Washington State Direct Processor Performance Standards Audit Report

August 2017

Prepared for:



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Prepared by:





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EXECUTIVE SUMMARY

Under contract with Simon Metals, LLC (SM), Sustainable Solutions Consulting (SSC) performed an audit on August 11, 2017 at the SM facility in Tacoma, WA and August 16, 2017 at the Vancouver, Washington facility. The purpose of the audits were to assess the facilities conformance with Washington State Direct Performance Standards in accordance with WAC 173-900-650. The conclusion of the auditor is that both the Tacoma and Vancouver facility currently meet all minimum and preferred standards of the Washington State e-Waste Recycling Program. The Tacoma facility is currently certified to the R2:2013, ISO 14001:2015 and OHSAS 18001:2007 standards. The Vancouver facility is using the same management system documentation with minor changes for the differences in the operations and it is anticipated that the facility will be certified to the same standards within the next 6 months. The attached report presents the results and findings from the audits of both facilities.

Facility Information

Simon Metals Tacoma (SMT)

The SMT facility is a 13 acre facility that has been utilized as a scrap metal yard since 1965. The facility was deemed a superfund site in the late 1990's which included the adjacent businesses as well. The site and surrounding sites were remediated by excavating six feet of soil and placing it in berms around the sites. The berms were covered with clean fill and then paved to create an impermeable surface.

The remediation also included a drainage system covering the entire site that consists of detention ponds, catch basins and storm drain piping. Simon Metals, LLC has received a "No Further Action Needed" determination from the Department of Ecology for the superfund cleanup. The storm drain is monitored by an outside service and there have been no exceedances of permit requirements since the inception of operations.

Simon Metals Vancouver (SMV)

The SMV facility is a 55,000 sq. ft. building with all processing conducted indoors. The facility was purchased by Simon Metals in December of 2016, from IMS after their decision to leave the State of Washington. 10 key employees including the compliance manager were retained and continue to work for Simon Metals.

Simon Metals, LLC. (Vancouver) services the electronic scrap recycling needs nationwide. The reuse, recovery and disposal hierarchy for electronics is adopted for the onsite processing at our locations. All residuals are properly classified, labeled, and treated. Downstream audits are conducted of all downstream vendors, and materials of concern are tracked to their final disposition.

The SMV facility has a no exposure stormwater permit from the State of Washington and I did not observe any materials of concern stored outdoors during the audit.

Methodology

The auditor inspected the site's facilities, interviewed SM personnel, and reviewed facility records. After a brief opening meeting and review of records, the auditor went on a site tour of the facility to get an overview of the operation and observe the processes being performed. The auditor reviewed the facility's compliance with environmental performance standards for direct processors of electronic waste in Washington State.

Attendees at the opening briefing included:

- ➤ Kris Dewitt, Director of Compliance and General Manager Simon Metals, Vancouver and Corporate EHSMS Representative
- ➤ Paula Paul, Trader/Safety Director/Ecology Administrator

Table 1 presents a summary of all Washington State direct processor performance standards (minimum and preferred) and indicates whether or not the Simon Metal facilities and operations conform to each standard.

Table 1: Conformance of Tacoma and Vancouver facilities of Simon Metals. with Washington State Direct Processor Performance Standards (Minimum and Preferred).

Performance Standard	Minimum Standard	Preferred Standard
1. Responsible Management Priorities	Full	N/A
2. Legal Requirements	Full	N/A
3. Environmental, Health, and Safety Management Systems	Full	Full
4. Recordkeeping	Full	Full
5. On-site Requirements	All sections Full except (b)(iii) Partial	Full
6. Materials of Concern	Full	N/A
7. Recycling	Full	Full
8. Reuse	NA	NA
9. Disposal of Residuals	Full	Full
10. Refurbishment	N/A	NA

11. Transport	Full	Full
12. Prison Labor	Full	N/A
13. Facility Access	Full	N/A
14. Notification of Penalties and Violations	Full	N/A
15. Due Diligence Downstream	N/A	Full
16. Exporting	N/A	Full
17. Insurance	N/A	Full
18. Closure Plan and Financial Responsibility	N/A	Full
19. Facility Security	N/A	Full

Simon Metals, LLC. MOC Chart- 2017

Materials of Concern	Recycling Process	Fate of Materials Recycled	Downstream Recycler(s)
Leaded CRT Glass	Manual disassembly	Used as raw material for new CRTs (glass to glass recycling	USA-Mexico- India
Circuit Boards	Manual disassembly	Precious metal refining (e.g. Gold, platinum)	Japan
Batteries	Manual disassembly	Metal recovery (e.g. lithium, nickel).	USA-Mexico
Mercury Devices	Manual disassembly	Retort (e.g. elemental mercury recovery)	USA
PCBs	No PCBs are intentionally handled on site	Not applicable	Not applicable

STANDARD LANGUAGE	CONFORM	COMMENTS	FUTURE ACTIONS/NON-
	(Yes/No/		CONFORMITIES/
	Partial)		OPPORTUNITIES FOR
			IMPROVEMENT

1. Responsible Management Priorities

Minimum Performance Standards from WAC 173-900-650

A direct processor must periodically evaluate its management strategies to assure it takes advantage of new more effective technologies and is otherwise continuously improving its practices and processes.	Yes	Simon Metals Tacoma (SMT) has been implementing their EHSMS throughout the year. They are currently certified to R2, ISO 14001:2015 and OHSAS 18001:2007. As part of their certification, they are required to perform annual internal audits and management reviews.	Reviewed management review meeting minutes dated 6-30-17 attached. Environmental Policy also requires continuous improvement.
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Preferred Performance Standards

No additional performance standards.

2. Legal Requirements

(a) A direct processor must comply with all federal, state, and local requirements and, if it exports, those of all transit and recipient countries that are applicable to the operations and transactions in which it engages related to the processing of CEPs, components, parts, and materials and disposal of residuals. These include but are not limited to applicable legal requirements relating to:	Yes	SMT has the individual requirements for health and safety, dangerous waste, air and water pollution, stormwater pollution prevention, General industrial permit.	Attached Legal and Other Matrix is complete along with due dates on the compliance calendar. (6.1.3-F Compliance Obligations Summary List)
(i) Waste and recyclables processing, storage, handling, and shipping; and	Yes	Dangerous, Hazardous Waste Handling Program and Electronic Waste Safety Program. The safety program covers: Chemical hazards found in e-waste, environmental concern, dust, cuts and lacerations, noise, Required PPE, storage, ergonomics, Recordkeeping, transportation, residuals.	
(ii) Air emissions and waste water discharge, including storm water discharges; and	Yes	SMT is covered under the State of Washington stormwater general industrial permit . Permit Number WAR000018. Letter from DOE dated December 3, 2014 reissuing coverage under the Industrial Stormwater General Permit. SIC Code 5093.	
(iii) Worker health and safety; and	Yes	SMT has an accident prevention plan which covers all of the OSHA and WISHA requirements for training.	Audit Package attached contains Table of Contents for the SM OHS program

(iv) Transboundary movement of electronic equipment, components, materials, waste, or scrap for reuse, recycling, or disposal.	Yes	SMT ships circuit boards directly to smelter. These materials are under the green list provisions of the OECD and do not require permits or advance notice.	Downstream revue indicates that materials considered hazardous under the Basel Convention are only being sent to OECD countries with the proper permissions
(b) Upon request by a covered entity, a direct processor must make available information to that covered entity about any financial penalties, regulatory orders, or violations the direct processor received in the previous three years. If the direct processor receives subsequent penalties or regulatory orders, the direct processor must make that information available within sixty days after any subsequent penalties or regulatory orders are issued.	Yes	SMT does not have any regulatory issues, violations or financial penalties to report and is willing to comply with requirement.	SMT is willing to abide by this provision

Preferred Performance Standards

No additional performance standards

3. EHSMS

(a) A direct processor must develop, document, fully implement, and update at least annually a written EHSMS that includes all of the following:			
(i) Written goals and procedures that require the direct processor to systematically manage its environmental, health, and safety matters.	Yes	SMT has written goals and procedures that cover the environmental health and safety matters.	Goals and Objectives are attached (6.2-F Objective And Targets overview)

(ii) Utilization of a "plan, do, check, act" model that identifies environmental aspects, implements operational controls, and provides corrective action procedures. Elements of this model must include:	Yes	SMT is certified to R2, ISO 14001 and OHSAS 18001. All of these standards require conformance to a plan-do-check-act cycle.	Attached permit files contain Orion Registrar certificates.
(A) Plan(I) Identification of environmental impacts, and legal and regulatory requirements;	Yes	SMT has identified their significant OHS and environmental impacts and their legal and other regulatory requirements.	See attached 6.1.2-F for Tacoma analysis
(II) Establishment of environmental goals, objectives and targets;	Yes	Goals and Objectives were set in 2016 and tracked throughout the year. Goals were discussed at Management Review meeting.	
(III) Plan actions that work toward achieving identified goals;	Yes	Action plans have been developed for achieving goals and objectives.	
(IV) Plan for emergency preparedness and response; and	Yes	Simon has an emergency action plan	Emergency Preparedness and Response Procedure section 8.2
(V) Commitment of management support.	Yes	SM has developed an environmental and OHS plan and policy that are signed by the President.	Other indications of management commitment and support are: Daily meetings with staff, President is attending e-waste conferences, Simon purchased the IMS Vancouver facility and subsequently hired Kris Dewitt, an experienced EHSMS representative as the corporate EHS representative and General Manager of Vancouver.

(B) Do			
(I) Establish roles and responsibilities for the EHSMS and provide adequate resources;	Yes	Job Descriptions for all office employees.	5.3-F Responsibility Matrix shows who is lead and secondary roles for the management system
$\left(III\right)$ Establish a process for communicating about the EHSMS within the business.	Yes	Daily morning meetings are held with management and leads from each work area.	Training calendar for Tacoma shows employees and when training occurred. 7.2-F Training Needs Matrix
(C) Check			
(I) Monitor key activities and track performance;	Yes	SM tracks production and safety performance	Goals and Objectives were set in 2016 and tracked throughout the year. Goals were discussed at Management Review meeting. Production daily tracks inputs, outputs and amount of material processed per day.
(II) Identify and correct problems and prevent recurrence; and	Yes	Accident investigation form contains future prevention actions which are discussed at safety committee meetings. Non-conformance system is well used. All CAPA's are tracked and closed out in a timely manner.	10.2-F Capa Report and Log 2017
(III) I) Provide a measurement system that quantifies the application of the model.	Yes	Accidents and production figures are tracked on a regular basis. SMT uses a DART rate for tracking accidents and production is tracked daily through the "Production Daily" form.	Goals and Objectives track DART rate
(D) Act			

(I) Conduct annual progress reviews;	Yes	Management Review meeting was held on 6/30/17	
(II) Act to make necessary changes to the EHSMS; and	Yes	New Objectives and Targets were established and additional staffing was assigned to the Compliance Department	Objectives and Targets Overview
(III) Create and implement an action plan for continual improvement.	Yes	See Notes Above	
(iv) A plan for responding to and reporting exceptional releases that could pose a risk to worker safety, public health, or the environment. Such releases include emergencies such as accidents, spills, fires, and explosions. The direct processor must submit this plan to all appropriate emergency responders, e.g., police, fire department, hospitals.	Yes	SM has an Emergency Management Plan that covers earthquakes, fire, volcanic eruption. The Stormwater Pollution Prevention Plan has the Spill Prevention and Emergency Response Plan that contains the plant contacts, emergency response contacts. The plan covers mercury spills, spill prevention, Spill kit location and contents. Spill log is being kept and has eight entries for 2017.	
(v) A plan is conformable with ISO 14001, Institute of Scrap Recycling Industries' Recycling Industry Operating Standards ("RIOS"), the International Association of Electronic Recyclers' ("IAERs'") standard, or other standards designed at a level appropriate for processing at the facility.	Yes	SM has a fully implemented and audited ISO 14001 management system	Orion Registrar Ceritificates- Second half permits and licenses TAC

(b) A direct processor must ensure all employees understand and follow the portions of the EHSMS relevant to the activities they perform.	Yes	SMT has a training matrix that assures all employees receive proper training for their tasks related to the EHSMS requirements	7.2-F Training Needs Matrix
Preferred Performance Standards			
(c) The EHSMS must also include a procedure for:			
(i) Identifying and evaluating the environmental, health, and safety impacts of downstream vendors, and	Yes	SMT has downstream vendor procedure (8.1.3 Focus Material and Management of Downstream)	SMT utilizes several downstream vendors for focus materials. Reviewed downstream vendor materials for each vendor.
$\begin{tabular}{ll} (ii) & \begin{tabular}{ll} Utilizing the information in (a) in the selection of downstream vendors. \end{tabular}$	Yes	SMT utilizes a downstream vetting procedure that is filled out by downstream vendors. The procedure is in place	Tabletop audits are done annually for each focus material vendor. SMT has a separate folder for each downstream vendor containing permits and licenses

4. Recordkeeping

(a) A direct processor must maintain documentation such as commercial contracts, bills of lading, or other commercially accepted documentation for all transfers of CEPs, components, parts, materials, and residual into and out of its facilities.	Yes	SMT has the documentation of all shipments of e-waste coming in and out of the facility.	SMT has records of all transactions since they were first approved in 2016. Reviewed records control procedure 7.4-P which requires they maintain all transaction records for three years.
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(b) A direct processor must retain documents required for at least three years.	Yes	SMT has records going back over 3 years	Sampled shipments of circuit boards, CRT tubes, hard drives and plastic. CRT shipments are
			occuring on a regular basis. Viewed shipment summary for 2017 to verify ongoing and regular outgoing shipments of materials.
Preferred Performance Standards	l		1
(c) The direct processor must also maintain records for any brokering transactions for at least three years.	NA	SMT does not do any brokering transactions	

5. On-site Requirements

			1
(a) General			
(i) Direct processors must take all practicable steps to maximize recycling.	Yes	SMT recycles 100% of the material that arrives at their facility. They also have a zero landfill policy as part of their Environmental Policy.	Tacoma facility recycles e-waste, wood pallets, aluminum cans and zero landfill for e-waste. Shrink Wrap is used to line gaylords for CRT's.
(ii) A direct processor must have the expertise and technical capability to process each type of CEP and component it accepts in a manner protective of worker safety, public health, and the environment.	Yes	SMT has been in business since 1935 as a scrap metal business and they have been handling ewaste since 2013. They are operating on a former superfund site and are in full compliance with their water quality permits. No air permits are required for e-waste operation.	

(iii) A direct processor must use materials handling, storage and management practices, that assure that all work and storage areas are kept clean and orderly. (iv) Speculative accumulation:	Yes	SMT has been in full compliance with their stormwater general industrial permit limits and has installed two onsite detention ponds that are monitored and maintained. The contractor has a mobile facility and 24 hour access to the facility in the event of an emergency. During my site visits, I observed employees sweeping and cleaning up the areas after a shredding session. The entire site is situated on impervious surfaces with all stormwater running off to the detention ponds at the front of the property. Paul Stash is the DOE employee familiar with the site. There are also numerous covered storage areas on the site which are used to store higher value materials.	
(A) "Speculative accumulation" means holding, storing or accumulating CEPs, components, parts, materials, or residual derived therefrom for more than one hundred eighty days.	Yes	SM does not hold shredded circuit board material more than 180 days. The typical onsite time is around 30 days.	Reviewed shipping records to smelter and from Vancouver facility to Tacoma facility

(B) Generators and facilities holding, storing, or accumulating CEPs, components, parts, materials, or residual derived therefrom for more than one hundred eighty days will be considered holding, storing, accumulating solid or hazardous waste and subject to applicable treatment, storage or disposal regulations or equivalent.	Yes	NA	
(v) A direct processor must use a certified scale to weigh CEPs and components counted towards a plan's equivalent share.	Yes	SM has two scales in use which are both certified. The large truck scale at the entrance to the facility was last certified 6/22/16 by Washington State Dept. of Agriculture under license number 25419. The smaller scale in the yard was also certified on the same date under the same license number.	Reviewed scale calibration certificates
(b) Storage			
A direct processor must store materials of concern removed from CEPs, components, parts, materials, or residuals in accordance with WAC 173-900-650(11) in a manner that:	Yes	SMT is in compliance with this area for the materials they are removing.	SM Tacoma is not removing Materials of Concern from the e- waste received. It is re-packed and sent whole to the Vancouver facility with the exception of circuit boards. Circuit boards are processed in Tacoma and stored in supersacks indoors.
(i) Protects them from adverse atmospheric conditions and floods and, as warranted, includes a catchment system;	Yes	Final shredded materials are stored in super sacks inside a building.	•

(ii) Is secure from unauthorized entrance; and	Yes	SMT yard is secured and under 24 hour surveillance. Onsite there is a CCTV system with 18 cameras	
(iii) Is in clearly labeled containers and/or storage areas.(c) Exceptional releases posing risks	Partial	SMT is utilizing Universal Waste labels and materials in transit labels for equipment.	OFI- SMT should consider utilizing a recycling inventory management system that prints out labels that can be affixed to containers for easier reading of contents, dates and weights.
A direct processor must be prepared to immediately implement the practices set forth in its EHSMS for responding to and reporting exceptional releases that could pose a risk to worker safety, public health, or the environment, including emergencies such as accidents, spills, fires, and explosions.	Yes	SMT has a Stormwater Pollution Prevention Plan (SWPPP) that covers the responses to spills and other exceptional releases. They also have an accident prevention program which covers fire and explosions	Reviewed spill log for 2017 and found 8 incidents none of which affected the e-scrap operations.
Preferred Performance Standards			
(d) Workforce and Environmental Protection (i) Hazards identification and assessment: A direct processor must conduct on an ongoing basis (as new types of CEPs, components, parts and materials are processed or new processes are utilized) a hazards identification and assessment of occupational and environmental risks that exist or could reasonably be expected to develop at the facility.	Yes	SMT has developed job hazard analyses for all of their job categories. These jobs include: Maintenance, Warehouse, Laborer, Chopper. The OHS Risk Assessment table analyzes the inherent risks in the operation. 4.3.1 is hazard identification and risk. 8.1-P is the Change Management Procedure.	TAC4.3.1-F OHS Risk Assessment Act
Such risks could result from any sources, including but not limited to:			

	Emissions of and/or exposure to substances *	Yes	Covered by training program	Topic of Health and Safety Manual
•	Noise	Yes	Covered by training program	Topic of Health and Safety Manual
•	Ergonomic factors	Yes	Covered by training program	Topic of Health and Safety Manual
•	Thermal stress	Yes	Covered by training program	Topic of Health and Safety Manual
•	Substandard machine guarding	Yes	Covered by training program	Topic of Health and Safety Manual
•	Cuts and abrasions	Yes	Covered by training program	Topic of Health and Safety Manual
berylliui retardan	safety or the environment. Such substances may include mercury, lead, im, cadmium, PCBs, some phosphor compounds, certain brominated flame ants (i.e., polybrominated biphenyls, pentabrominated diphenyl ether, and printed diphenyl other), cilies dut, ablesiated or brominated diphenyl diphenyl others.			
berylliui retardan octabror	m, cadmium, PCBs, some phosphor compounds, certain brominated flame			
berylliui retardan octabror and dibe	m, cadmium, PCBs, some phosphor compounds, certain brominated flame ats (i.e., polybrominated biphenyls, pentabrominated diphenyl ether, and minated diphenyl ether), silica dust, chlorinated or brominated dibenzodioxins			
berylliur retardan octabror and dibe	Im, cadmium, PCBs, some phosphor compounds, certain brominated flame ats (i.e., polybrominated biphenyls, pentabrominated diphenyl ether, and minated diphenyl ether), silica dust, chlorinated or brominated dibenzodioxins enzofurans, and hexavalent chromium.	Yes	JHA's are in writing and part of the EHSMS	TAC4.3.1-F OHS Risk AssessmenTAC

• Engineering controls	Yes	SMT has adopted numerous engineering controls including the use of chopper for material processing and forklifts for
Administrative and work practice controls	Yes	material handling. SMT has light duty work, if needed. Mats are utilized for employees who sort materials at the conveyor. Training program and procedures/work instructions are the primary
 Personal protection equipment (A) Engineering controls: (I) A direct processor must use at least one of the following: 	Yes	administrative tools PPE Is utilized for hearing protection, falling objects (hard hats) and visibility (safety vests). Gloves are also utilized to handle materials to avoid cuts and abrasions from sharp objects. The PPE is covered in the Health and Safety manual.
Substitution (e.g., replacing a toxic solvent with one less toxic),	Yes	SMT does not utilize toxic materials in their e-waste
 Isolation (e.g., automating a process to avoid employee exposure), 	Yes	processes. SMT uses chopping line, forklifts and balers as automated processes for handling materials
 Ventilation and, if appropriate, capture (e.g., fume hood), AND 	Yes	Chop Line has a cyclone dust collecton system
(II) All of the following:		

Dust control, capture, and clean up, and	Yes	Dust collection in use at the chopper	
• Emergency shut-off systems, and	Yes	Chopper has an emergency shut off	
• Fire suppression systems.	Yes	SMT has 77 fire extinguishers located throughout the facility. They are checked monthly by Advanced Safety and Fire Services.	
(B) Administrative and work practice controls:			
A direct processor must use administrative and work practice controls including appropriate combinations of:			
(I) Regular, documented health and safety training that covers information from the hazards assessment, safe materials handling, spill prevention, engineering controls, equipment safety, and use and care of personal protection equipment; with training for new hires and refresher courses for all employees that is understandable to them given language and level-of-education considerations,	Yes	SMT does annual training on accident prevention program, hazardous communications, dangerous waste, emergency management, Lock Out Tag Out, Heat and Cold Stress and use of PPE. New hires receive training within the first 90 days and training calendar is utilized for annual required trainings.	7.2-F Training Needs Matrix 2017
(II) Job rotation, as feasible, given workforce size,	Yes	SMT has identified the key employees who are able to handle the e-scrap. These workers move to manual dismantling, office, and forklift. SMT has also trained an alternate employee in the e-scrap operations for coverage during vacations and illnesses.	

(III) Safe work practices,	Yes	Covered in Accident Prevention Program Training. Covers PPE, Ergonomics, Hazard Communications	See Table of Contents in First Half TAC
(IV) Medical monitoring,	Yes	SMT has a program that covers hearing, respirator fit tests, blood testing for lead and air quality testing for chopper. Reviewed latest Exposure Assessment report. The total metals exposure at the chopper station showed the PEL's were exceeded for a TWA 8 hour period for lead, inorganic fumes, dust and cobalt. SM implemented daily dust collection system, workers wear hairnets, respirator filters were upgraded, showers and clean coveralls are provided daily and required. Hearing tests were performed on 7/28/17. Preliminarily one employee had an STS that may have been caused by excessive ear wax. The final report is still in process.	
(V) Safety meetings.	Yes	Safety meetings are held once a month. Reviewed monthly minutes from July 2017. Old business items had action items taken the prior month noted in red and new business section has issues. Forklift drivers are	Employees were aware of safety and forklift drivers were wearing seatbelts during warehouse visit.

		required to wear seatbelts at all times message is repeated every month.	
(C) Personal protective equipment, including respirators, protective eyewear, cut- resistant gloves, etc. as appropriate for the risks involved in the tasks being performed.	Yes	SMT has documented the required PPE for each job at the facility. Full face respirators are required now when cleaning Cyclone dust collection system on the chopper.	Observed employees wearing PPE during site visits
(iv) A direct processor must use and document monitoring and sampling protocols according to state and federal standards and provide assurances that the practices it employs are effective and continuously managing the risks it has identified.	Yes	SMT does hearing tests once a year, air testing twice per year and blood testing once a year for chopper employees.	Reviewed most recent blood testing results. Both employees had lead levels well below the PEL of WAC 296-62-0751. Hearing test results were not finalized at the time of the audit but the testing had been performed.
This includes complying with all applicable Federal or State (Occupational Safety and Health Administration) OSHA standards and sampling and/or monitoring protocols.			performed.
(v) A direct processor must treat anyone performing activities in its facilities, using the standard of care established in this section. Direct processors are not required to provide medical monitoring for short-term, temporary and volunteer workers.	Yes	SMT does not utilize part-time, short-term, temporary or volunteer workers at their facility.	

(vi) A direct processor must designate a qualified employee or	Yes	Paula Paul is the designated	
consultant to coordinate its efforts to promote worker health and		worker health and safety	
safety. This individual is identified to all employees and two-way		contact at SMT. All employees	
communication is encouraged between employees and this		are aware of this.	
individual regarding potential hazards and how best to address			
them.			

6. Materials of Concern

Materials of concern must be handled according to the standards in this section. "Materials of concern" are any of the following:			
(a) Any devices, including fluorescent tubes, containing mercury or PCBs;	Yes	SMT does not accept loose fluorescent or PCBs. If they are received they are quarantined and the customer is requested to pick them up. SMT receives LCDs, Laptops, and monitors, the mecury bulbs are removed and shipped downstream to an approved processor	
(b) Batteries;	Yes	SMT is separating laptop, cell phone and alkaline batteries from equipment and is separating button batteries from circuit boards prior to shredding	

(c) CRTs and leaded glass; and	Yes	SMT is shipping CRT's to a licensed and permitted facility. Sampled shipping documents and certificates of recycling to verify.	
(d) Whole circuit boards.	Yes	These are shredded and segregated at SMT before going to smelter and can also be segregated and shredded in Vancouver. All circuit boards are shipped out of Tacoma.	

Preferred Performance Standards

No additional performance standards.

7. Recycling

(a) Recycling		
(i) A direct processor must remove from CEPs and components destined for recycling any parts that contain materials of concern that would pose a risk to worker safety, public health, or the environment during subsequent processing.	Yes	SMT removes batteries from cell phones, laptop computers and remote controls and removes button batteries from motherboards prior to shredding. Most of the dismantling occurs in the Vancouver facility.

(ii) A direct processor must remove any parts that contain materials of concern prior to mechanical or thermal processing and handle them in a manner consistent with the regulatory requirements that apply to the items, or any substances contained therein. Circuit boards and materials derived therefrom will be allowed to be shredded prior to separating.	Yes	Materials of Concern are removed by hand at the Vancouver facility including circuit boards.	
Preferred Performance Standards			
(b) Recycling: (i) A direct processor must dismantle, separate, and/or mechanically process, as appropriate, CEPs, components, and parts from which materials are to be recovered for recycling into separate "material streams" to generate value, recover materials and minimize waste, and to enable safe management through to final disposition.	Yes	SMT uses mechanical processes to process CEP's, components and parts that are handled onsite. Most equipment is sent to the Vancouver site for dismantling and separation into separate components.	

8. Reuse

(i) "Reuse" means any operation by which an electronic product or component of a covered electronic product changes ownership and is used, as is, for the same purpose for which it was originally purchased. (ii)	NA	SMT does not reuse any CEP or component of a CEP. All material is shredded on site or sent whole to downstream processor. One exception is laptop computers which are broken in two pieces, the keyboard and the screen. The keyboard is shredded on site and the screen is sent to Farwest for recycling.
For a CEP, component or part to be put to reuse it must be fully functioning.	NA	
(iii) CEPs, components and parts gleaned for reuse shall not be included in the weight totals submitted to a plan for compensation.	NA	
Preferred Performance Standards	<u> </u>	
(b) Reuse:		
(i) Before shipping CEPs, components, or parts for reuse, the direct processor must:	NA	
(A) Test and ensure that the CEPs, components, and parts are functioning properly for the same purpose for which they were originally purchased.	NA	
(B) Accurately label, package, and ship the CEPs, components, and parts in a manner that will minimize damage during transport.	NA	
(ii) A direct processor must verify a legitimate end-use market for the intended purpose of any CEPs, components or parts shipped for reuse.	NA	

9. Disposal of Residue

Minimum Performance Standards from WAC 173-900-650

(a) Disposal of residuals

(i) "Residuals" are leftover materials from processing CEPs, components, parts and materials. Residuals are materials that cannot be used for their original function or cannot be recycled and are sent by a processor to a disposal facility.	Yes	SMT has a no landfill policy for materials of concern which is stated in their environmental policy. All residuals are recycled.
(ii) Residuals must be properly designated and managed under applicable solid waste and hazardous waste laws at the location where disposal occurs.	Yes	Residuals from the shredding process are either sent to a smelter in Japan (shredded circuit board materials), to an R2 certified facility (output from magnets in shredder line), and aluminum goes offshore for final recycling.
(iii) A direct processor must not send residuals containing materials of concern to incinerators or solid waste landfills if doing so will pose a higher risk to worker safety, public health, or the environment than alternative management strategies.	Yes	SMT does not send any residuals of materials of concern to incinerators or solid waste landfills
(iv) Residuals from processing of materials of concern must not be mixed with other residuals for the purpose of disposal.	Yes	SMT has a no landfill policy.
(b) Residuals must be disposed of in a regulated solid waste disposal facility. Residuals containing materials of concern must be disposed in a regulated hazardous waste disposal facility.	NA	SMT does not landfill any covered electronic products or their residuals

10. Refurbishment

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards from WAC 173-900-650.

Preferred Performance Standards

 (a) Refurbishment: (i) A direct processor must adhere to all the performance standards in this document for all on-site activities relating to CEPs, components, and parts destined for refurbishment. 	NA	
(A) A direct processor must conform to all performance standards in this document for its onsite and downstream vendors' refurbishment operations, and when shipping CEPs, components, or parts to downstream vendors for refurbishment.	NA	
(ii) CEPs, components and parts gleaned for refurbishment shall not be included in the weight totals submitted to a plan for compensation.	NA	
(iii) A direct processor must verify a legitimate end-use market for the intended purpose of any CEPs, components or parts shipped for refurbishment.	NA	

11. Transport

(a) A direct processor must ensure that all CEPs, CEP components and materials to be transported are packaged in compliance with all applicable transport laws and rules.	Yes	SMT receives e-scrap packaged loosely in gaylords or metal cages with plastic liner.	
Preferred Performance Standards			
(b) A direct processor must ensure all CEPs, components, parts, materials, and residuals to be transported are packaged appropriately in light of the risk they could pose during transportation to public health or the environment and the level of care warranted by their intended use.	Yes	Material that comes to SMT through the WMMFA program is destined for recycling. All material shipped is packaged to prevent release. Material that arrives is shrinked wrapped on pallets or in closed gaylords.	
(c) A direct processor must obtain written documentation or a third-party certification indicating that their transporters have all the necessary regulatory authorizations and no significant violations of relevant legal requirements during the past three years.	Yes	SMT utilizes their own fleet of trucks and drivers who have been trained and licensed. Reviewed US DOT Safer Database which showed that Simon Metals has a satisfactory safety rating.	SMT utilizes Knight Transportation for the glass shipments to TDA/TDM. Viewed Knight Transporter Checklist and Safer Report.

12. Prison Labor

Minimum Performance Standards from WAC 173-900-		
650		
Direct processors may not use federal or state prison labor for processing.	Yes	SMT does not utilize state or federal prison labor.

No additional performance standards.

13. Facility Access

Minimum Performance Standards from WAC 173-900-650

(a) Direct processors must allow access to the facility and the documentation required in this section for the purposes of assessing compliance with the requirements in this chapter and for sampling to:	Yes	SMT is willing to allow access to the facility and to the documentation of their management system and supporting documents
(i) Ecology and ecology's designee(s);	Yes	See comment above
(ii) Third-party observers for the purposes of sampling;	Yes	See comment above
(iii) For processors used by the standard plan	Yes	See comment above
(A)The authority;	Yes	See comment above
(B) The authority's designee(s);	Yes	See comment above
(iv) For processors used by an independent plan:	Yes	See comment above
(A) That plan's authorized party;(B) The authorized party's designee(s) for that plan.	Yes Yes	See comment above See comment above

Preferred Performance Standards

No additional performance standards.

14. Facility Access

Each direct processor must notify ecology within thirty days if the direct processor receives any penalties, violations or regulatory orders related to processing activities.	Yes	SMT is willing to notify DOE if they receive any penalties, violations or regulatory orders related to processing activities. This is a requirement of the
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	WMMFA contract which SM has already signed.

Preferred Performance Standards

No additional performance standards.

15. Due Diligence Downstream

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

(a) For materials of concern and residuals containing materials of concern a direct processor must only use downstream vendors who conform with all of the performance standards in this document.	Yes	SMT has downstream vetting materials for all focus material downstreams. Downstream that handles batteries is an R2 certified company as is SMT. The smelter is the final disposition point for circuit	
(i) A direct processor must review its downstream vendors' conformity to these standards at least every two years and more frequently as changes in circumstances warrant. The direct processor must provide the verification and documentation to Ecology upon request.	Yes	boards. SMT audits downstream vendors annually. Sampled audits, certificates and business licenses for all focus material downstream vendors.	

(ii) A direct processor must document the chain of custody of all materials of concern and their residuals through final disposition.	Yes	SMT has a downstream vendor map showing the chain of custody for all materials of concern.	8.1.3-F Approved Downstream Vendors WMMFA	
(iii) A direct processor does not need to conduct the due diligence for downstream vendors certified to the performance standards in this document by an accredited body.	NA	SMT is not utilizing any other Washington State processors for materials of concern.		

16. Exporting

Minimum Performance Standards from WAC 173-900-

No minimum performance standards in WAC 173-900-650.

(a) A direct processor that exports materials of concern must ensure that each transit and recipient country legally accepts such imports. For each country that is not a member of the Organization for Economic Co-operation and Development (OECD), this entails either:	Yes	SMT exports shredded commingled materials and CRT tubes to OECD countries. Other Materials of Concern, are sent to domestic recyclers.	SMT is in compliance with the OECD regulations and the Basel Convention for shipments of focus materials downstream.
(i) Requesting and receiving documentation, prior to shipping, from the Competent Authority of each such transit and/or import country, that clearly verifies in English that the country legally accepts such imports, or	Yes	See Notes above	See Notes above

(ii) Requesting and receiving, prior to shipping, confirmation—	Yes	See Notes Above	See Notes Above	
that the country(ies) legally accepts such imports—from the				
United States Environmental Protection Agency, which in turn				
will communicate with the other country's Competent Authority				
to get a determination.				

17. Insurance

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

(a) A direct processor possesses adequate Comprehensive or	Yes	Reviewed Acord Certificate of
Commercial General Liability Insurance including coverage for:		Liability Insurance dated 5/5/17
		with an expiration of 5/5/18.
		Insurance coverage for
		Automobile Liability for \$1M
		and Excess Liability per
		occurrence of \$9M. In addition
		it covers WA Stop Gap Employer
		Liability coverage of \$1M. The
		policy also covers the
		Vancouver site.
(i) Bodily injury,	Yes	\$1 M commercial general
		liability, \$1M personal and
		injury, \$10,000 medical
		expenses (any one person)
(ii) Property damage,	Yes	\$300,000 Damage to rented
		premises

(iii) Pollutant releases,	Yes	\$2M pollution liability expires
		5/5/18

18. Closure Plan and Financial Responsibility

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

Preferred Performance Standards

A direct processor must develop and keep current a closure plan	Yes	SMT has developed a site
and a sufficient financial instrument that assures proper closure		closure plan describing the
of the facility and assures against abandonment of any CEPs,		items needed to be taken care
components, parts, materials or residuals.		of in the event of a closure. SMT
		is in the process of revising their
		finanical instrument that
		complies with the new
		interpretation of the R2
		standard which requires that all
		inventory of e-scrap is given
		zero value.

19. Facility Security

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

A direct processor must have a functioning security program that	Yes	SMT has a secured facility with
controls access to all or parts of the processing facility in a		complete perimeter fencing and
manner and to a degree appropriate given the type of CEPs,		24 hour surveillance. There are
components, parts, materials, and residuals handled and the		18 CCTV cameras connected to
needs of the customers served and may include such items such		a recording system. SM also
as indoor and outdoor lighting, secured facilities, and perimeter		has a caged area within the
fencing.		main building to house high
		value equipment and
		equipment containing data.
		Viewed cameras in the control
		center.

	CONFORM	COMMENTS	Notes
STANDARD	(Yes/No/		
	Partial)		

1. Responsible Management Priorities

Minimum Performance Standards from WAC 173-900-650

A direct processor must periodically evaluate its management	Yes	Simon Metals Vancouver	Manual-Simon Metals LLC-
strategies to assure it takes advantage of new more effective		(SMV) utilizes a written	Rev. C
technologies and is otherwise continuously improving its		Environmental, Health and	
practices and processes.		Safety Management System	
		(EHSMS). They utilize the	
		standard plan-do-check-act	
		cycle to evaluate their	
		business and the	
		environmental policy	
		requires continuous	
		improvement.	

Preferred Performance Standards

No additional performance standards.

2. Legal Requirements

(a) A direct processor must comply with all federal, state, and local requirements and, if it exports, those of all transit and recipient countries that are applicable to the operations and transactions in which it engages related to the processing of CEPs, components, parts, and materials and disposal of residuals. These include but are not limited to applicable legal requirements relating to:	Yes	SMV has the Legal and Other Requirements documented in the folder and performs and evaluation of compliance to the regulations annually.	6.1.3-F Compliance Obligations Summary List
(i) Waste and recyclables processing, storage, handling, and shipping; and	Yes	Dangerous, Hazardous Waste Handling Program and Electronic Waste Safety Program. The safety program covers: Chemical hazards found in e-waste, environmental concern, dust, cuts and lacerations, noise, Required PPE, storage, ergonomics, Recordkeeping, transportation, residuals.	6.1.3-F Compliance Obligations Summary List
(ii) Air emissions and waste water discharge, including storm water discharges; and	Yes	Vancouver-Conditional non- exposure for stormwater. No air emissions.	VAN-NPDES Prmit conditional no Exposure Exemption certificate exp 12-31-2019
(iii) Worker health and safety; and	Yes	SMV has an accident prevention plan which covers all of the OSHA and WISHA requirements for training.	SMV utilizes the same accident prevention and emergency response plan as SMT.

(iv) Transboundary movement of electronic equipment, components, materials, waste, or scrap for reuse, recycling, or disposal.	Yes	SMV is shipping glass directly to TDA which then transfers the material to Mexico and India under Compentent Authority approval	See Competent Authority approval letter for import to Mexico and India
(b) Upon request by a covered entity, a direct processor must make available information to that covered entity about any financial penalties, regulatory orders, or violations the direct processor received in the previous three years. If the direct processor receives subsequent penalties or regulatory orders, the direct processor must make that information available within sixty days after any subsequent penalties or regulatory orders are issued.	Yes	SMV does not have any regulatory issues, violations or financial penalties to report and is willing to comply with requirement.	SMV is willing to abide by this provision

Preferred Performance Standards

No additional performance standards

3. EHSMS

(a) A direct processor must develop, document, fully implement, and update at least annually a written EHSMS that includes all of the following:			
(i) Written goals and procedures that require the direct processor to systematically manage its environmental, health, and safety matters.	Yes	SMV has written goals and objectives that are the same at both the Tacoma and Vancouver facilities. The goals and objectives are	Goals and Objectives are attached (6.2-F Objective And Targets overview)

		documented in the attached files	
(ii) Utilization of a "plan, do, check, act" model that identifies environmental aspects, implements operational controls, and provides corrective action procedures. Elements of this model must include:	Yes	SMV has identified their environmental aspects, developed operational controls and a nonconformance procedure	Reviewed internal audit and management review for SMV
(A) Plan			
(I) Identification of environmental impacts, and legal and regulatory requirements;	Yes	SMV has identified their significant OHS and environmental impacts and their legal and other regulatory requirements.	6.1.2-F Environmental and Data Security Aspect Analysis -Vancouver
(II) Establishment of environmental goals, objectives and targets;	Yes	Goals and Objectives were set in 2016 and tracked throughout the year. Goals were discussed at Management Review meeting.	
(III) Plan actions that work toward achieving identified goals;	Yes	Action plans have been developed for achieving goals and objectives.	
(IV) Plan for emergency preparedness and response; and	Yes	Emergency Preparedness and Response Procedure section 8.2	

(V) Commitment of management support.	Yes	Signed Environmental Policy. Daily meetings, attending e-waste conferences, hiring Kris Dewitt, buying Vancouver facility from IMS when they were closing and leaving the State.	
(B) Do			
(I) Establish roles and responsibilities for the EHSMS and provide adequate resources;	Yes	5.3-F Responsibility Matrix shows who is lead and secondary roles for the management system	
(III) Establish a process for communicating about the EHSMS within the business.	Yes	Training Matrix for SMV shows that the management system is being communicated.	7.2-F Vancouver Training Matrix
(C) Check			
(I) Monitor key activities and track performance;	Yes	Goals and Objectives were set in 2016 and tracked throughout the year. Goals were discussed at Management Review meeting. Production daily tracks inputs, outputs and amount of material processed per day.	SMV also tracks daily production levels. 9.3-F Management Review Meeting Minutes-06-30-17
(II) Identify and correct problems and prevent recurrence; and	Yes	Accident investigation form contains future prevention actions which are discussed at safety committee meetings.	Non-conformance system is well used. All CAPA's are tracked and closed out in a timely manner. 10.2-F CAPA Report & Log 2017

(III) I) Provide a measurement system that quantifies the application of the model.	Yes	Accidents and production figures are tracked on a regular basis.	SMV uses a DART rate for tracking accidents and production is tracked daily through the "Production Daily" form.
(D) Act			
(I) Conduct annual progress reviews;	Yes	Management Review meeting was held on 6/30/17	9.3-F Management Review Meeting Minutes-06-30-17
(II) Act to make necessary changes to the EHSMS; and	Yes	New Objectives and Targets were established and additional staffing was assigned to the Compliance Department	Goals and Objectives are attached (6.2-F Objective And Targets overview)
(III) Create and implement an action plan for continual improvement.	Yes	See Notes above	
(iv) A plan for responding to and reporting exceptional releases that could pose a risk to worker safety, public health, or the environment. Such releases include emergencies such as accidents, spills, fires, and explosions. The direct processor must submit this plan to all appropriate emergency responders, e.g., police, fire department, hospitals.	Yes	SMV has an Emergency Management Plan that covers earthquakes, fire, volcanic eruption.	Emergency Preparedness plan and Stormwater Pollution Prevention plan. VAN has had no spills in 2017. Record of emergency drill was performed 7/28-7/31 for Earthquake. Individual employees were asked what to do in the event of an earthquake and their responses were recorded. Most knew to get under a desk or stand in doorway.

(v) A plan is conformable with ISO 14001, Institute of Scrap Recycling Industries' Recycling Industry Operating Standards ("RIOS"), the International Association of Electronic Recyclers' ("IAERs") standard, or other standards designed at a level appropriate for processing at the facility.	Yes	SMV has a fully implemented ISO 14001 management system that is based on the Tacoma system with modifications for the Vancouver operation. The system is not R2 certified at this point but SMV plans to have it certified by the end of this year.	
(b) A direct processor must ensure all employees understand and follow the portions of the EHSMS relevant to the activities they perform.	Yes	SMV trains to all of the topics indicated on the training matrix.	7.2-F Vancouver Training Matrix
Preferred Performance Standards			
(c) The EHSMS must also include a procedure for:			
(i) Identifying and evaluating the environmental, health, and safety impacts of downstream vendors, and	Yes	SMV has downstream vendor procedure (8.1.3 Focus Material and Management of Downstream)	SMV utilizes SMT, Farwest and TDA/TDM, WM Lamptracker for focus materials. Reviewed downstream vendor materials for each vendor.
(ii) Utilizing the information in (a) in the selection of downstream vendors.	Yes	SMV utilizes a downstream vetting procedure that is filled out by downstream vendors. The procedure is in place	SMV and SMT share the vetting information as they are utilizing the same downstream vendors for all materials of concern leaving the control of Simon Metals.

4. Recordkeeping

Minimum Performance Standards from WAC 173-900-650

(a) A direct processor must maintain documentation such as commercial contracts, bills of lading, or other commercially accepted documentation for all transfers of CEPs, components, parts, materials, and residual into and out of its facilities.	Yes	SMV has the documentation of all shipments of e-waste coming in and out of the facility.	SMV has records of all transactions since they purchased the facility from IMS in December of 2016.
(b) A direct processor must retain documents required for at least three years.	Yes	SMV has records going back to the beginning of their ownership and operation in December of 2016.	Sampled shipments of circuit boards to Tacoma facility and shipments of CRT tubes to TDA/TDM. Shredded hard drives are sent to FAR West- However none of those hard drives are WMMFA material. TDA/TDM shipments are occuring on a regular basis. Viewed shipment summary for YTD 2017 to verify ongoing and regular outgoing shipments of materials.
Preferred Performance Standards			_
(c) The direct processor must also maintain records for any brokering transactions for at least three years.	NA	SMV does not do any brokering transactions	

5. On-site Requirements

Minimum Performance Standards from WAC 173-900-

650

l (a) General		
(a) delicial		

(i) Direct processors must take all practicable steps to maximize recycling.	Yes	SMV recycles 100% of the material that arrives at their facility. They also have a zero landfill policy as part of their Environmental Policy.	
(ii) A direct processor must have the expertise and technical capability to process each type of CEP and component it accepts in a manner protective of worker safety, public health, and the environment.	Yes	Kris Dewitt has 7 years with multi-location EHSMS systems. SMV is utilizing the old IMS Vancouver facility that was purchased December 1, 2016. 10 of the IMS employees (including Kris) remained with Simon.	
(iii) A direct processor must use materials handling, storage and management practices, that assure that all work and storage areas are kept clean and orderly.	Yes	SMV stores all e-scrap materials either inside a warehouse or under a roofed area. Monthly facility inspections are performed for the e-scrap operation and safety committee meetings are held monthly as well.	
 (iv) Speculative accumulation: (A) "Speculative accumulation" means holding, storing or accumulating CEPs, components, parts, materials, or residual derived therefrom for more than one hundred eighty days. 	Yes	SMV does not hold shredded circuit board material more than 180 days. The typical onsite time is between 30-60 days.	

(B) Generators and facilities holding, storing, or accumulating CEPs, components, parts, materials, or residual derived therefrom for more than one hundred eighty days will be considered holding, storing, accumulating solid or hazardous waste and subject to applicable treatment, storage or disposal regulations or equivalent.	Yes	See Above	
(v) A direct processor must use a certified scale to weigh CEPs and components counted towards a plan's equivalent share.(b) Storage	Yes	SMV is using certified scales that were last certified 12/2/16. Certificates in audit file.	
A direct processor must store materials of concern removed from CEPs, components, parts, materials, or residuals in accordance with WAC 173-900-650(11) in a manner that:	Yes	SMV is in compliance with this area for the materials they are removing.	
(i) Protects them from adverse atmospheric conditions and floods and, as warranted, includes a catchment system;	Yes	SMV stores all e-scrap materials either inside a warehouse or under a roofed area.	
(ii) Is secure from unauthorized entrance; and	Yes	SMV yard is secured and under 24 hour surveillance monitored by the Port of Vancouver. Port security drives the area during the night hours.	
(iii) Is in clearly labeled containers and/or storage areas.	Partial	SMV is utilizing Universal Waste labels and materials in transit labels for equipment. Weights are written on the pallets when	Consider developing an inventory managmeent system with more permanent labeling for containers

		they are weighed during the receiving process	
(c) Exceptional releases posing risks A direct processor must be prepared to immediately implement the practices set forth in its EHSMS for responding to and reporting exceptional releases that could pose a risk to worker safety, public health, or the environment, including emergencies such as accidents, spills, fires, and explosions.	Yes	SMV has an Emergency Action Plan which covers spill response and other potential emergencies	
Preferred Performance Standards	<u> </u>		
(d) Workforce and Environmental Protection (i) Hazards identification and assessment: A direct processor must conduct on an ongoing basis (as new types of CEPs, components, parts and materials are processed or new processes are utilized) a hazards identification and assessment of occupational and environmental risks that exist or could reasonably be expected to develop at the facility. Such risks could result from any sources, including but not	Yes	SMV has developed job hazard analyses for all of their job categories. These jobs include: Maintenance, Warehouse, Laborer, Chopper. The OHS Risk Assessment table analyzes the inherent risks in the operation. 4.3.1 is hazard identification and risk. 8.1-P is the Change Management Procedure.	4.3.1-F VAN Overview OHS
limited to:		!	
 Emissions of and/or exposure to substances * 	Yes	Covered by training program	Topic of Health and Safety Manual

•	Noise	Yes	Covered by training program	Topic of Health and Safety Manual
•	Ergonomic factors	Yes	Covered by training program	Topic of Health and Safety Manual
•	Thermal stress	Yes	Covered by training program	Topic of Health and Safety Manual
•	Substandard machine guarding	Yes	Covered by training program	Topic of Health and Safety Manual
•	Cuts and abrasions	Yes	Covered by training program	Topic of Health and Safety Manual
sometime worker so berylliun retardant octabrom	posed by exposure to substances may arise in a variety of situations — es involving substances that do not under ordinary conditions pose a risk to afety or the environment. Such substances may include mercury, lead, n, cadmium, PCBs, some phosphor compounds, certain brominated flame is (i.e., polybrominated biphenyls, pentabrominated diphenyl ether, and hinated diphenyl ether), silica dust, chlorinated or brominated dibenzodioxins inzofurans, and hexavalent chromium.			
Prefe	rred Performance Standards			
	e hazards identification and assessment is captured in writing orporated as a component of the direct processor's EHSMS.	Yes	The OHS assessment is in writing and is a component of the EHSMS.	4.3.1-F VAN Overview OHS
release	direct processor must manage the hazards and minimize the s it identifies using an appropriate combination of strategies in owing order of priority:			
•	Engineering controls	Yes	SMV has adopted numerous engineering controls including the use of shredder, dust collection system, forklifts.	

Administrative and work practice controls	Yes	Training program and procedures/work instructions are the primary administrative tools.
• Personal protection equipment	Yes	PPE Is utilized for hearing protection, falling objects (hard hats) and visibility (safety vests). Gloves and sleeves are also utilized to handle materials to avoid cuts and abrasions from sharp objects. Steel toed shoes are also required as are safety glasses. The PPE is covered in the Health and
(A) Engineering controls:		Safety manual.
(I) A direct processor must use at least one of the following:		
• Substitution (e.g., replacing a toxic solvent with one less toxic),	Yes	SMV does not utilize toxic materials in their e-waste processes.
• Isolation (e.g., automating a process to avoid employee exposure), or	Yes	SMV uses a shredder, forklifts and balers as automated processes for handling materials
• Ventilation and, if appropriate, capture (e.g., fume hood),	Yes	There is a dust collection system for the shredder.
AND		
(II) All of the following:		
Dust control, capture, and clean up, and	Yes	Dust collection in use at the shredder

• Emergency shut-off systems, and	Yes	Shredder and Baler have emergency shut offs	
• Fire suppression systems.	Yes	SMV has fire extinguishers located throughout the facility and an eyewash station. They are checked monthly by SMV staff.	
(B) Administrative and work practice controls:			
A direct processor must use administrative and work practice controls including appropriate combinations of:			
(I) Regular, documented health and safety training that covers information from the hazards assessment, safe materials handling, spill prevention, engineering controls, equipment safety, and use and care of personal protection equipment; with training for new hires and refresher courses for all employees that is understandable to them given language and level-of-education considerations,	Yes	SMV does annual training on accident prevention program, hazardous communications, dangerous waste, emergency management, Lock Out Tag Out, Heat and Cold Stress and use of PPE.	New hires receive training on the first day of hire and training calendar is utilized for annual required trainings.
(II) Job rotation, as feasible, given workforce size,	Yes	Workers move to manual dismantling of LCD, Large Devices, CRT, Battery Station. NOTE: Study shows that variation in material and use of tools, movement at benches is varies	
(III) Safe work practices,	Yes	throughout the day. No repetitious jobs. Covered in Accident	
		Prevention Program Training. Covers PPE,	

		Ergonomics, Hazard Communications
(IV) Medical monitoring,	Yes	SMV has a program that covers hearing. Hearing test will be performed in December of 2017. Last
		hearing was conducted in 2016 when the facility was owned by IMS. Processes have not changed since the 2016 test so earlier testing is not required. Test results
		indicated that any exposure to the warehouse for more than two hours would require hearing protection. That rule is in place and
(V) Safety meetings.	Yes	being enforced. Safety meetings are held once a month. Reviewed monthly minutes from July 2017. Minutes consisted of a review of the incidents from the prior month and their root causes. New business items were
		discussed and assignments for follow up made.

(C) Personal protective equipment, including respirators, protective eyewear, cut- resistant gloves, etc. as appropriate for the risks involved in the tasks being performed.	Yes	SMV has documented the required PPE for each job at the facility. Observed employees wearing PPE during site visits and I was required to wear safety vest, safety glasses, hard hat and solid toed shoes before entering the warehouse.	
(iv) A direct processor must use and document monitoring and sampling protocols according to state and federal standards and provide assurances that the practices it employs are effective and continuously managing the risks it has identified.	Yes	SMV does hearing tests once a year. See note above for more details	
This includes complying with all applicable Federal or State (Occupational Safety and Health Administration) OSHA standards and sampling and/or monitoring protocols.			
(v) A direct processor must treat anyone performing activities in its facilities, using the standard of care established in this section. Direct processors are not required to provide medical monitoring for short-term, temporary and volunteer workers.	Yes	SMV has one temporary worker at the facility and may employ up to two. Temporary workers are required to have the same training and utilize the same tools and equipment as full-time employees.	

(vi) A direct processor must designate a qualified employee or	Yes	Kris Dewitt is the designated	
consultant to coordinate its efforts to promote worker health and		health and safety person at	
safety. This individual is identified to all employees and two-way		the SMV facility	
communication is encouraged between employees and this			
individual regarding potential hazards and how best to address			
them.			

6. Materials of Concern

Materials of concern must be handled according to the standards in this section. "Materials of concern" are any of the following:			
(a) Any devices, including fluorescent tubes, containing mercury or PCBs;	Yes	SMV does not accept loose fluorescent or PCBs. If they are received they are quarantined and the customer is requested to pick them up. SMT receives LCDs, Laptops, and monitors, the mecury bulbs are removed and shipped downstream to an approved processor	

(b) Batteries;	Yes	SMV is separating laptop and alkaline batteries from equipment. Cell phones have batteries removed prior to acceptance by SMV. The button batteries are taped and sent to approved downstream vendor Farwest Recycling	
(c) CRTs and leaded glass; and	Yes	SMV is shipping CRT's to TDA/TDM . Sampled shipping documents and certificates of recycling to verify.	
(d) Whole circuit boards.	Yes	These are shredded and segregated at SMV before going to Tacoma for further processing. All circuit boards are shipped out of Tacoma.	

Preferred Performance Standards

No additional performance standards.

7. Recycling

(a) Recycling		
(4) 1100/11118		

(ii) A direct processor must remove from CEPs and components destined for recycling any parts that contain materials of concern that would pose a risk to worker safety, public health, or the environment during subsequent processing. (ii) A direct processor must remove any parts that contain materials of concern prior to mechanical or thermal processing and handle them in a manner consistent with the regulatory requirements that apply to the items, or any substances contained therein. Circuit boards and materials derived therefrom will be allowed to be shredded prior to separating.	Yes	SMV is removing batteries from laptop computers and remote controls and removes button batteries from motherboards prior to shredding. CRT's are dismantled into glass and plastic and wire. Glass tubes are sent whole to TDA/TDM. Desktop computers have the circuit boards removed and the remainder is shredded. Laptops have the circuit boards removed, the battery and the screen is broken to remove the mercury if present. The remainder is sent to Tacoma. Flat panels are disassembled, the mercury is removed and the circuit board is removed and the circuit board is removed and the circuit board is run through the shredder. Materials of Concern are removed by hand at the Vancouver facility including circuit boards. See notes above	
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(b) Recycling:			
	Full	SMV uses hand dismantling processes to process CEP's, components and parts as described above. Laptop bodies and screens with mercury removed and circuit boards are sent to Tacoma for final processing and shipment to smelter.	

8. Reuse

Minimum Performance Standards from WAC 173-900-650

(a) Reuse		
(i) "Reuse" means any operation by which an electronic product or component of a covered electronic product changes ownership and is used, as is, for the same purpose for which it was originally purchased.	NA	SMV does not reuse any CEP or component of a CEP from WMMFA material. All WMMFA material is dismantled on site and sent to downstream processors per the attached downstream processor list.
(ii)		
For a CEP, component or part to be put to reuse it must be fully functioning.	NA	
(iii) CEPs, components and parts gleaned for reuse shall not be included in the weight totals submitted to a plan for compensation.	NA	

(b) Reuse:		
(i) Before shipping CEPs, components, or parts for reuse, the direct	NA	
processor must:		

(A) Test and ensure that the CEPs, components, and parts are functioning properly for the same purpose for which they were originally purchased.	NA	
(B) Accurately label, package, and ship the CEPs, components, and parts in a manner that will minimize damage during transport.	NA	
(ii) A direct processor must verify a legitimate end-use market for the intended purpose of any CEPs, components or parts shipped for reuse.	NA	

9. Disposal of Residue

Minimum Performance Standards from WAC 173-900-650

(a) Disposal of residuals

•		
(i) "Residuals" are leftover materials from processing CEPs, components, parts and materials. Residuals are materials that cannot be used for their original function or cannot be recycled and are sent by a processor to a disposal facility.	Yes	SMV has a no landfill policy for materials of concern which is stated in their environmental policy. All residuals are recycled per the downstream vendor chart
(ii) Residuals must be properly designated and managed under applicable solid waste and hazardous waste laws at the location where disposal occurs.	Yes	Residuals from the shredding process at SMV are either sent to a smelter in Japan (shredded circuit board materials), to an R2 certified facility in Oregon (output from magnets in shredder line), and aluminum goes to Japan for final recycling.

(iii) A direct processor must not send residuals containing materials of concern to incinerators or solid waste landfills if doing so will pose a higher risk to worker safety, public health, or the environment than alternative management strategies.	Yes	SMV does not send any residuals containing materials of concern to incinerators or solid waste landfills
(iv) Residuals from processing of materials of concern must not be mixed with other residuals for the purpose of disposal.	Yes	SMV has a no landfill policy.
(b) Residuals must be disposed of in a regulated solid waste disposal facility. Residuals containing materials of concern must be disposed in a regulated hazardous waste disposal facility.	NA	SMV does not landfill any covered electronic products or their residuals. Glass from Projection TV's is currently sent for disposal but SMV is looking at alternative recycling options.

10. Refurbishment

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards from WAC 173-900-650.

(a) Refurbishment:		
(i) A direct processor must adhere to all the performance	NA	
standards in this document for all on-site activities relating to		
CEPs, components, and parts destined for refurbishment.		

(A) A direct processor must conform to all performance standards in this document for its onsite and downstream vendors' refurbishment operations, and when shipping CEPs, components, or parts to downstream vendors for refurbishment.	NA	
(ii) CEPs, components and parts gleaned for refurbishment shall not be included in the weight totals submitted to a plan for compensation.	NA	
(iii) A direct processor must verify a legitimate end-use market for the intended purpose of any CEPs, components or parts shipped for refurbishment.	NA	

11. Transport

(a) A direct processor must ensure that all CEPs, CEP components and materials to be transported are packaged in compliance with all applicable transport laws and rules.	Yes	SMV receives e-scrap packaged loosely in gaylords or metal cages with plastic liner. Outgoing materials are sent in gaylords and are shrink wrapped at the top and stored indoors until loaded on a truck for transport. All shipments of batteries and CRT glass are properly labeled per the WISHA and DOT regulations.	All material shipped is packaged to prevent release. Material that arrives is shrinked wrapped on pallets or in closed gaylords.
Preferred Performance Standards		Wishin and Bot regulations.	

(b) A direct processor must ensure all CEPs, components, parts, materials, and residuals to be transported are packaged appropriately in light of the risk they could pose during transportation to public health or the environment and the level of care warranted by their intended use.	Yes	Material that goes from SMV is destined for recycling so none of the equipment has been packaged for reuse. Materials are appropriately packaged for shipment for recycling. CRT tubes are loaded into gaylords whole so it is possible that they will break during transit but that is their final disposition.	
(c) A direct processor must obtain written documentation or a third-party certification indicating that their transporters have all the necessary regulatory authorizations and no significant violations of relevant legal requirements during the past three years.	Yes	SMV utilizes their own fleet of trucks and drivers who have been trained and licensed. Reviewed US DOT Safer Database which showed that Simon Metals has a satisfactory safety rating. WMMFA materials are transported by companies approved and contracted to WMMFA.	SM utilizes Knight Transportation for the glass shipments to TDA/TDM. Viewed Knight Transporter Checklist and Safer Report.

12. Prison Labor

Minimum Performance Standards from WAC 173-900-		
	Yes	SMV does not utilize state or
Direct processors may not use federal or state prison labor for		federal prison labor for
processing.		processing

No additional performance standards.

13. Facility Access

Minimum Performance Standards from WAC 173-900-650

(a) Direct processors must allow access to the facility and the	Yes	SMV is willing to allow
documentation required in this section for the purposes of assessing		access to the facility and to
compliance with the requirements in this chapter and for sampling to:		the documentation of their
		management system and
		supporting documents
(i) Ecology and ecology's designee(s);	Yes	See comment above
(ii) Third-party observers for the purposes of sampling;	Yes	See comment above
(iii) For processors used by the standard plan	Yes	See comment above
(A)The authority;	Yes	See comment above
(B) The authority's designee(s);	Yes	See comment above
(iv) For processors used by an independent plan:	Yes	See comment above
(A) That plan's authorized party;	Yes	See comment above
(B) The authorized party's designee(s) for that plan.	Yes	See comment above

Preferred Performance Standards

No additional performance standards.

14. Facility Access

Each direct processor must notify ecology within thirty days if	Yes	SMV is willing to notify DOE
the direct processor receives any penalties, violations or		if they receive any penalties,
regulatory orders related to processing activities.		violations or regulatory
		orders related to processing
		activities. This is a
		requirement of the WMMFA
		contract which SMV has
		already signed.

Preferred Performance Standards

No additional performance standards.

15. Due Diligence Downstream

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

(a) For materials of concern and residuals containing materials of concern a direct processor must only use downstream vendors who conform with all of the performance standards in this document.	Yes	SMV has downstream vetting materials for all focus material downstreams. Farwest Recycling that handles batteries is an R2 certified company as is SMT location. The smelter is the final disposition point for circuit boards.
(i) A direct processor must review its downstream vendors' conformity to these standards at least every two years and more frequently as changes in circumstances warrant. The direct processor must provide the verification and documentation to Ecology upon request.	Yes	SMV audits downstream vendors annually. Sampled audits, certificates and business licenses for all focus material downstream vendors.
(ii) A direct processor must document the chain of custody of all materials of concern and their residuals through final disposition.	Yes	SMV has a downstream vendor map showing the chain of custody for all materials of concern.

(iii) A direct processor does not need to conduct the due	NA	SMV is not utilizing any	
diligence for downstream vendors certified to the performance		other Washington State	
standards in this document by an accredited body.		processors. Farwest	
		Recycling in Oregon is R2	
		certified by an accredited	
		body and TDA/TDM process	
		is also R2 certified via Cali	
		Resources. WM	
		Lamptracker is not certified	
		but all of the required	
		vetting materials are in the	
		SMV downstream files	

16. Exporting

Minimum Performance Standards from WAC 173-900-

650

No minimum performance standards in WAC 173-900-650.

(a) A direct processor that exports materials of concern must	Yes	SMV exports shredded	SM is in compliance with
ensure that each transit and recipient country legally accepts such		commingled materials to	the OECD regulations and
imports. For each country that is not a member of the		Tacoma which sends them	the Basel Convention for
Organization for Economic Co-operation and Development		to Japan which is an OECD	shipments of focus
(OECD), this entails either:		country. Other Materials of	materials downstream. No
		Concern, are sent to Farwest	glass shipments were sent
		in Oregon (Batteries) for	to Mexico until the new
		domestic recycling or to	Acknowledgement of
		TDA/TDM (CRT Tubes)in	Consent was received by
		Mexico.	TDM from the Mexican
			Competent Authority.

(i) Requesting and receiving documentation, prior to shipping, from the Competent Authority of each such transit and/or import country, that clearly verifies in English that the country legally accepts such imports, or	Yes	See Notes Above	
(ii) Requesting and receiving, prior to shipping, confirmation—that the country(ies) legally accepts such imports—from the United States Environmental Protection Agency, which in turn will communicate with the other country's Competent Authority to get a determination.	Yes	See Notes Above	

17. Insurance

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

(a) A direct processor possesses adequate Comprehensive or	Yes	Reviewed Acord Certificate
Commercial General Liability Insurance including coverage for:		of Liability Insurance dated
		5/5/17 with an expiration of
		5/5/18. Insurance coverage
		by Continental Western
		Insurance Company. In
		addition to commercial
		general liability, the policy
		covers Automobile Liability
		for \$1M and Excess Liability
		per occurrence of \$9M. In
		addition it covers WA Stop
		Gap Employer Liability

		coverage of \$1M. The policy also covers the Vancouver site.
(i) Bodily injury,	Yes	\$1 M commercial general liability, \$1M personal and injury, \$10,000 medical expenses (any one person)
(ii) Property damage,	Yes	\$300,000 Damage to rented premises
(iii) Pollutant releases,	Yes	\$2M pollution liability Crum and Forster expires 5/5/18

18. Closure Plan and Financial Responsibility

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

A direct processor must develop and keep current a closure plan	Partial	SMV has developed a site	
and a sufficient financial instrument that assures proper closure		closure plan describing in	
of the facility and assures against abandonment of any CEPs,		words the items needed to	
components, parts, materials or residuals.		be taken care of in the event	
		of a closure.	

19. Facility Security

Minimum Performance Standards from WAC 173-900-650

No minimum performance standards in WAC 173-900-650.

A direct processor must have a functioning security program that controls access to all or parts of the processing facility in a manner and to a degree appropriate given the type of CEPs, components, parts, materials, and residuals handled and the needs of the customers served and may include such items such as indoor and outdoor lighting, secured facilities, and perimeter fencing.	Yes	SMV has a secured facility with complete perimeter fencing and 24 hour surveillance through the Port of Vancouver. SMV also has a caged area within the main building to house high value equipment and equipment containing data.
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