



**Saskatoon Health Region
Progress Report on Labour Contravention**

Employer #: 1603
 Reference #: NC-KLO-0038
 Department: St. Mary's Villa, Humboldt, SK

Date of Inspection: December 5, 2011
 Occupational Health Officer: Karen Loyns

Contravention #	OHS Regulation:
1	OH&S Reg 26 Employer has not ensured that any boiler or pressure vessel used at a place of employment that is not required to be inspected or registered pursuant to The Boiler and Pressure Vessel Act is properly constructed and maintained.
Report required by:	Remediation required by: January 16, 2012
Date of this report:	January 16, 2012

<p>The existing Dust Wing mechanical room is in the process of being redeveloped. All the existing equipment (3 boilers and pressure vessel) which were in operation during the time of the carbon monoxide incident of December 26, 2010 have been taken out of service and removed.</p> <p>The scope of work of the re-development project includes the installation of a new hydronic heating system and new domestic hot water heating system. The relocation of vents, air intakes, and ductwork within and around the mechanical room now meet the 2010 National Building Code and CSA health care facility standards. See attached gas permits (Appendix A).</p> <p>A temporary system has been installed into the Dust wing mechanical room to supply the domestic hot water and heating boilers. (see attached preventive maintenance check sheet from the manufacturer)(Appendix B). The maintenance logs for the temporary equipment are attached to the boilers and are also in the maintenance and contractor shop. Also attached are the troubleshooting sheets that include a 24/7 contact number for the contractor for SMV staff to use if a problem occurs. See attached troubleshooting document (Appendix C).</p> <p>For all of the new equipment, each maintenance staff member will have factory training provided by the manufacturer; this training will be documented and filed on site (Appendix D).</p>	<p>Status of Contravention:</p> <p><input type="checkbox"/> Not started</p> <p><input checked="" type="checkbox"/> In Progress</p> <p><input type="checkbox"/> Complete</p>
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A preventative maintenance schedule will be in place for the new boiler upon substantial completion April 30, 2012. Included in the tendering process was the requirement to train current staff. A plan will be developed to provide ongoing training as staff turnover occurs.

Inspections

A contractor was hired to do an inspection of all rural sites with boilers in the fall of 2011. For ongoing rural maintenance, a proposal previously put forward is being re-evaluated and reconsidered for next fiscal year. A decision will be made for the next budget year commencing April 1, 2012.

Preventative Maintenance

Equipment related to the operation of the facility (plant equipment), sterile processing, and food production/warewashing will be appropriately catalogued with related preventive maintenance procedures in a single, centrally managed database. Clinical equipment is currently being managed within a separate database and process.

Timelines for completion:

Saskatoon City Hospital – December 31, 2011 (complete)

Royal University Hospital – April 30, 2012

St. Paul’s Hospital – June 30, 2012

All other SHR owned/operated facilities

- HVAC completed by September 30, 2012
- Remainder to be completed by December 31, 2012

<input checked="" type="checkbox"/> Regional extension requested to	December 31, 2012
<input checked="" type="checkbox"/> Report prepared by: Al Krieger, Manager, Infrastructure Renewals (FES) Todd Crutchlow, Mechanical Engineer (FES) Lyle Sawicki, Rural Maintenance Manager Sherry Gursky, Manager (SMV) Curtis Doepker, Maintenance Supervisor (SMV) Lori Frank, Director, Risk Management	
Date: January 16, 2012	
<input checked="" type="checkbox"/> Reviewed by: Lori Hinz	
Date: January 16, 2012	
Title: Director, Rural Health Operations	

Approved by OHC: Lauri Breker

Signature:

Date: January 16, 2012

Copies to:

- Occupational Health Committee Post information for workers Occupational Health Officer

Mail to : 122 3rd Ave N
Saskatoon
S7K 2H6
Work: 933-7147
Toll free: 1-800-667-5023

Response from Ministry of Labour Relations and Workplace safety:

- File Closed
 Additional follow-up required to address the following concerns:

Report required by:	Remediation required by:

Appendix A – Permits



Innovation
1655.pdf (829 KB)



Aerco 1657.pdf
(987 KB)



Aerco 1656.pdf
(984 KB)



Aerco 1658.pdf
(982 KB)



Amtrol 231195.pdf
(763 KB)



Amtrol 221794.pdf
(763 KB)



Amtrol 23103.pdf
(750 KB)



Gas Permits.pdf
(667 KB)



Innovation
1654.pdf (828 KB)

Appendix B – Manufacturer’s Check Lists



SMV_Talyor
oup_benchmark TS.



SMV_Benchmark_P
M.doc (56 KB)



SMV_Camus
naFlame_PM.doc (6.

Appendix C – Troubleshooting Documents



SMV_Talyor
oup_camus TS.doc



SMV_Talyor
oup_benchmark TS.

Appendix D – Factory Training Documentation



scan0012.pdf



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Employer #: 1603
 Reference #: NC-KLO-0038
 Department: St. Mary's Villa, Dust Mechanical Room

Date of Inspection: December 5, 2011
 Occupational Health Officer: Karen Loyns

Contravention #	OHS Regulation:
2	OH&S Reg 66(1)(b)(4)(a) & 67(3)(4) Ventilation – mechanical, cleaning and maintaining ventilation systems.
Report required by:	Remediation required by: January 16, 2012
Date of this report:	January 16, 2012

<p>The existing Dust Wing mechanical room is in the process of being redeveloped. All the existing equipment (ventilation – mechanical) which was in operation during the time of the carbon monoxide incident of December 26, 2010 has been taken out of service and removed.</p> <p>A temporary system has been installed into the Dust wing mechanical room to supply the domestic hot water and heat to the Dust and St. Joe's wing boilers. The temporary system has a power vented exhaust (back draft is not possible). Combustion air is drawn from the outside directly to the units.</p> <p>The redevelopment of the dust wing mechanical room was designed to meet all current 2010 building codes. The new mechanical equipment will meet CAN/CSA-Z317.2-10, Special Requirements for Heating, Ventilation, and Air Conditioning (HVAC) Systems in Health Care Facilities standard: section 6.5.6.2 Outdoor air intakes shall comply with Table 3 and be located at least 7.5 m from (a) outlets exhausting air that could be re-circulated in an occupied space; (b) plumbing vents; (c) natural gas or propane combustion equipment exhausts.</p> <p>The new make up air unit will be installed in the sprinkler room, moving it out of the source of combustion. The sprinkler room is located adjacent to the boiler room but is separated by a fire wall. Completion of the installation of this equipment will be by April 30, 2012.</p> <p>The new boilers for both the domestic hot water and the heating system are a direct supplied system. The direct supplied system means each boiler has a direct access to outside air as their source of combustion air</p>	<p>Status of Contravention:</p> <p><input type="checkbox"/> Not started</p> <p><input type="checkbox"/> In Progress</p> <p><input checked="" type="checkbox"/> Complete</p>
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supply. Each boiler has its own air supply. The new boilers for both the domestic hot water and the heating system area are direct power vented systems (dedicated electric powered fan used to push combustion air through the boilers and out the boiler exhaust vent).

Once the new equipment is operational, each maintenance staff member will be trained by the manufacturer which will be documented and filed at the site. Please see attached sample preventative maintenance check list (**Appendix A**). A plan will be developed to provide ongoing training as staff turnover occurs.

An orientation checklist for the maintenance staff has been developed and will be used with all new hires (see attached) (**Appendix B**).

Extension requested to

Report prepared by:
Al Krieger, Manager, Infrastructure Renewals (FES)
Todd Crutchlow, Mechanical Engineer (FES)
Lyle Sawicki, Rural Maintenance Manager
Sherry Gursky, Manager (SMV)
Curtis Doepker, Maintenance Supervisor (SMV)
Lori Frank, Director, Risk Management

Date: January 16, 2012

Reviewed by: Lori Hinz

Date: January 16, 2012

Title: Director, Rural Health Operations

Approved by OHC: Lauri Breker

Signature:

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Appendix A – Sample Preventative Maintenance Checklist



Dust Wing
Mechanical Room Air

Appendix B – Orientation Checklist for Maintenance Staff



General Orientation
- New Temp...



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Date of Inspection: December 5, 2011
 Occupational Health Officer: Karen Loyns

Contravention #	OHS Regulation:
6	OH&S Act 3 General Duties - employers
Report required by:	Remediation required by: immediately
Date of this report:	January 16, 2012

<p>In order to ensure all workers arriving on shift are aware of any potential health and safety issues and to ensure the employer is able to communicate the same to the employees, the number of entrances to St. Mary's Villa will be reduced from nine to four. One of these entrances (Door #12) will be designated a staff entrance with all staff arriving through one entrance and the remaining three will be for public access. This will allow the employer to provide communication in the event of a crisis as well as provide a location for ongoing communication to staff regarding a variety of issues including OHS related topics. Timeline for implementation at St. Mary's Villa is February 29, 2012.</p> <p>The Region is developing a regional response to wander risks. Preliminary sequence of operation includes controlled ingress and egress at all perimeter doors, and then a wander system on the main entrance(s). This will have likely significant operational impacts to each facility but will enhance resident and staff safety and reduce risk.</p> <p>In September 2011, an updated Code Brown (Appendix A) was distributed to all sites including St. Mary's Villa. All SHR facilities are required to complete a mock code exercise annually. This year, the exercise will be a Code Brown exercise. St. Mary's Villa will have their exercise completed by the end of March, 2012. In preparation for the mock exercise, staff are required to review the updated Code Brown to ensure their understanding of their role in the response.</p>	<p>Status of Contravention:</p> <p><input type="checkbox"/> Not started</p> <p><input checked="" type="checkbox"/> In Progress</p> <p><input type="checkbox"/> Complete</p>
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The Region continually provides training for supervisors on their responsibilities under the OHS Act; a number of Safety for Supervisor sessions have been provided in 2011/12. Out of 26 supervisors at SMV, 15 supervisors had this training at the time of the event. A couple of supervisors are recent transfers and confirmation is needed regarding whether they have received this training elsewhere. All others will be required to receive the training by the end of March 2012. Regionally, a record of those trained and the dates the training was completed is now captured in the Training Registration System.

The Region is committed to developing a response to ensure the health and safety of our staff and the residents and patients that we serve. Code Green (evacuation) is under review and will be revised in a way that supports Act 3 of The Occupational Health & Safety Act. The revised rural Code Green will be completed by April 30, 2012 and the regional Code Green will be completed by June 30, 2012. Our short-term risk mitigation plan during the re-development of this code is to communicate to leadership on call groups, including rural on call, (these are the groups that will be notified immediately in the event of an emergency situation) the need to ensure worker safety in a Code Brown/Green situation in alignment with the Occupational Health & Safety Act. They will be reminded about the re-development of Code Green that is pending and of workers' right to refuse unusually dangerous work. They will be reminded to review Code Brown/Green that highlights all available resources to consider in an exposure/evacuation circumstance including outside agencies such as Fire Response and SaskEnergy.

Extension requested to

June 30, 2012

Report prepared by:

Al Krieger, Manager, Infrastructure Renewals (FES)
 Todd Crutchlow, Mechanical Engineer (FES)
 Lyle Sawicki, Rural Maintenance Manager
 Sherry Gursky, Manager (SMV)
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Appendix A - Code Brown Policy



Code Brown.doc (6 MB)