

# External Inspection Form (General)



General Details			
<b>Business Unit:</b>	WCU	<b>Area:</b>	Garrington
<b>Facility:</b>	06-07 Compressor Battery	<b>Location (LSD):</b>	06-07-037-06W5M
<b>Regulatory Number:</b>	A0103469	<b>Tag Number:</b>	
<b>Serial Number:</b>	2644-A	<b>CRN Number:</b>	B 0477.2134
<b>Equipment Description:</b>	Truck Mounted Bullet		<b>EAM#:</b> 43265
		<b>Inspector:</b>	Lance Strangward
		<b>Company:</b>	Big Rock Inspection
		<b>Inspection Date:</b>	August 2014
		<b>Nat'l Board Number:</b>	

Inspection Summary	
<b>Inspection Summary:</b> Overview of inspection findings.	<p>Poor condition overall. (Item is currently out of service).</p> <p>There are transportation of dangerous goods placards on all four sides.</p> <p>Front support leg planks have broken under weight of unit. (unit sinking)</p> <p>Rear tires are still on the trailer and all are beyond repair (fully cracked).</p> <p>No access to top of bullet.</p>

External Inspection Items	Good	Fair	Poor	N/A	Comments
<b>General Condition:</b> Look for obvious external corrosion, areas of wear or fretting, bulging, buckling, bending, misalignment or leaks.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Numerous concerns.</p> <p>Sinking in front.</p> <p>Broken front leg support planks.</p> <p>TDG placards all around the unit with 'OUT of SERVICE' sticker on North side.</p>
<b>External Coating:</b> State whether the vessels is painted or has an external coating, its condition (rusting spots, blisters, disbondment), and any corrosion where coating has failed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Paint is partially intact and considerably worn on top half.</p> <p>Heavy corrosion at all strengthening beams.</p>
<b>Insulation / Cladding:</b> Look for areas of moisture ingress, staining, and poor caulking that may indicate CUI. Record general condition of insulation and cladding, and any concerns (moss or vegetation in insulation). State if insulation is asbestos (if stated).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Not insulated.</p>
<b>Data Plate(s):</b> Is it securely attached? Is it legible? Is it corroded? Is it painted over? Is all pertinent information on plate(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Secure and legible.</p>

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External Inspection Items	Good	Fair	Poor	N/A	Comments
<b>Nozzles, Piping and Connections:</b> Assess condition of nozzles and associated piping (look for product staining / leaking from repad tell tale holes, misalignment of piping, buckling or bending at nozzle connections, possible dead legs, any short bolting of flanged connections, and any leaking valve packing glands or other leaks in the system).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No obvious concerns with piping or connections. Surface corrosion where paint has failed. Valves are likely seized from lack of operation. No leaks or staining from previous leaks were seen.
<b>Ladders, Platforms and Walkways:</b> Look at any ladders, platforms or walkways associated with the equipment and flag any loose hardware, cracked welds, or notable deflection in load carrying supports.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The extra stairs / platform are in good condition. They are not painted and are covered in surface rust. The unit ladder is bent and the attachment bolts are rusted heavily.
<b>Foundations and Supports:</b> Ensure equipment is properly supported by foundation. Look for spalling or degradation of concrete foundations, and ensure anchor bolts are secure (tap with hammer).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Back end is resting on extremely deteriorated tires. Front end is sinking under weight. The planks under the front support legs are broken.
<b>Saddles / Skirts:</b> For skirts, inspect for corrosion of the skirt and any signs of leakage from inside skirt. For saddles, ensure one end is free to move during expansion / contraction (skid plate and loose studs / nuts), and that other end is secure. Look for any corrosion under fireproofing material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Grounding:</b> Ensure equipment is directly grounded, or that grounding is achieved through the skit (if applicable).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attached and secure.
<b>Gauges and Instrumentation:</b> Look for general condition and accuracy of gauges and instrumentation, fouling or damage of sight glasses, and any instrumentation appearing not to be functioning properly. Ensure anode wires are secure and connected to equipment.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intact; however they may or may not be in working order.
<b>Pressure Protection:</b> Ensure equipment has proper pressure protection (PSV's, rupture disks, etc.). Ensure pressure protection devices are recorded on the static data form.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No access to top side. Could not see one from ground.
<b>NDE Summary:</b> Summarize NDE performed to support the external inspection (corrosion surveys, MPI, LPI, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None performed at time of external visual inspection.
<b>Other:</b> <u>Tires</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not salvageable.

Equipment Pictures		
<p>Picture 1: <b>OVERVIEW</b></p>	<p>Picture 2: <b>GROUND WIRE</b></p>	<p>Picture 3: <b>GAUGES</b></p>
<p>Picture 4: <b>SECONDARY PLATFORM &amp; STAIRS</b></p>	<p>Picture 5: <b>DATA PLATE</b></p>	<p>Picture 6: <b>SECOND DATA PLATE</b></p>
<p>Picture 7: <b>LEVEL GAUGE</b></p>	<p>Picture 8: <b>OUT OF SERVICE STICKER</b></p>	<p>Picture 9: <b>PIPING &amp; VALVES</b></p>



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<p>Picture 10: WEST HEAD</p>  A photograph of the west head of a large white cylindrical tank, showing its rounded top and the support structure below. The tank is situated outdoors on a gravel surface.	<p>Picture 11: DETERIORATING PAINT – TOP</p>  A close-up photograph of the top of the tank showing significant paint deterioration, with large areas of peeling and exposed metal.	<p>Picture 12: WEST HEAD OVERVIEW</p>  An overview photograph of the west head of the tank, showing its position relative to the surrounding environment, including trees and other structures in the background.
<p>Picture 13: FRONT SUPPORT LEGS</p>  A photograph of the front support legs of the tank, showing the white metal structure and the wooden planks used for support.	<p>Picture 14: BROKEN PLANKING</p>  A close-up photograph of the wooden planking under the support legs, showing significant damage and decay.	<p>Picture 15: SINKING SUPPORT LEGS</p>  A photograph of the support legs showing signs of sinking or uneven settlement into the gravel ground.
<p>Picture 16: STRENGTHENING BEAM CORROSION</p>  A close-up photograph of a strengthening beam showing severe corrosion, with the metal surface heavily pitted and discolored.	<p>Picture 17: STRENGTHENING BEAM CORROSION</p>  Another close-up photograph of a strengthening beam, highlighting the extent of the corrosion and the resulting structural damage.	<p>Picture 18: STRENGTHENING BEAM CORROSION</p>  A third close-up photograph of a strengthening beam, showing the corrosion in a different section and its impact on the surrounding structure.



<p><b>Picture 19: CRACKED TIRE</b></p> 	<p><b>Picture 20: CRACKED TIRE</b></p> 	<p><b>Picture 21: FLAT TIRE</b></p> 
<p><b>Picture 22: BENT LADDER RAIL</b></p> 	<p><b>Picture 23: CORRODED LADDER BOLTS</b></p> 	<p><b>Picture 24: CORRODED LADDER BOLT</b></p> 

Inspection Summary	
<p><b>Non-Conformances and Corrective Actions:</b> Document all non-conformances and corrective actions identified as part of the inspection. Ensure NCR form is completed, if applicable.</p>	<p>Too numerous to list. Refer to report sections.</p>
<p><b>Preparatory Work Required for Next Inspection:</b> Cleaning requirements, scaffold, ladders, man basket, scissor lift, etc. to facilitate proper inspection of the equipment.</p>	<p>Access to top of vessel.</p>
<p><b>Recommendations for Next Inspection:</b> Recommendations for inspection techniques and items requiring special attention or caution for next inspection.</p>	<p>Prove out integrity and functionality prior to use.</p>
<p><b>Equipment Suitable for Continued Service?</b></p>	<p> <input type="checkbox"/> Fit for Continued Service                         <input checked="" type="checkbox"/> Not Fit for Continued Service (if not, explain)                      Numerous concerns must be address, including proving integrity of vessel.                 </p>

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Inspection Sign-Off and Acceptance			
Inspector: Lance Strangward	Signature: <i>L. Strangward</i>	Inspector Certification and Number: API 510 # 29553 API 653 # 35034 ABSA PVI # 00553	Date: August 2014
Chief Inspector / Area Inspector: Terry Grund	Signature:	Inspector Certification and Number:	Date: