

**EXHIBIT A-1
CONSTRUCTION PRODUCTS
RECYCLED CONTENT**

(A) REQUIREMENT

All construction products offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer and recovered material content as shown below for the applicable products:

Construction Products	Material	% of Post-Consumer Materials	% of Total Recovered Materials
Structural Fiberboard	Recovered Materials	-	80
Laminated Paperboard	Post-consumer Paper	100	-
Rock Wool Insulation	Slag	-	75
Fiberglass Insulation	Glass Cullet	-	20
Cellulose Insulation (loose-fill and spray-on)	Post-consumer Paper	75	-
Perlite Composite Board Insulation	Post-consumer Paper	23	-
Plastic Rigid Foam, Polyisocyanurate/ Polyurethane: Rigid Foam Insulation	Recovered Material	-	9
Foam-in-Place Insulation	Recovered Material	-	5
Glass Fiber Reinforced Insulation	Recovered Material	-	6
Phenolic Rigid Foam Insulation	Recovered Material	-	5
Floor Tiles (heavy duty/commercial use)	Rubber	90	-
	Plastic	-	90
Patio Blocks	Rubber or Rubber Blends	90	-
	Plastic or Plastic Blends	-	90
Polyester Carpet Fiber Face	Polyethylene terephthalate (PET) resin	25	-
Latex Paint: --Consolidated ¹ --Reprocessed ² ----White, Off-White, Pastel Colors ----Grey, Brown, Earthtones, and Other Dark Colors	Recovered Material	100	-
	Recovered Material	20	-
	Recovered Material	50	-
Shower and Restroom Dividers/Partitions:	Plastic	20	-
	Steel ⁴	16	9
		67	33
Carpet Cushion: --Bonded Polyurethane --Jute --Synthetic Fibers --Rubber	Old Carpet Cushion	15	-
	Burlap	40	-
	Carpet Fabrication Scrap	-	100
	Tire Rubber	60	-
Railroad Grade Crossing Surfaces --Concrete --Rubber ³ --Steel ⁴	Coal Fly Ash	-	15
	Tire Rubber	-	85
	Steel	16	9
		67	33

"Post-consumer" material is "material or finished product that has served its intended use and has been diverted or recovered from waste destined for disposal, having completed its life as a consumer item. Post-consumer material is part of the broader category of recovered material."

"Recovered Materials" refers to waste materials and by-products which have been recovered or diverted from solid waste, but does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process

¹ Consolidated latex paint used for covering graffiti, where color and consistency of performance are not primary concerns.

² Reprocessed latex paint used for interior and exterior architectural applications such as wallboard, ceiling, and trim; gutterboards; and concrete, stucco, masonry, wood, and metal surfaces.

³The recommended recovered materials content for rubber railroad grade crossing surfaces are based on the weight of the raw materials, exclusive of any additives such as binders or additives

⁴ The recommended recovered materials content levels for steel in this table reflect the fact that the designated items can be made from steel manufactured from either a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF). Steel from the BOF process contains 25-30% total recovered materials, of which 16% is post-consumer steel. Steel from the EAF process contains a total of 100% recovered steel, of which 67% is post-consumer.

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the construction product(s) which the bidder is offering contains the required minimum percentage of post-consumer and recovered material content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a manufacturer certification must be completed and signed by the manufacturer before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE DELIVERED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the construction product(s), to provide the Commonwealth with documentary evidence that the construction product(s) were in fact produced with the required minimum percentage of post-consumer and recovered material content.

**EXHIBIT A-2
VEHICULAR PRODUCTS
RECYCLED CONTENT**

(A) **REQUIREMENT**

All vehicular products offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer and recovered material content as shown below for the applicable products:

Vehicular Product	Requirements
Re-Refined Oil	25% re-refined oil base stock for engine lubricating oils, hydraulic fluids, and gear oils.

"Post-consumer" material is "material or finished product that has served its intended use and has been diverted or recovered from waste destined for disposal, having completed its life as a consumer item. Post-consumer material is part of the broader category of recovered material."

"Recovered Materials" refers to waste materials and by-products which have been recovered or diverted from solid waste, but does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

"Re-refined oil" is oil that is manufactured with a minimum of twenty-five percent basestock made from used oil that has been recovered and processed to make it reusable as oil. Once the oil has been refined, no difference can be detected between re-refined and virgin oil.

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the vehicular product(s) which the bidder is offering contains the required minimum percentage of post-consumer and recovered material content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a manufacturer certification must be completed and signed by the manufacturer before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE REFERENCED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the vehicular product(s), to provide the Commonwealth with documentary evidence that the vehicular product(s) were in fact produced with the required minimum percentage of post-consumer and recovered material content.

**EXHIBIT A-3
PAPER PRODUCTS
RECYCLED CONTENT**

(A) **REQUIREMENT**

All paper offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer content as shown below for the applicable products:

Item	Notes	Post-Consumer Content (%)
Printing and Writing Papers		
Reprographic	Business papers such as bond, electrostatic, copy, mimeo, duplicator and reproduction	30
Offset	Used for book publishing, commercial printing, direct mail, technical documents, and manuals	30
Tablet	Office paper such as note pads and notebooks	30
Forms bond	Bond type papers used for business forms such as continuous, cash register, sales book, unit sets, and computer printout, excluding carbonless	30
Envelope	Wove Kraft, white and colored (including manila) Kraft, unbleached Excludes custom envelopes	30 10 10
Cotton fiber	High-quality papers used for stationery, invitations, currency, ledgers, maps, and other specialty items	30
Text and cover	Premium papers used for cover stock, books, and stationery and matching envelopes	30
Supercalendered	Groundwood paper used for advertising and mail order inserts, catalogs, and some magazines	10
Machine finished groundwood	Groundwood paper used in magazines and catalogs	10
Papeteries	Used for invitations and greeting cards	30
Check safety	Used in the manufacture of commercial and government checks	10
Coated	Used for annual reports, posters, brochures, and magazines. Have gloss, dull, or matte finishes	10
Carbonless	Used for multiple-impact copy forms	30
File folders	Manila or colored	30
Dyed filing products	Used for multicolored hanging folders and wallet files	20
Index and card stock	Used for index cards and postcards	20
Pressboard	High-strength paperboard used in binders and report covers	20
Tags and tickets	Used for toll and lottery tickets, licenses, and	20

	identification and tabulating cards	
Newsprint		
Newsprint	Groundwood paper used in newspapers	20
Commercial Sanitary Tissue Products		
Bathroom tissue	Used in rolls or sheets	20
Paper towels	Used in rolls or sheets	40
Paper napkins	Used in food service applications	30
Facial tissue	Used for personal care	10
General-purpose industrial wipers	Used in cleaning and wiping applications	40
Paperboard and Packaging Products		
Corrugated containers (<300 psi) (300 psi)	Used for packaging and shipping a variety of goods	25 25 40
Solid fiber boxes	Used for specialized packaging needs such as dynamite packaging and army ration boxes	40
Folding cartons	Used to package a wide variety of foods, household products, cosmetics, pharmaceuticals, detergent, and hardware	40
Industrial paperboard	Used to create tubes, cores, cans and drums	45
Miscellaneous	Includes "chipboard" pad backings, book covers, covered binders, mailing tubes, game boards, and puzzles	75
Padded mailers	Made from kraft paper that is usually brown but can be bleached white	5
Carrierboard	A type of folding carton designed for multipack beverage cartons	10
Brown papers	Used for bags and wrapping paper	5
Miscellaneous Paper Products		
Tray liners	Used to line food service trays. Often contain printed information.	50

"Post-consumer" content is "material or finished product that has served its intended use and has been diverted or recovered from waste destined for disposal, having completed its life as a consumer item. Post-consumer content is part of the broader category of recovered material."

The Commonwealth of Pennsylvania recognizes that paper products are universally made with scrap material recovered from the manufacturing process; use of such materials is a standard practice, both efficient and economical for the paper maker; therefore, bidders of paper products need not certify that their products are made with "pre-consumer," "recovered," or "secondary" paper fiber.

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the paper product(s) which the bidder is offering contains the required minimum percentage of post-consumer content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a mill certification must be completed and signed by the mill before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE DELIVERED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the paper product(s), to provide the Commonwealth with documentary evidence that the paper product(s) were in fact produced with the required minimum percentage of post-consumer content.

**EXHIBIT A-4
LANDSCAPING PRODUCTS
RECYCLED CONTENT**

(A) **REQUIREMENT**

All landscaping products offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer and recovered material content as shown below for the applicable products:

Landscaping Products	Recovered Material Content
Hydraulic Mulch: -----Paper -----Wood/Paper	100% (post-consumer) 100% (total)
Compost Made From Yard Trimmings and/or Food Waste	Purchase or use compost made from yard trimmings, leaves, grass clippings and/or food wastes for applications such as landscaping, seeding of grass or other plants, as nutritious mulch under trees and shrubs, and in erosion control and soil reclamation. DGS further recommends implementing a composting system for these materials when agencies have an adequate volume and sufficient space.
Garden Hose: -----Rubber and/or Plastic Soaker Hose: -----Rubber and/or Plastic	60% (post-consumer) 60% (post-consumer)
Lawn and Garden Edging: -----Rubber and/or Plastic	30% (post-consumer)/30-100% (total)
Landscaping Timber and Posts: -----HDPE -----Mixed Plastics/Sawdust -----HDPE/Fiberglass -----Other mixed Resins	25% (post-consumer) + 50% (recovered) 50% (post-consumer) + 50% (recovered) 75% (post-consumer) + 20% (recovered) 50% (post-consumer) + 45% (recovered)

"Post-consumer" material is "material or finished product that has served its intended use and has been diverted or recovered from waste destined for disposal, having completed its life as a consumer item. Post-consumer material is part of the broader category of recovered material."

"Recovered Materials" refers to waste materials and by-products which have been recovered or diverted from solid waste, but does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the landscaping product(s) which the bidder is offering contains the required minimum percentage of post-consumer and recovered material content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a manufacturer certification must be completed and signed by the manufacturer before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE DELIVERED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the landscaping product(s), to provide the Commonwealth with documentary evidence that the landscaping product(s) were in fact produced with the required minimum percentage of post-consumer and recovered material content.

**EXHIBIT A-5
MISCELLANEOUS PRODUCTS
RECYCLED CONTENT**

(A) REQUIREMENT

All miscellaneous products offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer and recovered material content as shown below for the applicable products:

Miscellaneous Products	Recovered Material Content
Awards and Plaques -----Glass -----Wood -----Paper -----Plastic and Plastic/Wood Composites	75% (post-consumer) + 25% (recovered) 100% (total) 40% (post-consumer) 50% (post-consumer) + 45% (recovered)
Industrial Drums -----Steel ¹ -----Plastic (HDPE) -----Fiber (paper)	16% (post-consumer) + 9% (recovered) 30% (post-consumer) 100% (post-consumer)
Mats -----Rubber -----Plastic -----Rubber/Plastic Composite	75% (post-consumer) + 10% (recovered) 10% (post-consumer) + 90% (recovered) 100% (post-consumer)
Pallets -----Wood -----Plastic -----Thermoformed -----Paperboard	95% (post-consumer) 100% (post-consumer) 25% (post-consumer) 50% (post-consumer)
Signage -----Plastic -----Aluminum -----Plastic Sign Posts/Supports -----Steel Sign Posts/Supports ²	80% (post-consumer) 25% (post-consumer) 80% (post-consumer) 16% (post-consumer) + 9% (recovered) 67% (post-consumer) + 33% (recovered)
Sorbents -----Paper -----Textiles -----Plastics -----Wood ³ -----Other Organics/Multimaterials ⁴	90% (post-consumer) + 10% (recovered) 95% (post-consumer) 25% (total) 100% (total) 100% (total)
Manual-Grade Strapping -----Polyester -----Polypropylene -----Steel ²	50% (post-consumer) 10% (total) 16% (post-consumer) + 9% (recovered) 67% (post-consumer) + 33% (recovered)

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"Recovered Materials" refers to waste materials and by-products which have been recovered or diverted from solid waste, but does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process

¹Steel used in steel drums is manufactured using the Basic Oxygen Furnace (BOF) process, which contains 25-30% total recovered material, of which 16% is post-consumer steel. Steel used in manual-grade strapping is manufactured using either the BOF process or the Electric Arc Furnace (EAF) process, which contains 100% total recovered materials, of which 67% is post-consumer steel.

²The recommended recovered materials content levels for steel in this table reflect the fact that the designated items can be made from steel manufactured in either a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF). Steel from the BOF process contains 25-30% total recovered materials, of which 16% is post-consumer steel. Steel from the EAF process contains a total of 100% recovered steel, of which 67% is post-consumer.

³"Wood" includes materials such as sawdust and lumber mill trimmings.

⁴Examples of other organics include, but are not limited to, peanut hulls and corn stover. An example of multimaterial sorbents would include, but not be limited to, a polymer and cellulose fiber combination.

²The recommended recovered materials content levels for steel in this table reflect the fact that the designated items can be made from steel manufactured in either a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF). Steel from the BOF process contains 25-30% total recovered materials, of which 16% is post-consumer steel. Steel from the EAF process contains a total of 100% recovered steel, of which 67% is post-consumer.

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the miscellaneous product(s) which the bidder is offering contains the required minimum percentage of post-consumer and recovered material content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a manufacturer certification must be completed and signed by the manufacturer before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE DELIVERED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the miscellaneous product(s), to provide the Commonwealth with documentary evidence that the miscellaneous product(s) were in fact produced with the required minimum percentage of post-consumer and recovered material content.

**EXHIBIT A-6
NONPAPER OFFICE PRODUCTS
RECYCLED CONTENT**

(A) **REQUIREMENT**

All nonpaper office products offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer and recovered material content as shown below for the applicable products:

Nonpaper Office Product	Recovered Material Content
Recycling Containers and Waste Receptacles: -----Plastic -----Steel ¹ -----Paper -----Corrugated -----Solid Fiber Boxes -----Industrial Paperboard	20% (post-consumer) 16% (post-consumer) + 9% (recovered) 25% (post-consumer) 40% (post-consumer) 40% (post-consumer) + 60% (recovered)
Plastic Desktop Accessories (polystyrene) including desk organizers, sorters, and trays, and memo, note, and pencil holders.	25% (post-consumer)
Binders: -----Plastic-Covered -----Paper-Covered -----Pressboard -----Solid Plastic -----HDPE -----PE -----PET -----Misc. Plastics	25% 75% (post-consumer) + 15% (recovered) 20% (post-consumer) + 30% (recovered) 90% (post-consumer) 30% (post-consumer) 100% (post-consumer) 80% (post-consumer)
Trash Bags (plastic)	10% (post-consumer)
Toner Cartridges	Return used toner cartridges for remanufacturing and reuse or purchase a remanufactured or recycled-content replacement cartridge.
Printer Ribbons	Procure printer ribbon reinking or reloading services or procure reinked or reloaded printer ribbons.
Plastic Envelopes	25% (post-consumer)
Plastic Clipboards: -----HDPE -----PS -----Misc. Plastics	90% (post-consumer) 50% (post-consumer) 15% (post-consumer)
Plastic File Folders -----HDPE	90% (post-consumer)
Plastic Clip Portfolios -----HDPE	90% (post-consumer)
Plastic Presentation Folders -----HDPE	90% (post-consumer)

"Post-consumer" material is "material or finished product that has served its intended use and has been diverted or recovered from waste destined for disposal, having completed its life as a consumer item. Post-consumer material is part of the broader category of recovered material."

¹ The recommended recovered materials content levels for steel in this table reflect the fact that the designated item is made from steel manufactured from in a Basic Oxygen Furnace (BOF). Steel from the BOF process contains 25-30% total recovered materials, of which 16% is post-consumer steel.

"Recovered Materials" refers to waste materials and by-products which have been recovered or diverted from solid waste, but does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the nonpaper office products which the bidder is offering contains the required minimum percentage of post-consumer and recovered material content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a manufacturer certification must be completed and signed by the manufacturer before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE DELIVERED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the paper, to provide the Commonwealth with documentary evidence that the nonpaper office product(s) were in fact produced with the required minimum percentage of post-consumer and recovered material content.

**EXHIBIT A-7
PARK & RECREATION PRODUCTS
RECYCLED CONTENT**

(A) **REQUIREMENT**

All park and recreation products offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer and recovered material content as shown below for the applicable products:

Park & Recreation Product	Recovered Material Content¹
Park Benches & Picnic Tables: ----Plastic ² ----Plastic Composites ----Aluminum ----Concrete ----Steel ³	90% (post-consumer) + 10% (recovered) 50% (post-consumer) + 50% (recovered) 25% (post-consumer) 15% (total) 16% (post-consumer) + 9% (recovered) 67% (post-consumer) + 33% (recovered)
Plastic Fencing for Specified Uses ⁴	60% (post-consumer) + 30% (recovered)
Playground Equipment ----Plastic ³ ----Plastic Composites ----Steel ⁴ ----Aluminum	90% (post-consumer) + 10% (recovered) 50% (post-consumer) + 45% (recovered) 16% (post-consumer) + 9% (recovered) 67% (post-consumer) + 33% (recovered) 25% (post-consumer)
Playground Surfaces: ----Plastic or Rubber	90% (post-consumer)
Running Tracks: ----Plastic or Rubber	90% (post-consumer)

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"Recovered Materials" refers to waste materials and by-products which have been recovered or diverted from solid waste, but does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the park and recreational product(s) which the bidder is offering contains the required minimum percentage of post-consumer and recovered material content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a manufacturer certification must be completed and signed by the manufacturer before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE DELIVERED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the park and recreational product(s), to provide the Commonwealth with documentary evidence that the park and recreational product(s) were in fact produced with the required minimum percentage of post-consumer and recovered material content.

¹ The recommended recovered materials content levels are based on the dry weight of the raw materials, exclusive of any additives such as adhesives, binders, or coloring agents.

² "Plastic" includes both single and mixed plastic resins. Park benches and picnic tables made with recovered plastic may also contain other recovered materials such as sawdust, wood, or fiberglass. The percentage of these materials contained in the product would also count toward the recovered materials content level of the item.

³ The recommended recovered materials content levels for steel in this table reflect the fact that the designated items can be made from steel manufactured from either a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (AF). Steel from the BOF process contains 25-30% total recovered materials, of which 16% is post-consumer steel. Steel from the EAF process contains a total of 100% recovered steel, of which 67% is post-consumer.

⁴ Designation includes fencing containing recovered plastic for use in controlling snow or sand drifting and as a warning/safety barrier in construction or other applications.

**EXHIBIT A-8
TRANSPORTATION PRODUCTS
RECYCLED CONTENT**

(A) **REQUIREMENT**

All transportation products offered by the bidder, or included in the final product offered by the bidder, and sold to the Commonwealth **must** contain the minimum percentage of post-consumer and recovered material content as shown below for the applicable products:

Transportation Products	Recovered Material Content¹
Traffic Cones: ----Plastic (PVC and LDPE) ----Crumb Rubber	50% (recovered) 50% (recovered)
Traffic Barricades (type I and II only): ----Plastic (HDPE, LDPE, PET) ----Steel ² ----Fiberglass	80% (post-consumer) + 20% (recovered) 16% (post-consumer) + 9% (recovered) 67% (post-consumer) + 33% (recovered) 100% (recovered)
Parking Stops: ----Plastic and/or Rubber ----Concrete Containing Coal Fly Ash ----Concrete Containing Ground Granulated Blast Furnace Slag	100% (recovered) 20% (recovered) 15% when used as a partial cement replacement as an admixture in concrete. 25% (recovered)
Traffic Control Devices: ----Channelizers: -----Plastic -----Rubber (base only) ----Delineators: -----Plastic -----Rubber (base only) -----Steel (base only) ² ----Flexible Delineators	25% (post-consumer) 100% (post-consumer) 25% (post-consumer) 100% (post-consumer) 16% (post-consumer) + 9% (recovered) 67% (post-consumer) + 33% (recovered) 25% (post-consumer)

"Post-consumer" material is "material or finished product that has served its intended use and has been diverted or recovered from waste destined for disposal, having completed its life as a consumer item. Post-consumer material is part of the broader category of recovered material."

"Recovered Materials" refers to waste materials and by-products which have been recovered or diverted from solid waste, but does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process

(B) **BIDDER'S CERTIFICATION**

Bidder certifies that the transportation product(s) which the bidder is offering contains the required minimum percentage of post-consumer and recovered material content as shown above for the product.

(C) **MANUFACTURER/MILL CERTIFICATION**

In addition to the Bidders Certification in Subsection (B), a manufacturer certification must be completed and signed by the manufacturer before payment will be made to the successful bidder for the delivered items. The enclosed Manufacturer/Mill Certification form must be used. Bidders are not required to submit the completed and signed Manufacturer/Mill Certification form with their bids. **THE COMMONWEALTH SHALL HAVE NO OBLIGATION TO PAY FOR THE ITEM(S) UNTIL A PROPERLY COMPLETED AND SIGNED MANUFACTURER/MILL CERTIFICATION IS SUBMITTED FOR THE DELIVERED ITEM.**

(D) **ENFORCEMENT**

Awarded bidders may be required, after delivery of the transportation product(s), to provide the Commonwealth with documentary evidence that the transportation product(s) were in fact produced with the required minimum percentage of post-consumer and recovered material content.

¹ Content levels are based on the dry weight of the raw materials, exclusive of any additives such as adhesives, binders, or coloring agents.

² The recommended recovered materials content levels for steel in this table reflect the fact that the designated items can be made from steel manufactured from either a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF). Steel from the BOF process contains 25-30% total recovered materials, of which 16% is post-consumer steel. Steel from the EAF process contains a total of 100% recovered steel, of which 67% is post-consumer.

MANUFACTURER/MILL CERTIFICATION

(To be submitted with invoice for each order)

TO BE COMPLETED BY MANUFACTURER/MILL:

NAME OF MANUFACTURER/MILL: _____

ADDRESS OF MANUFACTURER/MILL: _____

FEDERAL EMPLOYER I.D. NO.: _____

CONTRACT OR REQUISITION NO. _____

NAME OF CONTRACTOR: _____

ADDRESS OF CONTRACTOR: _____

Type of product(s) which the manufacturer/mill furnished to the contractor: _____

CERTIFICATION: I, the undersigned officer of the above-named manufacturer/mill, do hereby certify that I am authorized to provide this certification on behalf of the above-named manufacturer/mill and that the type of product(s) listed above which my company furnished to the contractor named above for the referenced contract or purchase requisition, contained not less than _____% post-consumer materials and _____% recovered materials as those terms are defined in the invitation for bids. I understand that this document is subject to the provisions of the Unsworn Falsification of Authorities Act (18 P.S. Section 4904).

Signature

Name of Signatory

_____ Title Date