47	41.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	48	52.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	49	116.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	50	39.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	51	48.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	52	37.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	53	97.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	54	35.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	55	39.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	56	18.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	57	39.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	58	20.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	59	165.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	60	78.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	61	19.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	62	28.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	63	28.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	64	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	65	18.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	66	68.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	67	26.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	68	39.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	69	48.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	70	29.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	71	32.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	72	35.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	73	10.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	74	37.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	75	87.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	76	41.990	UG/L	10	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	77	19.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	78	24.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	79	17.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	80	26.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	81	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	82	28.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	83	24.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	84	43.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	85	39.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	86	326.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	87	34.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	88	52.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	89	101.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	90	39.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	91	72.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	92	32.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	93	46.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	94	34.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	95	34.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	96	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	97	28.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	98	45.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	99	26.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	100	28.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	101	48.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	102	17.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	103	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	104	56.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	105	37.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	106	20.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	107	32.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	108	52.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	109	74.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	110	61.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	111	52.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	112	46.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	113	128.990	UG/L	10	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	114	29.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	115	34.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	116	56.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	117	37.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	118	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	119	39.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	120	35.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	121	37.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	122	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	123	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	124	10.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	125	9.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	126	35.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	127	16.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	128	9.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	129	10.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	130	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	131	14.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	132	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	133	37.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	134	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	135	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	136	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	137	18.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	138	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	139	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	140	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	141	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	142	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	143	20.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	144	32.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	145	39.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	146	9.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	147	10.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	148	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	149	13.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	150	17.990	UG/L	10	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	151	9.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	152	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	153	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	154	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	155	13.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	156	16.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	157	14.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	158	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	159	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	160	14.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	161	14.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	162	25.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	163	30.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	164	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	165	39.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	166	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	167	17.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	168	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	169	14.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	170	17.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	171	25.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	172	17.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	173	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	174	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	175	19.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	176	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	177	18.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	178	30.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	179	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	180	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	181	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	182	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	183	32.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	184	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	185	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	186	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	187	9.990	UG/L	10	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	188	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	189	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	190	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	191	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	192	17.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	193	74.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	194	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	195	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	196	41.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	197	9.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	198	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	199	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	200	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	201	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	202	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	203	17.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	204	13.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	205	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	206	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	207	16.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	208	32.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	209	19.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	210	12.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	211	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	212	19.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	213	27.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	214	24.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	215	28.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	216	17.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	217	14.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	218	26.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	219	14.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	220	28.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	221	18.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	222	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	223	32.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	224	37.990	UG/L	10	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	225	9.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	226	24.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	227	23.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	228	18.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	229	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	230	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	231	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	232	20.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	233	14.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	234	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	235	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	236	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	237	13.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	238	46.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	239	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	240	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	241	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	242	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	243	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	244	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	245	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	246	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	247	50.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	248	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	249	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	250	57.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	251	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	252	17.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	253	27.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	254	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	255	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	256	30.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	257	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	258	24.000	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	259	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	260	21.990	UG/L	10	NC
CHROMIUM	7440473	ISM57	200.7	SP-A	261	9.990	UG/L	10	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM57	200.7	SP-A	262	9.990	UG/L	10	ND
CHROMIUM	7440473	ISM57	200.7	SP-A	263	9.990	UG/L	10	ND
CHROMIUM	7440473	ESE04	1620	SP-F +SP-G	1	4.050	UG/L	10	NC
CHROMIUM	7440473	ESE04	1620	SP-F +SP-G	2	5.850	UG/L	10	NC
CHROMIUM	7440473	ESE04	1620	SP-F +SP-G	3	9.500	UG/L	10	NC
CHROMIUM	7440473	ESE04	1620	SP-F +SP-G	4	11.250	UG/L	10	NC
CHROMIUM	7440473	ESE04	1620	SP-F +SP-G	5	15.400	UG/L	10	NC
CHROMIUM	7440473	ESE05	1620	SP-A +SP-B	1	10.200	UG/L	10	NC
CHROMIUM	7440473	ESE05	1620	SP-A +SP-B	2	9.000	UG/L	10	ND
CHROMIUM	7440473	ESE05	1620	SP-A +SP-B	3	9.000	UG/L	10	ND
CHROMIUM	7440473	ESE05	1620	SP-A +SP-B	4	18.550	UG/L	10	NC
CHROMIUM	7440473	ESE05	1620	SP-A +SP-B	5	9.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	1	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	2	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	3	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	4	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	5	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	6	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	7	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	8	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	9	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	10	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	11	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	12	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	13	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	14	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	15	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	16	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	17	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	18	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	19	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	20	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	21	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	22	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	23	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	24	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	25	50.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM58	SM3120B	SP-A	26	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	27	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	28	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	29	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	30	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	31	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	32	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	33	50.000	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	34	119.990	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	35	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	36	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	37	50.000	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	38	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	39	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	40	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	41	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	42	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	43	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	44	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	45	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	46	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	47	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	48	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	49	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	50	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	51	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	52	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	53	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	54	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	55	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	56	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	57	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	58	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	59	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	60	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	61	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	62	50.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM58	SM3120B	SP-A	63	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	64	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	65	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	66	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	67	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	68	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	69	50.000	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	70	50.000	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	71	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	72	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	73	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	74	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	75	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	76	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	77	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	78	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	79	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	80	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	81	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	82	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	83	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	84	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	85	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	86	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	87	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	88	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	89	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	90	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	91	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	92	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	93	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	94	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	95	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	96	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	97	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	98	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	99	50.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM58	SM3120B	SP-A	100	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	101	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	102	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	103	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	104	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	105	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	106	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	107	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	108	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	109	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	110	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	111	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	112	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	113	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	114	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	115	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	116	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	117	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	118	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	119	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	120	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	121	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	122	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	123	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	124	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	125	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	126	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	127	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	128	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	129	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	130	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	131	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	132	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	133	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	134	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	135	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	136	50.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM58	SM3120B	SP-A	137	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	138	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	139	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	140	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	141	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	142	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	143	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	144	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	145	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	146	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	147	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	148	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	149	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	150	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	151	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	152	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	153	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	154	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	155	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	156	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	157	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	158	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	159	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	160	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	161	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	162	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	163	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	164	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	165	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	166	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	167	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	168	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	169	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	170	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	171	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	172	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	173	50.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM58	SM3120B	SP-A	174	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	175	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	176	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	177	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	178	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	179	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	180	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	181	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	182	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	183	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	184	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	185	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	186	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	187	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	188	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	189	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	190	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	191	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	192	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	193	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	194	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	195	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	196	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	197	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	198	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	199	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	200	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	201	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	202	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	203	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	204	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	205	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	206	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	207	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	208	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	209	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	210	50.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM58	SM3120B	SP-A	211	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	212	119.990	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	213	140.000	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	214	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	215	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	216	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	217	19.990	UG/L	10	NC
CHROMIUM	7440473	ISM58	SM3120B	SP-A	218	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	219	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	220	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	221	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	222	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	223	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	224	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	225	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	226	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	227	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	228	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	229	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	230	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	231	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	232	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	233	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	234	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	235	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	236	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	237	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	238	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	239	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	240	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	241	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	242	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	243	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	244	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	245	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	246	50.000	UG/L	10	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	247	50.000	UG/L	10	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM58	SM3120B	SP-A	248	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	249	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	250	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	251	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	252	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	253	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	254	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	255	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	256	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	257	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	258	50.000	UG/L	10.00	ND
CHROMIUM	7440473	ISM58	SM3120B	SP-A	259	50.000	UG/L	10.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-F +SP-G	1	6.550	MG/L	5.00	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-F +SP-G	2	6.791	MG/L	5.00	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-F +SP-G	3	7.366	MG/L	5.00	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-F +SP-G	4	6.261	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-F +SP-G	5	5.848	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE05	1664	SP-A +SP-B	1	6.000	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE05	1664	SP-A +SP-B	2	6.000	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE05	1664	SP-A +SP-B	3	6.250	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE05	1664	SP-A +SP-B	4	5.750	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE05	1664	SP-A +SP-B	5	6.000	MG/L	5.00	ND
HEXAVALENT CHROMIUM	18540299	ESE04	218.4	SP-F +SP-G	1	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE04	218.4	SP-F +SP-G	2	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE04	218.4	SP-F +SP-G	3	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE04	218.4	SP-F +SP-G	4	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE04	218.4	SP-F +SP-G	5	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE05	218.4	SP-A +SP-B	1	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE05	218.4	SP-A +SP-B	2	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE05	218.4	SP-A +SP-B	3	0.010	MG/L	0.01	ND
HEXAVALENT CHROMIUM	18540299	ESE05	218.4	SP-A +SP-B	4	0.012	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ESE05	218.4	SP-A +SP-B	5	0.013	MG/L	0.01	NC
LEAD	7439921	ISM57	200.7	SP-A	1	4.990	UG/L	50.00	ND
LEAD	7439921	ISM57	200.7	SP-A	2	4.990	UG/L	50.00	ND
LEAD	7439921	ISM57	200.7	SP-A	3	4.990	UG/L	50.00	ND
LEAD	7439921	ISM57	200.7	SP-A	4	4.990	UG/L	50.00	ND
LEAD	7439921	ISM57	200.7	SP-A	5	4.990	UG/L	50.00	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM57	200.7	SP-A	6	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	7	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	8	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	9	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	10	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	11	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	12	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	13	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	14	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	15	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	16	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	17	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	18	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	19	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	20	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	21	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	22	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	23	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	24	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	25	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	26	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	27	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	28	8.000	UG/L	50	NC
LEAD	7439921	ISM57	200.7	SP-A	29	12.000	UG/L	50	NC
LEAD	7439921	ISM57	200.7	SP-A	30	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	32	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	33	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	34	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	35	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	36	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	37	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	38	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	39	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	40	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	41	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	42	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	43	4.990	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM57	200.7	SP-A	44	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	45	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	46	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	47	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	48	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	49	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	50	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	51	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	52	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	53	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	54	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	55	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	56	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	57	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	58	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	59	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	60	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	61	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	62	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	63	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	64	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	65	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	66	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	67	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	68	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	69	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	70	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	71	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	72	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	73	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	74	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	75	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	76	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	77	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	78	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	79	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	80	4.990	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM57	200.7	SP-A	81	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	82	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	83	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	84	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	85	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	86	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	87	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	88	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	89	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	90	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	91	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	92	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	93	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	94	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	95	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	96	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	97	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	98	7.000	UG/L	50	NC
LEAD	7439921	ISM57	200.7	SP-A	99	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	100	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	101	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	102	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	103	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	104	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	105	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	106	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	107	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	108	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	109	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	110	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	111	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	112	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	113	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	114	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	115	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	116	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	117	4.990	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM57	200.7	SP-A	118	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	119	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	120	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	121	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	122	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	123	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	124	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	125	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	126	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	127	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	128	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	129	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	130	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	131	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	132	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	133	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	134	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	135	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	136	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	137	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	138	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	139	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	140	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	141	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	142	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	143	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	144	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	145	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	146	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	147	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	148	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	149	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	150	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	151	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	152	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	153	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	154	4.990	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM57	200.7	SP-A	155	10.990	UG/L	50	NC
LEAD	7439921	ISM57	200.7	SP-A	156	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	157	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	158	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	159	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	160	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	161	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	162	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	163	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	164	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	165	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	166	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	167	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	168	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	169	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	170	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	171	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	172	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	173	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	174	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	175	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	176	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	177	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	178	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	179	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	180	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	181	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	182	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	183	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	184	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	185	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	186	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	187	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	188	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	189	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	190	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	191	4.990	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM57	200.7	SP-A	192	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	193	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	194	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	195	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	196	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	197	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	198	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	199	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	200	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	201	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	202	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	203	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	204	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	205	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	206	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	207	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	208	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	209	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	210	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	211	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	212	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	213	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	214	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	215	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	216	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	217	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	218	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	219	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	220	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	221	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	222	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	223	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	224	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	225	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	226	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	227	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	228	6.000	UG/L	50	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM57	200.7	SP-A	229	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	230	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	231	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	232	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	233	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	234	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	235	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	236	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	237	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	238	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	239	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	240	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	241	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	242	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	243	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	244	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	245	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	246	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	247	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	248	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	249	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	250	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	251	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	252	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	253	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	254	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	255	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	256	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	257	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	258	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	259	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	260	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	261	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	262	4.990	UG/L	50	ND
LEAD	7439921	ISM57	200.7	SP-A	263	4.990	UG/L	50	ND
LEAD	7439921	ESE04	1620	SP-F +SP-G	1	2.000	UG/L	50	ND
LEAD	7439921	ESE04	1620	SP-F +SP-G	2	2.000	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ESE04	1620	SP-F +SP-G	3	2.000	UG/L	50	ND
LEAD	7439921	ESE04	1620	SP-F +SP-G	4	2.000	UG/L	50	ND
LEAD	7439921	ESE04	1620	SP-F +SP-G	5	2.000	UG/L	50	ND
LEAD	7439921	ESE05	1620	SP-A +SP-B	1	2.000	UG/L	50	ND
LEAD	7439921	ESE05	1620	SP-A +SP-B	2	2.000	UG/L	50	ND
LEAD	7439921	ESE05	1620	SP-A +SP-B	3	2.000	UG/L	50	ND
LEAD	7439921	ESE05	1620	SP-A +SP-B	4	2.000	UG/L	50	ND
LEAD	7439921	ESE05	1620	SP-A +SP-B	5	2.000	UG/L	50	ND
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	1	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	2	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	3	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	4	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	5	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	6	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	7	5.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	8	6.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	9	5.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	10	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	11	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	12	7.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	13	6.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	14	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	15	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	16	9.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	17	5.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	18	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	19	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	20	9.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	21	4.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	22	5.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	23	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	24	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	25	6.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	26	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	27	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	28	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	29	6.000	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	31	5.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	32	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	33	6.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	34	28.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	35	8.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	36	6.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	37	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	38	6.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	39	6.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	40	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	41	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	42	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	43	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	44	9.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	45	5.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	46	4.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	47	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	48	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	49	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	50	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	51	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	52	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	53	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	54	8.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	55	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	56	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	57	5.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	58	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	59	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	60	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	61	9.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	62	8.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	63	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	64	8.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	65	5.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	66	6.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	67	4.500	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	68	7.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	69	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	70	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	71	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	72	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	73	6.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	74	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	75	32.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	76	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	77	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	78	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	79	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	80	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	81	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	82	6.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	83	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	84	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	85	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	86	40.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	87	6.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	88	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	89	24.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	90	6.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	91	8.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	92	8.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	93	6.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	94	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	95	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	96	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	97	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	98	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	99	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	100	8.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	101	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	102	9.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	103	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	104	23.000	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	105	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	106	18.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	107	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	108	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	109	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	110	18.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	111	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	112	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	113	38.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	114	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	115	17.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	116	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	117	9.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	118	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	119	19.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	120	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	121	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	122	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	123	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	124	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	125	7.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	126	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	127	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	128	9.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	129	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	130	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	131	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	132	5.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	133	8.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	134	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	135	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	136	7.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	137	1.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	138	6.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	139	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	140	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	141	7.400	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	142	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	143	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	144	9.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	145	6.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	146	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	147	9.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	148	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	149	26.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	150	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	151	9.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	152	18.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	153	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	154	8.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	155	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	156	6.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	157	9.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	158	9.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	159	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	160	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	161	9.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	162	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	163	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	164	8.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	165	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	166	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	167	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	168	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	169	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	170	9.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	171	8.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	172	4.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	173	9.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	174	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	175	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	176	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	177	5.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	178	9.800	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	179	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	180	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	181	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	182	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	183	7.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	184	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	185	6.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	186	2.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	187	6.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	188	9.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	189	5.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	190	8.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	191	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	192	6.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	193	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	194	8.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	195	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	196	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	197	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	198	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	199	6.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	200	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	201	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	202	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	203	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	204	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	205	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	206	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	207	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	208	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	209	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	210	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	211	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	212	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	213	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	214	9.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	215	8.600	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	216	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	217	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	218	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	219	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	220	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	221	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	222	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	223	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	224	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	225	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	226	4.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	227	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	228	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	229	1.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	230	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	231	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	232	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	233	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	234	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	235	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	236	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	237	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	238	7.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	239	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	240	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	241	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	242	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	243	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	244	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	245	6.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	246	5.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	247	34.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	248	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	249	9.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	250	35.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	251	11.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	252	7.600	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	253	8.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	254	5.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	255	7.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	256	22.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	257	14.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	258	18.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	259	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	260	16.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	261	7.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	262	6.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM57	160.2	SP-A	263	6.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-F +SP-G	1	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-F +SP-G	2	6.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-F +SP-G	3	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-F +SP-G	4	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-F +SP-G	5	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE05	160.2	SP-A +SP-B	1	4.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE05	160.2	SP-A +SP-B	2	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE05	160.2	SP-A +SP-B	3	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE05	160.2	SP-A +SP-B	4	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE05	160.2	SP-A +SP-B	5	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	1	5.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	2	8.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	3	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	4	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	5	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	6	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	7	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	8	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	9	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	10	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	11	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	12	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	13	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	14	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	15	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	16	5.800	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	17	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	18	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	19	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	20	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	21	5.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	22	4.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	23	4.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	24	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	25	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	26	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	27	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	28	5.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	29	12.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	30	13.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	31	3.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	32	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	33	9.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	34	8.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	35	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	36	4.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	37	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	38	5.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	39	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	40	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	41	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	42	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	43	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	44	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	45	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	46	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	47	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	48	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	49	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	50	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	51	4.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	52	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	53	4.000	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	54	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	55	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	56	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	57	5.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	58	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	59	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	60	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	61	5.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	62	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	63	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	64	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	65	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	66	2.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	67	4.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	68	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	69	7.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	70	41.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	71	1.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	72	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	73	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	74	1.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	75	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	76	12.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	77	12.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	78	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	79	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	80	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	81	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	82	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	83	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	84	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	85	1.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	86	4.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	87	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	88	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	89	1.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	90	2.800	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	91	3.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	92	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	93	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	94	1.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	95	1.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	96	3.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	97	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	98	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	99	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	100	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	101	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	102	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	103	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	104	1.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	105	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	106	5.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	107	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	108	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	109	10.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	110	4.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	111	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	112	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	113	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	114	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	115	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	116	5.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	117	6.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	118	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	119	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	120	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	121	2.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	122	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	123	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	124	22.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	125	7.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	126	3.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	127	3.400	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	128	1.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	129	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	130	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	131	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	132	1.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	133	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	134	1.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	135	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	136	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	137	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	138	1.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	139	1.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	140	1.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	141	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	142	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	143	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	144	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	145	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	146	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	147	1.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	148	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	149	4.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	150	5.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	151	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	152	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	153	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	154	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	155	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	156	8.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	157	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	158	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	159	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	160	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	161	1.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	162	1.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	163	4.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	164	1.900	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	165	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	166	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	167	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	168	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	169	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	170	1.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	171	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	172	11.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	173	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	174	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	175	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	176	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	177	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	178	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	179	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	180	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	181	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	182	7.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	183	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	184	3.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	185	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	186	4.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	187	8.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	188	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	189	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	190	102.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	191	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	192	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	193	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	194	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	195	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	196	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	197	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	198	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	199	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	200	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	201	3.400	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	202	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	203	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	204	2.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	205	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	206	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	207	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	208	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	209	4.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	210	4.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	211	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	212	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	213	15.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	214	5.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	215	36.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	216	4.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	217	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	218	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	219	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	220	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	221	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	222	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	223	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	224	4.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	225	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	226	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	227	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	228	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	229	2.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	230	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	231	7.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	232	4.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	233	2.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	234	5.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	235	6.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	236	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	237	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	238	3.400	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	239	5.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	240	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	241	6.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	242	2.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	243	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	244	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	245	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	246	2.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	247	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	248	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	249	2.900	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	250	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	251	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	252	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	253	9.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	254	5.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	255	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	256	1.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	257	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	258	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM58	SM209C	SP-A	259	11.100	MG/L	4	NC
ZINC	7440666	ISM57	200.7	SP-A	1	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	2	14.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	3	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	4	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	5	35.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	6	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	7	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	8	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	9	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	10	10.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	11	23.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	12	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	13	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	14	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	15	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	16	14.990	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM57	200.7	SP-A	17	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	18	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	19	19.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	20	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	21	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	22	24.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	23	14.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	24	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	25	24.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	26	79.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	27	101.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	28	123.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	29	157.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	30	128.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	32	45.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	33	59.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	34	46.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	35	48.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	36	41.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	37	32.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	38	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	39	70.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	41	85.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	42	97.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	43	43.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	44	65.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	45	86.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	46	75.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	47	28.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	48	37.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	49	122.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	50	134.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	51	317.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	52	404.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	53	175.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	54	112.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	55	104.000	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM57	200.7	SP-A	56	48.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	57	43.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	58	74.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	59	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	60	41.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	61	28.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	62	10.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	63	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	64	52.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	65	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	66	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	67	37.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	68	56.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	69	48.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	70	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	71	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	72	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	73	10.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	74	24.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	75	57.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	76	41.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	77	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	78	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	79	78.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	80	48.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	81	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	82	28.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	83	48.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	84	61.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	85	48.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	86	111.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	87	41.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	88	25.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	89	46.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	90	28.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	91	29.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	92	9.990	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM57	200.7	SP-A	93	94.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	94	48.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	95	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	96	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	97	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	98	16.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	99	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	100	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	101	32.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	102	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	103	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	104	39.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	105	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	106	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	107	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	108	21.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	109	71.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	110	48.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	111	105.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	112	32.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	113	82.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	114	30.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	115	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	116	50.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	117	24.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	118	16.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	119	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	120	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	121	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	122	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	123	35.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	124	37.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	125	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	126	112.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	127	23.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	128	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	129	9.990	UG/L	20	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM57	200.7	SP-A	130	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	131	35.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	132	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	133	32.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	134	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	135	25.000	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	136	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	137	35.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	138	35.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	139	14.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	140	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	141	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	142	78.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	143	29.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	144	29.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	145	30.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	146	35.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	147	16.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	148	34.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	149	28.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	150	17.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	151	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	152	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	153	28.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	154	79.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	155	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	156	65.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	157	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	158	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	159	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	160	94.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	161	10.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	162	23.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	163	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	164	14.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	165	16.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	166	24.000	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM57	200.7	SP-A	167	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	168	14.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	169	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	170	12.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	171	28.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	172	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	173	37.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	174	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	175	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	176	93.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	177	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	178	25.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	179	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	180	16.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	181	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	182	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	183	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	184	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	185	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	186	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	187	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	188	13.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	189	9.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	190	17.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	191	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	192	23.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	193	24.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	194	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	195	43.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	196	32.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	197	50.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	198	10.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	199	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	200	12.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	201	14.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	202	50.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	203	10.990	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM57	200.7	SP-A	204	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	205	56.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	206	54.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	207	28.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	208	14.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	209	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	210	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	211	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	212	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	213	59.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	214	35.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	215	28.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	216	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	217	32.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	218	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	219	26.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	220	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	221	21.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	222	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	223	29.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	224	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	225	12.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	226	19.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	227	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	228	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	229	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	230	24.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	231	17.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	232	30.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	233	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	234	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	235	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	236	9.990	UG/L	20	ND
ZINC	7440666	ISM57	200.7	SP-A	237	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	238	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	239	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	240	64.990	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM57	200.7	SP-A	241	14.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	242	24.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	243	12.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	244	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	245	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	246	12.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	247	46.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	248	39.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	249	20.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	250	46.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	251	16.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	252	18.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	253	12.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	254	48.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	255	29.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	256	43.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	257	70.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	258	101.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	259	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	260	46.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	261	65.990	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	262	27.000	UG/L	20	NC
ZINC	7440666	ISM57	200.7	SP-A	263	48.000	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-F +SP-G	1	35.950	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-F +SP-G	2	10.000	UG/L	20	ND
ZINC	7440666	ESE04	1620	SP-F +SP-G	3	12.200	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-F +SP-G	4	16.200	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-F +SP-G	5	131.000	UG/L	20	NC
ZINC	7440666	ESE05	1620	SP-A +SP-B	1	9.800	UG/L	20	NC
ZINC	7440666	ESE05	1620	SP-A +SP-B	2	8.000	UG/L	20	ND
ZINC	7440666	ESE05	1620	SP-A +SP-B	3	11.900	UG/L	20	NC
ZINC	7440666	ESE05	1620	SP-A +SP-B	4	18.400	UG/L	20	NC
ZINC	7440666	ESE05	1620	SP-A +SP-B	5	9.000	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ESE06	350.2	SP-A +SP-B	1	2.310	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE06	350.2	SP-A +SP-B	2	0.955	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE06	350.2	SP-A +SP-B	3	1.905	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE06	350.2	SP-A +SP-B	4	1.890	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE06	350.2	SP-A +SP-B	5	1.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	1	27.300	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	3	21.500	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	5	22.600	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	7	19.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	9	32.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	11	25.400	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	13	12.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	15	19.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	17	16.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	19	26.700	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	21	19.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM59	NA	SP-A	23	16.000	MG/L	0.05	NC
CHROMIUM	7440473	ESE06	1620	SP-A +SP-B	1	69.500	UG/L	10.00	NC
CHROMIUM	7440473	ESE06	1620	SP-A +SP-B	2	298.000	UG/L	10.00	NC
CHROMIUM	7440473	ESE06	1620	SP-A +SP-B	3	130.500	UG/L	10.00	NC
CHROMIUM	7440473	ESE06	1620	SP-A +SP-B	4	82.900	UG/L	10.00	NC
CHROMIUM	7440473	ESE06	1620	SP-A +SP-B	5	80.300	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	1	72.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	2	78.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	3	67.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	4	72.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	5	74.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	6	59.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	7	74.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	8	74.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	9	83.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	10	89.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	11	76.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	12	74.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	13	34.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	14	61.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	15	67.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	16	86.990	UG/L	10.00	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ISM59	NA	SP-A	17	61.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	18	59.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	19	71.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	20	79.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	21	122.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	22	97.990	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	23	68.000	UG/L	10.00	NC
CHROMIUM	7440473	ISM59	NA	SP-A	24	75.000	UG/L	10.00	NC
FLUORIDE	16984488	ESE06	340.2	SP-A +SP-B	1	16.900	MG/L	0.10	NC
FLUORIDE	16984488	ESE06	340.2	SP-A +SP-B	2	20.600	MG/L	0.10	NC
FLUORIDE	16984488	ESE06	340.2	SP-A +SP-B	3	14.000	MG/L	0.10	NC
FLUORIDE	16984488	ESE06	340.2	SP-A +SP-B	4	15.800	MG/L	0.10	NC
FLUORIDE	16984488	ESE06	340.2	SP-A +SP-B	5	14.200	MG/L	0.10	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE06	1664	SP-A +SP-B	1	7.625	MG/L	5.00	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE06	1664	SP-A +SP-B	2	5.875	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE06	1664	SP-A +SP-B	3	6.000	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE06	1664	SP-A +SP-B	4	5.500	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE06	1664	SP-A +SP-B	5	6.000	MG/L	5.00	ND
HEXAVALENT CHROMIUM	18540299	ESE06	218.4	SP-A +SP-B	1	0.094	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ESE06	218.4	SP-A +SP-B	2	0.215	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ESE06	218.4	SP-A +SP-B	3	0.150	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ESE06	218.4	SP-A +SP-B	4	0.085	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ESE06	218.4	SP-A +SP-B	5	0.066	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	1	0.034	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	2	0.041	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	3	0.023	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	4	0.029	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	5	0.029	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	6	0.023	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	7	0.034	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	8	0.029	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	9	0.026	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	10	0.028	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	11	0.030	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	12	0.030	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	13	0.016	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	14	0.022	MG/L	0.01	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	15	0.028	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	16	0.037	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	17	0.028	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	18	0.027	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	19	0.030	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	20	0.032	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	21	0.044	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	22	0.037	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	23	0.025	MG/L	0.01	NC
HEXAVALENT CHROMIUM	18540299	ISM59	NA	SP-A	24	0.032	MG/L	0.01	NC
NICKEL	7440020	ESE06	1620	SP-A +SP-B	1	42.650	UG/L	40.00	NC
NICKEL	7440020	ESE06	1620	SP-A +SP-B	2	33.400	UG/L	40.00	NC
NICKEL	7440020	ESE06	1620	SP-A +SP-B	3	24.950	UG/L	40.00	NC
NICKEL	7440020	ESE06	1620	SP-A +SP-B	4	18.000	UG/L	40.00	ND
NICKEL	7440020	ESE06	1620	SP-A +SP-B	5	25.200	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	1	57.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	2	34.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	3	59.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	4	46.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	5	64.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	6	43.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	7	54.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	8	43.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	9	61.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	10	43.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	11	79.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	12	52.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	13	64.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	14	52.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	15	68.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	16	56.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	17	76.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	18	54.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	19	59.990	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	20	71.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	21	63.000	UG/L	40.00	NC
NICKEL	7440020	ISM59	NA	SP-A	22	90.000	UG/L	40.00	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
NICKEL	7440020	ISM59	NA	SP-A	23	52.000	UG/L	40	NC
NICKEL	7440020	ISM59	NA	SP-A	24	45.000	UG/L	40	NC
TOTAL SUSPENDED SOLIDS	C009	ESE06	160.2	SP-A +SP-B	1	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE06	160.2	SP-A +SP-B	2	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE06	160.2	SP-A +SP-B	3	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE06	160.2	SP-A +SP-B	4	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE06	160.2	SP-A +SP-B	5	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	1	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	2	1.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	3	3.300	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	4	1.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	5	3.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	6	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	7	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	8	1.700	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	9	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	10	1.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	11	3.400	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	12	5.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	13	3.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	14	1.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	15	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	16	1.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	17	3.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	18	4.200	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	19	5.800	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	20	1.100	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	21	2.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	22	3.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	23	1.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ISM59	NA	SP-A	24	3.700	MG/L	4	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_HOTFORM -- Option=CARBON_BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-E	1	6.340	MG/L	5	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-E	2	7.705	MG/L	5	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE04	1664	SP-E	3	5.410	MG/L	5	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE07	1664	SP-A	2	5.500	MG/L	5	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE07	1664	SP-A	3	6.000	MG/L	5	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE07	1664	SP-A	4	8.000	MG/L	5	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE07	1664	SP-A	5	7.030	MG/L	5	NC
LEAD	7439921	ESE04	1620	SP-E	1	28.000	UG/L	50	ND
LEAD	7439921	ESE04	1620	SP-E	2	15.000	UG/L	50	ND
LEAD	7439921	ESE04	1620	SP-E	3	15.000	UG/L	50	ND
LEAD	7439921	ESE07	1620	SP-A	2	12.100	UG/L	50	NC
LEAD	7439921	ESE07	1620	SP-A	3	2.000	UG/L	50	ND
LEAD	7439921	ESE07	1620	SP-A	4	2.100	UG/L	50	NC
LEAD	7439921	ESE07	1620	SP-A	5	2.100	UG/L	50	NC
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-E	1	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-E	2	15.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE04	160.2	SP-E	3	21.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE07	160.2	SP-A	2	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE07	160.2	SP-A	3	13.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE07	160.2	SP-A	4	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE07	160.2	SP-A	5	4.000	MG/L	4	ND
ZINC	7440666	ESE04	1620	SP-E	1	4.000	UG/L	20	ND
ZINC	7440666	ESE04	1620	SP-E	2	2.800	UG/L	20	ND
ZINC	7440666	ESE04	1620	SP-E	3	2.800	UG/L	20	ND
ZINC	7440666	ESE07	1620	SP-A	2	140.000	UG/L	20	NC
ZINC	7440666	ESE07	1620	SP-A	3	246.000	UG/L	20	NC
ZINC	7440666	ESE07	1620	SP-A	4	142.000	UG/L	20	NC
ZINC	7440666	ESE07	1620	SP-A	5	158.000	UG/L	20	NC

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	1	10.182	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	2	10.501	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	3	12.510	UG/L	50	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	4	14.389	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	5	12.137	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	6	11.206	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	7	13.896	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	8	12.727	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	9	10.341	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	10	30.930	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	11	16.137	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	12	11.052	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	1	14.542	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	14	13.895	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	15	14.391	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	16	15.858	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	17	14.499	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	18	13.374	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	19	16.423	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	20	13.641	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	21	15.663	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	22	14.405	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	23	19.056	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	24	12.162	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	25	12.540	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	26	12.284	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	27	11.833	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	28	19.682	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	29	14.618	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	30	14.465	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	4	16.311	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	32	17.330	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	6	13.287	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	7	14.234	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	8	12.992	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	9	14.722	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	37	21.691	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	38	22.348	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	11	14.684	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	40	18.127	UG/L	50	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	41	16.640	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	42	16.927	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	15	14.737	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	44	15.434	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	45	12.874	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	46	13.682	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	47	15.065	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	48	11.106	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	49	12.148	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	50	12.446	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	51	16.814	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	52	22.391	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	20	13.708	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	21	13.299	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	22	14.532	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	56	11.912	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	57	12.186	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	58	11.247	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	59	15.352	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	60	19.436	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	61	12.277	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	62	15.179	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	63	23.707	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	29	12.010	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	30	18.472	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	31	12.179	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	32	11.554	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	68	20.396	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	34	11.758	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	70	11.780	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	36	13.334	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	37	12.608	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	38	13.379	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	39	12.152	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	40	11.219	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	76	12.947	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	77	13.301	UG/L	50	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	43	11.566	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	44	13.640	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	80	10.754	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	81	10.981	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	82	10.074	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	45	11.277	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	84	10.327	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	85	12.513	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	86	12.532	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	87	12.619	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	88	12.090	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	47	12.648	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	48	13.274	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	91	12.966	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	92	12.629	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	50	14.335	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	94	17.503	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	52	14.183	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	53	12.619	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	54	12.768	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	98	14.457	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	99	12.419	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	57	12.080	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	58	11.477	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	59	10.377	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	60	9.827	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	104	11.315	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	62	15.407	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	106	10.985	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	64	10.222	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	108	14.619	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	109	9.344	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	110	9.779	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	111	10.962	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	112	9.214	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	113	8.762	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	114	8.942	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	115	9.542	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	116	10.389	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	117	9.776	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	118	12.131	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	119	9.449	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	120	11.230	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	65	14.910	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	66	11.541	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	67	15.217	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	68	11.814	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	69	8.045	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	70	12.028	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	71	11.706	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	128	16.630	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	129	14.306	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	130	13.128	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	131	9.579	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	132	11.812	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	133	12.425	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	134	12.725	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	135	12.588	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	136	14.913	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	137	13.629	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	138	12.061	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	139	13.564	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	140	12.397	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	141	11.412	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	142	13.059	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	143	13.214	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	144	12.533	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	145	14.020	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	146	12.641	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	147	12.122	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	148	11.507	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	73	12.876	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	150	12.951	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	151	12.381	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	152	11.326	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	153	12.680	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	74	13.295	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	155	12.705	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	156	14.070	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	157	13.205	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	158	13.440	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	159	14.349	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	160	14.459	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	75	16.513	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	76	17.593	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	163	15.550	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	77	14.721	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	165	13.702	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	166	14.150	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	167	13.286	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	168	10.900	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	169	11.443	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	170	11.538	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	171	13.684	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	172	14.752	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	173	14.032	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	174	13.441	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	175	16.888	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	176	14.523	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	177	13.884	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	178	15.067	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	179	13.330	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	180	13.633	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	181	13.247	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	182	13.197	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	183	11.808	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	184	13.258	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	185	13.647	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	186	13.879	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	81	13.131	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	188	13.551	UG/L	50	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	189	12.439	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	190	12.852	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	191	12.776	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	192	12.722	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	83	13.992	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	84	11.617	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	195	13.277	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	85	13.417	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	197	12.484	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	198	13.108	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	199	13.268	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	200	13.635	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	201	13.273	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	86	16.868	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	203	15.779	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	204	12.246	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	205	20.024	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	206	11.287	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	207	13.252	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	208	17.674	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	209	14.140	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	210	13.304	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	211	15.534	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	212	14.457	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	213	22.256	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	214	14.121	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	215	22.507	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	216	17.513	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	87	22.120	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	218	17.776	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	89	14.439	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	90	16.921	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	223	18.790	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	224	13.115	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	225	17.043	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	226	14.226	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	227	15.307	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	230	14.079	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	92	14.162	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	232	14.587	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	233	22.171	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	234	13.909	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	237	14.678	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	238	12.188	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	239	12.517	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	93	13.940	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	94	13.618	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	244	12.782	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	245	13.974	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	246	12.535	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	247	14.416	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	248	12.093	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	251	16.378	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	252	12.865	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	253	13.665	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	254	12.951	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	255	15.208	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	258	16.084	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	95	22.382	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	260	15.065	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	261	15.784	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	262	15.366	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	265	15.235	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	266	15.594	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	267	13.592	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	268	13.335	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	269	15.968	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	272	17.087	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	273	14.148	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	274	13.690	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	275	17.271	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	276	16.197	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	279	16.954	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	280	11.969	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	281	16.040	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	282	11.391	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	283	13.832	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	286	16.139	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	97	12.761	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	288	13.802	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	289	15.342	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	290	10.964	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	293	17.703	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	98	16.850	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	295	14.568	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	99	14.053	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	297	13.608	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	300	18.318	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	301	11.810	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	302	12.874	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	303	14.509	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	304	13.277	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	307	13.524	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	308	12.197	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	309	13.397	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	310	23.784	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	311	11.825	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	104	11.659	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	105	22.553	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	316	12.114	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	317	13.549	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	318	13.803	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	321	12.933	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	322	20.745	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	323	26.385	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	324	14.190	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	325	23.450	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	328	14.737	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	329	14.265	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	330	15.434	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	331	14.138	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM60	200.7	SP-A	332	18.613	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	109	13.532	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	110	14.969	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	111	14.290	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	112	14.003	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	339	11.251	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	342	15.371	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	343	17.555	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	344	16.383	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	345	14.647	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	346	18.438	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	349	14.797	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	350	14.913	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	113	10.441	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	352	12.387	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	114	15.701	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	356	16.246	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	357	15.041	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	358	14.948	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	359	16.516	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	360	15.928	UG/L	50	NC
LEAD	7439921	ISM60	200.7	SP-A	363	15.147	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	364	15.076	UG/L	50	ND
LEAD	7439921	ISM60	200.7	SP-A	365	14.781	UG/L	50	NC
LEAD	7439921	ESE04	1620	SP-A,B+C,D	1	16.712	UG/L	50	NC
LEAD	7439921	ESE04	1620	SP-A,B+C,D	2	12.090	UG/L	50	NC
LEAD	7439921	ESE04	1620	SP-A,B+C,D	3	12.006	UG/L	50	NC
LEAD	7439921	ESE04	1620	SP-A,B+C,D	4	8.388	UG/L	50	NC
LEAD	7439921	ESE04	1620	SP-A,B+C,D	5	8.236	UG/L	50	NC
ZINC	7440666	ISM60	200.7	SP-A	1	39.431	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	2	63.980	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	3	107.187	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	4	100.254	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	5	181.994	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	6	85.977	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	7	130.444	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	8	92.900	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	9	56.934	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	10	259.749	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	11	169.913	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	12	98.772	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	1	62.630	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	14	98.138	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	15	119.023	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	16	201.082	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	17	123.292	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	18	157.501	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	19	95.227	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	20	77.766	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	21	184.772	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	22	111.943	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	2	76.904	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	24	118.855	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	25	117.817	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	26	52.435	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	27	58.453	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	28	123.543	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	29	195.888	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	30	92.575	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	4	105.719	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	5	90.524	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	6	93.230	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	7	130.860	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	8	67.448	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	9	170.806	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	37	253.343	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	10	119.171	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	11	94.258	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	12	109.250	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	13	114.568	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	14	168.912	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	15	154.565	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	44	128.151	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	45	88.483	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	16	99.528	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	47	146.822	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	17	93.286	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	49	98.639	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	50	76.262	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	18	101.817	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	19	256.739	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	20	116.187	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	21	96.588	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	22	135.778	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	23	124.594	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	57	83.665	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	58	62.308	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	24	65.461	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	25	78.884	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	26	122.422	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	27	176.749	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	28	289.735	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	29	133.244	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	30	157.178	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	31	145.770	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	32	116.522	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	33	283.957	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	34	110.786	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	35	116.514	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	36	48.717	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	37	62.308	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	38	47.536	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	39	63.907	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	40	60.942	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	41	86.958	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	42	131.365	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	43	72.270	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	44	138.162	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	80	76.281	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	81	63.948	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	82	91.301	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	45	58.346	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	84	54.046	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	85	82.693	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	86	79.495	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	87	92.683	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	88	82.449	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	47	79.144	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	48	151.239	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	49	107.919	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	92	95.485	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	50	207.360	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	51	147.005	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	95	62.276	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	96	74.894	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	54	77.312	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	55	89.548	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	56	73.958	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	57	65.861	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	58	72.300	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	59	71.626	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	60	57.621	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	61	56.881	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	62	125.716	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	63	56.404	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	107	77.609	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	108	99.310	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	109	52.854	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	110	51.711	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	111	75.985	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	112	59.047	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	113	45.498	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	114	27.445	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	115	45.872	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	116	61.742	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	117	109.176	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	118	137.960	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	119	82.579	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	120	115.630	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	65	159.523	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	66	80.173	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	67	159.883	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	68	75.941	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	69	53.377	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	70	55.155	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	71	62.050	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	128	131.198	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	129	146.767	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	130	96.176	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	131	68.925	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	132	66.509	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	133	100.416	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	134	80.182	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	135	77.515	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	136	105.552	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	137	69.654	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	138	74.727	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	139	132.098	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	140	91.639	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	141	68.698	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	142	99.411	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	143	87.103	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	144	99.912	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	145	119.067	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	146	119.112	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	147	92.792	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	148	70.917	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	73	61.323	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	150	77.800	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	151	98.179	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	152	77.737	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	153	73.182	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	74	74.994	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	155	51.021	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	156	86.541	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	157	76.645	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	158	106.405	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	159	126.500	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	160	114.148	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	75	139.994	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	76	158.634	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	163	145.405	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	77	105.453	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	165	63.898	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	166	110.875	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	167	96.254	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	168	61.557	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	169	49.154	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	170	47.874	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	171	63.970	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	172	102.086	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	173	88.504	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	174	64.721	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	175	87.072	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	176	92.956	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	177	71.990	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	178	82.468	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	179	57.259	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	180	155.674	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	181	156.973	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	182	128.789	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	183	64.471	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	78	56.482	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	79	65.151	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	186	68.238	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	81	103.579	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	188	107.978	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	189	55.259	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	190	35.601	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	191	47.552	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	192	85.047	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	83	70.844	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	84	40.647	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	195	39.397	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	196	23.775	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	197	45.696	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	198	59.211	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	199	39.877	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	200	50.709	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	201	32.843	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	86	93.296	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	203	36.936	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	204	65.956	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	205	209.714	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	206	53.695	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	207	42.449	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	208	71.195	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	209	52.795	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	210	31.587	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	211	56.069	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	212	33.733	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	213	267.561	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	214	73.363	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	215	183.512	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	216	112.888	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	87	121.265	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	88	93.362	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	89	64.665	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	90	37.245	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	223	71.935	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	224	29.875	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	225	53.354	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	226	29.232	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	227	24.330	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	230	32.553	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	92	33.782	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	232	36.888	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	233	95.926	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	234	67.630	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	237	67.308	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	238	39.198	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	239	35.495	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	240	44.278	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	94	54.207	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	244	94.430	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	245	143.401	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	246	84.812	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	247	83.998	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	248	43.439	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	251	77.551	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	252	49.296	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	253	80.508	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	254	40.912	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	255	67.882	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	258	65.853	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	95	56.437	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	260	39.432	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	261	52.012	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	262	90.585	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	265	50.638	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	266	73.914	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	267	66.474	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	268	47.412	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	269	166.807	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	272	65.054	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	273	46.068	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	274	45.119	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	275	53.722	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	276	44.705	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	279	43.203	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	280	40.661	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	281	42.409	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	282	25.868	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	283	64.637	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	286	57.568	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	97	35.042	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	288	34.376	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	289	36.226	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	290	36.383	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	293	81.590	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	98	74.850	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	295	38.373	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	99	52.509	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	297	84.399	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	300	106.563	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	301	79.564	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	302	73.288	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	303	41.582	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	304	58.785	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	307	64.944	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	308	74.338	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	309	68.384	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	310	120.891	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	311	46.411	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	104	48.959	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	105	134.536	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	316	43.581	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	317	80.046	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	318	114.989	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	321	27.516	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	322	57.595	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	323	81.668	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	324	45.751	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	325	160.942	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	328	88.574	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	329	55.490	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	330	20.501	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	331	89.869	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	332	194.587	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	335	93.810	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	336	58.988	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	337	73.997	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	112	97.774	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM60	200.7	SP-A	339	62.640	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	342	70.334	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	343	120.623	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	344	145.605	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	345	86.372	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	346	198.661	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	349	144.535	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	350	117.905	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	351	57.388	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	352	59.234	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	353	125.823	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	356	209.204	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	357	111.593	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	358	119.978	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	359	152.117	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	360	196.369	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	363	157.369	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	364	121.313	UG/L	20	NC
ZINC	7440666	ISM60	200.7	SP-A	365	141.636	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-A,B+C,D	1	70.045	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-A,B+C,D	2	39.051	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-A,B+C,D	3	26.380	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-A,B+C,D	4	47.111	UG/L	20	NC
ZINC	7440666	ESE04	1620	SP-A,B+C,D	5	42.071	UG/L	20	NC

---------- Subcategory=IRON -- Option=BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	1	0.114	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	8	0.124	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	15	0.164	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	22	0.536	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	29	0.294	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	36	0.221	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	44	0.178	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	50	0.170	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	57	0.272	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	64	0.249	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	71	0.806	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	78	0.485	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	85	0.203	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	93	0.461	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	99	0.232	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	106	0.159	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	120	0.136	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	127	0.543	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	134	0.250	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	141	0.115	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	148	0.483	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	155	0.261	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	162	0.402	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	170	0.175	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	176	0.356	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	182	0.088	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	189	0.082	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	196	0.252	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	203	0.310	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	210	0.145	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	217	0.101	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	243	0.079	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	249	0.171	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	257	0.116	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	263	0.118	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	270	0.487	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	277	0.792	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	284	0.115	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	291	0.116	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	305	0.116	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	312	0.546	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	319	0.410	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	326	0.556	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	333	0.095	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	340	0.100	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	347	0.103	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	354	0.476	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM52	SM4500-NH3F	SP-A	361	0.436	MG/L	0.05	NC
LEAD	7439921	ISM61	239.2	SP-A	308	3.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	315	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	322	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	328	2.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	336	1.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	343	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	350	2.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	356	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	363	4.990	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	8	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	16	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	22	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	29	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	37	1.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	41	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	50	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	59	4.990	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	64	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	71	3.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	78	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	85	2.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	90	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	97	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	104	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	111	1.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	120	3.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	125	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	132	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	139	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	147	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	153	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	160	1.000	UG/L	50.00	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM61	239.2	SP-A	167	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	177	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	180	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	191	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	197	3.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	204	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	211	4.990	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	218	2.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	225	3.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	232	12.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	239	17.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	246	23.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	254	18.990	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	260	8.990	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	267	12.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	274	13.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	279	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	286	1.000	UG/L	50.00	ND
LEAD	7439921	ISM61	239.2	SP-A	293	1.000	UG/L	50.00	NC
LEAD	7439921	ISM61	239.2	SP-A	302	1.000	UG/L	50.00	ND
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	1	1.253	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	8	0.233	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	15	1.322	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	22	1.689	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	29	3.806	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	36	0.921	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	44	1.026	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	50	2.388	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	57	2.035	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	64	0.800	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	71	2.713	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	78	2.604	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	85	0.804	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	93	0.878	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	99	1.167	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	106	0.945	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	120	1.590	MG/L	0.02	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	127	2.471	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	134	1.334	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	141	1.855	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	148	1.958	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	155	1.855	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	162	0.354	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	170	1.193	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	176	1.255	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	182	0.450	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	196	0.717	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	203	0.651	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	210	0.540	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	217	2.621	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	243	3.468	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	249	2.130	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	257	2.822	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	263	1.546	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	270	0.789	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	277	0.658	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	284	1.194	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	291	0.501	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	305	0.537	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	312	0.135	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	319	0.087	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	326	0.062	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	333	0.275	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	340	0.738	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	347	1.108	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	354	1.130	MG/L	0.02	NC
TOTAL CYANIDE	57125	ISM52	SM4500-CNC	SP-A	361	0.629	MG/L	0.02	NC
ZINC	7440666	ISM61	200.7	SP-A	308	9.990	UG/L	20.00	ND
ZINC	7440666	ISM61	200.7	SP-A	315	17.000	UG/L	20.00	NC
ZINC	7440666	ISM61	200.7	SP-A	322	9.990	UG/L	20.00	ND
ZINC	7440666	ISM61	200.7	SP-A	328	9.990	UG/L	20.00	ND
ZINC	7440666	ISM61	200.7	SP-A	336	9.990	UG/L	20.00	ND
ZINC	7440666	ISM61	200.7	SP-A	343	9.990	UG/L	20.00	NC
ZINC	7440666	ISM61	200.7	SP-A	350	50.000	UG/L	20.00	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM61	200.7	SP-A	356	9.990	UG/L	20	ND
ZINC	7440666	ISM61	200.7	SP-A	363	72.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	8	9.990	UG/L	20	ND
ZINC	7440666	ISM61	200.7	SP-A	16	13.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	22	13.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	29	9.990	UG/L	20	ND
ZINC	7440666	ISM61	200.7	SP-A	37	21.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	41	45.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	50	13.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	59	85.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	64	54.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	71	48.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	78	18.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	85	14.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	90	26.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	97	9.990	UG/L	20	ND
ZINC	7440666	ISM61	200.7	SP-A	104	9.990	UG/L	20	ND
ZINC	7440666	ISM61	200.7	SP-A	111	37.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	120	25.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	125	20.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	132	219.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	139	17.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	147	14.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	153	76.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	160	68.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	167	86.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	177	10.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	180	35.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	191	12.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	197	9.990	UG/L	20	ND
ZINC	7440666	ISM61	200.7	SP-A	204	37.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	211	57.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	218	10.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	225	50.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	232	10.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	239	17.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	246	54.990	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

Subcategory=IRON -- Option=BAT1 (continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM61	200.7	SP-A	254	30.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	260	39.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	267	16.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	274	75.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	279	140.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	286	87.990	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	293	46.000	UG/L	20	NC
ZINC	7440666	ISM61	200.7	SP-A	302	19.990	UG/L	20	NC

Subcategory=IRON -- Option=PSES1

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
2378-TCDF	51207319	ESE08	1613B	SP-A +SP-B	1	10.000	PG/L	10.00	ND
2378-TCDF	51207319	ESE08	1613B	SP-A +SP-B	3	10.000	PG/L	10.00	ND
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	1	58.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	7	66.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	8	68.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	14	60.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	15	60.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	21	70.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	22	72.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	28	69.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	29	82.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	35	61.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	36	63.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	42	70.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	43	72.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	49	58.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	50	52.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	56	53.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	57	54.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	63	68.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	64	58.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	70	68.000	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	71	59.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	77	49.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	78	56.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	84	59.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	85	54.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	91	46.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	92	12.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	94	73.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	95	76.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	97	76.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	98	77.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	100	95.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	101	88.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	103	82.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	104	76.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	106	100.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	107	100.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	109	89.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	110	99.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	112	79.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	113	84.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	115	90.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	116	98.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	118	93.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	119	86.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	121	93.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	122	77.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	124	86.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	125	76.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	127	77.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	128	70.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	129	74.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	130	85.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	132	80.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	133	77.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	135	69.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	136	66.000	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	138	79.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	139	73.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	141	71.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	142	74.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	144	79.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	145	78.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	147	76.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	148	85.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	150	74.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	151	81.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	153	68.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	154	67.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	156	65.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	158	65.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	159	59.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	161	72.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	162	79.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	164	56.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	165	58.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	167	69.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	168	60.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	170	61.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	171	59.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	173	55.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	174	60.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	176	70.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	177	66.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	179	62.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	180	68.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	182	64.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	183	61.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	185	65.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	186	63.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	188	66.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	189	57.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	191	77.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	192	72.000	MG/L	0.05	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	194	58.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	195	65.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	197	67.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	198	72.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	200	59.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	201	69.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	203	70.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	204	67.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	205	67.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ISM62	SM4500-NH3E	SP-A	206	72.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE08	350.2	SP-A +SP-B	1	80.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE08	350.2	SP-A +SP-B	2	64.000	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE08	350.2	SP-A +SP-B	3	84.500	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE08	350.2	SP-A +SP-B	4	72.500	MG/L	0.05	NC
AMMONIA AS NITROGEN	7664417	ESE08	350.2	SP-A +SP-B	5	71.000	MG/L	0.05	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE08	1664	SP-A +SP-B	1	5.750	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE08	1664	SP-A +SP-B	2	5.875	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE08	1664	SP-A +SP-B	3	6.000	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE08	1664	SP-A +SP-B	4	5.750	MG/L	5.00	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE08	1664	SP-A +SP-B	5	6.000	MG/L	5.00	ND
LEAD	7439921	ISM62	200.7	SP-A	1	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	7	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	8	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	14	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	15	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	21	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	22	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	28	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	29	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	35	50.000	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	36	4.990	UG/L	50.00	ND
LEAD	7439921	ISM62	200.7	SP-A	42	7.000	UG/L	50.00	NC
LEAD	7439921	ISM62	200.7	SP-A	43	8.990	UG/L	50.00	NC
LEAD	7439921	ISM62	200.7	SP-A	49	9.990	UG/L	50.00	NC
LEAD	7439921	ISM62	200.7	SP-A	50	26.000	UG/L	50.00	NC
LEAD	7439921	ISM62	200.7	SP-A	56	13.000	UG/L	50.00	NC
LEAD	7439921	ISM62	200.7	SP-A	57	6.000	UG/L	50.00	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM62	200.7	SP-A	63	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	64	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	70	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	71	8.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	77	9.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	78	14.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	84	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	85	10.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	91	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	92	9.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	94	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	95	14.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	97	13.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	98	8.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	100	12.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	101	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	103	37.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	104	28.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	106	39.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	107	30.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	109	13.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	110	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	112	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	113	35.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	115	30.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	116	46.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	118	43.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	119	16.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	121	13.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	122	23.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	124	12.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	125	27.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	127	16.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	128	27.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	129	52.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	130	12.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	132	19.990	UG/L	50	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM62	200.7	SP-A	133	23.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	135	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	136	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	138	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	139	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	141	8.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	142	7.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	144	27.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	145	12.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	147	8.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	148	14.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	150	4.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	151	7.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	153	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	154	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	156	16.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	158	10.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	159	8.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	161	14.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	162	18.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	164	12.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	165	17.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	167	14.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	168	43.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	170	19.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	171	19.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	173	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	174	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	176	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	177	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	179	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	180	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	182	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	183	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	185	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	186	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	188	4.990	UG/L	50	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM62	200.7	SP-A	189	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	191	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	192	20.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	194	7.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	195	8.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	197	14.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	198	6.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	200	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	201	4.990	UG/L	50	ND
LEAD	7439921	ISM62	200.7	SP-A	203	29.990	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	204	41.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	205	52.000	UG/L	50	NC
LEAD	7439921	ISM62	200.7	SP-A	206	24.000	UG/L	50	NC
LEAD	7439921	ESE08	1620	SP-A +SP-B	1	44.200	UG/L	50	NC
LEAD	7439921	ESE08	1620	SP-A +SP-B	2	57.100	UG/L	50	NC
LEAD	7439921	ESE08	1620	SP-A +SP-B	3	37.250	UG/L	50	NC
LEAD	7439921	ESE08	1620	SP-A +SP-B	4	52.700	UG/L	50	NC
LEAD	7439921	ESE08	1620	SP-A +SP-B	5	67.500	UG/L	50	NC
ZINC	7440666	ISM62	200.7	SP-A	1	170.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	7	59.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	8	79.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	14	180.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	15	180.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	21	79.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	22	239.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	28	109.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	29	79.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	35	109.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	36	90.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	42	140.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	43	140.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	49	349.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	50	839.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	56	469.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	57	150.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	63	140.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	64	100.000	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM62	200.7	SP-A	70	140.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	71	330.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	77	310.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	78	430.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	84	90.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	85	300.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	91	129.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	92	389.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	95	460.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	97	430.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	98	200.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	100	360.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	101	119.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	103	930.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	104	759.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	106	970.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	107	759.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	109	310.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	110	129.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	112	100.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	113	709.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	115	670.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	116	990.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	118	910.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	119	430.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	121	340.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	122	509.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	124	270.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	125	569.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	127	310.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	128	589.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	129	1000.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	130	250.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	132	319.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	133	379.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	135	90.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	136	59.990	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM62	200.7	SP-A	138	90.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	139	70.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	141	150.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	142	140.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	144	400.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	145	230.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	147	219.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	148	319.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	150	150.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	151	170.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	153	170.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	154	200.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	156	699.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	158	239.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	159	209.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	161	360.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	162	540.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	164	310.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	165	449.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	167	319.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	168	899.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	170	449.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	171	519.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	173	319.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	174	289.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	176	400.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	177	400.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	179	330.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	180	289.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	182	209.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	183	209.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	185	200.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	186	180.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	188	239.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	189	159.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	191	150.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	192	560.000	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=IRON -- Option=PSES1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM62	200.7	SP-A	194	200.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	195	170.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	197	400.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	198	189.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	200	189.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	201	180.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	203	170.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	204	949.990	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	205	1200.000	UG/L	20	NC
ZINC	7440666	ISM62	200.7	SP-A	206	680.000	UG/L	20	NC
ZINC	7440666	ESE08	1620	SP-A +SP-B	1	1155.000	UG/L	20	NC
ZINC	7440666	ESE08	1620	SP-A +SP-B	2	1310.000	UG/L	20	NC
ZINC	7440666	ESE08	1620	SP-A +SP-B	3	1240.000	UG/L	20	NC
ZINC	7440666	ESE08	1620	SP-A +SP-B	4	1475.000	UG/L	20	NC
ZINC	7440666	ESE08	1620	SP-A +SP-B	5	1510.000	UG/L	20	NC

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=CARBON_BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
LEAD	7439921	ISM63	200.7	SP-A	7	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	35	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	63	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	91	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	126	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	155	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	187	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	215	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	243	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	278	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	306	1.000	UG/L	50	ND
LEAD	7439921	ISM63	200.7	SP-A	334	1.000	UG/L	50	ND
ZINC	7440666	ISM63	200.7	SP-A	7	35.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	17	27.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	21	20.990	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM63	200.7	SP-A	28	86.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	35	97.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	42	17.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	49	63.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	56	61.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	63	30.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	70	37.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	78	78.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	84	50.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	91	78.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	98	23.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	105	57.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	112	26.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	119	82.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	126	43.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	133	28.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	140	41.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	147	43.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	155	14.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	161	17.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	168	14.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	175	14.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	187	9.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	194	16.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	201	17.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	215	17.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	225	14.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	236	17.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	243	12.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	257	10.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	271	12.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	278	29.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	285	12.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	299	12.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	306	21.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	320	18.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	327	32.000	UG/L	20	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=CARBON_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
ZINC	7440666	ISM63	200.7	SP-A	334	10.990	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	342	8.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	348	27.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	355	12.000	UG/L	20	NC
ZINC	7440666	ISM63	200.7	SP-A	362	12.000	UG/L	20	NC

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=SPECIALTY_BAT1 ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
CHROMIUM	7440473	ESE09	1620	SP-A +SP-B	1	43.700	UG/L	10	NC
CHROMIUM	7440473	ESE09	1620	SP-A +SP-B	2	27.550	UG/L	10	NC
CHROMIUM	7440473	ESE09	1620	SP-A +SP-B	3	13.050	UG/L	10	NC
CHROMIUM	7440473	ESE09	1620	SP-A +SP-B	4	10.000	UG/L	10	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE09	1664	SP-A +SP-B	1	16.167	MG/L	5	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE09	1664	SP-A +SP-B	2	5.500	MG/L	5	ND
HEXANE EXTRACTABLE MATERIAL	C036	ESE09	1664	SP-A +SP-B	3	9.000	MG/L	5	NC
HEXANE EXTRACTABLE MATERIAL	C036	ESE09	1664	SP-A +SP-B	4	5.000	MG/L	5	ND
NICKEL	7440020	ISM64	200.7	SP-A	3	273.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	4	259.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	5	208.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	6	219.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	7	379.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	8	263.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	9	177.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	10	270.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	11	170.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	12	270.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	13	319.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	15	349.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	16	180.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	17	21.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	18	319.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	19	146.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	20	136.000	UG/L	40	NC

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=SPECIALTY_BAT1 ----------
(continued)

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
NICKEL	7440020	ISM64	200.7	SP-A	21	119.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	22	189.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	23	412.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	26	79.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	28	82.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	29	101.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	32	100.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	33	90.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	35	32.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	37	75.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	38	115.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	39	123.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	40	116.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	41	112.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	42	105.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	43	54.990	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	44	112.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	45	123.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	46	32.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	47	97.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	48	140.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	49	158.000	UG/L	40	NC
NICKEL	7440020	ISM64	200.7	SP-A	50	231.990	UG/L	40	NC
NICKEL	7440020	ESE09	1620	SP-A +SP-B	1	69.500	UG/L	40	NC
NICKEL	7440020	ESE09	1620	SP-A +SP-B	2	20.000	UG/L	40	ND
NICKEL	7440020	ESE09	1620	SP-A +SP-B	3	51.800	UG/L	40	NC
NICKEL	7440020	ESE09	1620	SP-A +SP-B	4	20.000	UG/L	40	ND
TOTAL SUSPENDED SOLIDS	C009	ESE09	160.2	SP-A +SP-B	1	13.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE09	160.2	SP-A +SP-B	2	4.000	MG/L	4	ND
TOTAL SUSPENDED SOLIDS	C009	ESE09	160.2	SP-A +SP-B	3	5.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE09	160.2	SP-A +SP-B	4	4.000	MG/L	4	ND

Appendix D: Aggregated Daily Data Used to Calculate Proposed Limitations and Standards

---------- Subcategory=OTHER -- Option=DRI_BPT ----------

Analyte Name	CAS_NO	Episode	Method	Sample Point	Sample Day	Concentration	Unit	Baseline Value	Meas Type
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	1	27.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	2	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	3	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	4	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	5	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	6	10.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	7	21.500	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	8	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	9	7.600	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	10	5.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ISM65	160.2	SP-A	11	3.000	MG/L	4	NC
TOTAL SUSPENDED SOLIDS	C009	ESE10	160.2	SP-A	1	4.000	MG/L	4	ND

Appendix E

MODIFIED DELTA-LOGNORMAL DISTRIBUTION

Appendix E

MODIFIED DELTA-LOGNORMAL DISTRIBUTION

This appendix describes the modified delta-lognormal distribution and the estimation of the episode-specific long-term averages and variability factors used to calculate the proposed limitations and standards.[1] This appendix provides the statistical methodology that was used to obtain the results presented in Section 12.

E.1 Basic Overview of the Modified Delta-Lognormal Distribution

EPA selected the modified delta-lognormal distribution to model pollutant effluent concentrations from the iron and steel industry in developing the long-term averages and variability factors. A typical effluent data set from a sampling episode or self-monitoring episode (see Section 12 for a discussion of the data associated with these episodes) consists of a mixture of measured (detected) and non-detected values. The modified delta-lognormal distribution is appropriate for such data sets because it models the data as a mixture of measurements that follow a lognormal distribution and non-detect measurements that occur with a certain probability. The model also allows for the possibility that non-detect measurements occur at multiple sample-specific detection limits. Because the data appeared to fit the modified delta-lognormal model reasonably well, EPA has determined that this model is appropriate for these data.

The modified delta-lognormal distribution is a modification of the ‘delta distribution' originally developed by Aitchison and Brown.[2] While this distribution was originally developed to model economic data, other researchers have shown the application to environmental data.[3] The resulting mixed distributional model, which combines a continuous density portion with a discrete-valued spike at zero, is also known as the delta-lognormal distribution. The delta in the name refers to the proportion of the overall distribution contained in the discrete distributional spike at zero; that is, the proportion of zero amounts. The remaining non-zero, non-censored (NC) amounts are grouped together and fit to a lognormal distribution.

EPA modified this delta-lognormal distribution to incorporate multiple detection limits. In the modification of the delta portion, the single spike located at zero is replaced by a discrete distribution made up of multiple spikes. Each spike in this modification is associated with a distinct sample-specific detection limit associated with non-detected (ND) measurements in the

[1]In the remainder of this appendix, references to ‘limitations’ includes ‘standards.’

[2]Aitchison, J. and Brown, J.A.C. (1963) The Lognormal Distribution. Cambridge University Press, pages 87-99.

[3]Owen, W.J. and T.A. DeRouen. 1980. “Estimation of the Mean for Lognormal Data Containing Zeroes and Left-Censored Values, with Applications to the Measurement of Worker Exposure to Air Contaminants.” *Biometrics*, 36:707-719.

database.[4] A lognormal density is used to represent the set of measured values. This modification of the delta-lognormal distribution is illustrated in Figure E-1.

The following two subsections describe the delta and lognormal portions of the modified delta-lognormal distribution in further detail.

E.2 Continuous and Discrete Portions of the Modified Delta-Lognormal Distribution

The discrete portion of the modified delta-lognormal distribution models the non-detected values corresponding to the k reported sample-specific detection limits. In the model, δ represents the proportion of non-detected values in the dataset and is the sum of smaller fractions, δ_i, each representing the proportion of non-detected values associated with each distinct detection limit value. By letting D_i equal the value of the ith smallest distinct detection limit in the data set and the random variable X_D represents a randomly chosen non-detected measurement, the cumulative distribution function of the discrete portion of the modified delta-lognormal model can be mathematically expressed as:

$$\Pr\left(X_D \le c\right) = \frac{1}{d} \sum_{i:D_i \le c} d_i \qquad 0 < c \tag{E-1}$$

The mean and variance of this discrete distribution can be calculated using the following formulas:

$$E(X_D) = \frac{1}{d} \sum_{i=1}^{k} d_i \, D_i \tag{E-2}$$

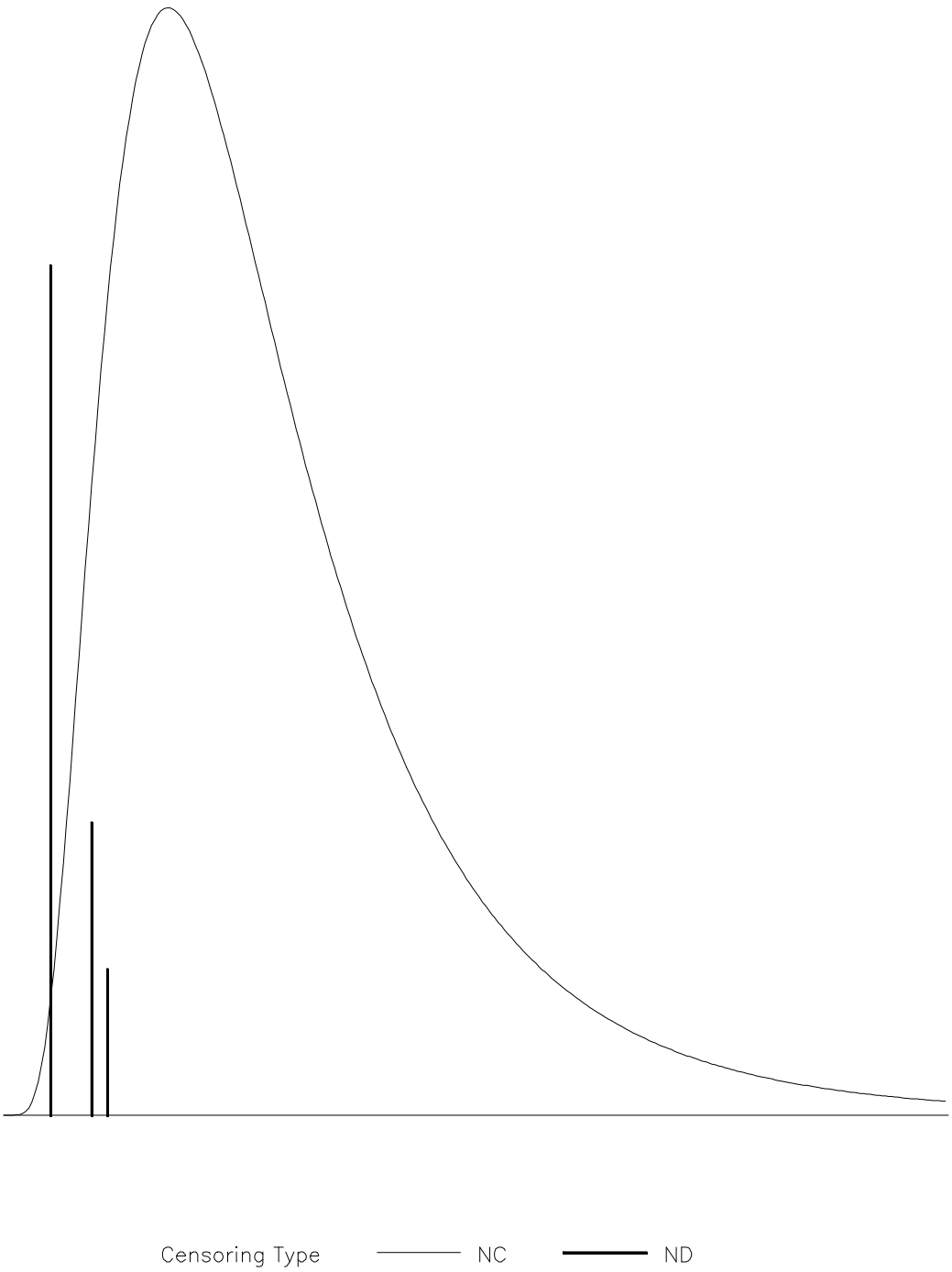
$$Var(X_D) = \frac{1}{d} \sum_{i=1}^{k} d_i \left(D_i - E(X_D)\right)^2 \tag{E-3}$$

The continuous, lognormal portion of the modified delta-lognormal distribution was used to model the detected measurements from the iron and steel industry database. The cumulative probability distribution of the continuous portion of the modified delta-lognormal distribution can be mathematically expressed as:

[4]Previously, EPA had modified the delta-lognormal model to account for non-detected measurements by placing the distributional "spike" at a single positive value, usually equal to the nominal method detection limit, rather than at zero. For further details, see Kahn and Rubin, 1989. This adaptation was used in developing limitations and standards for the organic chemicals, plastics, and synthetic fibers (OCPSF) and pesticides manufacturing rulemakings. EPA has used the current modification in several, more recent, rulemakings.

Figure E-1

Modified Delta – Lognormal Distribution



$$\Pr\left[X_C \le c\right] = \Phi\left[\frac{\ln(c) - m}{s}\right] \tag{E-4}$$

where the random variable X_C represents a randomly chosen detected measurement, Φ is the standard normal distribution, and μ and σ are parameters of the distribution.

The expected value, $E(X_C)$, and the variance, $Var(X_C)$, of the lognormal distribution can be calculated as:

$$E\left(X_C\right) = \exp\left(m + \frac{s^2}{2}\right) \tag{E-5}$$

$$Var\left(X_C\right) = \left[E\left(X_C\right)\right]^2 \left(\exp\left(s^2\right) - 1\right) \tag{E-6}$$

E.3 Combining the Continuous and Discrete Portions

The continuous portion of the modified delta-lognormal distribution is combined with the discrete portion to model data sets that contain a mixture of non-detected and detected measurements. It is possible to fit a wide variety of observed effluent data sets to the modified delta-lognormal distribution. Multiple detection limits for non-detect measurements are incorporated, as are measured ("detected") values. The same basic framework can be used even if there are no non-detected values in the data set (in this case, it is the same as the lognormal distribution). Thus, the modified delta-lognormal distribution offers a large degree of flexibility in modeling effluent data.

The modified delta-lognormal random variable U can be expressed as a combination of three other independent variables, that is,

$$U = I_u X_D + \left(1 - I_u\right) X_C \tag{E-7}$$

where X_D represents a random non-detect from the discrete portion of the distribution, X_C represents a random detected measurement from the continuous lognormal portion, and I_u is an indicator variable signaling whether any particular random measurement, u, is non-detected or non-censored (that is, I_u=1 if u is non-detected; I_u=0 if u is non-censored). Using a weighted sum, the cumulative distribution function from the discrete portion of the distribution (equation 1) can be combined with the function from the continuous portion (equation 4) to obtain the overall cumulative probability distribution of the modified delta-lognormal distribution as follows,

$$\Pr\left(U \le c\right) = \sum_{i:D_i \le c} d_i + \left(1 - d\right)\Phi\left[\frac{\ln(c) - m}{s}\right] \tag{E-8}$$

where D_i is the value of the ith sample-specific detection limit.

The expected value of the random variable *U* can be derived as a weighted sum of the expected values of the discrete and continuous portions of the distribution (equations 2 and 5, respectively) as follows

$$E(U) = d\,E(X_D) + (1-d)\,E(X_C) \tag{E-9}$$

In a similar manner, the expected value of the random variable squared can be written as a weighted sum of the expected values of the squares of the discrete and continuous portions of the distribution as follows

$$E\left(U^2\right) = d\,E\left(X_D^2\right) + (1-d)E\left(X_C^2\right) \tag{E-10}$$

Although written in terms of U, the following relationship holds for all random variables, U, X_D, and X_C.

$$E\left(U^2\right) = Var(U) + \left[E(U)\right]^2 \tag{E-11}$$

So using equation 11 to solve for Var(U), and applying the relationships in equations 9 and 10, the variance of *U* can be obtained as

$$\mathrm{Var}(U) = d\left(\mathrm{Var}(X_D) + \left[\mathrm{E}(X_D)\right]^2\right) + (1-d)\left(\mathrm{Var}(X_C) + \left[\mathrm{E}(X_C)\right]^2\right) - \left[\mathrm{E}(U)\right]^2 \tag{E-12}$$

E.4 Episode-specific Estimates Under the Modified Delta-Lognormal Distribution

In order to use the modified delta-lognormal model to calculate the proposed limitations, the parameters of the distribution are estimated from the data. These estimates are then used to calculate the proposed limitations.

The parameters $\hat{d}_i$ and $\hat{d}$ are estimated from the data using the following formulas:

$$\hat{d}_i = \frac{1}{n}\sum_{j=1}^{n_d} I\left(d_j = D_i\right)$$
$$\hat{d} = \frac{n_d}{n} \tag{E-13}$$

where n_d is the number of non-detected measurements, d_j, j = 1 to n_d, are the detection limits for the non-detected measurements, n is the number of measurements (both detected and non-detected) and I(…) is an indicator function equal to one if the phrase within the parentheses is

true and zero otherwise. The "hat" over the parameters indicates that they are estimated from the data.

The expected value and the variance of the lognormal portion of the modified delta-lognormal distribution can be calculated from the data as:

$$\hat{E}\left(X_D\right) = \frac{1}{\hat{d}} \sum_{i=1}^{k} \hat{d}_i D_i \tag{E-14}$$

$$\hat{Var}\left(X_D\right) = \frac{1}{\hat{d}} \sum_{i=1}^{k} \hat{d}_i \left(D_i - E\left(X_D\right)\right)^2 \tag{E-15}$$

The parameters of the continuous portion of the modified delta-lognormal distribution, $\hat{m}$ and $\hat{s}^2$, are estimated by

$$\begin{aligned} \hat{m} &= \sum_{i=1}^{n_c} \frac{\ln\left(x_i\right)}{n_c} \\ \hat{s}^2 &= \sum_{i=1}^{n_c} \frac{\left(\ln\left(x_i\right) - \hat{m}\right)^2}{n_c - 1} \end{aligned} \tag{E-16}$$

where x_i is the ith detected measurement value and n_c is the number of detected measurements. Note that $n = n_d + n_c$.

The expected value and the variance of the lognormal portion of the modified delta-lognormal distribution can be calculated from the data as:

$$\hat{E}\left(X_C\right) = \exp\left(\hat{m} + \frac{\hat{s}^2}{2}\right) \tag{E-17}$$

$$\hat{Var}\left(X_C\right) = \left[\hat{E}\left(X_C\right)\right]^2 \left(\exp\left(\hat{s}^2\right) - 1\right) \tag{E-18}$$

Finally, the expected value and variance of the modified delta-lognormal distribution can be estimated using the following formulas:

$$\hat{E}\left(U\right) = \hat{d}\,\hat{E}\left(X_D\right) + \left(1 - \hat{d}\right)\hat{E}\left(X_C\right) \tag{E-19}$$

$$\hat{V}ar(U) = \hat{d}\left(\hat{V}ar(X_D) + \left[\hat{E}(X_D)\right]^2\right) + \left(1-\hat{d}\right)\left(\hat{V}ar(X_C) + \left[\hat{E}(X_C)\right]^2\right) - \left[\hat{E}(U)\right]^2 \qquad \text{(E-20)}$$

Equations 17 through 20 are particularly important in the estimation of episode-specific long-term averages and variability factors as described in the following sections. These sections are preceded by a section that identifies the episode data set requirements.

E.4.1 Episode Data Set Requirements

Estimates of the necessary parameters for the lognormal portion of the distribution can be calculated with as few as two distinct detected values in a data set. (In order to calculate the variance of the modified delta-lognormal distribution, two distinct detected values are the minimum number that can be used and still obtain an estimate of the variance for the distribution.)

If an episode data set for a pollutant contained three or more observations with two or more distinct detected concentration values, then EPA used the modified delta-lognormal distribution to calculate long-term averages and variability factors. If the episode data set for a pollutant did not meet these requirements, EPA used an arithmetic average to calculate the episode-specific long-term average and excluded the dataset from the variability factor calculations (because the variability could not be calculated).

In statistical terms, each measurement was assumed to be independently and identically distributed from the other measurements of that pollutant in the episode data set.

The next two sections apply the modified delta-lognormal distribution to the data for estimating episode-specific long-term averages and variability factors for the iron and steel industry.

E.4.2 Estimation of Episode-specific Long-Term Averages

If an episode dataset for a pollutant mets the requirements described in the last section, then EPA calculated the long-term average using equation 19. Otherwise, EPA calculated the long-term average as the arithmetic average[5] of the daily values where the sample-specific detection limit was used for each non-detected measurement.

E.4.3 Estimation of Episode-Specific Variability Factors

For each episode, EPA estimated the daily variability factors by fitting a modified delta-lognormal distribution to the daily measurements for each pollutant. In contrast, EPA estimated monthly variability factors by fitting a modified delta-lognormal distribution to the

[5]EPA also used the arithmetic average of daily values in costing the technology options. See Section 12.7.1.

monthly averages for the pollutant at the episode. EPA developed these averages using the same number of measurements as the assumed monitoring frequency for the pollutant. EPA is assuming that all pollutants will be monitored weekly (approximately four times a month).[6]

E.4.3.1 Estimation of Episode-specific Daily Variability Factors

The episode-specific daily variability factor is a function of the expected value, and the 99th percentile of the modified delta-lognormal distribution fit to the daily concentration values of the pollutant in the wastewater from the episode. The expected value, was estimated using equation 19 (the expected value is the same as the episode-specific long-term average).

The 99th percentile of the modified delta-lognormal distribution fit to each data set was estimated by using an iterative approach. First, the pollutant-specific detection limits were ordered from smallest to largest. Next, the cumulative distribution function, p, for each detection limit was computed. The general form, for a given value c, was:

$$p = \sum_{i:D_i \le c} \hat{d}_i + \left(1 - \hat{d}\right)\Phi\left[\frac{\ln(c) - \hat{m}}{\hat{s}}\right] \qquad \text{(E-21)}$$

where Φ is the standard normal cumulative distribution function. Next, the interval containing the 99th percentile was identified. Finally, the 99th percentile of the modified delta-lognormal distribution was calculated. The following steps were completed to compute the estimated 99th percentile of each data subset:

Step 1 Using equation 21, k values of p at $c=D_m$, m=1,...,k were computed and labeled p_m.

Step 2 The smallest value of m (m=1,...,k), such that $p_m \geq 0.99$, was determined and labeled as p_j. If no such m existed, steps 3 and 4 were skipped and step 5 was computed instead.

Step 3 Computed $p^* = p_j - \hat{d}_j$.

[6]Compliance with the monthly average limitations will be required in the final rulemaking regardless of the number of samples analyzed and averaged.

Step 4 If p* < 0.99, then $\hat{P}99 = D_j$
else if p* $\geq$ 0.99, then

$$\hat{P}99 = \exp\left(\hat{m} + \hat{s}\,\Phi^{-1}\left[\frac{0.99 - \sum_{i=1}^{j-1}\hat{d}_i}{1-\hat{d}}\right]\right) \tag{E-22}$$

where Φ^{-1} is the inverse normal distribution function.

Step 5 If no such m exists such that $p_m > 0.99$ (m=1,...,k), then

$$\hat{P}99 = \exp\left(\hat{m} + \hat{s}\,\Phi^{-1}\left[\frac{0.99 - \hat{d}}{1-\hat{d}}\right]\right) \tag{E-23}$$

The episode-specific daily variability factor, VF1, was then calculated as:

$$VF1 = \frac{\hat{P}99}{\hat{E}(U)} \tag{E-24}$$

E.4.3.2 Estimation of Episode-Specific Monthly Variability Factors

EPA estimated the monthly variability factors by fitting a modified delta-lognormal distribution to the monthly averages. These equations use the same basic parameters, μ and σ, calculated for the daily variability factors. Episode-specific monthly variability factors were based on 4-day monthly averages because the monitoring frequency was assumed to be weekly (approximately four times a month).

In order to calculate the 4-day variability factors (VF4), the assumption was made that the approximating distribution of $\overline{U}_4$, the sample mean for a random sample of four independent concentrations, was also derived from the modified delta-lognormal distribution.[7] To obtain the expected value of the 4-day averages, equation 19 is modified for the mean of the distribution of 4-day averages in equation 25:

$$\hat{E}\left(\overline{U}_4\right) = \hat{d}_4\,\hat{E}\left(\overline{X}_4\right)_D + \left(1-\hat{d}_4\right)\hat{E}\left(\overline{X}_4\right)_C \tag{25}$$

[7]As described in section 12.4, when non-detected measurements are aggregated with non-censored measurements, EPA determined that the result should be considered non-censored.

where $\left(\overline{X}_4\right)_D$ denotes the mean of the discrete portion of the distribution of the average of four independent concentrations, (i.e., when all observations are non-detected values) and $\left(\overline{X}_4\right)_C$ denotes the mean of the continuous lognormal portion (i.e., when any observations are detected).

First, it was assumed that the probability of detection (δ) on each of the four days was independent of the measurements on the other three days (as explained in Section E.4.1, daily measurements were also assumed to be independent) and therefore, $\delta_4 = \delta^4$. Because the measurements are assumed to be independent, the following relationships hold:

$$\begin{aligned}
\hat{E}\left(\overline{U}_4\right) &= \hat{E}\left(U\right) \\
\hat{Var}\left(\overline{U}_4\right) &= \frac{\hat{Var}\left(U\right)}{4} \\
\hat{E}\left(\left(\overline{X}_4\right)_D\right) &= \hat{E}\left(X_D\right) \\
\hat{Var}\left(\left(\overline{X}_4\right)_D\right) &= \frac{\hat{Var}\left(X_D\right)}{4}
\end{aligned} \tag{E-26}$$

Substituting into equation 26 and solving for the expected value of the continuous portion of the distribution gives:

$$\hat{E}\left(\overline{X}_4\right)_C = \frac{\hat{E}\left(U\right) - \hat{d}^4\,\hat{E}\left(X_D\right)}{1-\hat{d}^4} \tag{E-27}$$

Using the relationship in equation 19 for the averages of 4 daily measurements and substituting terms from equation 25 and solving for the variance of the continuous portion of $\overline{U}_4$ gives:

$$\hat{Var}\left(\overline{X}_4\right)_C = \frac{\frac{\hat{Var}\left(U\right)}{4} + \left[\hat{E}\left(U\right)\right]^2 - \hat{d}^4\left(\frac{\hat{Var}\left(X_D\right)}{4} + \left[\hat{E}\left(X_D\right)\right]^2\right)}{1-\hat{d}^4} - \left[\hat{E}\left(\overline{X}_4\right)_C\right]^2 \tag{E-28}$$

Using equations 17 and 18 and solving for the parameters of the lognormal distribution describing the distribution of $\left(\overline{X}_4\right)_C$ gives:

$$\hat{s}_4^2 = \ln\left(\frac{\hat{V}ar\left(\overline{X}_4\right)_C}{\left(\hat{E}\left(\overline{X}_4\right)_C\right)^2} + 1\right)$$

and (E-29)

$$\hat{m}_4 = \ln\left(\hat{E}\left(\overline{X}_4\right)_C\right) - \frac{\hat{s}_4^2}{2}$$

In finding the estimated 95th percentile of the average of four observations, four non-detects, not all at the same sample-specific detection limit, can generate an average that is not necessarily equal to D_1, D_2,..., or D_k. Consequently, more than k discrete points exist in the distribution of the 4-day averages. For example, the average of four non-detects at k=2 detection limits, are at the following discrete points with the associated probabilities:

i	D_i^*	d_i^*
1	D_1	d_1^4
2	$\left(3D_1 + D_2\right)/4$	$4d_1^3 d_2$
3	$\left(2D_1 + 2D_2\right)/4$	$6d_1^2 d_2^2$
4	$\left(D_1 + 3D_2\right)/4$	$4d_1 d_2^3$
5	D_2	d_2^4

When all four observations are non-detected values, and when k distinct non-detected values exist, the multinomial distribution can be used to determine associated probabilities. That is,

$$\Pr\left[\overline{U}_4 = \frac{\sum_{i=1}^{k} u_i D_i}{4}\right] = \frac{4!}{u_1!u_2!\ldots u_k!}\prod_{i=1}^{k} d_i^{u_i} \qquad \text{(E-30)}$$

where u_i is the number of non-detected measurements in the data set with the D_i detection limit. The number of possible discrete points, k^*, for k=1,2,3,4, and 5 are as follows:

k	k^*
1	1
2	5
3	15
4	35
5	70

To find the estimated 95th percentile of the distribution of the average of four observations, the same basic steps (described in Section 4.3.1) as for the 99th percentile of the distribution of daily observations, were used with the following changes:

Step 1 Change P_{99} to P_{95}, and 0.99 to 0.95.
Step 2 Change D_m to D_m^*, the weighted averages of the sample-specific detection limits.
Step 3 Change δ_i to δ_i^*.
Step 4 Change k to k^*, the number of possible discrete points based on k detection limits.
Step 5 Change the estimates of δ, $\hat{m}$,and $\hat{s}$ to estimates of δ^4, $\hat{m}_4$ and $\hat{s}_4^2$ respectively.

Then, using $\hat{E}\left(\overline{U}_4\right) = \hat{E}\left(U\right)$, the estimate of the episode-specific 4-day variability factor, VF4, was calculated as:

$$VF4 = \frac{\hat{P}95}{\hat{E}\left(U\right)} \tag{E-31}$$

E.4.3.3 Evaluation of Episode-Specific Variability Factors

Estimates of the necessary parameters for the lognormal portion of the distribution can be calculated with as few as two distinct measured values in a data set (in order to calculate the variance); however, these estimates can be unstable (as can estimates from larger data sets). As stated in Section E.4.1, EPA used the modified delta-lognormal distribution to develop episode-specific variability factors for data sets that had a three or more observations with two or more distinct measured concentration values.

To identify situations producing unexpected results, EPA reviewed all of the variability factors and compared daily to monthly variability factors. EPA used several criteria to determine if the episode-specific daily and monthly variability factors should be included in calculating the option variability factors. One criteria that EPA used was that the daily and monthly variability factors should be greater than 1.0. A variability factor less than 1.0 would result in a unexpected result where the estimated 99th percentile would be less than the long-term average. This would be an indication that the estimate of $\hat{s}$ (the log standard deviation) was unstable. A second criteria was that the daily variability factor had to be greater than the monthly variability factor. A third criteria was that not all of the sample-specific detection limits could exceed the values of the non-censored values. All the episode-specific variability factors used for the proposed limitations and standards met these criteria.

E.5 References

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Appendix F

ATTACHMENTS FOR SECTION 12

Appendix F

ATTACHMENTS FOR SECTION 12

Subcategory Abbreviations:

Abbreviation	Subcategory
COKE_BYPROD	Cokemaking, By-Product Segment
FINISHING	Steel Finishing
INT_HOTFORM	Integrated and Stand-Alone Hot Forming
INT_STEEL	Integrated Steelmaking
IRON	Ironmaking
NONINT_STEEL_HOTFORM	Non-Integrated Steelmaking and Hot Forming
OTHER	Other Operations

Option Abbreviations:

Abbreviation	Option
CARBON_BAT1	Carbon and Alloy Segment, Option BAT1
SPECIALTY_BAT1	Stainless Steel Segment, Option BAT1
DRI_BPT	Direct Iron Reduction, Option BPT

Other Abbreviations:

Abbreviation	Definition
CAS_NO	Chemical Abstract Service Number
Est	Estimated
LTA	Long-Term Average
ND	Non-Detect
Obs	Number of Daily Values; OR Observed (e.g., Obs Mean)
STD	Standard Deviation
V.F.	Variability Factor

Attachment 12-1. Summary Statistics for Proposed Pollutants and Subcategories

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
AMMONIA AS NITROGEN	ISM50	1.30	54	6	0.47	1.25	1.34	0.46	0.56	3.20	0.10	1.43	MG/L
AMMONIA AS NITROGEN	ISM51	2.94	8	0	0.65	3.05	2.94	0.65	1.90	3.80	.	.	MG/L
BENZO(A)PYRENE	ESE01	10.08	5	5	0.18	10.00	.	.	.	.	10.00	10.40	UG/L
HEXANE EXTRACTABLE MATERIAL	ESE01	7.11	5	2	2.88	5.90	7.97	3.72	5.72	12.26	5.73	5.90	MG/L
MERCURY	ESE01	0.20	5	5	0.00	0.20	.	.	.	.	0.20	0.20	UG/L
MERCURY	ESE02	0.11	5	0	0.04	0.10	0.11	0.04	0.06	0.17	.	.	UG/L
MERCURY	ISM51	0.39	2	2	0.00	0.39	.	.	.	.	0.39	0.39	UG/L
NAPHTHALENE	ESE01	10.08	5	5	0.18	10.00	.	.	.	.	10.00	10.40	UG/L
NAPHTHALENE	ISM50	12.66	56	53	13.13	10.00	59.66	35.22	35.00	100.00	10.00	10.00	UG/L
PHENOL	ESE01	10.08	5	5	0.18	10.00	.	.	.	.	10.00	10.40	UG/L
SELENIUM	ESE01	110.90	5	0	11.70	109.00	110.90	11.70	99.50	130.00	.	.	UG/L
THIOCYANATE	ESE01	0.39	5	0	0.15	0.37	0.39	0.15	0.22	0.60	.	.	MG/L
THIOCYANATE	ISM51	1.05	8	0	0.08	1.00	1.05	0.08	1.00	1.20	.	.	MG/L
TOTAL CYANIDE	ESE01	3.41	5	0	0.52	3.30	3.41	0.52	2.71	3.94	.	.	MG/L
TOTAL CYANIDE	ISM50	1.77	56	0	0.79	1.63	1.77	0.79	0.78	5.64	.	.	MG/L
TOTAL SUSPENDED SOLIDS	ESE01	18.50	3	0	4.27	19.00	18.50	4.27	14.00	22.50	.	.	MG/L
TOTAL SUSPENDED SOLIDS	ISM50	15.86	56	1	19.99	12.50	16.07	20.11	3.00	148.00	4.00	4.00	MG/L

---------- Subcategory=COKE_BYPROD -- Option=BAT3 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
AMMONIA AS NITROGEN	ISM52	0.27	48	0	0.19	0.21	0.27	0.19	0.08	0.81	.	.	MG/L
TOTAL CYANIDE	ISM52	1.30	47	0	0.90	1.13	1.30	0.90	0.06	3.81	.	.	MG/L

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
AMMONIA AS NITROGEN	ISM53	48.59	14	0	3.41	48.35	48.59	3.41	41.70	54.30	.	.	MG/L
AMMONIA AS NITROGEN	ISM54	25.77	53	0	11.48	23.80	25.77	11.48	7.00	56.00	.	.	MG/L

Attachment 12-1. Summary Statistics for Proposed Pollutants and Subcategories

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------
(continued)

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
AMMONIA AS NITROGEN	ISM55	33.77	13	0	9.45	32.00	33.77	9.45	21.00	50.00	.	.	MG/L
NAPHTHALENE	ESE03	204.98	4	2	199.12	108.25	309.97	273.61	116.49	503.44	100.00	100.00	UG/L
PHENOL	ESE03	160771.52	5	0	108500.63	176600.00	160771.52	108500.63	16402.80	313800.00	.	.	UG/L
SELENIUM	ESE01	712.20	5	0	86.51	715.00	712.20	86.51	585.00	793.00	.	.	UG/L
THIOCYANATE	ESE03	209.80	5	0	34.58	216.00	209.80	34.58	166.00	259.00	.	.	MG/L
TOTAL CYANIDE	ISM56	6.22	52	0	2.05	6.25	6.22	2.05	0.52	10.80	.	.	MG/L

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
CHROMIUM	ISM57	28.71	262	62	30.66	20.99	34.43	33.06	9.99	326.00	9.99	19.99	UG/L
CHROMIUM	ESE04	9.21	5	0	4.49	9.50	9.21	4.49	4.05	15.40	.	.	UG/L
CHROMIUM	ESE05	11.15	5	3	4.17	9.00	14.38	5.90	10.20	18.55	9.00	9.00	UG/L
CHROMIUM	ISM58	50.77	259	251	8.50	50.00	75.00	44.40	19.99	140.00	50.00	50.00	UG/L
HEXANE EXTRACTABLE MATERIAL	ESE04	6.56	5	2	0.57	6.55	6.90	0.42	6.55	7.37	5.85	6.26	MG/L
HEXANE EXTRACTABLE MATERIAL	ESE05	6.00	5	5	0.18	6.00	.	.	.	.	5.75	6.25	MG/L
HEXAVALENT CHROMIUM	ESE04	0.01	5	5	0.00	0.01	.	.	.	.	0.01	0.01	MG/L
HEXAVALENT CHROMIUM	ESE05	0.01	5	3	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	MG/L
LEAD	ISM57	5.06	262	257	0.61	4.99	8.80	2.59	6.00	12.00	4.99	4.99	UG/L
LEAD	ESE04	2.00	5	5	0.00	2.00	.	.	.	.	2.00	2.00	UG/L
LEAD	ESE05	2.00	5	5	0.00	2.00	.	.	.	.	2.00	2.00	UG/L
TOTAL SUSPENDED SOLIDS	ISM57	9.45	262	1	5.44	8.35	9.48	5.42	1.20	40.00	1.00	1.00	MG/L
TOTAL SUSPENDED SOLIDS	ESE04	6.10	5	3	3.47	4.00	9.25	3.89	6.50	12.00	4.00	4.00	MG/L
TOTAL SUSPENDED SOLIDS	ESE05	4.30	5	2	0.45	4.00	4.50	0.50	4.00	5.00	4.00	4.00	MG/L
TOTAL SUSPENDED SOLIDS	ISM58	4.65	259	0	7.23	3.40	4.65	7.23	1.00	102.00	.	.	MG/L
ZINC	ISM57	36.26	261	25	40.31	24.00	38.94	41.49	9.99	404.00	9.99	25.00	UG/L
ZINC	ESE04	41.07	5	1	51.31	16.20	48.84	55.75	12.20	131.00	10.00	10.00	UG/L
ZINC	ESE05	11.42	5	1	4.16	9.80	12.28	4.26	9.00	18.40	8.00	8.00	UG/L

Attachment 12-1. Summary Statistics for Proposed Pollutants and Subcategories

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
AMMONIA AS NITROGEN	ESE06	1.75	5	0	0.50	1.89	1.75	0.50	0.96	2.31	.	.	MG/L
AMMONIA AS NITROGEN	ISM59	21.55	12	0	5.73	20.60	21.55	5.73	12.00	32.70	.	.	MG/L
CHROMIUM	ESE06	132.24	5	0	95.59	82.90	132.24	95.59	69.50	298.00	.	.	UG/L
CHROMIUM	ISM59	74.29	24	0	15.94	74.00	74.29	15.94	34.00	122.00	.	.	UG/L
FLUORIDE	ESE06	16.30	5	0	2.68	15.80	16.30	2.68	14.00	20.60	.	.	MG/L
HEXANE EXTRACTABLE MATERIAL	ESE06	6.20	5	4	0.82	6.00	7.63	.	7.63	7.63	5.50	6.00	MG/L
HEXAVALENT CHROMIUM	ESE06	0.12	5	0	0.06	0.09	0.12	0.06	0.07	0.22	.	.	MG/L
HEXAVALENT CHROMIUM	ISM59	0.03	24	0	0.01	0.03	0.03	0.01	0.02	0.04	.	.	MG/L
NICKEL	ESE06	28.84	5	1	9.45	25.20	31.55	8.38	24.95	42.65	18.00	18.00	UG/L
NICKEL	ISM59	58.12	24	0	12.97	57.00	58.12	12.97	34.00	90.00	.	.	UG/L
TOTAL SUSPENDED SOLIDS	ESE06	4.00	5	5	0.00	4.00	.	.	.	.	4.00	4.00	MG/L
TOTAL SUSPENDED SOLIDS	ISM59	2.85	24	3	1.46	3.20	3.11	1.37	1.00	5.80	1.00	1.00	MG/L

---------- Subcategory=INT_HOTFORM -- Option=CARBON_BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
HEXANE EXTRACTABLE MATERIAL	ESE04	6.49	3	1	1.15	6.34	7.02	0.97	6.34	7.71	5.41	5.41	MG/L
HEXANE EXTRACTABLE MATERIAL	ESE07	6.63	4	1	1.11	6.52	7.01	1.00	6.00	8.00	5.50	5.50	MG/L
LEAD	ESE04	19.33	3	3	7.51	15.00	.	.	.	.	15.00	28.00	UG/L
LEAD	ESE07	4.58	4	1	5.02	2.10	5.43	5.77	2.10	12.10	2.00	2.00	UG/L
TOTAL SUSPENDED SOLIDS	ESE04	13.33	3	1	8.62	15.00	18.00	4.24	15.00	21.00	4.00	4.00	MG/L
TOTAL SUSPENDED SOLIDS	ESE07	6.25	4	3	4.50	4.00	13.00	.	13.00	13.00	4.00	4.00	MG/L
ZINC	ESE04	3.20	3	3	0.69	2.80	.	.	.	.	2.80	4.00	UG/L
ZINC	ESE07	171.50	4	0	50.32	150.00	171.50	50.32	140.00	246.00	.	.	UG/L

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
LEAD	ISM60	14.12	323	224	2.95	13.63	15.43	3.69	10.34	30.93	8.04	22.55	UG/L

Attachment 12-1. Summary Statistics for Proposed Pollutants and Subcategories

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------
(continued)

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
LEAD	ESE04	11.49	5	0	3.47	12.01	11.49	3.47	8.24	16.71	.	.	UG/L
ZINC	ISM60	90.51	323	0	46.84	79.14	90.51	46.84	20.50	289.73	.	.	UG/L
ZINC	ESE04	44.93	5	0	15.99	42.07	44.93	15.99	26.38	70.05	.	.	UG/L

---------- Subcategory=IRON -- Option=BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
AMMONIA AS NITROGEN	ISM52	0.27	48	0	0.19	0.21	0.27	0.19	0.08	0.81	.	.	MG/L
LEAD	ISM61	3.38	52	29	5.03	1.00	6.39	6.46	1.00	23.00	1.00	1.00	UG/L
TOTAL CYANIDE	ISM52	1.30	47	0	0.90	1.13	1.30	0.90	0.06	3.81	.	.	MG/L
ZINC	ISM61	37.01	52	10	38.34	20.49	43.45	40.10	9.99	219.99	9.99	9.99	UG/L

---------- Subcategory=IRON -- Option=PSES1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
2378-TCDF	ESE08	10.00	2	2	0.00	10.00	.	.	.	.	10.00	10.00	PG/L
AMMONIA AS NITROGEN	ISM62	70.08	104	0	13.01	69.00	70.08	13.01	12.00	100.00	.	.	MG/L
AMMONIA AS NITROGEN	ESE08	74.40	5	0	8.01	72.50	74.40	8.01	64.00	84.50	.	.	MG/L
HEXANE EXTRACTABLE MATERIAL	ESE08	5.88	5	5	0.13	5.88	.	.	.	.	5.75	6.00	MG/L
LEAD	ISM62	14.07	104	34	12.16	8.99	17.84	12.18	4.99	52.00	4.99	50.00	UG/L
LEAD	ESE08	51.75	5	0	11.67	52.70	51.75	11.67	37.25	67.50	.	.	UG/L
ZINC	ISM62	343.10	103	0	256.86	270.00	343.10	256.86	59.99	1200.00	.	.	UG/L
ZINC	ESE08	1338.00	5	0	151.85	1310.00	1338.00	151.85	1155.00	1510.00	.	.	UG/L

Attachment 12-1. Summary Statistics for Proposed Pollutants and Subcategories

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=CARBON_BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
LEAD	ISM63	1.00	12	12	0.00	1.00	.	.	.	.	1.00	1.00	UG/L
ZINC	ISM63	31.55	45	0	23.75	21.99	31.55	23.75	8.00	97.99	.	.	UG/L

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=SPECIALTY_BAT1 ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
CHROMIUM	ESE09	23.58	4	1	15.45	20.30	28.10	15.33	13.05	43.70	10.00	10.00	UG/L
HEXANE EXTRACTABLE MATERIAL	ESE09	8.92	4	2	5.15	7.25	12.58	5.07	9.00	16.17	5.00	5.50	MG/L
NICKEL	ISM64	169.35	40	0	98.84	138.00	169.35	98.84	21.99	412.99	.	.	UG/L
NICKEL	ESE09	40.33	4	2	24.56	35.90	60.65	12.52	51.80	69.50	20.00	20.00	UG/L
TOTAL SUSPENDED SOLIDS	ESE09	6.75	4	2	4.56	4.75	9.50	5.66	5.50	13.50	4.00	4.00	MG/L

---------- Subcategory=OTHER -- Option=DRI_BPT ----------

Analyte	Episode	Episode Mean	Total Number Values	Num ND	Obs Std Dev	Obs Median Value	Mean Value NC	Std Dev NC	Min Value NC	Max Value NC	Min Value ND	Max Value ND	Unit
TOTAL SUSPENDED SOLIDS	ISM65	10.83	11	0	7.20	10.00	10.83	7.20	3.00	27.00	.	.	MG/L
TOTAL SUSPENDED SOLIDS	ESE10	4.00	1	1	.	4.00	.	.	.	.	4.00	4.00	MG/L

Attachment 12-2. Episode-Specific Long-Term Averages and Variability Factors

Assuming Underlying Modified Delta-Lognormal Distribution

---------- Subcategory=COKE_BYPROD -- Option=BAT1 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
AMMONIA AS NITROGEN	7664417	MG/L	ISM50	350.2	54	6	1.301	1.306	0.489	2.140	1.334
AMMONIA AS NITROGEN	7664417	MG/L	ISM51	SM4500NH3-E	8	0	2.938	2.953	0.721	1.701	1.213
BENZO(A)PYRENE	50328	UG/L	ESE01	1625	5	5	10.080	10.080	0.179	.	.
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE01	1664	5	2	7.111	7.241	3.087	2.574	1.385
MERCURY	7439976	UG/L	ESE01	1620	5	5	0.200	0.200	0.000	.	.
MERCURY	7439976	UG/L	ESE02	1620	5	0	0.109	.	0.043	2.222	1.345
MERCURY	7439976	UG/L	ISM51	245.1	2	2	0.390	0.390	0.000	.	.
NAPHTHALENE	91203	UG/L	ESE01	1625	5	5	10.080	10.080	0.179	.	.
NAPHTHALENE	91203	UG/L	ISM50	625	56	53	12.661	12.808	14.619	6.841	2.284
PHENOL	108952	UG/L	ESE01	1625	5	5	10.080	10.080	0.179	.	.
SELENIUM	7782492	UG/L	ESE01	1620	5	0	110.900	111.004	11.329	1.261	1.086
THIOCYANATE	302045	MG/L	ESE01	SM4500-CN M.	5	0	0.391	0.397	0.158	2.263	1.355
THIOCYANATE	302045	MG/L	ISM51	SM4500CN-M	8	0	1.050	1.050	0.073	1.173	1.058
TOTAL CYANIDE	57125	MG/L	ESE01	335.2	5	0	3.414	3.423	0.539	1.421	1.134
TOTAL CYANIDE	57125	MG/L	ISM50	335.2	56	0	1.775	1.765	0.663	2.180	1.335
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE01	160.2	3	0	18.500	18.689	4.560	1.700	1.212
TOTAL SUSPENDED SOLIDS	C009	MG/L	ISM50	NA	56	1	15.857	15.149	12.988	4.262	1.806

---------- Subcategory=COKE_BYPROD -- Option=BAT3 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
AMMONIA AS NITROGEN	7664417	MG/L	ISM52	SM4500-NH3F	48	0	0.275	0.276	0.206	3.773	1.698
TOTAL CYANIDE	57125	MG/L	ISM52	SM4500-CNC	47	0	1.303	1.448	1.625	5.434	2.062

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
AMMONIA AS NITROGEN	7664417	MG/L	ISM53	SM4500-NH3	14	0	48.586	48.595	3.445	1.176	1.059
AMMONIA AS NITROGEN	7664417	MG/L	ISM54	4500NH, BE	53	0	25.766	25.976	12.936	2.676	1.453
AMMONIA AS NITROGEN	7664417	MG/L	ISM55	417/350.2	13	0	33.769	33.856	9.481	1.825	1.245
NAPHTHALENE	91203	UG/L	ESE03	1625	4	2	204.983	256.864	434.537	7.898	2.567

Attachment 12-2. Episode-Specific Long-Term Averages and Variability Factors

Assuming Underlying Modified Delta-Lognormal Distribution

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------
(continued)

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
PHENOL	108952	UG/L	ESE03	1625	5	0	160771.520	217719.466	355459.496	7.403	2.510
SELENIUM	7782492	UG/L	ESE01	1620	5	0	712.200	713.431	90.070	1.329	1.107
THIOCYANATE	302045	MG/L	ESE03	4500-CN	5	0	209.800	210.383	35.036	1.449	1.143
TOTAL CYANIDE	57125	MG/L	ISM56	335.2	52	0	6.219	6.482	3.493	2.849	1.492

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
CHROMIUM	7440473	UG/L	ISM57	200.7	262	62	28.708	27.794	22.019	3.889	1.741
CHROMIUM	7440473	UG/L	ESE04	1620	5	0	9.210	9.540	5.451	2.990	1.524
CHROMIUM	7440473	UG/L	ESE05	1620	5	3	11.150	11.417	5.147	2.760	1.416
CHROMIUM	7440473	UG/L	ISM58	SM3120B	259	251	50.772	50.871	11.172	1.674	1.147
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE04	1664	5	2	6.563	6.566	0.543	1.193	1.068
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE05	1664	5	5	6.000	6.000	0.177	.	.
HEXAVALENT CHROMIUM	18540299	MG/L	ESE04	218.4	5	5	0.010	0.010	0.000	.	.
HEXAVALENT CHROMIUM	18540299	MG/L	ESE05	218.4	5	3	0.011	0.011	0.001	1.189	1.082
LEAD	7439921	UG/L	ISM57	200.7	262	257	5.063	5.064	0.647	1.649	1.115
LEAD	7439921	UG/L	ESE04	1620	5	5	2.000	2.000	0.000	.	.
LEAD	7439921	UG/L	ESE05	1620	5	5	2.000	2.000	0.000	.	.
TOTAL SUSPENDED SOLIDS	C009	MG/L	ISM57	160.2	262	1	9.445	9.387	4.736	2.695	1.459
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE04	160.2	5	3	6.100	6.281	3.948	3.289	1.577
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE05	160.2	5	2	4.300	4.306	0.464	1.320	1.091
TOTAL SUSPENDED SOLIDS	C009	MG/L	ISM58	SM209C	259	0	4.649	4.252	2.598	3.163	1.563
ZINC	7440666	UG/L	ISM57	200.7	261	25	36.263	34.591	28.289	4.055	1.767
ZINC	7440666	UG/L	ESE04	1620	5	1	41.070	45.719	72.975	7.360	2.480
ZINC	7440666	UG/L	ESE05	1620	5	1	11.420	11.523	4.036	2.091	1.311

Attachment 12-2. Episode-Specific Long-Term Averages and Variability Factors

Assuming Underlying Modified Delta-Lognormal Distribution

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
AMMONIA AS NITROGEN	7664417	MG/L	ESE06	350.2	5	0	1.752	1.780	0.615	2.063	1.306
AMMONIA AS NITROGEN	7664417	MG/L	ISM59	NA	12	0	21.550	21.638	6.049	1.823	1.245
CHROMIUM	7440473	UG/L	ESE06	1620	5	0	132.240	134.138	87.197	3.336	1.602
CHROMIUM	7440473	UG/L	ISM59	NA	24	0	74.287	74.479	17.152	1.654	1.200
FLUORIDE	16984488	MG/L	ESE06	340.2	5	0	16.300	16.335	2.582	1.424	1.135
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE06	1664	5	4	6.200	6.200	0.823	.	.
HEXAVALENT CHROMIUM	18540299	MG/L	ESE06	218.4	5	0	0.122	0.124	0.062	2.692	1.456
HEXAVALENT CHROMIUM	18540299	MG/L	ISM59	NA	24	0	0.030	0.030	0.006	1.612	1.188
NICKEL	7440020	UG/L	ESE06	1620	5	1	28.840	29.033	9.239	1.882	1.280
NICKEL	7440020	UG/L	ISM59	NA	24	0	58.121	58.192	13.155	1.640	1.196
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE06	160.2	5	5	4.000	4.000	0.000	.	.
TOTAL SUSPENDED SOLIDS	C009	MG/L	ISM59	NA	24	3	2.846	2.908	1.824	3.147	1.579

---------- Subcategory=INT_HOTFORM -- Option=CARBON_BAT1 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE04	1664	3	1	6.485	6.507	1.113	1.449	1.145
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE07	1664	4	1	6.633	6.651	1.105	1.441	1.142
LEAD	7439921	UG/L	ESE04	1620	3	3	19.333	19.333	7.506	.	.
LEAD	7439921	UG/L	ESE07	1620	4	1	4.575	5.208	7.484	6.797	2.347
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE04	160.2	3	1	13.333	13.505	7.623	2.202	1.505
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE07	160.2	4	3	6.250	6.250	4.500	.	.
ZINC	7440666	UG/L	ESE04	1620	3	3	3.200	3.200	0.693	.	.
ZINC	7440666	UG/L	ESE07	1620	4	0	171.500	172.678	46.553	1.788	1.236

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
LEAD	7439921	UG/L	ISM60	200.7	323	224	14.125	14.120	2.835	1.593	1.173
LEAD	7439921	UG/L	ESE04	1620	5	0	11.486	11.581	3.494	1.902	1.266
ZINC	7440666	UG/L	ISM60	200.7	323	0	90.507	90.557	47.444	2.785	1.478

Attachment 12-2. Episode-Specific Long-Term Averages and Variability Factors

Assuming Underlying Modified Delta-Lognormal Distribution

Subcategory=INT_STEEL -- Option=BAT1 (continued)

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
ZINC	7440666	UG/L	ESE04	1620	5	0	44.932	45.492	16.507	2.130	1.323

Subcategory=IRON -- Option=BAT1

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
AMMONIA AS NITROGEN	7664417	MG/L	ISM52	SM4500-NH3F	48	0	0.275	0.276	0.206	3.773	1.698
LEAD	7439921	UG/L	ISM61	239.2	52	29	3.384	3.469	6.411	8.566	2.695
TOTAL CYANIDE	57125	MG/L	ISM52	SM4500-CNC	47	0	1.303	1.448	1.625	5.434	2.062
ZINC	7440666	UG/L	ISM61	200.7	52	10	37.013	36.798	38.296	5.045	1.984

Subcategory=IRON -- Option=PSES1

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
2378-TCDF	51207319	PG/L	ESE08	1613B	2	2	10.000	10.000	0.000	.	.
AMMONIA AS NITROGEN	7664417	MG/L	ISM62	SM4500-NH3E	104	0	70.077	70.492	16.968	1.689	1.209
AMMONIA AS NITROGEN	7664417	MG/L	ESE08	350.2	5	0	74.400	74.489	8.089	1.279	1.092
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE08	1664	5	5	5.875	5.875	0.125	.	.
LEAD	7439921	UG/L	ISM62	200.7	104	34	14.072	14.057	12.548	4.171	1.838
LEAD	7439921	UG/L	ESE08	1620	5	0	51.750	52.040	12.123	1.663	1.202
ZINC	7440666	UG/L	ISM62	200.7	103	0	343.103	345.513	288.065	4.163	1.783
ZINC	7440666	UG/L	ESE08	1620	5	0	1338.000	1339.751	153.042	1.295	1.097

Subcategory=NONINT_STEEL_HOTFORM -- Option=CARBON_BAT1

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
LEAD	7439921	UG/L	ISM63	200.7	12	12	1.000	1.000	0.000	.	.
ZINC	7440666	UG/L	ISM63	200.7	45	0	31.551	31.336	24.100	3.871	1.719

Attachment 12-2. Episode-Specific Long-Term Averages and Variability Factors

Assuming Underlying Modified Delta-Lognormal Distribution

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=SPECIALTY_BAT1 ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
CHROMIUM	7440473	UG/L	ESE09	1620	4	1	23.575	25.124	19.590	3.852	1.729
HEXANE EXTRACTABLE MATERIAL	C036	MG/L	ESE09	1664	4	2	8.917	9.196	5.636	3.071	1.556
NICKEL	7440020	UG/L	ISM64	200.7	40	0	169.345	175.622	133.236	3.824	1.709
NICKEL	7440020	UG/L	ESE09	1620	4	2	40.325	40.655	22.575	2.262	1.481
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE09	160.2	4	2	6.750	7.271	6.187	4.366	1.801

---------- Subcategory=OTHER -- Option=DRI_BPT ----------

Analyte	CAS_NO	Unit	Episode	Method	# Obs	# NDs	Obs Mean	Est. LTA	Est. STD	1-Day V.F.	Monthly V.F.
TOTAL SUSPENDED SOLIDS	C009	MG/L	ISM65	160.2	11	0	10.827	11.017	7.664	3.540	1.647
TOTAL SUSPENDED SOLIDS	C009	MG/L	ESE10	160.2	1	1	4.000	4.000	.	.	.

Attachment 12-3. Concentration-Based Limitations

After Transfers of Long-Term Averages, Variability Factors, and Limitations

---------- Subcategory=COKE_BYPROD -- Option=BAT3 ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
AMMONIA AS NITROGEN	7664417	0.05	MG/L	MG/L	0.28	3.77	1.70	1.04	0.47
BENZO(A)PYRENE	50328	10.00	UG/L	UG/L	10.08	6.84	2.28	68.95	23.02
CYANIDE	57125	0.02	MG/L	MG/L	1.45	5.43	2.06	7.87	2.99
MERCURY	7439976	0.20	UG/L	UG/L	0.30	2.22	1.35	0.66	0.40
NAPHTHALENE	91203	10.00	UG/L	UG/L	11.44	6.84	2.28	78.29	26.13
OIL AND GREASE	C036	5.00	MG/L	MG/L	7.24	2.57	1.39	18.64	10.03
PHENOL	108952	10.00	UG/L	UG/L	10.08	2.50	1.41	25.17	14.17
SELENIUM	7782492	5.00	UG/L	UG/L	111.00	1.26	1.09	139.94	120.56
THIOCYANATE	302045	0.10	MG/L	MG/L	0.72	1.72	1.21	1.24	0.87
TSS	C009	4.00	MG/L	MG/L	16.92	2.98	1.51	50.43	25.54

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
AMMONIA AS NITROGEN	7664417	0.05	MG/L	MG/L	33.86	1.89	1.25	64.06	42.40
CYANIDE	57125	0.02	MG/L	MG/L	6.48	2.85	1.49	18.47	9.67
NAPHTHALENE	91203	10.00	UG/L	UG/L	256.86	7.90	2.57	2,028.78	659.29
PHENOL	108952	10.00	UG/L	UG/L	217,719.47	7.40	2.51	1,611,820.35	546,369.65
SELENIUM	7782492	5.00	UG/L	UG/L	713.43	1.33	1.11	948.35	789.84
THIOCYANATE	302045	0.10	MG/L	MG/L	210.38	1.45	1.14	304.91	240.38

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
CHROMIUM	7440473	10.00	UG/L	UG/L	19.61	2.83	1.46	55.45	28.57
CHROMIUM (VI)	18540299	0.01	MG/L	MG/L	0.01	1.19	1.08	0.01	0.01
LEAD	7439921	50.00	UG/L	UG/L	50.00	2.92	1.52	145.85	76.01
OIL AND GREASE	C036	5.00	MG/L	MG/L	6.28	1.19	1.07	7.50	6.71
TSS	C009	4.00	MG/L	MG/L	5.29	2.62	1.42	13.85	7.53
ZINC	7440666	20.00	UG/L	UG/L	34.59	4.50	1.85	155.73	64.09

Attachment 12-3. Concentration-Based Limitations

After Transfers of Long-Term Averages, Variability Factors, and Limitations

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
AMMONIA AS NITROGEN	7664417	0.05	MG/L	MG/L	11.71	1.94	1.28	22.75	14.94
CHROMIUM	7440473	10.00	UG/L	UG/L	104.31	2.50	1.40	260.25	146.11
CHROMIUM (VI)	18540299	0.01	MG/L	MG/L	0.08	2.15	1.32	0.17	0.10
FLUORIDE	16984488	0.10	MG/L	MG/L	16.34	1.42	1.14	23.25	18.54
NICKEL	7440020	40.00	UG/L	UG/L	43.61	1.76	1.24	76.80	54.00
OIL AND GREASE	C036	5.00	MG/L	MG/L	6.20	1.44	1.14	8.96	7.09
TSS	C009	4.00	MG/L	MG/L	4.00	3.15	1.58	12.59	6.32

---------- Subcategory=INT_HOTFORM -- Option=CARBON_BAT1 ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
LEAD	7439921	50	UG/L	UG/L	50.00	2.92	1.52	145.85	76.01
OIL AND GREASE	C036	5	MG/L	MG/L	6.58	1.44	1.14	9.50	7.52
TSS	C009	4	MG/L	MG/L	9.88	2.20	1.50	21.75	14.87
ZINC	7440666	20	UG/L	UG/L	87.94	1.79	1.24	157.24	108.68

---------- Subcategory=INT_HOTFORM -- Option=SPECIALTY_BAT1 ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
CHROMIUM	7440473	10	UG/L	UG/L	25.12	3.85	1.73	96.78	43.43
NICKEL	7440020	40	UG/L	UG/L	108.14	3.04	1.60	329.03	172.50
OIL AND GREASE	C036	5	MG/L	MG/L	9.20	3.07	1.56	28.24	14.31
TSS	C009	4	MG/L	MG/L	7.27	4.37	1.80	31.74	13.09

---------- Subcategory=INT_STEEL -- Option=BAT1 ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
LEAD	7439921	50	UG/L	UG/L	50.00	2.92	1.52	145.85	76.01
ZINC	7440666	20	UG/L	UG/L	68.02	2.46	1.40	167.20	95.26

Attachment 12-3. Concentration-Based Limitations

After Transfers of Long-Term Averages, Variability Factors, and Limitations

Subcategory=IRON -- Option=BAT1

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
AMMONIA AS NITROGEN	7664417	0.05	MG/L	MG/L	0.28	3.77	1.70	1.04	0.47
CYANIDE	57125	0.02	MG/L	MG/L	1.45	5.43	2.06	7.87	2.99
LEAD	7439921	50.00	UG/L	UG/L	50.00	2.92	1.52	145.85	76.01
OIL AND GREASE	C036	5.00	MG/L	MG/L	5.88	1.44	1.14	8.49	6.72
PHENOL	108952	10.00	UG/L	UG/L	10.00	7.40	2.51	74.03	25.09
TCDF	51207319	10.00	PG/L	PG/L	10.00	.	.	.	.
ZINC	7440666	20.00	UG/L	UG/L	36.80	5.04	1.98	185.64	73.01

Subcategory=IRON -- Option=PSES1

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
AMMONIA AS NITROGEN	7664417	0.05	MG/L	MG/L	72.49	1.48	1.15	107.56	83.40
LEAD	7439921	50.00	UG/L	UG/L	50.00	2.92	1.52	145.85	76.01
OIL AND GREASE	C036	5.00	MG/L	MG/L	5.88	1.44	1.14	8.49	6.72
TCDF	51207319	10.00	PG/L	PG/L	10.00	.	.	.	.
ZINC	7440666	20.00	UG/L	UG/L	842.63	2.73	1.44	2,299.30	1,213.23

Subcategory=NONINT_STEEL_HOTFORM -- Option=CARBON_BAT1

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
LEAD	7439921	50	UG/L	UG/L	50.00	2.92	1.52	145.85	76.01
ZINC	7440666	20	UG/L	UG/L	31.34	3.87	1.72	121.30	53.87

Subcategory=NONINT_STEEL_HOTFORM -- Option=SPECIALTY_BAT1

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
CHROMIUM	7440473	10	UG/L	UG/L	25.12	3.85	1.73	96.78	43.43
NICKEL	7440020	40	UG/L	UG/L	108.14	3.04	1.60	329.03	172.50

Attachment 12-3. Concentration-Based Limitations

After Transfers of Long-Term Averages, Variability Factors, and Limitations

---------- Subcategory=OTHER -- Option=DRI_BPT ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
TSS	C009	4	MG/L	MG/L	7.51	3.54	1.65	26.58	12.36

---------- Subcategory=OTHER -- Option=FORGING ----------

Analyte	CAS Number	Baseline Value	Baseline Unit	Unit	LTA	1-Day V.F.	Monthly V.F.	Daily Limit	Monthly Limit
OIL AND GREASE	C036	5	MG/L	MG/L	7.89	2.26	1.35	18.87	10.92
TSS	C009	4	MG/L	MG/L	8.57	3.28	1.65	26.75	13.98

Attachment 12-4 Production Values

Subcategory	Option	General Process[1]	Manufacturing Process[1]	Production[2] (gal/ton)
Cokemaking	BAT1	By-Product	n/a	158
		Non-recovery	n/a	0
	BAT3	By-Product	n/a	158
		Non-recovery	n/a	0
	PSES1	By-Product	n/a	158
		Non-recovery	n/a	0
Steel Finishing	CARBON_BAT1	Acid Pickling - Hydrochloric	Strip, Sheet	50
			Bar, Billet, Rod, Coil	490
			Pipe, Tube	1,020
			Plate	35
		Acid Pickling - Sulfuric	Strip, Sheet	230
			Bar, Billet, Rod, Coil	280
			Pipe, Tube	500
			Plate	35
		Acid Regeneration	fume scrubbers (gal/min)	100
		Annealing without water quench	n/a	0
		Cold Forming	Single Stand, recirculation	1
			Single Stand, dir. application	3
			Multiple Stand, recirculation	25
			Multiple Stand, dir. application	275
			Multiple Stand, Combination	143

Subcategory	Option	General Process[1]	Manufacturing Process[1]	Production[2] (gal/ton)
Steel Finishing (continued)	CARBON_BAT1 (continued)	Alkaline Cleaning	Strip, Sheet	350
			Pipe, Tube	20
		Continuous Annealing Lines	n/a	20
		Hot Coating	Galvanizing, terne & other metals	550
		Electroplating	Strip, Sheet: Tin/Chrome	1,100
			Strip, Sheet: Zinc, Other metals	550
			Plate	35
		Wet air pollution control devices	fume scrubbers (gal/min)	15
Steel Finishing	SPECIALTY_BAT1	Acid Pickling and other descaling	Bar, Billet	230
			Pipe, tube	770
			Strip, Sheet	700
			Plate	35
		Acid Regeneration	fume scrubbers (gal/min)	100
		Annealing without water quench	n/a	0
		Cold Forming	Single Stand, recirculation	3
			Single Stand, dir. application	35
			Multiple Stand, recirculation	16
			Multiple Stand, dir. application	275
			Multiple Stand, Combination	143
		Alkaline Cleaning	Strip, Sheet	2,500
			Pipe, tube	20
		Continuous Annealing Lines	n/a	20
		Wet air pollution control devices	fume scrubbers (gal/min)	15

Subcategory	Option	General Process[1]	Manufacturing Process[1]	Production[2] (gal/ton)
Integrated and Stand-Alone Hot Forming	CARBON_BAT1	n/a	n/a	100
	SPECIALTY_BAT1	n/a	n/a	100
Integrated Steelmaking	BAT1	Basic Oxygen Furnaces	Semi-wet air controls	10
			Wet - open combustion	20
			Wet - suppressed combustion	20
		Ladle Metallurgy	n/a	0
		Vacuum Degassing	n/a	15
		Continuous Casting	n/a	20
Ironmaking	BAT1	Sintering	n/a	75
			dry air pollution control	0
		Blast	n/a	25
			dry air pollution control	0
	PSES1	Sintering	n/a	75
		Blast	n/a	25
Non-Integrated Steelmaking and Hot Forming	CARBON_BAT1	Electric Arc Furnaces	n/a	0
		Vacuum Degassing	n/a	10
		Continuous Casting	n/a	10
		Hot Forming	n/a	50
	SPECIALTY_BAT1	Electric Arc Furnaces	n/a	0
		Vacuum Degassing	n/a	10
		Continuous Casting	n/a	10
		Hot Forming	n/a	50
		Ladle Metallurgy	n/a	0

Subcategory	Option	General Process[1]	Manufacturing Process[1]	Production[2] (gal/ton)
Other Operations	DRI_BPT	n/a	n/a	90
	FORGING	n/a	n/a	100
	BRIQUETTING	n/a	n/a	0

[1]Processes are only identified where there are differences between production values.
[2]Units are gal/ton except for fume scrubbers (gal/min)

Attachment 12-5. Production-Normalized Limitations

Subcategory=COKE_BYPROD -- Option=BAT3

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
AMMONIA AS NITROGEN	7664417	BY-PRODUCT	N/A	158	0.000364	0.00137	0.000618	LBS/TON
AMMONIA AS NITROGEN	7664417	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
BENZO(A)PYRENE	50328	BY-PRODUCT	N/A	158	0.0000133	0.0000909	0.0000304	LBS/TON
BENZO(A)PYRENE	50328	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
CYANIDE	57125	BY-PRODUCT	N/A	158	0.00191	0.0104	0.00394	LBS/TON
CYANIDE	57125	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
MERCURY	7439976	BY-PRODUCT	N/A	158	0.000000389	0.000000864	0.000000523	LBS/TON
MERCURY	7439976	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
NAPHTHALENE	91203	BY-PRODUCT	N/A	158	0.0000151	0.000103	0.0000345	LBS/TON
NAPHTHALENE	91203	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
OIL AND GREASE	C036	BY-PRODUCT	N/A	158	0.00955	0.0246	0.0132	LBS/TON
OIL AND GREASE	C036	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
PHENOL	108952	BY-PRODUCT	N/A	158	0.0000133	0.0000332	0.0000187	LBS/TON
PHENOL	108952	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
SELENIUM	7782492	BY-PRODUCT	N/A	158	0.000146	0.000185	0.000159	LBS/TON
SELENIUM	7782492	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
THIOCYANATE	302045	BY-PRODUCT	N/A	158	0.000954	0.00164	0.00115	LBS/TON
THIOCYANATE	302045	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
TOTAL RESIDUAL CHLORINE	7782505	BY-PRODUCT	N/A	158	.	0.000659	.	LBS/TON
TOTAL RESIDUAL CHLORINE	7782505	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
TSS	C009	BY-PRODUCT	N/A	158	0.0223	0.0665	0.0337	LBS/TON
TSS	C009	NON-RECOVERY	N/A	0	.	.	.	LBS/TON

Subcategory=COKE_BYPROD -- Option=PSES1

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
AMMONIA AS NITROGEN	7664417	BY-PRODUCT	N/A	158	0.0446	0.0845	0.0559	LBS/TON
AMMONIA AS NITROGEN	7664417	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
CYANIDE	57125	BY-PRODUCT	N/A	158	0.00855	0.0244	0.0128	LBS/TON
CYANIDE	57125	NON-RECOVERY	N/A	0	.	.	.	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=COKE_BYPROD -- Option=PSES1 ----------
(continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
NAPHTHALENE	91203	BY-PRODUCT	N/A	158	0.000339	0.00268	0.000869	LBS/TON
NAPHTHALENE	91203	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
PHENOL	108952	BY-PRODUCT	N/A	158	0.287	2.13	0.720	LBS/TON
PHENOL	108952	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
SELENIUM	7782492	BY-PRODUCT	N/A	158	0.000941	0.00125	0.00104	LBS/TON
SELENIUM	7782492	NON-RECOVERY	N/A	0	.	.	.	LBS/TON
THIOCYANATE	302045	BY-PRODUCT	N/A	158	0.277	0.402	0.317	LBS/TON
THIOCYANATE	302045	NON-RECOVERY	N/A	0	.	.	.	LBS/TON

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
CHROMIUM	7440473	ACID PICKLING-HYDROCHLORIC	BAR,BILLET,ROD,COIL	490	0.0000802	0.000227	0.000117	LBS/TON
CHROMIUM	7440473	ACID PICKLING-HYDROCHLORIC	PIPE,TUBE	1020	0.000167	0.000472	0.000243	LBS/TON
CHROMIUM	7440473	ACID PICKLING-HYDROCHLORIC	PLATE	35	0.00000573	0.0000162	0.00000834	LBS/TON
CHROMIUM	7440473	ACID PICKLING-HYDROCHLORIC	STRIP,SHEET	50	0.00000818	0.0000231	0.0000119	LBS/TON
CHROMIUM	7440473	ACID PICKLING-SULFURIC	BAR,BILLET,ROD,COIL	280	0.0000458	0.000130	0.0000668	LBS/TON
CHROMIUM	7440473	ACID PICKLING-SULFURIC	PIPE,TUBE	500	0.0000818	0.000231	0.000119	LBS/TON
CHROMIUM	7440473	ACID PICKLING-SULFURIC	PLATE	35	0.00000573	0.0000162	0.00000834	LBS/TON
CHROMIUM	7440473	ACID PICKLING-SULFURIC	STRIP,SHEET	230	0.0000376	0.000106	0.0000548	LBS/TON
CHROMIUM	7440473	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	0.0236	0.0666	0.0343	LBS/DAY
CHROMIUM	7440473	ALKALINE CLEANING	PIPE,TUBE	20	0.00000327	0.00000925	0.00000477	LBS/TON
CHROMIUM	7440473	ALKALINE CLEANING	STRIP,SHEET	350	0.0000573	0.000162	0.0000834	LBS/TON
CHROMIUM	7440473	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
CHROMIUM	7440473	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0000234	0.0000662	0.0000341	LBS/TON
CHROMIUM	7440473	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0000450	0.000127	0.0000656	LBS/TON
CHROMIUM	7440473	COLD FORMING	DIR.APPLICATION-SINGLE STAND	3	0.000000491	0.00000139	0.000000715	LBS/TON
CHROMIUM	7440473	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	25	0.00000409	0.0000116	0.00000596	LBS/TON
CHROMIUM	7440473	COLD FORMING	RECIRCULATION-SINGLE STAND	1	0.000000164	0.000000463	0.000000238	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
CHROMIUM	7440473	CONTINUOUS ANNEALING LINES	N/A	20	0.00000327	0.00000925	0.00000477	LBS/TON
CHROMIUM	7440473	ELECTROPLATING	PLATE	35	0.00000573	0.0000162	0.00000834	LBS/TON
CHROMIUM	7440473	ELECTROPLATING	STRIP,SHEET:TIN,CHROMIUM	1100	0.000180	0.000509	0.000262	LBS/TON
CHROMIUM	7440473	ELECTROPLATING	STRIP,SHEET:ZINC,OTHER METALS	550	0.0000900	0.000255	0.000131	LBS/TON
CHROMIUM	7440473	HOT COATING	GALVANIZING,TERNE&OTHER METALS	550	0.0000900	0.000255	0.000131	LBS/TON
CHROMIUM	7440473	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.00353	0.00999	0.00515	LBS/DAY
CHROMIUM (VI)	18540299	ACID PICKLING-HYDROCHLORIC	BAR,BILLET,ROD,COIL	490	0.0000427	0.0000508	0.0000463	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING-HYDROCHLORIC	PIPE,TUBE	1020	0.0000890	0.000106	0.0000963	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING-HYDROCHLORIC	PLATE	35	0.00000305	0.00000363	0.00000330	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING-HYDROCHLORIC	STRIP,SHEET	50	0.00000436	0.00000518	0.00000472	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING-SULFURIC	BAR,BILLET,ROD,COIL	280	0.0000244	0.0000290	0.0000264	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING-SULFURIC	PIPE,TUBE	500	0.0000436	0.0000518	0.0000472	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING-SULFURIC	PLATE	35	0.00000305	0.00000363	0.00000330	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING-SULFURIC	STRIP,SHEET	230	0.0000201	0.0000238	0.0000217	LBS/TON
CHROMIUM (VI)	18540299	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	0.0126	0.0149	0.0136	LBS/DAY
CHROMIUM (VI)	18540299	ALKALINE CLEANING	PIPE,TUBE	20	0.00000174	0.00000207	0.00000189	LBS/TON
CHROMIUM (VI)	18540299	ALKALINE CLEANING	STRIP,SHEET	350	0.0000305	0.0000363	0.0000330	LBS/TON
CHROMIUM (VI)	18540299	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0000125	0.0000148	0.0000135	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0000240	0.0000285	0.0000260	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	DIR.APPLICATION-SINGLE STAND	3	0.000000262	0.000000311	0.000000283	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	25	0.00000218	0.00000259	0.00000236	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	RECIRCULATION-SINGLE STAND	1	0.0000000872	0.000000104	0.0000000944	LBS/TON
CHROMIUM (VI)	18540299	CONTINUOUS ANNEALING LINES	N/A	20	0.00000174	0.00000207	0.00000189	LBS/TON
CHROMIUM (VI)	18540299	ELECTROPLATING	PLATE	35	0.00000305	0.00000363	0.00000330	LBS/TON
CHROMIUM (VI)	18540299	ELECTROPLATING	STRIP,SHEET:TIN,CHROMIUM	1100	0.0000959	0.000114	0.000104	LBS/TON
CHROMIUM (VI)	18540299	ELECTROPLATING	STRIP,SHEET:ZINC,OTHER METALS	550	0.0000480	0.0000570	0.0000519	LBS/TON
CHROMIUM (VI)	18540299	HOT COATING	GALVANIZING,TERNE&OTHER METALS	550	0.0000480	0.0000570	0.0000519	LBS/TON
CHROMIUM (VI)	18540299	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.00188	0.00224	0.00204	LBS/DAY
LEAD	7439921	ACID PICKLING-HYDROCHLORIC	BAR,BILLET,ROD,COIL	490	0.000204	0.000596	0.000311	LBS/TON
LEAD	7439921	ACID PICKLING-HYDROCHLORIC	PIPE,TUBE	1020	0.000426	0.00124	0.000647	LBS/TON
LEAD	7439921	ACID PICKLING-HYDROCHLORIC	PLATE	35	0.0000146	0.0000426	0.0000222	LBS/TON
LEAD	7439921	ACID PICKLING-HYDROCHLORIC	STRIP,SHEET	50	0.0000209	0.0000609	0.0000317	LBS/TON
LEAD	7439921	ACID PICKLING-SULFURIC	BAR,BILLET,ROD,COIL	280	0.000117	0.000341	0.000178	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
LEAD	7439921	ACID PICKLING-SULFURIC	PIPE,TUBE	500	0.000209	0.000609	0.000317	LBS/TON
LEAD	7439921	ACID PICKLING-SULFURIC	PLATE	35	0.0000146	0.0000426	0.0000222	LBS/TON
LEAD	7439921	ACID PICKLING-SULFURIC	STRIP,SHEET	230	0.0000960	0.000280	0.000146	LBS/TON
LEAD	7439921	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	0.0601	0.175	0.0913	LBS/DAY
LEAD	7439921	ALKALINE CLEANING	PIPE,TUBE	20	0.00000835	0.0000243	0.0000127	LBS/TON
LEAD	7439921	ALKALINE CLEANING	STRIP,SHEET	350	0.000146	0.000426	0.000222	LBS/TON
LEAD	7439921	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
LEAD	7439921	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0000597	0.000174	0.0000907	LBS/TON
LEAD	7439921	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.000115	0.000335	0.000174	LBS/TON
LEAD	7439921	COLD FORMING	DIR.APPLICATION-SINGLE STAND	3	0.00000125	0.00000365	0.00000190	LBS/TON
LEAD	7439921	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	25	0.0000104	0.0000304	0.0000159	LBS/TON
LEAD	7439921	COLD FORMING	RECIRCULATION-SINGLE STAND	1	0.000000417	0.00000122	0.000000634	LBS/TON
LEAD	7439921	CONTINUOUS ANNEALING LINES	N/A	20	0.00000835	0.0000243	0.0000127	LBS/TON
LEAD	7439921	ELECTROPLATING	PLATE	35	0.0000146	0.0000426	0.0000222	LBS/TON
LEAD	7439921	ELECTROPLATING	STRIP,SHEET:TIN,CHROMIUM	1100	0.000459	0.00134	0.000698	LBS/TON
LEAD	7439921	ELECTROPLATING	STRIP,SHEET:ZINC,OTHER METALS	550	0.000229	0.000669	0.000349	LBS/TON
LEAD	7439921	HOT COATING	GALVANIZING,TERNE&OTHER METALS	550	0.000229	0.000669	0.000349	LBS/TON
LEAD	7439921	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.00901	0.0263	0.0137	LBS/DAY
OIL AND GREASE	C036	ACID PICKLING-HYDROCHLORIC	BAR,BILLET,ROD,COIL	490	0.0257	0.0307	0.0274	LBS/TON
OIL AND GREASE	C036	ACID PICKLING-HYDROCHLORIC	PIPE,TUBE	1020	0.0535	0.0638	0.0571	LBS/TON
OIL AND GREASE	C036	ACID PICKLING-HYDROCHLORIC	PLATE	35	0.00184	0.00219	0.00196	LBS/TON
OIL AND GREASE	C036	ACID PICKLING-HYDROCHLORIC	STRIP,SHEET	50	0.00262	0.00313	0.00280	LBS/TON
OIL AND GREASE	C036	ACID PICKLING-SULFURIC	BAR,BILLET,ROD,COIL	280	0.0147	0.0175	0.0157	LBS/TON
OIL AND GREASE	C036	ACID PICKLING-SULFURIC	PIPE,TUBE	500	0.0262	0.0313	0.0280	LBS/TON
OIL AND GREASE	C036	ACID PICKLING-SULFURIC	PLATE	35	0.00184	0.00219	0.00196	LBS/TON
OIL AND GREASE	C036	ACID PICKLING-SULFURIC	STRIP,SHEET	230	0.0121	0.0144	0.0129	LBS/TON
OIL AND GREASE	C036	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	7.55	9.01	8.07	LBS/DAY
OIL AND GREASE	C036	ALKALINE CLEANING	PIPE,TUBE	20	0.00105	0.00125	0.00112	LBS/TON
OIL AND GREASE	C036	ALKALINE CLEANING	STRIP,SHEET	350	0.0184	0.0219	0.0196	LBS/TON
OIL AND GREASE	C036	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
OIL AND GREASE	C036	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.00750	0.00895	0.00801	LBS/TON
OIL AND GREASE	C036	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0144	0.0172	0.0154	LBS/TON
OIL AND GREASE	C036	COLD FORMING	DIR.APPLICATION-SINGLE STAND	3	0.000157	0.000188	0.000168	LBS/TON
OIL AND GREASE	C036	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	25	0.00131	0.00156	0.00140	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=FINISHING -- Option=CARBON_BAT1 ----------
(continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
OIL AND GREASE	C036	COLD FORMING	RECIRCULATION-SINGLE STAND	1	0.0000524	0.0000626	0.0000560	LBS/TON
OIL AND GREASE	C036	CONTINUOUS ANNEALING LINES	N/A	20	0.00105	0.00125	0.00112	LBS/TON
OIL AND GREASE	C036	ELECTROPLATING	PLATE	35	0.00184	0.00219	0.00196	LBS/TON
OIL AND GREASE	C036	ELECTROPLATING	STRIP,SHEET:TIN,CHROMIUM	1100	0.0577	0.0688	0.0616	LBS/TON
OIL AND GREASE	C036	ELECTROPLATING	STRIP,SHEET:ZINC,OTHER METALS	550	0.0288	0.0344	0.0308	LBS/TON
OIL AND GREASE	C036	HOT COATING	GALVANIZING,TERNE&OTHER METALS	550	0.0288	0.0344	0.0308	LBS/TON
OIL AND GREASE	C036	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	1.13	1.35	1.21	LBS/DAY
TSS	C009	ACID PICKLING-HYDROCHLORIC	BAR,BILLET,ROD,COIL	490	0.0216	0.0566	0.0308	LBS/TON
TSS	C009	ACID PICKLING-HYDROCHLORIC	PIPE,TUBE	1020	0.0451	0.118	0.0641	LBS/TON
TSS	C009	ACID PICKLING-HYDROCHLORIC	PLATE	35	0.00155	0.00405	0.00220	LBS/TON
TSS	C009	ACID PICKLING-HYDROCHLORIC	STRIP,SHEET	50	0.00221	0.00578	0.00314	LBS/TON
TSS	C009	ACID PICKLING-SULFURIC	BAR,BILLET,ROD,COIL	280	0.0124	0.0324	0.0176	LBS/TON
TSS	C009	ACID PICKLING-SULFURIC	PIPE,TUBE	500	0.0221	0.0578	0.0314	LBS/TON
TSS	C009	ACID PICKLING-SULFURIC	PLATE	35	0.00155	0.00405	0.00220	LBS/TON
TSS	C009	ACID PICKLING-SULFURIC	STRIP,SHEET	230	0.0102	0.0266	0.0145	LBS/TON
TSS	C009	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	6.36	16.6	9.05	LBS/DAY
TSS	C009	ALKALINE CLEANING	PIPE,TUBE	20	0.000883	0.00231	0.00126	LBS/TON
TSS	C009	ALKALINE CLEANING	STRIP,SHEET	350	0.0155	0.0405	0.0220	LBS/TON
TSS	C009	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
TSS	C009	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.00632	0.0165	0.00899	LBS/TON
TSS	C009	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0121	0.0318	0.0173	LBS/TON
TSS	C009	COLD FORMING	DIR.APPLICATION-SINGLE STAND	3	0.000133	0.000347	0.000189	LBS/TON
TSS	C009	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	25	0.00110	0.00289	0.00157	LBS/TON
TSS	C009	COLD FORMING	RECIRCULATION-SINGLE STAND	1	0.0000442	0.000116	0.0000628	LBS/TON
TSS	C009	CONTINUOUS ANNEALING LINES	N/A	20	0.000883	0.00231	0.00126	LBS/TON
TSS	C009	ELECTROPLATING	PLATE	35	0.00155	0.00405	0.00220	LBS/TON
TSS	C009	ELECTROPLATING	STRIP,SHEET:TIN,CHROMIUM	1100	0.0486	0.127	0.0691	LBS/TON
TSS	C009	ELECTROPLATING	STRIP,SHEET:ZINC,OTHER METALS	550	0.0243	0.0636	0.0346	LBS/TON
TSS	C009	HOT COATING	GALVANIZING,TERNE&OTHER METALS	550	0.0243	0.0636	0.0346	LBS/TON
TSS	C009	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.954	2.50	1.36	LBS/DAY
ZINC	7440666	ACID PICKLING-HYDROCHLORIC	BAR,BILLET,ROD,COIL	490	0.000141	0.000637	0.000262	LBS/TON
ZINC	7440666	ACID PICKLING-HYDROCHLORIC	PIPE,TUBE	1020	0.000294	0.00133	0.000546	LBS/TON
ZINC	7440666	ACID PICKLING-HYDROCHLORIC	PLATE	35	0.0000101	0.0000455	0.0000187	LBS/TON
ZINC	7440666	ACID PICKLING-HYDROCHLORIC	STRIP,SHEET	50	0.0000144	0.0000650	0.0000267	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

Subcategory=FINISHING -- Option=CARBON_BAT1 (continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
ZINC	7440666	ACID PICKLING-SULFURIC	BAR,BILLET,ROD,COIL	280	0.0000808	0.000364	0.000150	LBS/TON
ZINC	7440666	ACID PICKLING-SULFURIC	PIPE,TUBE	500	0.000144	0.000650	0.000267	LBS/TON
ZINC	7440666	ACID PICKLING-SULFURIC	PLATE	35	0.0000101	0.0000455	0.0000187	LBS/TON
ZINC	7440666	ACID PICKLING-SULFURIC	STRIP,SHEET	230	0.0000664	0.000299	0.000123	LBS/TON
ZINC	7440666	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	0.0416	0.187	0.0770	LBS/DAY
ZINC	7440666	ALKALINE CLEANING	PIPE,TUBE	20	0.00000577	0.0000260	0.0000107	LBS/TON
ZINC	7440666	ALKALINE CLEANING	STRIP,SHEET	350	0.000101	0.000455	0.000187	LBS/TON
ZINC	7440666	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
ZINC	7440666	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0000413	0.000186	0.0000765	LBS/TON
ZINC	7440666	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0000794	0.000357	0.000147	LBS/TON
ZINC	7440666	COLD FORMING	DIR.APPLICATION-SINGLE STAND	3	0.000000866	0.00000390	0.00000160	LBS/TON
ZINC	7440666	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	25	0.00000722	0.0000325	0.0000134	LBS/TON
ZINC	7440666	COLD FORMING	RECIRCULATION-SINGLE STAND	1	0.000000289	0.00000130	0.000000535	LBS/TON
ZINC	7440666	CONTINUOUS ANNEALING LINES	N/A	20	0.00000577	0.0000260	0.0000107	LBS/TON
ZINC	7440666	ELECTROPLATING	PLATE	35	0.0000101	0.0000455	0.0000187	LBS/TON
ZINC	7440666	ELECTROPLATING	STRIP,SHEET:TIN,CHROMIUM	1100	0.000318	0.00143	0.000588	LBS/TON
ZINC	7440666	ELECTROPLATING	STRIP,SHEET:ZINC,OTHER METALS	550	0.000159	0.000715	0.000294	LBS/TON
ZINC	7440666	HOT COATING	GALVANIZING,TERNE&OTHER METALS	550	0.000159	0.000715	0.000294	LBS/TON
ZINC	7440666	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.00624	0.0281	0.0116	LBS/DAY

Subcategory=FINISHING -- Option=SPECIALTY_BAT1

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
AMMONIA AS NITROGEN	7664417	ACID PICKLING&OTHER DESCALI	BAR,BILLET	230	0.0225	0.0437	0.0287	LBS/TON
AMMONIA AS NITROGEN	7664417	ACID PICKLING&OTHER DESCALI	PIPE, TUBE	770	0.0752	0.146	0.0960	LBS/TON
AMMONIA AS NITROGEN	7664417	ACID PICKLING&OTHER DESCALI	PLATE	35	0.00342	0.00665	0.00436	LBS/TON
AMMONIA AS NITROGEN	7664417	ACID PICKLING&OTHER DESCALI	STRIP,SHEET	700	0.0684	0.133	0.0873	LBS/TON
AMMONIA AS NITROGEN	7664417	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	14.1	27.3	17.9	LBS/DAY
AMMONIA AS NITROGEN	7664417	ALKALINE CLEANING	PIPE, TUBE	20	0.00195	0.00380	0.00249	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------
(continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
AMMONIA AS NITROGEN	7664417	ALKALINE CLEANING	STRIP,SHEET	2500	0.244	0.475	0.312	LBS/TON
AMMONIA AS NITROGEN	7664417	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
AMMONIA AS NITROGEN	7664417	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0140	0.0272	0.0178	LBS/TON
AMMONIA AS NITROGEN	7664417	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0269	0.0522	0.0343	LBS/TON
AMMONIA AS NITROGEN	7664417	COLD FORMING	DIR.APPLICATION-SINGLE STAND	35	0.00342	0.00665	0.00436	LBS/TON
AMMONIA AS NITROGEN	7664417	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	16	0.00156	0.00304	0.00199	LBS/TON
AMMONIA AS NITROGEN	7664417	COLD FORMING	RECIRCULATION-SINGLE STAND	3	0.000293	0.000570	0.000374	LBS/TON
AMMONIA AS NITROGEN	7664417	CONTINUOUS ANNEALING LINES	N/A	20	0.00195	0.00380	0.00249	LBS/TON
AMMONIA AS NITROGEN	7664417	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	2.11	4.10	2.69	LBS/DAY
CHROMIUM	7440473	ACID PICKLING&OTHER DESCALI	BAR,BILLET	230	0.000200	0.000500	0.000280	LBS/TON
CHROMIUM	7440473	ACID PICKLING&OTHER DESCALI	PIPE, TUBE	770	0.000670	0.00167	0.000939	LBS/TON
CHROMIUM	7440473	ACID PICKLING&OTHER DESCALI	PLATE	35	0.0000305	0.0000760	0.0000427	LBS/TON
CHROMIUM	7440473	ACID PICKLING&OTHER DESCALI	STRIP,SHEET	700	0.000609	0.00152	0.000854	LBS/TON
CHROMIUM	7440473	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	0.125	0.313	0.176	LBS/DAY
CHROMIUM	7440473	ALKALINE CLEANING	PIPE, TUBE	20	0.0000174	0.0000434	0.0000244	LBS/TON
CHROMIUM	7440473	ALKALINE CLEANING	STRIP,SHEET	2500	0.00218	0.00543	0.00305	LBS/TON
CHROMIUM	7440473	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
CHROMIUM	7440473	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.000124	0.000311	0.000174	LBS/TON
CHROMIUM	7440473	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.000239	0.000597	0.000335	LBS/TON
CHROMIUM	7440473	COLD FORMING	DIR.APPLICATION-SINGLE STAND	35	0.0000305	0.0000760	0.0000427	LBS/TON
CHROMIUM	7440473	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	16	0.0000139	0.0000348	0.0000195	LBS/TON
CHROMIUM	7440473	COLD FORMING	RECIRCULATION-SINGLE STAND	3	0.00000261	0.00000652	0.00000366	LBS/TON
CHROMIUM	7440473	CONTINUOUS ANNEALING LINES	N/A	20	0.0000174	0.0000434	0.0000244	LBS/TON
CHROMIUM	7440473	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.0188	0.0469	0.0263	LBS/DAY
CHROMIUM (VI)	18540299	ACID PICKLING&OTHER DESCALI	BAR,BILLET	230	0.000148	0.000318	0.000196	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING&OTHER DESCALI	PIPE, TUBE	770	0.000495	0.00107	0.000655	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING&OTHER DESCALI	PLATE	35	0.0000225	0.0000484	0.0000298	LBS/TON
CHROMIUM (VI)	18540299	ACID PICKLING&OTHER DESCALI	STRIP,SHEET	700	0.000450	0.000969	0.000595	LBS/TON
CHROMIUM (VI)	18540299	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	0.0926	0.199	0.122	LBS/DAY
CHROMIUM (VI)	18540299	ALKALINE CLEANING	PIPE, TUBE	20	0.0000129	0.0000277	0.0000170	LBS/TON
CHROMIUM (VI)	18540299	ALKALINE CLEANING	STRIP,SHEET	2500	0.00161	0.00346	0.00213	LBS/TON
CHROMIUM (VI)	18540299	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0000919	0.000198	0.000122	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.000177	0.000381	0.000234	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------
(continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
CHROMIUM (VI)	18540299	COLD FORMING	DIR.APPLICATION-SINGLE STAND	35	0.0000225	0.0000484	0.0000298	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	16	0.0000103	0.0000221	0.0000136	LBS/TON
CHROMIUM (VI)	18540299	COLD FORMING	RECIRCULATION-SINGLE STAND	3	0.00000193	0.00000415	0.00000255	LBS/TON
CHROMIUM (VI)	18540299	CONTINUOUS ANNEALING LINES	N/A	20	0.0000129	0.0000277	0.0000170	LBS/TON
CHROMIUM (VI)	18540299	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.0139	0.0299	0.0184	LBS/DAY
FLUORIDE	16984488	ACID PICKLING&OTHER DESCALI	BAR,BILLET	230	0.0314	0.0446	0.0356	LBS/TON
FLUORIDE	16984488	ACID PICKLING&OTHER DESCALI	PIPE, TUBE	770	0.105	0.149	0.119	LBS/TON
FLUORIDE	16984488	ACID PICKLING&OTHER DESCALI	PLATE	35	0.00477	0.00679	0.00542	LBS/TON
FLUORIDE	16984488	ACID PICKLING&OTHER DESCALI	STRIP,SHEET	700	0.0954	0.136	0.108	LBS/TON
FLUORIDE	16984488	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	19.6	27.9	22.3	LBS/DAY
FLUORIDE	16984488	ALKALINE CLEANING	PIPE, TUBE	20	0.00273	0.00388	0.00309	LBS/TON
FLUORIDE	16984488	ALKALINE CLEANING	STRIP,SHEET	2500	0.341	0.485	0.387	LBS/TON
FLUORIDE	16984488	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
FLUORIDE	16984488	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0195	0.0278	0.0221	LBS/TON
FLUORIDE	16984488	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0375	0.0534	0.0426	LBS/TON
FLUORIDE	16984488	COLD FORMING	DIR.APPLICATION-SINGLE STAND	35	0.00477	0.00679	0.00542	LBS/TON
FLUORIDE	16984488	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	16	0.00218	0.00311	0.00248	LBS/TON
FLUORIDE	16984488	COLD FORMING	RECIRCULATION-SINGLE STAND	3	0.000409	0.000582	0.000464	LBS/TON
FLUORIDE	16984488	CONTINUOUS ANNEALING LINES	N/A	20	0.00273	0.00388	0.00309	LBS/TON
FLUORIDE	16984488	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	2.94	4.19	3.34	LBS/DAY
NICKEL	7440020	ACID PICKLING&OTHER DESCALI	BAR,BILLET	230	0.0000837	0.000147	0.000104	LBS/TON
NICKEL	7440020	ACID PICKLING&OTHER DESCALI	PIPE, TUBE	770	0.000280	0.000494	0.000347	LBS/TON
NICKEL	7440020	ACID PICKLING&OTHER DESCALI	PLATE	35	0.0000127	0.0000224	0.0000158	LBS/TON
NICKEL	7440020	ACID PICKLING&OTHER DESCALI	STRIP,SHEET	700	0.000255	0.000449	0.000315	LBS/TON
NICKEL	7440020	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	0.0524	0.0923	0.0649	LBS/DAY
NICKEL	7440020	ALKALINE CLEANING	PIPE, TUBE	20	0.00000728	0.0000128	0.00000901	LBS/TON
NICKEL	7440020	ALKALINE CLEANING	STRIP,SHEET	2500	0.000910	0.00160	0.00113	LBS/TON
NICKEL	7440020	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
NICKEL	7440020	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.0000520	0.0000917	0.0000644	LBS/TON
NICKEL	7440020	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.000100	0.000176	0.000124	LBS/TON
NICKEL	7440020	COLD FORMING	DIR.APPLICATION-SINGLE STAND	35	0.0000127	0.0000224	0.0000158	LBS/TON
NICKEL	7440020	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	16	0.00000582	0.0000103	0.00000721	LBS/TON
NICKEL	7440020	COLD FORMING	RECIRCULATION-SINGLE STAND	3	0.00000109	0.00000192	0.00000135	LBS/TON
NICKEL	7440020	CONTINUOUS ANNEALING LINES	N/A	20	0.00000728	0.0000128	0.00000901	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=FINISHING -- Option=SPECIALTY_BAT1 ----------
(continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
NICKEL	7440020	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.00786	0.0138	0.00973	LBS/DAY
OIL AND GREASE	C036	ACID PICKLING&OTHER DESCALI	BAR,BILLET	230	0.0119	0.0172	0.0136	LBS/TON
OIL AND GREASE	C036	ACID PICKLING&OTHER DESCALI	PIPE, TUBE	770	0.0398	0.0576	0.0456	LBS/TON
OIL AND GREASE	C036	ACID PICKLING&OTHER DESCALI	PLATE	35	0.00181	0.00262	0.00207	LBS/TON
OIL AND GREASE	C036	ACID PICKLING&OTHER DESCALI	STRIP,SHEET	700	0.0362	0.0523	0.0414	LBS/TON
OIL AND GREASE	C036	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	7.45	10.8	8.52	LBS/DAY
OIL AND GREASE	C036	ALKALINE CLEANING	PIPE, TUBE	20	0.00103	0.00149	0.00118	LBS/TON
OIL AND GREASE	C036	ALKALINE CLEANING	STRIP,SHEET	2500	0.129	0.187	0.148	LBS/TON
OIL AND GREASE	C036	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
OIL AND GREASE	C036	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.00740	0.0107	0.00846	LBS/TON
OIL AND GREASE	C036	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.0142	0.0206	0.0163	LBS/TON
OIL AND GREASE	C036	COLD FORMING	DIR.APPLICATION-SINGLE STAND	35	0.00181	0.00262	0.00207	LBS/TON
OIL AND GREASE	C036	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	16	0.000828	0.00120	0.000947	LBS/TON
OIL AND GREASE	C036	COLD FORMING	RECIRCULATION-SINGLE STAND	3	0.000155	0.000224	0.000177	LBS/TON
OIL AND GREASE	C036	CONTINUOUS ANNEALING LINES	N/A	20	0.00103	0.00149	0.00118	LBS/TON
OIL AND GREASE	C036	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	1.12	1.61	1.28	LBS/DAY
TSS	C009	ACID PICKLING&OTHER DESCALI	BAR,BILLET	230	0.00768	0.0242	0.0121	LBS/TON
TSS	C009	ACID PICKLING&OTHER DESCALI	PIPE, TUBE	770	0.0257	0.0809	0.0406	LBS/TON
TSS	C009	ACID PICKLING&OTHER DESCALI	PLATE	35	0.00117	0.00368	0.00184	LBS/TON
TSS	C009	ACID PICKLING&OTHER DESCALI	STRIP,SHEET	700	0.0234	0.0735	0.0369	LBS/TON
TSS	C009	ACID REGENERATION	FUME SCRUBBER(GAL/MIN)	100	4.81	15.1	7.59	LBS/DAY
TSS	C009	ALKALINE CLEANING	PIPE, TUBE	20	0.000668	0.00210	0.00105	LBS/TON
TSS	C009	ALKALINE CLEANING	STRIP,SHEET	2500	0.0835	0.263	0.132	LBS/TON
TSS	C009	ANNEALING W/O WATER QUENCH	N/A	0	.	.	.	LBS/TON
TSS	C009	COLD FORMING	COMBINATION-MULTIPLE STANDS	143	0.00477	0.0150	0.00754	LBS/TON
TSS	C009	COLD FORMING	DIR.APPLICATION-MULTIPLE STANDS	275	0.00918	0.0289	0.0145	LBS/TON
TSS	C009	COLD FORMING	DIR.APPLICATION-SINGLE STAND	35	0.00117	0.00368	0.00184	LBS/TON
TSS	C009	COLD FORMING	RECIRCULATION-MULTIPLE STANDS	16	0.000534	0.00168	0.000843	LBS/TON
TSS	C009	COLD FORMING	RECIRCULATION-SINGLE STAND	3	0.000100	0.000315	0.000158	LBS/TON
TSS	C009	CONTINUOUS ANNEALING LINES	N/A	20	0.000668	0.00210	0.00105	LBS/TON
TSS	C009	WET AIR POLLUTION CONTROL D	FUME SCRUBBER(GAL/MIN)	15	0.721	2.27	1.14	LBS/DAY

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

Subcategory=INT_HOTFORM -- Option=CARBON_BAT1

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
LEAD	7439921	N/A	N/A	100	0.0000417	0.000122	0.0000634	LBS/TON
OIL AND GREASE	C036	N/A	N/A	100	0.00549	0.00793	0.00628	LBS/TON
TSS	C009	N/A	N/A	100	0.00824	0.0182	0.0124	LBS/TON
ZINC	7440666	N/A	N/A	100	0.0000734	0.000131	0.0000907	LBS/TON

Subcategory=INT_HOTFORM -- Option=SPECIALTY_BAT1

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
CHROMIUM	7440473	N/A	N/A	100	0.0000210	0.0000808	0.0000362	LBS/TON
NICKEL	7440020	N/A	N/A	100	0.0000902	0.000275	0.000144	LBS/TON
OIL AND GREASE	C036	N/A	N/A	100	0.00767	0.0236	0.0119	LBS/TON
TSS	C009	N/A	N/A	100	0.00607	0.0265	0.0109	LBS/TON

Subcategory=INT_STEEL -- Option=BAT1

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
LEAD	7439921	BASIC OXYGEN FURNACES	SEMI-WET AIR CONTROLS	10	0.00000417	0.0000122	0.00000634	LBS/TON
LEAD	7439921	BASIC OXYGEN FURNACES	WET-OPEN COMBUSTION	20	0.00000835	0.0000243	0.0000127	LBS/TON
LEAD	7439921	BASIC OXYGEN FURNACES	WET-SUPPRESSED COMBUSTION	20	0.00000835	0.0000243	0.0000127	LBS/TON
LEAD	7439921	CONTINUOUS CASTING	N/A	20	0.00000835	0.0000243	0.0000127	LBS/TON
LEAD	7439921	LADLE METALLURGY	N/A	0	.	.	.	LBS/TON
LEAD	7439921	VACUUM DEGASSING	N/A	15	0.00000626	0.0000183	0.00000951	LBS/TON
ZINC	7440666	BASIC OXYGEN FURNACES	SEMI-WET AIR CONTROLS	10	0.00000568	0.0000140	0.00000795	LBS/TON
ZINC	7440666	BASIC OXYGEN FURNACES	WET-OPEN COMBUSTION	20	0.0000114	0.0000279	0.0000159	LBS/TON
ZINC	7440666	BASIC OXYGEN FURNACES	WET-SUPPRESSED COMBUSTION	20	0.0000114	0.0000279	0.0000159	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

Subcategory=INT_STEEL -- Option=BAT1 (continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
ZINC	7440666	CONTINUOUS CASTING	N/A	20	0.0000114	0.0000279	0.0000159	LBS/TON
ZINC	7440666	LADLE METALLURGY	N/A	0	.	.	.	LBS/TON
ZINC	7440666	VACUUM DEGASSING	N/A	15	0.00000852	0.0000209	0.0000119	LBS/TON

Subcategory=IRON -- Option=BAT1

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
AMMONIA AS NITROGEN	7664417	BLAST	N/A	25	0.0000576	0.000217	0.0000977	LBS/TON
AMMONIA AS NITROGEN	7664417	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
AMMONIA AS NITROGEN	7664417	SINTERING	N/A	75	0.000173	0.000652	0.000293	LBS/TON
CYANIDE	57125	BLAST	N/A	25	0.000302	0.00164	0.000623	LBS/TON
CYANIDE	57125	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
CYANIDE	57125	SINTERING	N/A	75	0.000907	0.00493	0.00187	LBS/TON
LEAD	7439921	BLAST	N/A	25	0.0000104	0.0000304	0.0000159	LBS/TON
LEAD	7439921	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
LEAD	7439921	SINTERING	N/A	75	0.0000313	0.0000913	0.0000476	LBS/TON
OIL AND GREASE	C036	BLAST	N/A	25	0.00123	0.00177	0.00140	LBS/TON
OIL AND GREASE	C036	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
OIL AND GREASE	C036	SINTERING	N/A	75	0.00368	0.00531	0.00420	LBS/TON
PHENOL	108952	BLAST	N/A	25	0.00000209	0.0000154	0.00000523	LBS/TON
PHENOL	108952	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
PHENOL	108952	SINTERING	N/A	75	0.00000626	0.0000463	0.0000157	LBS/TON
TCDF	51207319	BLAST	N/A	25	.	.	.	LBS/TON
TCDF	51207319	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
TCDF	51207319	SINTERING	N/A	75	.	.	.	LBS/TON
TOTAL RESIDUAL CHLORINE	7782505	BLAST	N/A	25	.	0.000104	.	LBS/TON
TOTAL RESIDUAL CHLORINE	7782505	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
TOTAL RESIDUAL CHLORINE	7782505	SINTERING	N/A	75	.	0.000313	.	LBS/TON
TSS	C009	BLAST	N/A	25	.	0.00836	0.00313	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

Subcategory=IRON -- Option=BAT1 (continued)

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
TSS	C009	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
TSS	C009	SINTERING	N/A	75	.	0.0251	0.00939	LBS/TON
ZINC	7440666	BLAST	N/A	25	0.00000768	0.0000387	0.0000152	LBS/TON
ZINC	7440666	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
ZINC	7440666	SINTERING	N/A	75	0.0000230	0.000116	0.0000457	LBS/TON

Subcategory=IRON -- Option=PSES1

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
AMMONIA AS NITROGEN	7664417	BLAST	N/A	25	0.0151	0.0224	0.0174	LBS/TON
AMMONIA AS NITROGEN	7664417	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
AMMONIA AS NITROGEN	7664417	SINTERING	N/A	75	0.0454	0.0673	0.0522	LBS/TON
LEAD	7439921	BLAST	N/A	25	0.0000104	0.0000304	0.0000159	LBS/TON
LEAD	7439921	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
LEAD	7439921	SINTERING	N/A	75	0.0000313	0.0000913	0.0000476	LBS/TON
OIL AND GREASE	C036	BLAST	N/A	25	0.00123	0.00177	0.00140	LBS/TON
OIL AND GREASE	C036	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
OIL AND GREASE	C036	SINTERING	N/A	75	0.00368	0.00531	0.00420	LBS/TON
TCDF	51207319	BLAST	N/A	25	.	.	.	LBS/TON
TCDF	51207319	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
TCDF	51207319	SINTERING	N/A	75	.	.	.	LBS/TON
ZINC	7440666	BLAST	N/A	25	0.000176	0.000480	0.000253	LBS/TON
ZINC	7440666	SINTERING	DRY AIR POLLUTION CONTROL	0	.	.	.	LBS/TON
ZINC	7440666	SINTERING	N/A	75	0.000527	0.00144	0.000759	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=CARBON_BAT1 ----------

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
LEAD	7439921	CONTINUOUS CASTING	N/A	10	0.00000417	0.0000122	0.00000634	LBS/TON
LEAD	7439921	ELECTRIC ARC FURNACES	N/A	0	.	.	.	LBS/TON
LEAD	7439921	HOT FORMING	N/A	50	0.0000209	0.0000609	0.0000317	LBS/TON
LEAD	7439921	LADLE METALLURGY	N/A	0	.	.	.	LBS/TON
LEAD	7439921	VACUUM DEGASSING	N/A	10	0.00000417	0.0000122	0.00000634	LBS/TON
ZINC	7440666	CONTINUOUS CASTING	N/A	10	0.00000262	0.0000101	0.00000450	LBS/TON
ZINC	7440666	ELECTRIC ARC FURNACES	N/A	0	.	.	.	LBS/TON
ZINC	7440666	HOT FORMING	N/A	50	0.0000131	0.0000506	0.0000225	LBS/TON
ZINC	7440666	LADLE METALLURGY	N/A	0	.	.	.	LBS/TON
ZINC	7440666	VACUUM DEGASSING	N/A	10	0.00000262	0.0000101	0.00000450	LBS/TON

---------- Subcategory=NONINT_STEEL_HOTFORM -- Option=SPECIALTY_BAT1 ----------

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
CHROMIUM	7440473	CONTINUOUS CASTING	N/A	10	0.00000210	0.00000808	0.00000362	LBS/TON
CHROMIUM	7440473	ELECTRIC ARC FURNACES	N/A	0	.	.	.	LBS/TON
CHROMIUM	7440473	HOT FORMING	N/A	50	0.0000105	0.0000404	0.0000181	LBS/TON
CHROMIUM	7440473	LADLE METALLURGY	N/A	0	.	.	.	LBS/TON
CHROMIUM	7440473	VACUUM DEGASSING	N/A	10	0.00000210	0.00000808	0.00000362	LBS/TON
NICKEL	7440020	CONTINUOUS CASTING	N/A	10	0.00000902	0.0000275	0.0000144	LBS/TON
NICKEL	7440020	ELECTRIC ARC FURNACES	N/A	0	.	.	.	LBS/TON
NICKEL	7440020	HOT FORMING	N/A	50	0.0000451	0.000137	0.0000720	LBS/TON
NICKEL	7440020	LADLE METALLURGY	N/A	0	.	.	.	LBS/TON
NICKEL	7440020	VACUUM DEGASSING	N/A	10	0.00000902	0.0000275	0.0000144	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.

Attachment 12-5. Production-Normalized Limitations

---------- Subcategory=OTHER -- Option=DRI_BPT ----------

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
TSS	C009	N/A	N/A	90	0.00564	0.0200	0.00929	LBS/TON

---------- Subcategory=OTHER -- Option=FORGING ----------

Analyte	CAS Number	General Process	Manufacturing Process	Production (gal/ton)	Production-normalized LTA	Production-normalized Daily Limit	Production-normalized Monthly Limit	Production-normalized Unit
OIL AND GREASE	C036	N/A	N/A	100	0.00658	0.0149	0.00889	LBS/TON
TSS	C009	N/A	N/A	100	0.00716	0.0235	0.0118	LBS/TON

If the production-normalized unit is LBS/DAY, then the production unit is GAL/MIN rather than GAL/TON.