



Client: Canadian Natural Resources Facility: Knopcik Sour LSD: 11-28-74-10 w6m (Central) Equip Description: Horizontal Inlet Separator

Reg A#: **433615** Drawing #: **1** 

103         Description: 6" 90° Elbow           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         10.2         10.0         10.0           Average:         11.0         10.8         10.8           Description:         Bottom Shell         0.0         0.0           Description:         Bottom Shell         0.8.9         63.9           Average:         64.0         64.0         64.0           Comments:         0.0         10.0         10.1           Minimum:         62.2         62.2         62.2           Average:         63.3         63.3         63.3           Comments:         Min scan at top of band.         10           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.0         63.7         63.7           Comments:         Min scan at top of band.         112           Description:         Bottom Shell         53.7           Average:         64.1         64.0         64.0           Comments:         10         10         10           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:	Nominal	Corrosion	Flag
Description:         6" 90" Elbow Date:         Oct 2, 08 Oct 2, 08 Jan 25, 10 Job Average:         Nov 15, 11 Job Job Secription:         Nov 15, 11 Job Secription:           105         Description:         Bottom Shell Date:         Oct 2, 08 San 25, 10 Job Comments:         Nov 15, 11 Mov 15, 11 Minimum:         San 25, 10 Gas 20, 20           106         Date:         Oct 2, 08 San 25, 10 Comments:         Nov 15, 11 Mov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         Nov 15, 11 Minimum:         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20         Nov 15, 11 Minimum:         San 25, 10 Gas 20, 20 <td< th=""><th>Thickness (mm)</th><th>Allowance (mm)</th><th>Thickness (mm)</th></td<>	Thickness (mm)	Allowance (mm)	Thickness (mm)
Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         10.2         10.0         10.0           Average:         11.0         10.8         10.8           Comments:         05         Description:         Bottom Shell         10.0           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11         Minimum:           63.9         63.9         63.9         63.9         Average:           70         Description:         Lower East Head         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         62.2         62.2         62.2         Average:         63.3         63.3           Comments:         Min scan at top of band.         Image:         Gate:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.0         63.7         63.7         Gate:			
Minimum:       10.2       10.0       10.0         Average:       11.0       10.8       10.8         05       Description:       Bottom Shell       03.9         Minimum:       63.9       63.9       63.9         Average:       64.0       64.0       64.0         Comments:       Comments:       62.2       62.2       62.2         Average:       63.3       63.3       63.3       63.3         Comments:       Minimum:       62.2       62.2       62.2         Average:       63.3       63.3       63.3       63.3         Comments:       Minimum:       64.0       63.7       63.7         Description:       Bottom Shell       0       64.0       64.0         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11       Minimum:         May arge:       64.1       64.0       64.0       64.0       64.0         Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5       64.5         Description:       Bottom Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Mini	11.0	1.4	9.6
Average:       11.0       10.8       10.8         Comments:       05         Description:       Bottom Shell       Nov 15, 11         Minimum:       63.9       63.9       63.9         Average:       64.0       64.0       64.0         Comments:       Oc       Comments:       62.2       62.2         10       Description:       Lower East Head       63.3       63.3         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       62.2       62.2       62.2         Average:       63.3       63.3       63.3         Comments:       Min scan at top of band.       Nov 15, 11         Minimum:       64.0       64.0       64.0         Comments:       Min scan at top of band.       63.7       63.7         12       Description:       Bottom Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5       Average:       64.8       64.7       64.7         Description:       Upper Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11       Minimum:       64.6       64.9       64.9       64.9<			
Comments:           05           Description: Bottom Shell           Date:         Cot 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         63.9         63.9         63.9           Average:         64.0         64.0         64.0           Comments:         Comments:         Description:         Lower East Head           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         62.2         62.2         62.2           Average:         63.3         63.3         63.3           Comments:         Min scan at top of band.         Description:         Bottom Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.1         64.0         63.7           Average:         64.1         64.0           Comments:         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.7         64.5         64.5         Average:         64.8         64.7         64.7           Description: Bottom Shell         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11         <			
Comments:           05           Description: Bottom Shell           Date:         Cot 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         63.9         63.9         63.9           Average:         64.0         64.0         64.0           Comments:         Comments:         Description:         Lower East Head           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         62.2         62.2         62.2           Average:         63.3         63.3         63.3           Comments:         Min scan at top of band.         Description:         Bottom Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.1         64.0         63.7           Average:         64.1         64.0           Comments:         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.7         64.5         64.5         Average:         64.8         64.7         64.7           Description: Bottom Shell         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11         <			
Description:         Bottom Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum: $63.9$ $63.9$ $63.9$ Average: $64.0$ $64.0$ $64.0$ Description:         Lower East Head         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum: $62.2$ $62.2$ $62.2$ $63.3$ $63.3$ Comments: $Min scan at top of band.$ Comments: $Min scan at top of band.$ 12         Description:         Bottom Shell         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11         Minimum: $64.7$ $64.7$ $64.7$ Average: $64.1$ $64.0$ $64.7$ $64.7$ $64.7$ $64.7$ Description:         Bottom Shell         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum: $64.7$ $64.7$ $64.7$ $64.7$ $64.9$ Description:         Upper Shell         Date:         Oct 2, 08			
Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         63.9         63.9         63.9           Average:         64.0         64.0         64.0           Comments:         Description:         Lower East Head         0           Description:         Lower East Head         0         63.3         63.3           Comments:         Minimum:         62.2         62.2         62.2           Average:         63.3         63.3         63.3         63.3           Comments:         Minimum:         64.0         63.7         63.7           Description:         Bottom Shell         0         64.0         64.0           Comments:         64.1         64.0         64.0         64.0           Comments:         64.7         64.0         64.7         64.0           Description:         Bottom Shell         0         0         0         0           Description:         Bottom Shell         0         0         0         0         0           Description:         Bottom Shell         0         0         0         0         0         0         0         0         0         0         0 <td></td> <td></td> <td></td>			
Minimum: $63.9$ $63.9$ $63.9$ Average: $64.0$ $64.0$ Comments: $64.0$ $64.0$ Description:       Lower East Head       Nov 15, 11         Date: $Oct 2, 08$ Jan 25, 10       Nov 15, 11         Minimum: $62.2$ $62.2$ $62.2$ Average: $63.3$ $63.3$ $63.3$ Comments:       Min scan at top of band. $10$ Description:       Bottom Shell       Date: $Oct 2, 08$ Jan 25, 10       Nov 15, 11         Minimum: $64.0$ $63.7$ $63.7$ $63.7$ $63.7$ Average: $64.1$ $64.0$ $64.0$ $64.0$ Comments:       Date: $Oct 2, 08$ Jan 25, 10       Nov 15, 11         Minimum: $64.7$ $64.7$ $64.7$ $64.7$ Comments:       Date: $Oct 2, 08$ Jan 25, 10       Nov 15, 11         Minimum: $64.7$ $64.7$ $64.7$ $64.7$ Zo       Date: $Oct 2, 08$ Jan 25, 10       Nov 15, 11         Minimum: $64.6$	63.5	3.2	60.3
Minimum:       63.9       63.9       63.9         Average:       64.0       64.0       64.0         Comments:       Description:       Lower East Head       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       62.2       62.2       62.2       Average:       63.3       63.3         Comments:       Min scan at top of band.       Comments:       Minimum:       64.0       64.0         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11       Minimum:       64.0       63.7         12       Description:       Bottom Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.0       63.7       63.7       63.7       Average:       64.1         Comments:       64.1       64.0       64.0       64.0       Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11       Minimum:       64.7       64.7         20       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11       Minimum:       64.7       64.7         25       Description:       Mid Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6 <td></td> <td></td> <td></td>			
Average:       64.0       64.0       64.0         Comments:       Description:       Lower East Head       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       62.2       62.2       62.2       Average:       63.3       63.3         Comments:       Minimum:       64.0       63.7       63.7       63.7         Description:       Bottom Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.0       63.7       63.7       63.7         Average:       64.1       64.0       64.0         Comments:       Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.0       Comments:         15       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7       64.7         Average:       64.3       64.7       64.7       64.9         Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.9       G4.9         Comments:       Date:       Oct 2, 08<			
Comments:         10         Description: Lower East Head         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       62.2       62.2       62.2         Average: 63.3       63.3       63.3         Comments: Min scan at top of band.         12         Description:         Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.0       63.7       63.7       63.7         Average:       64.1       64.0       64.0         Comments:         15         Description:       Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Average:       64.9       64.9         O         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.9       64.9         Comments:         Date:			
Description:         Lower East Head Date:         Oct 2, 08 (2.2)         Jan 25, 10 (3.3)         Nov 15, 11 (Minimum:           Minimum:         62.2 (63.3)         63.3 (63.3)         63.3 (63.3)         63.3 (63.3)           Comments:         Min scan at top of band.         12           Description:         Bottom Shell Date:         Nov 15, 11 (Minimum:         64.0 (64.0)           Comments:         Oct 2, 08 (20)         Jan 25, 10 (20)         Nov 15, 11 (Minimum:         64.7 (20)           20 Description:         Upper Shell Date:         Oct 2, 08 (2.0)         Jan 25, 10 (2.0)         Nov 15, 11 (2.0)           20 Description:         Upper Shell Date:         Oct 2, 08 (2.0)         Jan 25, 10 (2.0)         Nov 15, 11 (2.0)           20 Description:         Upper Shell Date:         Oct 2, 08 (2.0)         Jan 25, 10 (2.0)         Nov 15, 11 (2.0)           25 Description:         Mid Shell Date:         Oct 2, 08 (2.0)         Jan 25, 10 (2.0)         Nov 15, 11 (2.0)           Date:         Oct 2, 08 (2.0)         Jan 25, 10 (2.0)         Nov 15, 11 (2.0)         Nov 15, 11 (2.0)           Minimum:         64.6 (2.0)         64.7 (2.0)         64.7 (2.0)         64.7 (2.0)			
Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       62.2       62.2       62.2         Average:       63.3       63.3       63.3         Comments:       Min scan at top of band.       63.3       63.3         Image: 63.3       63.3       63.3         Comments: Min scan at top of band.         Image: 64.0       63.7       63.7         Average: 64.1       64.0       64.0         Comments:         Information Shell         Description: Bottom Shell         Description: Bottom Shell         Description: Bottom Shell         Description: Bottom Shell         Description: Upper Shell         Description: Upper Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Average: 64.9       64.9         Comments:         Description: Upper Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6			
Minimum:       62.2       62.2       62.2         Average:       63.3       63.3       63.3         Comments:       Min scan at top of band.         12       Description:       Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.0       63.7       63.7         Average:       64.1       64.0       64.0         Comments:       64.1       64.0       64.0         Comments:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       O       Description:       Upper Shell       Date:         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         O       Comments:       O       Get.9       Get.9         20       Description:       Upper Shell       Description:       Get.9       Get.9         Comments:       O       Get.9       Get.9       Get.9       Get.9       Get.9         Description:       Mid Shell       Date: <td< td=""><td>61.6</td><td>3.2</td><td>58.4</td></td<>	61.6	3.2	58.4
Minimum:       62.2       62.2       62.2         Average:       63.3       63.3       63.3         Comments:       Min scan at top of band.         112         Description:       Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.0       63.7       63.7         Average:       64.1       64.0       64.0         Comments:       64.1       64.0       64.0         Comments:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       Ottop Shell       Description:       Upper Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Comments:       Ott 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.9       64.9       64.9         Comments:       Ott 2, 08       Jan 25, 10       Nov 15, 11         Description:       Mid Shell       Date:       Oct 2, 08       Jan 25, 10         Dett:			
Comments: Min scan at top of band.         112         Description: Bottom Shell         Date: Oct 2, 08 Jan 25, 10 Nov 15, 11         Minimum:       64.0       63.7       63.7         Average:       64.1       64.0       64.0         Comments:         Tis         Description:       Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       Comments:       Comments:       Comments:         20         Description:       Upper Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7       64.9       Comments:         25         Date: Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Date: Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.			
Comments: Min scan at top of band.         112         Description: Bottom Shell         Date: Oct 2, 08 Jan 25, 10 Nov 15, 11         Minimum:       64.0       63.7       63.7         Average:       64.1       64.0       64.0         Comments:         Tis         Description:       Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       Ott 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Cott 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.9         Cott 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.9       64.9       64.9         Comments:         Date: Oct 2, 08       Jan 25, 10       Nov 15, 11         Date: Oct 2, 08       Jan 25, 10       Nov 15, 11         Date: Oct 2, 08       Jan 25, 10       Nov 15, 11			
Description:         Bottom Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.0         63.7         63.7           Average:         64.1         64.0         64.0           Comments:         Comments:         0         64.0           15         Description:         Bottom Shell         0           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.7         64.5         64.5           Average:         64.8         64.7         64.7           Comments:         Comments:         0         0         0           120         Description:         Upper Shell         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.7         64.7         64.7         64.7           Average:         64.9         64.9         64.9         64.9           Comments:         Description:         Mid Shell         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.6         64.6         64.6         64.6         64.6           Average:         64.7         64.7<			
Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum: $64.0$ $63.7$ $63.7$ Average: $64.1$ $64.0$ $64.0$ Comments: <b>15</b> Description:       Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum: $64.7$ $64.5$ $64.5$ Average: $64.8$ $64.7$ $64.7$ Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7         O         Description: Upper Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum: $64.7$ $64.9$ $64.9$ $64.9$ Comments:         Description:       Mid Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6         Auerage:       64.7       64.7       64.7			
Minimum: $64.0$ $63.7$ $63.7$ $63.7$ Average: $64.1$ $64.0$ $64.0$ Comments:       Description:       Bottom Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum: $64.7$ $64.5$ $64.5$ $64.7$ $64.7$ $64.7$ Average: $64.8$ $64.7$ $64.7$ $64.7$ $64.7$ Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum: $64.7$ $64.7$ $64.7$ Average: $64.9$ $64.9$ $64.9$ Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum: $64.6$ $64.6$ $64.6$ $64.6$ Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum: $64.6$ $64.6$ $64.6$ $64.6$ Average: $64.7$ $64.7$ $64.7$ $64.7$ Comments:       Oct 2, 08       Jan 25, 10       Nov 15, 11	63.5	3.2	60.3
Average:       64.1       64.0       64.0         Comments:       15       Description:       Bottom Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5       A.5       A.5         Average:       64.8       64.7       64.7       64.7         Comments:       0       0       0       0         Description:       Upper Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       0       0       0       0         25       0       0       0       0       0         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11       0       0         Minimum:       64.6       64.6       64.6       64.6       64.6       64.7			
Comments:         15       Description: Bottom Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       Comments:       0       0         20       Description:       Upper Shell       0         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       0       0       0         25       Description:       Mid Shell       0         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       0       0       0       0			
Comments:         15       Description: Bottom Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Average:       64.8       64.7       64.7         Comments:       0       0       0         20       Description:       Upper Shell       0         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       0       0       0       0         25       0       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6       64.6         Average:       64.7       64.7       64.7       64.7         Comments:       0       0       0       0       0			
Description:         Bottom Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.7         64.5         64.5           Average:         64.8         64.7         64.7           Comments:         Comments:         0         0           Description:         Upper Shell         0         0           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.7         64.7         64.7           Average:         64.9         64.9         64.9           Comments:         Comments:         0         0         0           25         Description:         Mid Shell         Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.6         64.6         64.6         64.6           Average:         64.7         64.7         64.7         64.7			
Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       64.7       64.7       64.7         Description:       Upper Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       64.9       64.9       64.9         Image:       64.9       64.9       64.9         Comments:       64.9       64.9       64.9         Description:       Mid Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       0ct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       0ct 2, 08       Jan 25, 10       Nov 15, 11			
Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       64.7       64.7       64.7         Description:       Upper Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       64.9       64.9       64.9         Comments:       64.9       64.9       64.9         Description:       Mid Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       0       Nov 15, 11       Minimum:       64.6       64.6         Average:       64.7       64.7       64.7       64.7         Comments:       0       Nov 15, 11       Minimum:       64.6       64.6	63.5	3.2	60.3
Minimum:       64.7       64.5       64.5         Average:       64.8       64.7       64.7         Comments:       64.7       64.7       64.7         Description:       Upper Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       64.9       64.9       64.9         Description:       Mid Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Description:       Mid Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       Comments:       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6       64.7       64.7         Comments:       Gate:       Gate:       Gate:       Gate:       Gate:       Gate:         Comments:       Gate:       Gate:       Gate:       Gate:       Gate:       Gate: <t< td=""><td></td><td></td><td></td></t<>			
Average:       64.8       64.7       64.7         Comments:       120         Description:       Upper Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       0       0       0         125       Description:       Mid Shell       0         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       0       0       0       0			
Comments:         20         Description:       Upper Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       25       Description:       Mid Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       Optimized for the state of the stat			
Description:         Upper Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.7         64.7         64.7           Average:         64.9         64.9         64.9           Comments:         0         0         0         0           S           Description:         Mid Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.6         64.6         64.6           Average:         64.7         64.7         64.7           Comments:         0         0         0         0			
Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       64.9       64.9       64.9         Description: Mid Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       64.6       64.6       64.6			
Minimum:       64.7       64.7       64.7         Average:       64.9       64.9       64.9         Comments:       64.9       64.9       64.9         25       Description:       Mid Shell       Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6       64.7         Average:       64.7       64.7       64.7         Comments:       64.7       64.7       64.7	63.5	3.2	60.3
Average:       64.9       64.9         Comments:       64.9       64.9         I25       Description:       Mid Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       64.7       64.7       64.7			
Average:       64.9       64.9         Comments:       64.9       64.9         25       Description:       Mid Shell         Date:       Oct 2, 08       Jan 25, 10       Nov 15, 11         Minimum:       64.6       64.6       64.6         Average:       64.7       64.7       64.7         Comments:       64.7       64.7       64.7			
Z5         Description:         Mid Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.6         64.6         64.6           Average:         64.7         64.7         64.7           Comments:         Optimized Structure         000000000000000000000000000000000000			
Description:         Mid Shell           Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.6         64.6         64.6           Average:         64.7         64.7         64.7           Comments:         Image: 64.7         64.7         64.7			
Date:         Oct 2, 08         Jan 25, 10         Nov 15, 11           Minimum:         64.6         64.6         64.6           Average:         64.7         64.7         64.7           Comments:         64.7         64.7         64.7			
Minimum:         64.6         64.6         64.6           Average:         64.7         64.7         64.7           Comments:         64.7         64.7         64.7	63.5	3.2	60.3
Minimum:         64.6         64.6         64.6           Average:         64.7         64.7         64.7           Comments:         64.7         64.7         64.7			
Average:         64.7         64.7           Comments:         64.7         64.7			
Comments:			
30			
Description: Lower Shell	63.5	3.2	60.3
Date: Oct 2, 08 Jan 25, 10 Nov 15, 11			
Minimum: 64.4 64.4 64.4			
Average: 64.6 64.6 64.6			
Comments:			

2º	LANCE
	INSPECTIONS INC.
UTS	Data Sheet

Client: Canadian Natural Resources Facility: Knopcik Sour LSD: 11-28-74-10 w6m (Central) Equip Description: Horizontal Inlet Separator

Reg A#: **433615** 

Drawing #: 1

	S Data She			Diawing #.			
					Nominal Thickness (mm)	Corrosion Allowance (mm)	Flag Thicknes (mm)
35							
Description:	Upper West He	ad			61.6	3.2	58.4
Date:	Oct 2, 08	Jan 25, 10	Nov 15, 11				
Minimum:	62.4	62.4	62.4				
Average:	64.5	64.5	64.5				
Comments:							
37							
Description:	Lower West He	ead			61.6	3.2	58.4
Date:	Oct 2, 08	Jan 25, 10	Nov 15, 11				
Minimum:	62.8	62.8	62.8				
Average:	64.4	64.4	64.4				
Comments:	Nov 2011_Min s	scan at top of bar	ıd.				
40							
Description:	Lower Boot Sh	ell			38.1	3.2	34.9
Date:	Oct 2, 08	Jan 25, 10	Nov 15, 11				
Minimum:	37.4	37.4	37.4				
Average:	37.8	37.8	37.8				
	Min scan at mid	l band.					
45							
Description:	Boot Head				38.1	3.2	34.9
Date:	Oct 2, 08	Jan 25, 10	Nov 15, 11				
Minimum:	37.0	37.0	36.8				
Average:	38.9	38.9	38.9				
Comments:	Min scan at knu	ickle.					
50							
Description:	Lower Boot Sh				28.6	3.2	25.4
Date:	Oct 2, 08	Jan 25, 10	Nov 15, 11				
Minimum:	31.8	31.8	31.7				
Average:	32.4	32.4	32.4				
Comments:							
55							
55 Description:					28.6	3.2	25.4
	Boot Head Oct 2, 08	Jan 25, 10	Nov 15, 11		28.6	3.2	25.4
Description: Date: Minimum:	Oct 2, 08 29.7	29.7	29.7		28.6	3.2	25.4
Description: Date: Minimum: Average:	Oct 2, 08 29.7 32.5	29.7 32.5			28.6	3.2	25.4
Description: Date: Minimum: Average:	Oct 2, 08 29.7 32.5	29.7	29.7		28.6	3.2	25.4
Description: Date: Minimum: Average: Comments:	Oct 2, 08 29.7 32.5 Nov 2011_Min s	29.7 32.5	29.7				
Description: Date: Minimum: Average: Comments: 60 Description:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle	29.7 32.5 scan at knuckle.	29.7 32.5		28.6	3.2	25.4
Description: Date: Minimum: Average: Comments: 60 Description:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08	29.7 32.5 scan at knuckle. Jan 25, 10	29.7 32.5 Nov 15, 11				
Description: Date: Minimum: Average: Comments: 60 Description: Date: Minimum:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08 8.3	29.7 32.5 scan at knuckle. Jan 25, 10 8.3	29.7 32.5 Nov 15, 11 8.1				
Description: Date: Minimum: Average: Comments: 60 Description:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08	29.7 32.5 scan at knuckle. Jan 25, 10	29.7 32.5 Nov 15, 11				
Description: Date: Minimum: Average: Comments: 60 Description: Date: Minimum:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08 8.3	29.7 32.5 scan at knuckle. Jan 25, 10 8.3	29.7 32.5 Nov 15, 11 8.1				
Description: Date: Minimum: Average: Comments: 00 Description: Date: Minimum: Average: Comments:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08 8.3 8.8	29.7 32.5 scan at knuckle. Jan 25, 10 8.3	29.7 32.5 Nov 15, 11 8.1			3.2	5.5
Description: Date: Minimum: Average: Comments: 00 Description: Average: Comments: 63 Description:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08 8.3 8.8 2" 90° Nozzle	29.7 32.5 scan at knuckle. Jan 25, 10 8.3 8.8	29.7 32.5 Nov 15, 11 8.1 8.6				
Description: Date: Minimum: Average: Comments: 00 Description: Date: Minimum: Average: Comments:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08 8.3 8.8	29.7 32.5 scan at knuckle. Jan 25, 10 8.3 8.8 Jan 25, 10	29.7 32.5 Nov 15, 11 8.1		8.7	3.2	5.5
Description: Date: Minimum: Average: Comments: 00 Description: Average: Comments: 63 Description:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08 8.3 8.8 2" 90° Nozzle	29.7 32.5 scan at knuckle. Jan 25, 10 8.3 8.8	29.7 32.5 Nov 15, 11 8.1 8.6		8.7	3.2	5.5
Description: Date: Minimum: Average: Comments: 00 Description: Average: Comments: 63 Description:	Oct 2, 08 29.7 32.5 Nov 2011_Min s 2" 90° Nozzle Oct 2, 08 8.3 8.8 2" 90° Nozzle Oct 2, 08	29.7 32.5 scan at knuckle. Jan 25, 10 8.3 8.8 Jan 25, 10	29.7 32.5 Nov 15, 11 8.1 8.6 Nov 15, 11		8.7	3.2	5.5



Client: Canadian Natural Resources Facility: Knopcik Sour LSD: 11-28-74-10 w6m (Central) Equip Description: Horizontal Inlet Separator Reg A#: 433615 Drawing #: 1

Nominal

Corrosion

Flag

## Thickness Allowance Thickness (mm) (mm) (mm) 165 Description: 2" 90° Elbow 8.7 7.6 1.1 Date: Oct 2, 08 Jan 25, 10 Nov 15, 11 Minimum: 8.1 8.1 7.9 8.8 8.5 Average: 8.8 Comments: 170 Description: 2" 90° Elbow 8.7 1.1 7.6 Date: Oct 2, 08 Jan 25, 10 Nov 15, 11 8.5 Minimum: 8.5 8.3 Average: 9.0 9.0 8.7 Comments: 175 Description: 2" 90° Elbow 8.7 1.1 7.6 Date: Oct 2, 08 Jan 25, 10 Nov 15, 11 8.1 8.1 8.1 Minimum: 8.8 Average: 8.8 8.5 Comments: 180 Description: 2" 90° Elbow 8.7 7.6 1.1 Date: Oct 2, 08 Jan 25, 10 Nov 15, 11 Minimum: 8.4 8.4 8.3 Average: 8.9 8.9 8.7 Comments: 185 Description: 6" 90° Elbow 11.0 1.4 9.6 Oct 2, 08 Jan 25, 10 Nov 15, 11 Date: 9.0 Minimum: 9.4 9.2 Average: 10.0 9.8 9.6 Comments: 190 Description: 6" 90° Elbow 11.0 1.4 9.6 Oct 2, 08 Jan 25, 10 Nov 15, 11 Date: Minimum: 9.4 9.4 9.4 Average: 10.2 10.2 9.9 Comments: