

ภาคผนวก ข-3

CCU Checklist

CCU PRE-TRIP INSPECTION CHECKLIST

COMPANY / CCU OWNER :		HAL		CERTIFYING AUTHORITY :						
TYPE OF CCU :		Container / Cargo Basket / Gas Cylinder Rack / Tool Box / Bench / Skid / Unit / Other (Please specify)								
WIN / ID NO :		10003656								
COLOR CODE :		DESTINATION OF CARGO :								
Item	รายละเอียดการตรวจ	CCU Owner / Sender				PTTEP Tally Clerk				หมายเหตุ
		Yes	No	NA	Yes	No	NA			
1	CCU จะต้องมีการตรวจสอบด้วยสายตา 3 อย่าง Visual Inspection Cert / Pin Load Test Cert / MT Report ก่อนนำขึ้นรถบรรทุก CCU 1 ใบ และแนบมาพร้อมใบกำกับสินค้า	✓			✓					
2	Certificate และ Report เกี่ยวกับน้ำหนัก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓			✓					
3	กรณี "CONTRACTOR'S CCU APPROVAL FOR TRANSPORTATION STAGES" ในกรณี CCU มีเครื่องหมายแสดงถึง Strength Inspection Team แล้วแต่กรณีของรถบรรทุก Color Code ที่ปรากฏบน	✓								
4	การตรวจสอบรถบรรทุก CCU ที่ดำเนินการตาม และสิ่งที่ผิดปกติบน Certificate				✓					
5	น้ำหนักบรรทุกตามใบกำกับสินค้า CCU ไม่เกิน MGV max CCU	✓								
6	การตรวจสอบการปิดล็อค CCU อย่างถูกต้องตามที่กำหนด และตรวจสอบการปิดล็อค / แขนง และล็อคที่ปิดล็อคที่บันทึกน้ำหนักที่บันทึกไว้บนใบกำกับสินค้า และมีการบันทึกน้ำหนักบรรทุกที่บันทึกไว้	✓			✓					
7	การตรวจสอบการปิดล็อคของรถบรรทุก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓								
8	การตรวจสอบการปิดล็อคของรถบรรทุก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓								
9	การตรวจสอบการปิดล็อคของรถบรรทุก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓								
10	การตรวจสอบการปิดล็อคของรถบรรทุก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓								
11	Tag Line อย่างน้อย 2 อย่างบนรถบรรทุก CCU และ Tag Line อย่างน้อย 2 อย่างบนรถบรรทุก (Tag Line อย่างน้อย 2 อย่างบนรถบรรทุก และ Tag Line อย่างน้อย 2 อย่างบนรถบรรทุก)	✓								
12	การตรวจสอบการปิดล็อคของรถบรรทุก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓								
13	การตรวจสอบการปิดล็อคของรถบรรทุก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓								
14	การตรวจสอบการปิดล็อคของรถบรรทุก และสิ่งผิดปกติทางสี 1 ใบ พร้อมเอกสารที่แนบมาของรถบรรทุก CCU ที่บันทึกน้ำหนักที่ผู้บันทึกทราบ มีน้มน้ำ	✓								

Note

Date: 19-2-24
 Date: 19/2/24

CCU PRE-TRIP INSPECTION CHECKLIST

COMPANY / CCU DRIVER : PTTEP		CERTIFYING AUTHORITY :						
TYPE OF CCU :		Container / Cargo Roster / Gun Cylinder Rack / Trail Box / Tank / Hail / Other (Please specify)						
DATE / DAY :		Fri 28 Sep						
COLOR CODE :		Purple						
		DESTINATION OF CHASE : NYI						
ITEM	รายละเอียดการตรวจสอบ	CCU Driver / Senior			PTTEP Trip/Chk			REMARK
		Yes	No	NA	Yes	No	NA	
1	CCU ได้รับการตรวจสอบโดยผู้ควบคุม 3 คน Visual Inspection Card / Pre-Trip Test Card / ART Report Transmitted/Printed by CCU / ๒ ผู้ควบคุมและผู้ควบคุม ๑ คน	✓			✓			
2	Certificate และ Report ของรถบรรทุก ถูกส่งถึงหน่วยงานที่เกี่ยวข้อง 1 (หน่วยงานที่เกี่ยวข้องของศูนย์ CCU) ให้ผู้ควบคุมและผู้ควบคุมทราบ	✓			✓			
3	Load / CONTAINER'S CCU APPROVAL FOR TRANSPORTATION STATUS/ Single CCU เมื่อได้รับการอนุมัติแล้ว แจ้งให้หน่วยงานที่เกี่ยวข้องทราบ	✓			✓			
4	รถบรรทุกของศูนย์ CCU มีรถบรรทุกมาจอดที่ท่าเรือของศูนย์ควบคุม Certificate							
5	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
6	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
7	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
8	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
9	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
10	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
11	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
12	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
13	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			
14	รถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน และรถบรรทุกมาจอดที่ท่าเรือของศูนย์ CCU อย่างน้อย 1 คัน	✓			✓			

Slng No **ES-SB-222/S** Mtr **15 SC M7** Hgh **10.00 M7** (Vn **88/01/84**)

Verified By	Date of	19/12/24	On the	15/12/24
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Group 2 (n = 10)

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[illegible]

CCU PRE-TRIP INSPECTION CHECKLIST									
COMPANY/CCU OWNER :		IDENTIFYING AUTHORITY :							
TYPE OF CCU :		CONTAINER (Cargo Basket / Tool Box / Tank / Shid / Unit / Other (Please specify))							
VIN / ID NO :		CPN 266							
COLOUR CODE :		Yellow		DESTINATION OF CARGO :					
Item	รายละเอียดการตรวจรายการ	CCU Owner / Sender			PTTEP Tally Clerk			หมายเหตุ	
		Yes	No	NA	Yes	No	NA		
1	CCU แสดงหลักฐานการทดสอบการรั่วซึมประเภท 3 ดังนี้ : Visual Inspection Cert. / Proof Tightness Cert. / HT Report โดยระบุวันที่ทดสอบการรั่วซึมที่ CCU 1 วัน ก่อนการนำออกใช้ตามเงื่อนไขข้อ 1 ของ	✓			✓				
2	Certificate และ Report ทดสอบแรงดัน ออกโดยวิศวกรหรือช่างเทคนิค 1 ท่าน หรือ วิศวกรและช่างเทคนิคจาก CCU ที่นำมาใช้เพื่อใช้ปฏิบัติงานตาม ประมวล	✓			✓				
3	เอกสาร "COCKLE/CRACK APPROVAL FOR TRANSPORTATION STAGE" โดยระบุ CCU ที่ผ่านการตรวจรายการที่ Tagline Inspection Team	✓			✓				
4	การดำเนินการตามข้อ 3 ของ CCU คือการนำถังออกใช้งาน และใช้ถังตามเงื่อนไขข้อ 3 ของ Certificate	✓			✓				
5	ถังถังของถังที่นำเข้ามาใช้ตามเงื่อนไขข้อ 3 ของ CCU คือถังถัง MQW ของ CCU	✓			✓				
6	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
7	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
8	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
9	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
10	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
11	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
12	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
13	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				
14	การดำเนินการตามข้อ 3 ของ CCU เช่น การนำถังเข้ามาใช้ หรือ การนำถังออกใช้ โดยระบุวันที่นำเข้ามาใช้ หรือ วันที่นำออกใช้ตามเงื่อนไขข้อ 3 ของ CCU	✓			✓				

[illegible]

CCU CRE-TRIP INSPECTION CHECKLIST

COMPANY / CCU OWNER :		SPERRY DRILLING				CERTIFYING AUTHORITY :				LR / DNV			
TYPE OF CCU :		Container / Cargo Boat / Jetty / Offshore Rack / Tool Box / Tank / Skid / Unit / Other (Please specify)											
WTR. ID NO. :		SYH 1052											
COLOUR CODE :		YELLOW				DESTINATION OF CARGO :				T-10			
Item	รายละเอียดการปฏิบัติงาน	CCU Owner / Skidder / PTTEP Tally Clerk								Remarks			
		Yes	No	NA	Yes	No	NA	Yes	No				
1	CCU จะต้องมีการติดป้ายระบุ 3 อย่าง Visual Inspection Card - Pin/ Load Test Card - M/ Report เลขตามใบตรวจตรา CCU 1 ชุด และเอกสารใบตรวจตรา (ฉบับ) 1 ชุด	/				/							
2	Certificate และ Report จะต้องเป็นเอกสาร และฉบับจริงเท่านั้น ไม่สามารถนำเอกสารหรือภาพถ่ายของ CCU มาแทนได้	/				/							
3	ถ้ามี "CONTRACTOR'S CCU APPROVAL FOR TRANSPORTATION AUTHORITY" ให้ส่ง CCU ให้ผู้ควบคุมการขนถ่าย (Sighting Inspector Team) ตรวจสอบและลงนามในใบรับ-จ่าย Color Code ที่ถูกต้อง	/				/							
4	หากมีเอกสารของ CCU ที่ไม่ถูกต้องเอกสาร จะต้องให้เจ้าหน้าที่ Sign Certificate	/				/							
5	ถ้ามีเอกสารที่ถูกต้องของ CCU จะต้องให้ MOW sign CCU	/				/							
6	หากมีเอกสารที่ถูกต้อง CCU จะต้องนำใบรับ-จ่าย มาแสดงและให้ผู้ควบคุมการขนถ่าย / ผู้ควบคุมการขนถ่าย (Sighting Inspector) ตรวจสอบและลงนามในใบรับ-จ่าย (ฉบับ) 1 ชุด	/				/							
7	หากมีเอกสารที่ถูกต้อง CCU จะต้องนำใบรับ-จ่าย มาแสดงและให้ผู้ควบคุมการขนถ่าย / ผู้ควบคุมการขนถ่าย (Sighting Inspector) ตรวจสอบและลงนามในใบรับ-จ่าย (ฉบับ) 1 ชุด	/				/							
8	หากมีเอกสารที่ถูกต้อง CCU จะต้องนำใบรับ-จ่าย มาแสดงและให้ผู้ควบคุมการขนถ่าย / ผู้ควบคุมการขนถ่าย (Sighting Inspector) ตรวจสอบและลงนามในใบรับ-จ่าย (ฉบับ) 1 ชุด	/				/							
9	หากมีเอกสารที่ถูกต้อง CCU จะต้องนำใบรับ-จ่าย มาแสดงและให้ผู้ควบคุมการขนถ่าย / ผู้ควบคุมการขนถ่าย (Sighting Inspector) ตรวจสอบและลงนามในใบรับ-จ่าย (ฉบับ) 1 ชุด	/				/							
10	หากมีเอกสารที่ถูกต้อง CCU จะต้องนำใบรับ-จ่าย มาแสดงและให้ผู้ควบคุมการขนถ่าย / ผู้ควบคุมการขนถ่าย (Sighting Inspector) ตรวจสอบและลงนามในใบรับ-จ่าย (ฉบับ) 1 ชุด	/				/							
11	Tag Line จะต้องมีการติดป้ายระบุ 3 อย่าง Visual Inspection Card - Pin/ Load Test Card - M/ Report เลขตามใบตรวจตรา CCU 1 ชุด และเอกสารใบตรวจตรา (ฉบับ) 1 ชุด	/				/							
12	หากมีเอกสารที่ถูกต้อง CCU จะต้องนำใบรับ-จ่าย มาแสดงและให้ผู้ควบคุมการขนถ่าย / ผู้ควบคุมการขนถ่าย (Sighting Inspector) ตรวจสอบและลงนามในใบรับ-จ่าย (ฉบับ) 1 ชุด	/				/							
13	หากมีเอกสารที่ถูกต้อง CCU จะต้องนำใบรับ-จ่าย มาแสดงและให้ผู้ควบคุมการขนถ่าย / ผู้ควบคุมการขนถ่าย (Sighting Inspector) ตรวจสอบและลงนามในใบรับ-จ่าย (ฉบับ) 1 ชุด	/				/							

Signature


Date: 8/15/24

Date: 08-08-24

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CCU PRE-TRIP INSPECTION CHECKLIST

COMPANY / CCU OWNER		CERTIFICATION AUTHORITY					
Type of CCU : Container / Cargo Basket / Gas Cylinder Rack / Tool Box / Tank / Sild / Unit / Other (Please specify)		Inter-tec,					
WTR / NO ID :		PR-09-01, 10, 11, 01, 12, 13					
COLOR CODE :		DESTINATION OF CARDO :		ATK, SHH			
Item	รายละเอียดการตรวจ	CCU Owner / Sender			PTTEP Tally Clerk		หมายเหตุ
		Yes	No	NA	Yes	No	
1	CCU จะต้องมีการแสดงข้อมูลสำคัญ 3 อย่าง Visual Inspection Card / Proof Load Test Card / MT Report Security/Weight/Volume/ID No. 1 set และแสดงการติดฉลากตาม Rule 1 set	/	/	/	/	/	
2	Certificate และ Report ตรวจเช็คโครงสร้าง และวัสดุของภาชนะ 1 sheet/ตรวจหาการเปลี่ยนแปลงของภาชนะ CCU ให้กับผู้ให้บริการผู้จำหน่าย และใช้	/	/	/	/	/	
3	เมื่อ "CONTRACTOR'S CCU APPROVAL FOR TRANSPORTATION STUCKER" ได้ถูกใส่ CCU จะต้องมีการแสดง Sticker Inspection Team และแสดงการติดฉลากตาม Rule Color Code ที่ผู้ดูแล	/	/	/	/	/	
4	การติดฉลากของ CCU จะต้องแสดงตาม การติดฉลากที่ระบุ แสดงการติดฉลาก Certificate	/	/	/	/	/	
5	ถ้าภาชนะเป็นแบบที่ปิดของ CCU จะต้องเป็น MOV size CCU	/	/	/	/	/	
6	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
7	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
8	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
9	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
10	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
11	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
12	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
13	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	
14	การติดฉลากของภาชนะ CCU จะต้องแสดงการติดฉลากแสดงการตรวจพบ / ตรวจหา อุปกรณ์ภายในของภาชนะที่ระบุในใบ ตรวจหาการเปลี่ยนแปลง และใบตรวจหาการเปลี่ยนแปลงของภาชนะ	/	/	/	/	/	

Note

Verified By :

12/1/24

Date:

12/1/24

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ภาคผนวก ข-4

Bulk Transferring Operation



PTT Exploration and Production Public Company Limited

PSB Songkhla Operational Manual

Revision No: 01

February 2021



PSB Songkhla Operational Manual

February 2021

Approval Register	
Document Subject	PSB Songkhla Operational Manual
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Prepared by	Kiratikan Chitcharoen

Technical Review			
Name	Title	Signature	Date
	Supervisor, Jetty		5/02/2021
	Supervisor, Warehouse and Material Yard		05/02/21
	Supervisor, Songkhla Facility Management		05-02-2021
	Supervisor, SSHE		5/02/2021
	Team Leader, IT		5/2/2021

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Name	Title	Signature	Date
	Manager, Songkhla Support Base Section		8 Feb. 2021

Revision No. 01

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APPENDIX A: JETTY OPERATION



5. BULK TRANSFERRING OPERATION

5.1 Safety precautions

5.1.1 Shall be conducted Toolbox talk including JSA & HIT (Hazardous Identification Toolbox card) with Bulk operator, vessel's Chief Engineer for discussion regarded procedures Duty/responsibility and any concerns.

5.1.2. Do not loading without approval &. signed by Operation Authority, Safety Authority and Area Authority to completed PTW.

5.1.3. Valid test certificates for silos, pop up, load cell, etc. must be available for inspection when requested by Jetty Officer and/or Safety Officer.

5.1.4. The fuel tank of the compressor must be topped up prior to any loading operation and any excess fuel (diesel) shall not be kept at the silo platform.

5.1.5. Maximum pressure permitted for the transfer is not to exceed 40 PSI (2.7 Bar)

5.1.6. Transfer hoses should be of maximum working pressure of 150 PSI (0.2 bar) and there should be no kink, abrasion and/or wear on the hoses.

5.1.7 Both ends (couplings) should be color-coded using the universal color code scheme. The color code scheme adopted by PTTEP.

5.1.8 Appropriate warning signs to be placed.

5.1.9 Loading to be attended to throughout the operation by contractor and crew.

5.1.10 Drip trays shall be placed below coupling connections for Base Oil loading.

5.1.11 Spill personnel and equipment must be standby throughout loading operation.

5.1.12 Loading operation must be suspended (Stop Work Authority – SWA.) in case of pressure built-up and/or spillage is thoroughly investigated, and the cause(s) of this built-up/ spillage is determined and rectified.

5.1.13 No continuation of loading until spillage has been contained and cleared up.

5.2 Type of Bulk product

- Base oil (Liquid bulk)
- Barite / Bentonite (Dry bulk)
- Blended cement (Dry bulk)



5.3 Prior vessel arriving at PSB Jetty

5.3.1 Bulk Contractor Supervisor/Operator to check following

- Quantity available at each silo and sufficient quantity for loading;
- Check liquid bulk for water contamination by water indicating paste.
- Compressor, adequate fuel for compressor, load cell, hoses, valves, gauges, etc. and ensure that relevant test/inspection certificates are valid and available.

5.3.2 Master of Vessel loading bulk product shall:

- Check quantity in tanks;
- Release pressure in tanks till zero and Clean up tanks if required whilst on

passage to PSB; and

- Check/test system assigned for the bulk loading

5.4 On arrival of vessel alongside

- Vessel tank(s) & system - Bulk Contractor Supervisor/Operator together with vessel's Chief Engineer or his designate are to carry out the following

- Inspect vessel bulk tank(s) assigned for loading;
- For liquid bulk (Base Oil), if tank is partially filled, ascertain the quantity and check content in tank(s) for water contamination. to be recorded accordingly

- Check load cell and Load Cell Calibration Certificate if available;

- If vessel load cell is not calibrated or if Chief Engineer is not certain of accuracy, obtain tank(s) capacity sounding table(s)

- Connect bulk hose to vessel bulk connection coupling making sure that the bulk hose is connected to the correct bulk product (Blended Cement, Barite and Base Oil.) coupling

- Make sure that the connection is properly locked; i.e. using a whip link

- Appropriate filling and vent lines valves to the vessel tank assigned for bulk loading are opened

- For loading of Barite and Cement, vessels without onboard dust collector shall connect the vent lines to a portable dust collector to be supplied by the Bulk Contractors

- Blow compressed air through the filling line to make sure that the appropriate valve(s) is/are opened and that the line to the assigned filling tank(s) is clear



5.5 Shore silo(s) and system - On completion of checking vessel's tank(s) and system, the Bulk Contractor Supervisor/Operator and vessel Chief Engineer or his designate are to check:

- Check bulk (Base Oil) for water contamination by water indicating paste;
- If water is found, no transfer is permitted until the volume/quantity of water contamination is determined and water removed from the tank(s);
- Silo load cell reading for bulk product in assigned tank and record the reading
- If the Chief Engineer or his designated is not satisfy with the reading of the load cell, he may request for a visual inspection or physical sounding of the bulk product in the silo(s).
- A comparison can then be made against both readings to determine its correctness. If reading of the load cell proof to be incorrect, the quantity of bulk product loaded shall be determined by sounding.
- If loading is to be determined by sounding and if vessel's tank(s) is partially filled, the content(s) in this tank(s) must first be determined before loading is to commence.

5.6 Commencement of loading

5.6.1 Prior to loading, the Bulk Contractor Supervisor/Operator and Chief Engineer or his designate shall ensure that personnel are assigned to the stations for immediate shut down in the event of an emergency.

5.6.2 Personnel assigned to these stations must be briefed on their duties and actions to be taken in the event of an emergency shutdown. They shall not leave their stations until the loading operation is completed or properly relief.

5.6.3 When loading Base Oil, the following additional precautions must be taken:

- Drip trays to be placed below the coupling connections;
- Spill response team and equipment to be on standby.

5.6.4 Communication must be maintained between the Bulk Contractor Supervisor /Operator and the vessel's Chief Engineer or his designated at all times throughout the loading operation. In the event communication is lost, loading operation shall cease immediately and will only continue when communication is restored.

5.6.5 For Base Oil, once the receiving vessel is ready to receive the bulk, the Bulk Contractor Supervisor/Operator shall commence the loading at 25% pressure of the delivery rate for 5 to 10 minutes. Not applicable to Bended Cement and Barite as insufficient pressure will cause the bulk product to be blocked

5.6.6 Both the Bulk Contractor Supervisor/Operator and vessel's Chief Engineer or Designate shall check connections for leakage and the bulk is flowing to the assigned tank(s).

5.6.7 On confirmation that the loading is in order, the Bulk Contractor Supervisor/Operator shall increase the pressure gradually to the designed working pressure consistence with accepted safety practices.



5.6.8 Under no circumstances is the transfer to be carried out beyond the designed working pressure.

5.6.9 In the event of any pressure built-up or spillage, the Bulk Contractor Supervisor/Operator shall immediately stop the loading and alert the vessel's Chief Engineer or his designate and Jetty Officer.

5.6.10 Spillage shall be attended to immediately and no transfer until the spillage is cleanup Refer to PSB Emergency and Crisis Response Plan Procedure 1009-PDR-OSB-0001- Revision 00

5.6.11 No loading is to continue after a pressure built-up and/or spillage until a thorough investigation is carried out and the cause of this built-up/spillage is determined and rectified.

5.6.12 The loading operation shall be monitored at all times and personnel assigned to the stations shall remain in their stations until completion of the loading.

5.7 Completion of loading operation

5.7.1 On completion of loading, the Bulk Contractor Supervisor/Operator shall ensure that the hose is clear of bulk before disconnecting.

5.7.2 Both the Bulk Contractor Supervisor/Operator and vessel's Chief Engineer or his designate shall check the quantity loaded by the readings on the shore and vessel loading cells. These reading shall be recorded in the Bulk Loading Receipt.

5.7.3 In addition to item 2 above, when loading Base Oil, the Chief Engineer or his designated person shall check for water contamination using water indicating paste. Any water found must be indicated in the Bulk Loading Receipt.

5.7.4 In the event of any weight shortage dispute, the assigned tank(s) shall be sounded and recorded in the Bulk Loading Receipt.

5.7.5 The Bulk Contractor Supervisor/Operator shall take a sample of the bulk loaded and label the assigned tank(s) as follows:

- Date Loaded
- Tank number#
- Batch number#

5.7.6 Both the Bulk Contractor Supervisor/Operator and vessel's Chief Engineer or his designate shall sign the Bulk Loading Receipt. Jetty Officer shall sign as witness. Any weight shortage and/or water contamination shall be noted in the Bulk Contractor Ticket

5.7.7 The Bulk contractor Supervisor/Operator shall issue the signed Bulk Ticket as follows:

- 1 Original to PSB Jetty
- 1 copy to vessel
- 1 copy retains with contractor

5.7.8 The Bulk Contractor Supervisor/Operator shall ensure that any spillage on the jetty and silo platform is clean up and secured before leaving the area



5.7.9 In the event of a spillage, the Jetty Officer shall submit the Pollution/Spill Report within 6 hours after the spillage has been contained and cleaned.

5.8 Cleanup for spillage on Jetty

In the event of any bulk spillage on the jetty, the bulk contractor is responsible for the immediate cleanup thereof. Spillage washed off the jetty flows into drainage trenches and interceptors; bulk contractors are not only responsible for cleaning the surface of the jetty but also responsible for cleaning the trenches and interceptors.

It is the responsibility of the Jetty Officer to ensure that all affected trenches and interceptors in the vicinity of the wash down have been inspected and the required actions be taken by the contractor. The inspection of trenches and interceptors is to be carried out by the Jetty Officer with the bulk contractor in attendance.

Any bulk residue in the trenches or interceptors that may have resulted from the wash down must be removed immediately. In the event that the spillage is in the form of Base OIL, MGO or any other hazardous liquid substance that may be harmful to the environment, the substance must be treated before being allowed to be discharged into the sea.

5.9 Bulk loading method including

- From Truck/Tanker to Silo Tank
- From Silo Tank to Vessel and
- From Truck/Tanker to vessel

5.9.1 Safety precautions

1) Bulk truck should be properly parked at the designated transfer area.
2) The bulk contractor shall check all hose(s), connections, Cargo pump including any equipment are in good condition, especially Pressure Gauge annual pressure test at 150 PSI (10.3 bar) is required and

- 2.1) Silo tank; Pressure test at 60 psi (4.1bar) every 5 years.
- 2.2) Flexible Hose for Dry bulk; Pressure test at 60 psi (4.1bar) annually
- 2.3) Flexible Hose for Liquid bulk; Pressure test at 150 PSI (10.3 bar)

3) Maximum Working pressure for transferring

- 3.1) Dry bulk from Silo tank to vessel is not exceed 45psi (3.1 bar)
- 3.2) Dry bulk from Truck to vessel is not exceed 30 psi (2.1 bar) and
- 3.3) Liquid bulk from Silo or Truck is not exceed 100 psi (6.9 bar)










- 4) Spill response equipment and Portable Fire extinguisher should standby vicinity operation area and ready for use
- 5) The bulk contractor shall ensure that the appropriate personnel are stationed at the appropriate stations for emergency shutdown and Emergency Stop procedure is required
- 6) No any transfer without permission granted and issued concern document, especially All bulk transfer from truck to vessel.
- 7) Whole transfer operation was operated by contractor and witness by Jetty staff.
- 8) Appropriate warning signs to be placed

5.9.2 Completion of transfer operation

- 1) On completion of transferring, the bulk contractor shall ensure that the hose is clear of pressure & remain bulk before disconnecting.
- 2) The bulk contractor shall be responsible for the transfer operation including the correct quantity transferred.
- 3) In addition to item 2 above, when loading Base Oil, the bulk contractor shall check for water contamination using water indicating paste. Any water found must be recorded and appropriate action taken
- 4) The bulk contractor shall submit to the Jetty Officer the updated quantity in the tanks in order for PSB Radio to update the Daily Bulk Report.

Reference A5 - 1 Color-code scheme

Bulk Product Colour Code

Bulk Product	Colour Band	Connection Type
Potwater	Blue	
Drill water	Green	
Fuel oil (MGO)	Brown	
Barite/Bentonite	Orange	
Base oil	White	
H2S Scavenger	Violet	
Blended Cement	Yellow	



Reference A5 – 2 Checklist – Bulk Transfer to Vessel

Company Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: _____ Berth: _____

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: _____ MT/M³ Qty to transfer: _____ MT/ M³

Date/Time of Transfer: _____

Person In Charge: _____

- | | Yes | No |
|---|--------------------------|--------------------------|
| A Prior to Transfer | | |
| • Checklist quantity in Silo (s) and record in Bulk Receipt | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check Load Cell – Actual/Certificates | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check for water contamination (Base Oil/MGO/H2S Scavenger) | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check: | | |
| ▪ Compressor – Fuel, Air leakage | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Transfer hoses for damage and whip link condition | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Valves and Gauges | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Dust collectors and Filter (fixed and portable) | <input type="checkbox"/> | <input type="checkbox"/> |
| • Conduct JSA/Toolbox Talk/Permit to Work with personnel involved | <input type="checkbox"/> | <input type="checkbox"/> |
| • Drip tray / spill kit and warning sign in place | <input type="checkbox"/> | <input type="checkbox"/> |
| • Emergency shut down drill discussed | <input type="checkbox"/> | <input type="checkbox"/> |
| B Arrival of Vessel | | |
| • Check vessel tanks together with Chief Engineer | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check condition of remaining bulk in tank for contamination | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check valves and hoses connections and ensure that there is no pressure left in the line | <input type="checkbox"/> | <input type="checkbox"/> |
| • Connect transfer hoses – vent line to be connected to dust collector | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check personnel are assigned to their stations and test communication | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check all valves are in open/close positions as required and blow through to check for blockage/leakage | <input type="checkbox"/> | <input type="checkbox"/> |
| • Start transferring at low pressure to check for blockage/leakage | <input type="checkbox"/> | <input type="checkbox"/> |
| C During Transfer | | |
| • Physical check that all personnel are at their assigned stations | <input type="checkbox"/> | <input type="checkbox"/> |
| • Monitor pressure and leakage continuously | <input type="checkbox"/> | <input type="checkbox"/> |
| • Monitor load cell and ensure no overloading | <input type="checkbox"/> | <input type="checkbox"/> |
| • Monitor Air vent line and ensure that there is no product spilled out | <input type="checkbox"/> | <input type="checkbox"/> |
| D Completion of Transfer | | |
| • Check and confirm quantity transferred with Chief Engineer | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check Transfer hoses are empty of bulk prior disconnecting | <input type="checkbox"/> | <input type="checkbox"/> |
| • Take sample of bulk loaded and labeled accordingly | <input type="checkbox"/> | <input type="checkbox"/> |
| • Prepare Bulk Receipt for acknowledgement by Chief Engineer | <input type="checkbox"/> | <input type="checkbox"/> |
| • Send a copy of the Bulk Receipt to Jetty Officer | <input type="checkbox"/> | <input type="checkbox"/> |
| • House keeping a good practice | <input type="checkbox"/> | <input type="checkbox"/> |

Name _____ Signature / Stamp _____

Bulk Contractor _____

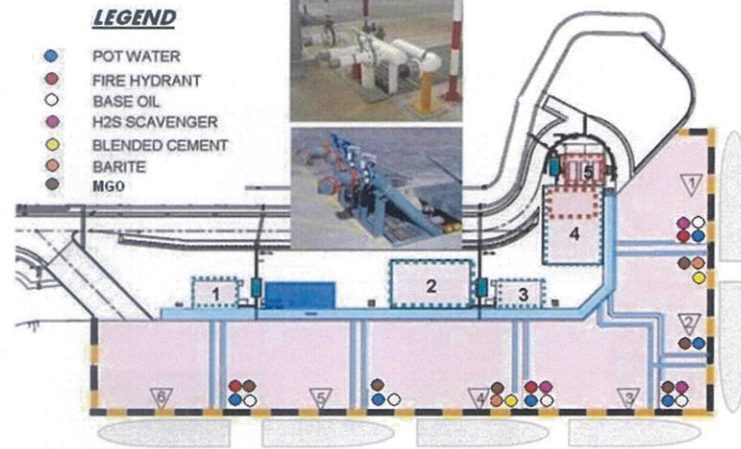
Master/Chief Engineer _____

PSB Jetty _____

* Delete where appropriate

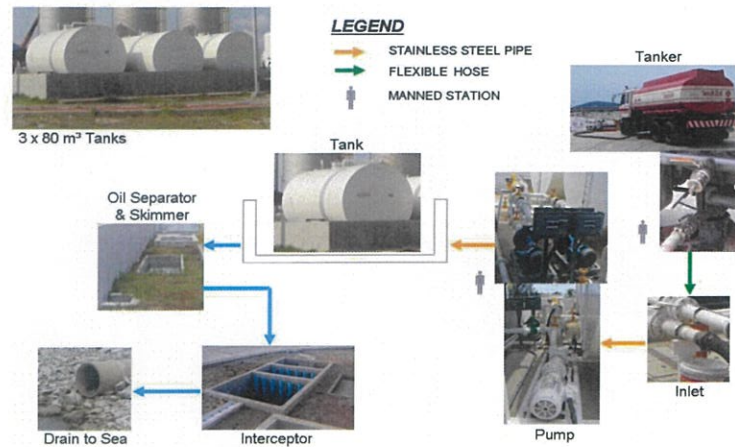
Reference A5 – 3 Berth facility

Berth Facility



Reference A5 – 4 Transfer of Base oil from Truck/Tanker to Tank/Buffer Tank

Bulk Transfer Base Oil – Tanker to Tank

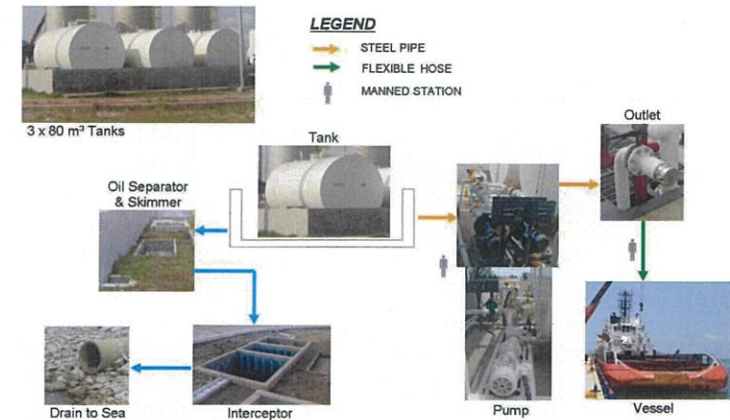


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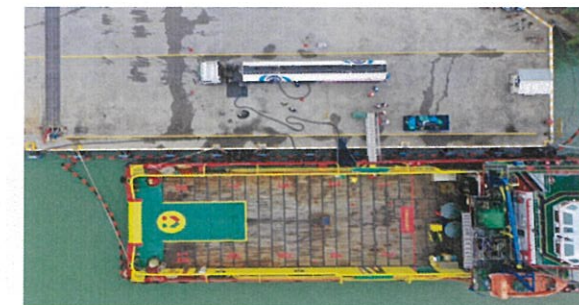
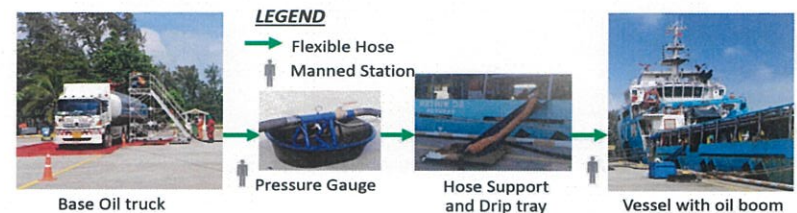
Reference A5 – 5 Transfer of Base oil from Tank/Buffer Tank to Vessel

Bulk Transfer Base Oil – Tank to Vessel



Reference A5 – 6 Transfer of Base oil from Truck to Vessel

Base Oil Transfer – Truck to Vessel

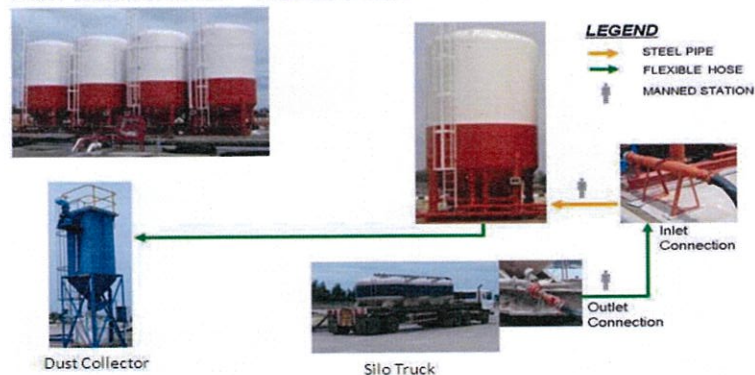


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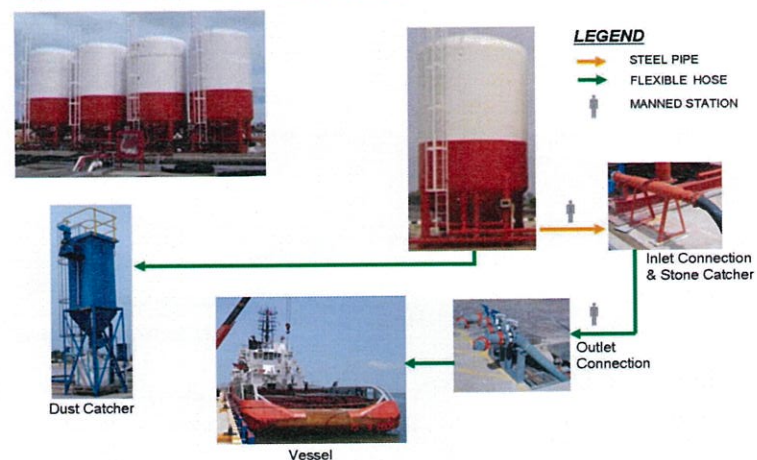
Reference A5 – 7 Transfer of Barite / Bentonite and Blend Cement from Truck to Silo Tank

Bulk Transfer Barite – Truck to Tanks



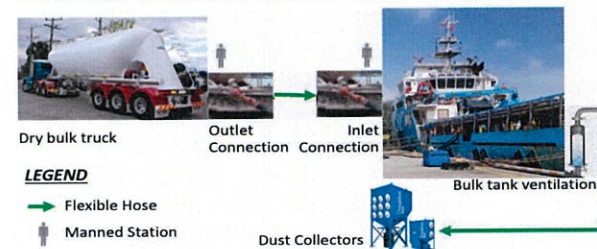
Reference A5 – 8 Transfer of Barite / Bentonite and Blend Cement from Silo Tank to Vessel

Bulk Transfer Barite – Silos to Vessel



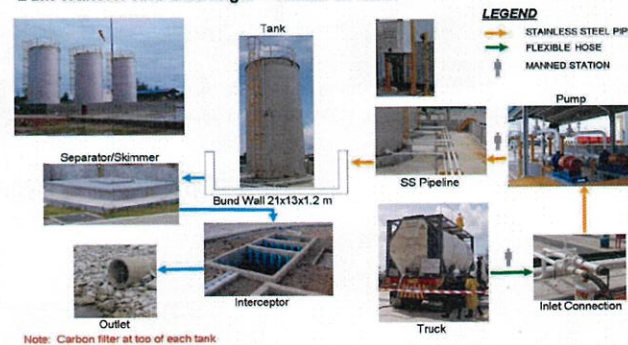
Reference A5 – 9 Transfer of Barite / Bentonite and Blend Cement from Truck to Vessel

Barite and/or Blend Cement Transfer – Truck to Vessel

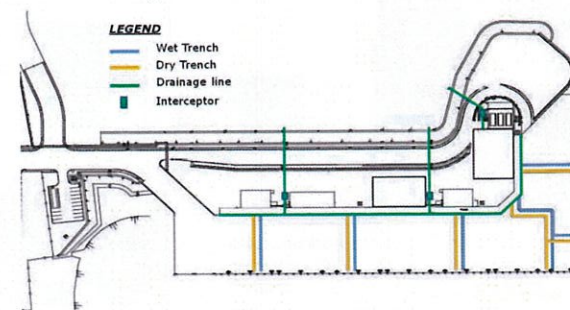


Reference A5 – 10 Transfer of H2S Scavenger

Bulk Transfer H2S Scavenger – Tanker to Tank



Reference A5 – 11 Berth Arrangement





Reference A5 – 12 Checklist – Bulk Transfer from Truck to Silo Tank

Company
Logo **Checklist – Bulk Transfer from Truck to Silo Tank**

Truck No: _____ Platform No: _____

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: _____ MT/M³ Qty to transfer: _____ MT/ M³

Date/Time of Transfer: _____

Person in Charge: _____

- | | Yes | No |
|--|--------------------------|--------------------------|
| A Preparation (Inspection Silo Tank) | | |
| • Checklist quantity in Silo (s) | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check Load Cell – Actual/Certificates | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check for water contamination (Base Oil/MGO/H2S Scavenger) | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check: | | |
| ▪ Transfer hoses for damage and whip link condition | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Valves and Gauges | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Dust collectors and Filter (fixed and portable) in good condition | <input type="checkbox"/> | <input type="checkbox"/> |
| • Conduct JSA/Toolbox Talk with personnel involved | <input type="checkbox"/> | <input type="checkbox"/> |
| • Drip tray / Spill kit and warning sign in place | <input type="checkbox"/> | <input type="checkbox"/> |
| • Emergency shut down drill discussed | <input type="checkbox"/> | <input type="checkbox"/> |
| B Arrival of Bulk Truck (Inspection of Bulk Truck) | | |
| • Check condition of bulk truck in good condition with truck driver | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Check the tire pressure | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Truck engine / Air compressor no leakage of oil | <input type="checkbox"/> | <input type="checkbox"/> |
| ▪ Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work | <input type="checkbox"/> | <input type="checkbox"/> |
| • Ensure that the main hole on the top side closed tightly | <input type="checkbox"/> | <input type="checkbox"/> |
| • Truck bulk is in suitable position for connection between truck hose and inlet of silo tank | <input type="checkbox"/> | <input type="checkbox"/> |
| • Connect transfer hoses & vent line to be connected to dust collector | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check personnel are assigned to their stations and test communication | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check all valves are in open/close positions as required and blow through to check for blockage/leakage | <input type="checkbox"/> | <input type="checkbox"/> |
| C During Transfer | | |
| • Start transferring at low pressure to check for blockage/leakage | <input type="checkbox"/> | <input type="checkbox"/> |
| • Physical check that all personnel are at their assigned stations | <input type="checkbox"/> | <input type="checkbox"/> |
| • Monitor pressure and leakage continuously | <input type="checkbox"/> | <input type="checkbox"/> |
| • Monitor load cell and ensure no overloading | <input type="checkbox"/> | <input type="checkbox"/> |
| • Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out | <input type="checkbox"/> | <input type="checkbox"/> |
| D Completion of Transfer | | |
| • Check and confirm quantity transferred with driver | <input type="checkbox"/> | <input type="checkbox"/> |
| • Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting | <input type="checkbox"/> | <input type="checkbox"/> |
| • House keeping a good practice | <input type="checkbox"/> | <input type="checkbox"/> |

	Name	Signature / Stamp
Bulk Contractor	_____	_____
Truck Driver	_____	_____
PSB Jetty	_____	_____

* Delete where appropriate

ภาคผนวก ข-5

Bunkering by Road Tanker to Vessel



PTT Exploration and Production Public Company Limited

PSB Songkhla Operational Manual

Revision No: 02

September 2021



PSB Songkhla Operational Manual

September 2021

Approval Register	
Document Subject	PSB Songkhla Operational Manual
Document Owner	PSB
Prepared by	Kiratikan Chitcharoen

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Name	Title	Signature	Date
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	Supervisor, Warehouse and Material Yard		22/09/21
	Supervisor, Songkhla Facility Management		22 Sep 21
	Supervisor, SSHE		22nd September 2021
	Team Leader, IT		22 Sep 2021

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Approval Authority			
Name		Signature	Date
	Manager, Songkhla Support Base Section		29 Sep. 2021

This document will be reviewed every 3 years from date of approval or revised earlier if necessary.



5.8 Bunkering by Road Tanker to vessel which alongside PSB Jetty

6.8.1 Roles and responsibilities

6.8.1.1 Vessel / Agent

1) Vessel and/or agent requesting transfer of MGO to vessel at PSB Jetty shall submit a written request to PSB Jetty department at least 6 hours in advance, with the following information:

- 1.1) Name of vessel
- 1.2) Quantity of MGO to be transferred
- 1.3) Number of road tankers (road tanker vehicle number(s), if available)
- 1.4) Date & time of transfer
- 1.5) Duration of transfer
- 1.6) Name of MGO Company
- 1.7) Contact person (name, telephone, mobile, e-mail address)

1) Vessel and/or agent shall be responsible for ensuring that the MGO transport supplied by the company is legal and has the necessary operating licenses. The MGO supplied is obtained legally and that all duty and tax is levied.

2) Vessel and/or agent shall ensure that the MGO supplied company is aware and familiar with PSB standing operating instructions pertaining to transfer of MGO to vessels.

3) Vessel and/or agent shall ensure that the MGO supply company road tanker has the required certified equipment (hoses, couplings to connect to vessel, drip tray, etc.)

4) Master/Chief Engineer of the receiving vessel shall ensure that his vessel is able to receive the quantity of MGO to be transfer and that the vessel is in all aspects ready for the transfer.

5) The assigned tank(s) for receiving the MGO is identified and ready.

6) Vessel and/or agent shall be responsible for the type and quantity of MGO transferred to the vessel.

7) No loading shall be permitted without approved Work Permit from Safety Department. Applicable to H2S Scavenger & Base Oil only.

Note: Vessel and/or agent shall be responsible for the correct type and quantity of MGO supplied by the MGO supply company. PSB shall not be in any way held responsible for the type and quantity of MGO supplied to vessel by vessel and/or agent MGO Supply Company.



6.8.1.2 MGO Supply company

- 1) The MGO supply company shall ensure that its road tankers are road worthy and have the required operating licenses.
- 2) The MGO supply company shall ensure that its road tankers have the required certified equipment (hoses, couplings to connect, Pressure gauge, etc.)
- 3) PSB reserve the right to prohibit road tankers that are not roadworthy, or do not have the required operating licenses and/or certified equipment
- 4) MGO Supply Company shall ensure that its road tanker operator(s) reports to the Duty Jetty Officer on arrival and before commencement of transfer operations.
- 5) Road tanker operator must submit to the Jetty Officer a copy of the Company's Standard Operating Procedure for the transferring of MGO.

6.8.1.3 PSB Jetty Officer

- 1) Check and ensure that the road tanker is in good condition and valid certified.
- 2) Inspect the following equipment
 - 2.1) Transfer hose(s) – no damage (excessive wear and tear, etc.) -and pressure test 150 PSI annually with valid certificate
 - 2.2) End connection couplings & whip check
 - 2.3) Transfer pump(s)
 - 2.4) Drip tray – sufficient capacity to hold 100% of MGO in transfer hose
 - 2.5) Pressure Gauge with pressure test 150 PSI annually and valid certificate
- 3) Once satisfied of items 1) & 2) above, the Jetty Officer shall conduct a Job Safety Analysis (JSA) with the Master/Chief engineer of receiving vessel, road tanker operator(s) and jetty crew assigned for the transfer. The JSA shall cover all existing or potential safety and health hazards associated with each step of the work and also issued HIT card (Hazardous Identification Toolbox).
- 4) The Jetty Officer shall ensure the following precautionary measures are taken and check them against the Checklist.



6.8.2 Method of Bunkering by road tanker to vessel.

6.8.2.1 Before transfer

- 1) Put up safety signs with Flag Bravo/Red Flashing Lights in vicinity of bunkering operation – **BUNKERING IN PROGRESS. NO SMOKING.**
- 2) Establish communication procedure between all parties (Jetty Officer, vessel's Master/Chief Engineer and road tanker operator).
- 3) Instruct road tanker operator and Master/Chief Engineer of receiving vessel to connect hoses.
- 4) Inspect hose connections and ensure that they are properly connected.
- 5) Valves to the assigned tank(s) are in good working condition and open as required.
- 6) Place drip tray below the road tanker's discharge outlet and vessel's intake connections as well as any connection along the transfer hoses.
- 7) Ensure Co2 and/or foam extinguishers are strategically placed at the transfer area.
- 8) Ensure personnel are assigned to the shut off valves both on the road tanker and vessel. Personnel assigned to these stations must be briefed on their duties and actions to be taken in the event of an emergency shutdown. They shall not leave their stations until the loading operation is completed or they are properly relieved.
- 9) Ensure the following oil spill equipment is on standby;
 - 9.1) Backpack dispersant sprayer – 2 units
 - 9.2) Oil containment boom – 100 meters
 - 9.3) Oil spill response boat
- 10) Vessel flies the International Day/Night Signals on the main mast – Day Flag Bravo and at night a flashing red light.
- 11) Bunkering operation warning to be broadcast throughout the vessel.
- 12) Bunkering operation period 0600 2000 hrs. Commencement shall be started before end of daylight and able to continue in night time with additional precaution / measurement.



6.8.2.2 During Transfer

- 1) Check hose connections again to ensure that they are properly connected.
- 2) Check with Master/Chief Engineer receiving vessel that they are ready to commence transfer.
- 3) Ensure communication between all parties is maintained at all times throughout the transfer operation. In the event of lost communication, transfer operation shall cease immediately and will only continue when communication is restored.
- 4) Instruct road tanker operator to commence transfer at 25% of transfer rate and check for leakage on connections and along entire length of hose and confirm MGO received by sounding & Pressure monitoring.
- 5) The maximum pressure permitted for transferring is not to exceed 40 psi (2.7 bar) (SWL for flexible hose is 150 psi/ 10 bar)
- 6) Check drip tray is below connections and drips (if any) are collected in the drip tray and drip tray is not full. Replace if required
- 7) Gradually increase transfer rate if no leakage is detected
- 8) Continue checking all connections and hose for leakage and monitoring of transfer operations including Pressure check frequently. The transfer operation shall be monitored at all times and personnel assigned to the stations shall remain at their stations until completion of the loading.
- 9) Ensure Regular broadcasts of bunkering operation throughout the vessel.
- 10) Under no circumstances is the transfer to be carried out beyond the designed working pressure.
- 11) In case of any pressure build-up by pressure gauge monitoring or spillage, the road tanker operator shall immediately stop the transfer and alert the vessel's Master/Chief Eng. and the Jetty Officer.
- 12) No transfer is to continue after a pressure build-up and/or spillage until a thorough investigation is carried out and the cause of this build-up/spillage is determined and rectified.
- 13) Spillage shall be attended to immediately and do not transfer until properly cleanup Refer to PDR-SSHE-WIS-50103-R00 PSB Jetty Oil Spill Response Plan.
- 14) Master/Chief Engineer of receiving vessel to monitor tank being filled and to report when tank is at 75% capacity.



- 15) Reduce transfer rate when tank is at 90% capacity. This is a critical period and transfer rate should be adjusted accordingly.
 - 16) Stop transfer when instructed by Master/Chief Engineer of receiving vessel.
- 6.8.2.3 Completion of transfer
- 1) Stop pump and shut off discharge valve(s).
 - 2) Check and ensure that pressure is "zero"
 - 3) Check and ensure no MGO remains in transfer hose.
 - 4) Disconnect hose coupling from road tanker making sure the drip tray is in place.
 - 5) Disconnect connection coupling at vessel making sure drip tray is in place.
 - 6) Remove all International Day/Night Signals from the main mast – Day Flag Bravo and at night a flashing red light.
 - 7) The Jetty Officer shall ensure that any spillage on the transfer area is cleaned up before leaving the area.
 - 8) In the event of a spillage, the Duty Jetty Officer shall submit the Pollution/Spill Report within 6 hours after the spillage has been contained and cleaned.
 - 9) A copy of the receipt shall be given to the Jetty Officer.

Note: Vessel and/or agent shall be responsible for the correct type and quantity of MGO supplied by the MGO supply company. PSB shall not be in any way held responsible for the type and quantity of MGO supplied to the vessel by vessel and/or agent MGO supply company.

Reference A6.8 - 1 -MGO. Transfer system

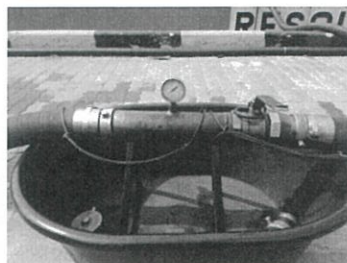
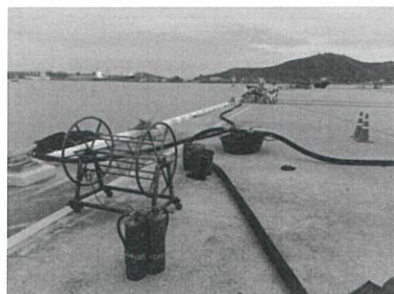
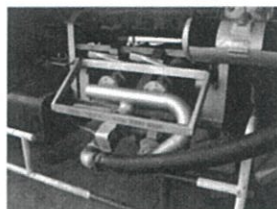
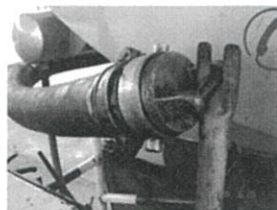
MGO Truck System



Tanker must have all valid licenses and be in good working condition



Valves and all connection should be in good working condition



Installation Pressure Gauge at Truck side & Ship side

Reference A6.8 - 2 Job Safety Analysis (JSA)

[illegible][illegible]



APPENDIX A: JETTY OPERATION

Reference A6.8 - 3 MGO Transfer Checklist



MGO Transfer Checklist

Name of Vessel	Date of Transfer
Berth #	Time of Transfer
Task	(✓) Remarks (If Unacceptable)
A Before transfer	
1 Check road tanker in good condition	
2 Check road tanker in equipment	
a Transfer pump	
b Transfer hose(s) for damages / wear	
c Connection couplings	
d Grounding line connect both side	
3 Check vessel	
a Assigned tank(s) capacity	
b Discharge valve (s) in good working order	
c International Day/Night Signals displayed on main mast	
4 Check connections at road tanker and vessel properly secured include complete install whip line	
5 Ensure drip trays placed below all connections	
6 Co2 / Foam fire extinguishers at transfer area	
7 Fire Fighting System	
8 Safety signs place at transfer area	
9 Safety board not allow electrical equipment use	
10 Communication between parties arranged	
11 Job Safety Analysis (JSA) carried out	
12 Personnel assigned for emergency Shutdown	
13 Oil Spill Equipment in place	
a Backpack dispersant sprayer - 2 units	
b Oil containment Boom	
c Oil spill response boat available	
15 Vessel broadcast oil transfer message	
B During Transfer	
1 Check road transport operator and vessel ready to commence	
2 Check valves intake valves open	
3 Check assigned emergency shutdown personnel at their stations	
4 Start transfer at 25 % of transfer rate	
5 Check connections and hose for leak	
6 Increase transfer rate gradually to maximum	
7 Check connections and hose for leak and continue monitoring	
8 Ensure communication with all parties at all time	
9 Monitor working pressure and look out for pressure increase - stop if above working pressure	




APPENDIX A: JETTY OPERATION

MGO Transfer Checklist	
Name of Vessel	Date of Transfer
Berth #	Time of Transfer
Task	(✓) Remarks (If Unacceptable)
C Completion of Transfer	
1 Stop transfer pump and shut off discharge valve(s)	
2 Check and ensure no MGO remaining in transfer hose	
3 Disconnect connection coupling at road tanker making sure drip tray in place	
4 Disconnect connection coupling at vessel making sure drip tray in place	
5 Removal all International Day/Night Signals from the main mast - Day Flag Bravo and at night a flashing red light.	
6 Ensure that any spillage on the transfer area is clean up before leaving the area	
7 In the event of spillage, Duty Jetty Officer to submit the Pollution/Spill Report.	
8 Collect Transfer quantity receipt from road tanker operator	



Reference A6.8 - 4 Pollution/Spill Report

 Pollution / Spill Report		Code: SP.PHS.003/03-R1
Report No. (No./Year/Site) _____/_____/_____ Associated Accident / Incident Ref. No.: _____/_____/_____		Revision No. 1
SEE POLICIES AND PROCEDURES MANUAL Part 53 - Reporting Incidents, Unusual Accidents and Environmental Reporting, Investigation and Analysis (Appendix A)		Effective date: March 2003
		Page 1 of 1
Part 1 - To be completed by witness or person reporting		
Sent by: _____		
To: _____		
cc: _____ Offshore OIM Representative (Offshore only)		
Subject: _____ Notification of hydrocarbon pollution or spill		
1. Name of reporter: _____ Position: _____		
2. Name of installation / site / field / ship / barge / tanker: _____		
3. Name of company: _____		
4. Date and time of observation: _____		
5. Position of pollution (give coordinates, etc.) _____		
6. Estimated pollution quantity (tob): _____		
7. Estimated pollution area (length x width): _____		
8. Characteristics of pollution (i.e. oil, diesel, condensate, colour, appearance) _____		
9. Name of spill source / vessel: _____		
10. Spill source / vessel's nationality or port: _____		
11. Description of spill source / vessel (type, colour, funnel marking, flag) _____		
12. Vessel course and speed: _____		
13. Photographs taken? (Yes/No): _____		
14. Samples taken? (Yes/No): _____		
15. Wind direction and speed: _____		
16. Current and tide: _____		
17. Sea state and visibility: _____		
18. Direction and speed of pollution drift: _____		
19. Weather forecast: _____		
20. Any actions taken (to be taken) to combat the pollution or stop the source: _____		
21. Additional information: _____		
Part 2 - Site Safety Comment		
Name: _____ Position: _____ Signature: _____ Date: _____		
Part 3 - Site Manager/Representative Comment and Acknowledgement		
Name: _____ Position: _____ Signature: _____ Date: _____		

ภาคผนวก ข-6

Bulk Transfer Checklist

Bulk Transfer to Vessel

Company Checklist – Bulk Transfer to Vessel

Logo
Vessel Name: BOURBON PIET Berth: 5
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 150 MT/M³
Date/Time of Transfer: 1/1/24 18:10 - 20:00
Person in Charge: Phat Kongworn

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: Phat Kongworn
Signature / Stamp

Stamp: SONGKHLA
REGISTRATION NO: 37
CALL NO: 02-422
GR: 1733 NRT: 519

Company Checklist – Bulk Transfer to Vessel

Logo
Vessel Name: TC VIKOUR Berth: 4
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 150 MT/M³
Date/Time of Transfer: 1/1/24 19:35 - 20:00
Person in Charge: Phat Kongworn

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: Phat Kongworn
Signature / Stamp

Stamp: SONGKHLA
REGISTRATION NO: 37
CALL NO: 02-422
GR: 1733 NRT: 519

Company Checklist – Bulk Transfer to Vessel

Logo
Vessel Name: BAHTERA MAKMUR Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 50.00 MT/M³
Date/Time of Transfer: 20/1/24
Person in Charge: THANAWORN K.

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Ce
 - Check for water contaminat (MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for d
 - Whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/P
 - Drip tray / spill kit and warn
 - Emergency shut down drill
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: DIALOG
Signature / Stamp

Stamp: SONGKHLA
REGISTRATION NO: 37
CALL NO: 02-422
GR: 1733 NRT: 519

Company Checklist – Bulk Transfer to Vessel

Logo
Vessel Name: BAHTERA MULIA Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 50.00 MT/M³
Date/Time of Transfer: 22/1/24
Person in Charge: THANAWORN K.

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: DIALOG
Signature / Stamp

Stamp: SONGKHLA
REGISTRATION NO: 37
CALL NO: 02-422
GR: 1733 NRT: 519



Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: TC Vigour Berth: 6
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 90 MT/M³
Date/Time of Transfer: 06/01/2024
Person in Charge: REONGSAH N.

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: REONGSAH N.
Signature / Stamp
BLAG: REONGSAH N.
IMO: 93001280
CALL SIGN: XV887
BHP: 2332089
ORT: 6000KW

Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: SC WINTER Berth: 4
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 150 MT/M³
Date/Time of Transfer: 27/02/24 C 19:20-20:30
Person in Charge: Phon KONGKATIN

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: Phon KONGKATIN
Signature / Stamp
BLAG: PHON KONGKATIN
IMO: 93001280
CALL SIGN: XV887
BHP: 2332089
ORT: 6000KW

Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BOS CHALLENGE Berth: 4
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 150 MT/M³
Date/Time of Transfer: 27/02/24 C 14:05-15:25
Person in Charge: Phon KONGKATIN

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: Phon KONGKATIN
Signature / Stamp
BOS CHALLENGE
Official No: 17800000
ORT: 2332
NRT: 716
Call Sign: XV887
Port of Registry: Singapore



Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BB. Kaimook Berth: 8
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 50 MT/M³
Date/Time of Transfer: 27/02/24
Person in Charge: REONGSAH N.

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty
* Delete where appropriate

Name: REONGSAH N.
Signature / Stamp
BOURBON KAIMOOK
Official No: 93001280
ORT: 2332
NRT: 716
Call Sign: XV887
Port of Registry: Singapore



Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BB Liberty 209 Berth: 3
Type: Cement/Berlite/Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 30 MT/M³
Date/Time of Transfer: _____
Person in Charge: _____

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate

Name
BORMSAH

Signature / Stamp



Company
Logo

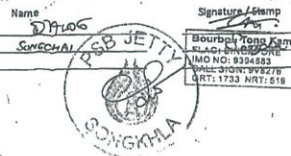
Checklist - Bulk Transfer to Vessel

Vessel Name: B2 TOMOKAM Berth: 4
Type: Base Oil / H2S Scavenger / MGO
Qty in Silos: 90 MT/M³ Qty to transfer: 90 MT/M³
Date/Time of Transfer: 8/2/24
Person in Charge: THAN

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate



Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BOS CHAMPION Berth: 4
Type: Cement/Berlite/Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 35 MT/M³
Date/Time of Transfer: 2/3/24 C 14:45 - 20:20
Person in Charge: Prasit Kongwatin

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate



Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BOURBON TONG KAM Berth: 4
Type: Cement/Berlite/Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 100 MT/M³
Date/Time of Transfer: 2/3/24 C 14:10 - 15:00
Person in Charge: Prasit Kongwatin

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate





Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: Tan Cang 89 Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty In Silos: 0 MT/M³ Qty to transfer: 60 MT/M³
Date/Time of Transfer: 05/03/2024
Person In Charge: SEAMSAN

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor: SEAMSAN
Master/Chief Engineer: [Signature]
PSB Jetty: [Signature]
* Delete where appropriate

Signature / Stamp
ORT: 2310
NRT: 693
BHP: 10800

Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BOS CHAMPION Berth: 4
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty In Silos: 90 MT/M³ Qty to transfer: 90 MT/M³
Date/Time of Transfer: 21/03/24
Person In Charge: BWAM

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor: DALOS
Master/Chief Engineer: [Signature]
PSB Jetty: [Signature]
* Delete where appropriate

Signature / Stamp
BOS-CHAMPION
Official No: 880363
IMO No: 8749625
GRT: 2387
NRT: 718
Call sign: EY3598
Port of Registry: Singapore

Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: SL BONGKOT Berth: 1
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty In Silos: 0 MT/M³ Qty to transfer: 90 MT/M³
Date/Time of Transfer: 20/01/24
Person In Charge: BWAM

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor: DALOS
Master/Chief Engineer: [Signature]
PSB Jetty: [Signature]
* Delete where appropriate

Signature / Stamp
PSB JETTY
BONGKOT
CALL SIGN: HSB 8282
IMO NO: 9721616
OFF NO: 600005337
GRT/NRT: 2332/898

Company
Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BB GOMEN Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty In Silos: 91.5 MT/M³ Qty to transfer: 91.5 MT/M³
Date/Time of Transfer: 21/03/24
Person In Charge: BWAM

- A Prior to Transfer
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses - vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor: DALOS
Master/Chief Engineer: PONGSANKHAN W.
PSB Jetty: [Signature]
* Delete where appropriate

Signature / Stamp
PSB JETTY
BONGKOT
CALL SIGN: HSB 8282
IMO NO: 9721616
OFF NO: 600005337
GRT/NRT: 2332/898

Company

Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BOHTERA MUA Berth: 3

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty In Silos: 0 MT/M³ Qty to transfer: 80 MT/M³Date/Time of Transfer: 04/04/24Person In Charge: BOHTERA

A Prior to Transfer

- Checklist quantity in Silo (s) and record in Bulk Receipt
- Check Load Cell - Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)

- Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
- Drip tray / spill kit and warning sign in place
- Emergency shut down drill discussed

B Arrival of Vessel

- Check vessel tanks together with Chief Engineer
- Check condition of remaining bulk in tank for contamination
- Check valves and hoses connections and ensure that there is no pressure left in the line
- Connect transfer hoses - vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- Start transferring at low pressure to check for blockage/leakage

C During Transfer

- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1 bar)
- Monitor load cell and ensure no overloading
- Monitor Air vent line and ensure that there is no product spilled out

D Completion of Transfer

- Check and confirm quantity transferred with Chief Engineer
- Check Transfer hoses are empty of bulk prior disconnecting
- Take sample of bulk loaded and labeled accordingly
- Prepare Bulk Receipt for acknowledgement by Chief Engineer
- Send a copy of the Bulk Receipt to Jetty Officer
- House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name: BOHTERA
Signature / Stamp
Official No. 972535
GRT 1718
NRT 9V3689
Port of Registry: Singapore



Company

Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BOS CHALLENGE Berth: 4

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty In Silos: 0 MT/M³ Qty to transfer: 30 MT/M³Date/Time of Transfer: 14/04/2024Person In Charge: SERMSAN N.

A Prior to Transfer

- Checklist quantity in Silo (s) and record in Bulk Receipt
- Check Load Cell - Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)

- Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
- Drip tray / spill kit and warning sign in place
- Emergency shut down drill discussed

B Arrival of Vessel

- Check vessel tanks together with Chief Engineer
- Check condition of remaining bulk in tank for contamination
- Check valves and hoses connections and ensure that there is no pressure left in the line
- Connect transfer hoses - vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- Start transferring at low pressure to check for blockage/leakage

C During Transfer

- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1 bar)
- Monitor load cell and ensure no overloading
- Monitor Air vent line and ensure that there is no product spilled out

D Completion of Transfer

- Check and confirm quantity transferred with Chief Engineer
- Check Transfer hoses are empty of bulk prior disconnecting
- Take sample of bulk loaded and labeled accordingly
- Prepare Bulk Receipt for acknowledgement by Chief Engineer
- Send a copy of the Bulk Receipt to Jetty Officer
- House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name: SERMSAN N.
Signature / Stamp
Official No. 972535
GRT 1718
NRT 9V3689
Port of Registry: Singapore



Company

Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: BOS CHAMPION Berth: 4

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty In Silos: 0 MT/M³ Qty to transfer: 15 MT/M³Date/Time of Transfer: 15/04/24Person In Charge: THANACHAI W

A Prior to Transfer

- Checklist quantity in Silo (s) and record in Bulk Receipt
- Check Load Cell - Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)

- Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
- Drip tray / spill kit and warning sign in place
- Emergency shut down drill discussed

B Arrival of Vessel

- Check vessel tanks together with Chief Engineer
- Check condition of remaining bulk in tank for contamination
- Check valves and hoses connections and ensure that there is no pressure left in the line
- Connect transfer hoses - vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- Start transferring at low pressure to check for blockage/leakage

C During Transfer

- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1 bar)
- Monitor load cell and ensure no overloading
- Monitor Air vent line and ensure that there is no product spilled out

D Completion of Transfer

- Check and confirm quantity transferred with Chief Engineer
- Check Transfer hoses are empty of bulk prior disconnecting
- Take sample of bulk loaded and labeled accordingly
- Prepare Bulk Receipt for acknowledgement by Chief Engineer
- Send a copy of the Bulk Receipt to Jetty Officer
- House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name: THANACHAI W
Signature / Stamp
Official No. 972535
GRT 1718
NRT 9V3689
Port of Registry: Singapore

Company

Logo

Checklist - Bulk Transfer to Vessel

Vessel Name: VDS CHALLENGE Berth: 4

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty In Silos: 0 MT/M³ Qty to transfer: 150 MT/M³Date/Time of Transfer: 15/04/24 08:00 - 14:15Person In Charge: Phasit Kongwatin

A Prior to Transfer

- Checklist quantity in Silo (s) and record in Bulk Receipt
- Check Load Cell - Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Compressor - Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)

- Conduct ISA/Toolbox Talk/Permit to Work with personnel involved
- Drip tray / spill kit and warning sign in place
- Emergency shut down drill discussed

B Arrival of Vessel

- Check vessel tanks together with Chief Engineer
- Check condition of remaining bulk in tank for contamination
- Check valves and hoses connections and ensure that there is no pressure left in the line
- Connect transfer hoses - vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- Start transferring at low pressure to check for blockage/leakage

C During Transfer

- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1 bar)
- Monitor load cell and ensure no overloading
- Monitor Air vent line and ensure that there is no product spilled out

D Completion of Transfer

- Check and confirm quantity transferred with Chief Engineer
- Check Transfer hoses are empty of bulk prior disconnecting
- Take sample of bulk loaded and labeled accordingly
- Prepare Bulk Receipt for acknowledgement by Chief Engineer
- Send a copy of the Bulk Receipt to Jetty Officer
- House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name: Phasit Kongwatin
Signature / Stamp
Official No. 972535
GRT 1718
NRT 9V3689
Port of Registry: Singapore



Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: SC BONGHOT Berth: 4
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 40 MT/M³
Date/Time of Transfer: 15/05/2024
Person In Charge: SEMSAN N.

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate

Name: SEMSAN N.
Signature / Stamp: [Signature]
M.V. SC BONGHOT
PORT REGISTRY: SINGAPORE
GRT/NRT: 157/051
SHIP: 15150



Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: SC EMERALD Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 80 MT/M³
Date/Time of Transfer: 16/05/2024
Person In Charge: SEMSAN N.

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate

Name: SEMSAN N.
Signature / Stamp: [Signature]
M.V. SC EMERALD
PORT REGISTRY: SINGAPORE
GRT/NRT: 157/051
SHIP: 15150

Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: KOURBON OCMEN Berth: 4
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 150 MT/M³
Date/Time of Transfer: 10/5/24 16:40 - 20:40
Person In Charge: Phong Longmanin

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate

Name: Phong Longmanin
Signature / Stamp: [Signature]
M.V. KOURBON OCMEN
PORT REGISTRY: SINGAPORE
GRT/NRT: 157/051
SHIP: 15150

Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: TC SAPPHERE Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT/M³ Qty to transfer: 190 MT/M³
Date/Time of Transfer: 10/5/24 09:15 - 08:05
Person In Charge: Phong Longmanin

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor
Master/Chief Engineer
PSB Jetty

* Delete where appropriate

Name: Phong Longmanin
Signature / Stamp: [Signature]
M.V. TC SAPPHERE
PORT REGISTRY: SINGAPORE
GRT/NRT: 1483 / 439
SHIP: 15150

Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: BAHTERA MULIA Berth: 4
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 80 MT(M) Qty to transfer: 80 MT(M)
Date/Time of Transfer: 16/12/24
Person in Charge: TAWATI

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name DALOG

Signature / Stamp



Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: BAHTERA MULIA Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 0 MT(M) Qty to transfer: 80 MT(M)
Date/Time of Transfer: 16/12/24
Person in Charge: SERMSAN N

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
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 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name SERMSAN N

Signature / Stamp



Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: BF GOMEN Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 80 MT(M) Qty to transfer: 80 MT(M)
Date/Time of Transfer: 16/12/24
Person in Charge: TAWATI

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name DALOG

Signature / Stamp



Company
Logo

Checklist – Bulk Transfer to Vessel

Vessel Name: BAHTERA MULIA Berth: 3
Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silos: 80 MT(M) Qty to transfer: 80 MT(M)
Date/Time of Transfer: 14/12/24
Person in Charge: TAWATI

- A Prior to Transfer**
- Checklist quantity in Silo (s) and record in Bulk Receipt
 - Check Load Cell – Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Compressor – Fuel, Air leakage
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable)
 - Conduct JSA/Toolbox Talk/Permit to Work with personnel involved
 - Drip tray / spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Vessel**
- Check vessel tanks together with Chief Engineer
 - Check condition of remaining bulk in tank for contamination
 - Check valves and hoses connections and ensure that there is no pressure left in the line
 - Connect transfer hoses – vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
 - Start transferring at low pressure to check for blockage/leakage
- C During Transfer**
- Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor Air vent line and ensure that there is no product spilled out
- D Completion of Transfer**
- Check and confirm quantity transferred with Chief Engineer
 - Check Transfer hoses are empty of bulk prior disconnecting
 - Take sample of bulk loaded and labeled accordingly
 - Prepare Bulk Receipt for acknowledgement by Chief Engineer
 - Send a copy of the Bulk Receipt to Jetty Officer
 - House keeping a good practice

Bulk Contractor

Master/Chief Engineer

PSB Jetty

* Delete where appropriate

Name DALOG

Signature / Stamp



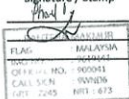
Company Logo
Checklist – Bulk Transfer to Vessel

Vessel Name: BANTERA ANAKMUR Berth: 3
 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 0 MT/M³ Qty to transfer: 150 MT/M³
 Date/Time of Transfer: 23/6/24 C 16:25 - 17:40
 Person In Charge: Prad Kongwat

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| A Prior to Transfer | | |
| • Checklist quantity in Silo (s) and record in Bulk Receipt | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check Load Cell – Actual/Certificates | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check for water contamination (Base Oil/MGO/H2S Scavenger) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check: | | |
| ▪ Compressor – Fuel, Air leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Transfer hoses for damage and whip link condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Valves and Gauges | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Dust collectors and Filter (fixed and portable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Conduct JSA/Toolbox Talk/Permit to Work with personnel involved | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Drip tray / spill kit and warning sign in place | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Emergency shut down drill discussed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| B Arrival of Vessel | | |
| • Check vessel tanks together with Chief Engineer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check condition of remaining bulk in tank for contamination | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check valves and hoses connections and ensure that there is no pressure left in the line | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Connect transfer hoses – vent line to be connected to dust collector | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check personnel are assigned to their stations and test communication | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check all valves are in open/close positions as required and blow through to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Start transferring at low pressure to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| C During Transfer | | |
| • Physical check that all personnel are at their assigned stations | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor load cell and ensure no overloading | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor Air vent line and ensure that there is no product spilled out | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| D Completion of Transfer | | |
| • Check and confirm quantity transferred with Chief Engineer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check Transfer hoses are empty of bulk prior disconnecting | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Take sample of bulk loaded and labeled accordingly | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Prepare Bulk Receipt for acknowledgement by Chief Engineer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Send a copy of the Bulk Receipt to Jetty Officer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • House keeping a good practice | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Bulk Contractor Name Prad Kongwat
 Master/Chief Engineer Prad Kongwat
 PSB Jetty Prad Kongwat
 * Delete where appropriate

Signature / Stamp



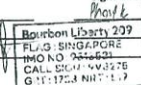
Company Logo
Checklist – Bulk Transfer to Vessel

Vessel Name: BB LIBERTY 209 Berth: 4
 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 0 MT/M³ Qty to transfer: 50 MT/M³
 Date/Time of Transfer: 23/6/24 C 14:15 - 14:55
 Person In Charge: Prad Kongwat

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| A Prior to Transfer | | |
| • Checklist quantity in Silo (s) and record in Bulk Receipt | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check Load Cell – Actual/Certificates | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check for water contamination (Base Oil/MGO/H2S Scavenger) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check: | | |
| ▪ Compressor – Fuel, Air leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Transfer hoses for damage and whip link condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Valves and Gauges | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Dust collectors and Filter (fixed and portable) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Conduct JSA/Toolbox Talk/Permit to Work with personnel involved | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Drip tray / spill kit and warning sign in place | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Emergency shut down drill discussed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| B Arrival of Vessel | | |
| • Check vessel tanks together with Chief Engineer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check condition of remaining bulk in tank for contamination | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check valves and hoses connections and ensure that there is no pressure left in the line | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Connect transfer hoses – vent line to be connected to dust collector | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check personnel are assigned to their stations and test communication | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check all valves are in open/close positions as required and blow through to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Start transferring at low pressure to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| C During Transfer | | |
| • Physical check that all personnel are at their assigned stations | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor load cell and ensure no overloading | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor Air vent line and ensure that there is no product spilled out | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| D Completion of Transfer | | |
| • Check and confirm quantity transferred with Chief Engineer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check Transfer hoses are empty of bulk prior disconnecting | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Take sample of bulk loaded and labeled accordingly | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Prepare Bulk Receipt for acknowledgement by Chief Engineer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Send a copy of the Bulk Receipt to Jetty Officer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • House keeping a good practice | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Bulk Contractor Name Prad Kongwat
 Master/Chief Engineer Prad Kongwat
 PSB Jetty Prad Kongwat
 * Delete where appropriate

Signature / Stamp



Bulk Transfer from Truck to Silo Tank

Schlumberger

Company Checklist – Bulk Transfer from Truck to Silo Tank 1-2

Truck No: 71-1649-71-7601 Platform No: #2
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 43 MT/M³ Qty to transfer: 35 MT/M³
 Date/Time of Transfer: 01/01/24
 Person In Charge: Thawatchai

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor Thawatchai Name Thawatchai Signature / Stamp [Signature]
 Truck Driver [Signature]
 PSB Jetty [Signature]
 * Delete where appropriate

Schlumberger

Company Checklist – Bulk Transfer from Truck to Silo Tank 1-1

Truck No: 71-7590-604 Platform No: #2
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 9 MT/M³ Qty to transfer: 35 MT/M³
 Date/Time of Transfer: 07-01-2024
 Person In Charge: Jakpattana

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor Jakpattana Name Jakpattana Signature / Stamp [Signature]
 Truck Driver [Signature]
 PSB Jetty [Signature]
 * Delete where appropriate

Company Checklist – Bulk Transfer from Truck to Silo Tank 1-2

Truck No: 41-5047-24 Platform No: 3
 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 20 MT/M³ Qty to transfer: 65 MT/M³
 Date/Time of Transfer: 21/01/24
 Person In Charge: Wacharin

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor Wacharin Name Wacharin Signature / Stamp [Signature]
 Truck Driver [Signature]
 PSB Jetty [Signature]
 * Delete where appropriate

Company Checklist – Bulk Transfer from Truck to Silo Tank 1-1

Truck No: 41-8571-24 Platform No: 3
 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 6 MT/M³ Qty to transfer: 65 MT/M³
 Date/Time of Transfer: 21/01/24
 Person In Charge: Wacharin

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor Wacharin Name Wacharin Signature / Stamp [Signature]
 Truck Driver [Signature]
 PSB Jetty [Signature]
 * Delete where appropriate



APPENDIX A: JETTY OPERATION

Reference A4.3 – 6 Checklist – Bulk Transfer from Truck to Silo Tank

Company Checklist – Bulk Transfer from Truck to Silo Tank - A

Truck No: 72-1197, 72-1041 N.V. Platform No: A
 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 15 MT/M³ Qty to transfer: 40.00 MT/M³ = 40 M³

Date/Time of Transfer: 23/1/2024Person in Charge: ATTAPONO W.

Preparation (Inspection Silo Tank)

- Checklist quantity in Silo (s)
- Check Load Cell – Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition

- Conduct ISA/Toolbox Talk with personnel involved
- Drip tray / Spill kit and warning sign in place
- Emergency shut down drill discussed

Arrival of Bulk Truck (Inspection of Bulk Truck)

- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work

- Ensure that the main hole on the top side closed tightly
- Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
- Connect transfer hoses & vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage

During Transfer

- Start transferring at low pressure to check for blockage/leakage
- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
- Monitor load cell and ensure no overloading
- Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

Completion of Transfer

- Check and confirm quantity transferred with driver
- Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
- House keeping a good practice

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate

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Well Services

Company Checklist – Bulk Transfer from Truck to Silo Tank 1104

Truck No: 71-7592 8547 Platform No: 112

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: 15 MT/M³ Qty to transfer: 35 MT/M³Date/Time of Transfer: 01-06-2024Person in Charge: Sakupong P.

Preparation (Inspection Silo Tank)

- Checklist quantity in Silo (s)
- Check Load Cell – Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition

- Conduct ISA/Toolbox Talk with personnel involved
- Drip tray / Spill kit and warning sign in place
- Emergency shut down drill discussed

Arrival of Bulk Truck (Inspection of Bulk Truck)

- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work

- Ensure that the main hole on the top side closed tightly
- Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
- Connect transfer hoses & vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage

During Transfer

- Start transferring at low pressure to check for blockage/leakage
- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
- Monitor load cell and ensure no overloading
- Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

Completion of Transfer

- Check and confirm quantity transferred with driver
- Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
- House keeping a good practice

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate



Schlumberger

Well Services

Company Checklist – Bulk Transfer from Truck to Silo Tank 1103

Truck No: 71-7592 8547 Platform No: 112

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: 10 MT/M³ Qty to transfer: 35 MT/M³Date/Time of Transfer: 05-06-2024Person in Charge: Sakupong P.

Preparation (Inspection Silo Tank)

- Checklist quantity in Silo (s)
- Check Load Cell – Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition

- Conduct ISA/Toolbox Talk with personnel involved
- Drip tray / Spill kit and warning sign in place
- Emergency shut down drill discussed

Arrival of Bulk Truck (Inspection of Bulk Truck)

- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work

- Ensure that the main hole on the top side closed tightly
- Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
- Connect transfer hoses & vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage

During Transfer

- Start transferring at low pressure to check for blockage/leakage
- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
- Monitor load cell and ensure no overloading
- Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

Completion of Transfer

- Check and confirm quantity transferred with driver
- Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
- House keeping a good practice

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate

Name

Signature / Stamp



Company Checklist – Bulk Transfer from Truck to Silo Tank 1102

Truck No: 68-3229 Platform No: 3

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: 65 MT/M³ Qty to transfer: 105 MT/M³Date/Time of Transfer: 21/02/24 (14:30 - 16:10)Person in Charge: Maicharn B.

Preparation (Inspection Silo Tank)

- Checklist quantity in Silo (s)
- Check Load Cell – Actual/Certificates
- Check for water contamination (Base Oil/MGO/H2S Scavenger)
- Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition

- Conduct ISA/Toolbox Talk with personnel involved
- Drip tray / Spill kit and warning sign in place
- Emergency shut down drill discussed

Arrival of Bulk Truck (Inspection of Bulk Truck)

- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work

- Ensure that the main hole on the top side closed tightly
- Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
- Connect transfer hoses & vent line to be connected to dust collector
- Check personnel are assigned to their stations and test communication
- Check all valves are in open/close positions as required and blow through to check for blockage/leakage

During Transfer

- Start transferring at low pressure to check for blockage/leakage
- Physical check that all personnel are at their assigned stations
- Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
- Monitor load cell and ensure no overloading
- Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

Completion of Transfer

- Check and confirm quantity transferred with driver
- Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
- House keeping a good practice

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate

Name

Signature / Stamp





Reference A4.3 – 6 Checklist – Bulk Transfer from Truck to Silo Tank

Company Checklist – Bulk Transfer from Truck to Silo Tank

Logo: 72-1197, 72-1041 Platform No: A
Truck No: 72-1197, 72-1041 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silo: 4000 MT/M³ Qty to transfer: 4000 MT/M³ = 40M³
Date/Time of Transfer: 26/12/24
Person in Charge: ATAPONG H.

- A Preparation (Inspection Silo Tank)
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: DIALOG Name: DIALOG Signature / Stamp: [Signature]
Truck Driver: [Signature]
PSB Jetty: [Signature]
* Delete where appropriate

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Reference A4.3 – 6 Checklist – Bulk Transfer from Truck to Silo Tank

Company Checklist – Bulk Transfer from Truck to Silo Tank

Logo: 72-1197, 72-1041 Platform No: 4
Truck No: 72-1197, 72-1041 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silo: 4000 MT/M³ Qty to transfer: 4000 MT/M³ = 80M³
Date/Time of Transfer: 26/12/24
Person in Charge: ATAPONG H.

- A Preparation (Inspection Silo Tank)
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: DIALOG Name: DIALOG Signature / Stamp: [Signature]
Truck Driver: [Signature]
PSB Jetty: [Signature]
* Delete where appropriate

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Reference A4.3 – 6 Checklist – Bulk Transfer from Truck to Silo Tank

Company Checklist – Bulk Transfer from Truck to Silo Tank

Logo: 71-9743, 72-00564 Platform No: 4
Truck No: 71-9743, 72-00564 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silo: 4000 MT/M³ Qty to transfer: 4000 MT/M³ = 40
Date/Time of Transfer: 19/3/24
Person in Charge: ATAPONG H.

- A Preparation (Inspection Silo Tank)
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: DIALOG Name: DIALOG Signature / Stamp: [Signature]
Truck Driver: [Signature]
PSB Jetty: [Signature]
* Delete where appropriate

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Company Checklist – Bulk Transfer from Truck to Silo Tank

Logo: 68-430 Platform No: 3
Truck No: 68-430 Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
Qty in Silo: 28 MT/M³ Qty to transfer: 28 MT/M³ = 28
Date/Time of Transfer: 20/03/24
Person in Charge: Chonit

- A Preparation (Inspection Silo Tank)
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct JSA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: Chonit Name: Chonit Signature / Stamp: [Signature]
Truck Driver: [Signature]
PSB Jetty: [Signature]
* Delete where appropriate

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Company Logo Checklist - Bulk Transfer from Truck to Silo Tank

Truck No: 71-A323 Platform No: 1
 Type: ☒ Cement ☐ Barite ☐ Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 15 MT/M³ Qty to transfer: 49 MT/M³
 Date/Time of Transfer: 20/03/2014
 Person in Charge: Adiut

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s)
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition
 - Conduct JSA/Toolbox Talk with personnel involved
 - Drip tray / Spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work
 - Ensure that the main hole on the top side closed tightly
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
 - Connect transfer hoses & vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage
 - Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out
- D Completion of Transfer**
- Check and confirm quantity transferred with driver
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
 - House keeping a good practice

Bulk Contractor: Adiut Name: Adiut Signature / Stamp: [Signature]
 Truck Driver: [Signature]
 PSB Jetty: [Signature]
 * Delete where appropriate



Schlumberger

Well Services

Company Logo Checklist - Bulk Transfer from Truck to Silo Tank 4103

Truck No: 71-7545 Platform No: 42
 Type: ☒ Cement ☐ Barite ☐ Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 15 MT/M³ Qty to transfer: 25 MT/M³
 Date/Time of Transfer: 20/03/2014
 Person in Charge: Sakumporn

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s)
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition
 - Conduct JSA/Toolbox Talk with personnel involved
 - Drip tray / Spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work
 - Ensure that the main hole on the top side closed tightly
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
 - Connect transfer hoses & vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage
 - Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out
- D Completion of Transfer**
- Check and confirm quantity transferred with driver
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
 - House keeping a good practice

Bulk Contractor: Sakumporn Name: Sakumporn Signature / Stamp: [Signature]
 Truck Driver: [Signature]
 PSB Jetty: [Signature]
 * Delete where appropriate



Schlumberger

Well Services

Company Logo Checklist - Bulk Transfer from Truck to Silo Tank 4141-2

Truck No: 71-7502 Platform No: 42
 Type: ☒ Cement ☐ Barite ☐ Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 7 MT/M³ Qty to transfer: 25 MT/M³
 Date/Time of Transfer: 16-03-2014
 Person in Charge: Sakumporn

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s)
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition
 - Conduct JSA/Toolbox Talk with personnel involved
 - Drip tray / Spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work
 - Ensure that the main hole on the top side closed tightly
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
 - Connect transfer hoses & vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage
 - Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar)
 - Monitor load cell and ensure no overloading
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out
- D Completion of Transfer**
- Check and confirm quantity transferred with driver
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
 - House keeping a good practice

Bulk Contractor: Sakumporn Name: Sakumporn Signature / Stamp: [Signature]
 Truck Driver: [Signature]
 PSB Jetty: [Signature]
 * Delete where appropriate



APPENDIX A: JETTY OPERATION

Reference A4.3 - 6 Checklist - Bulk Transfer from Truck to Silo Tank

Company Logo Checklist - Bulk Transfer from Truck to Silo Tank 4141-2

Truck No: 71-7502 Platform No: 42
 Type: ☒ Cement ☐ Barite ☐ Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 6.00 MT/M³ Qty to transfer: 16.00 MT/M³
 Date/Time of Transfer: 30/4/2014
 Person in Charge: ATADONG W.

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s)
 - Check Load Cell - Actual/Certificates
 - Check for water contamination (Base Oil/MGO/H2S Scavenger)
 - Check:
 - Transfer hoses for damage and whip link condition
 - Valves and Gauges
 - Dust collectors and Filter (fixed and portable) in good condition
 - Conduct JSA/Toolbox Talk with personnel involved
 - Drip tray / Spill kit and warning sign in place
 - Emergency shut down drill discussed
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure
 - Truck engine / Air compressor no leakage of oil
 - Transfer equipment (Connection hose / Pressure gauge) in safety condition and ready to work
 - Ensure that the main hole on the top side closed tightly
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank
 - Connect transfer hoses & vent line to be connected to dust collector
 - Check personnel are assigned to their stations and test communication
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage
 - Physical check that all personnel are at their assigned stations
 - Monitor pressure and leakage continuously
 - Monitor load cell and ensure no overloading
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out
- D Completion of Transfer**
- Check and confirm quantity transferred with driver
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting
 - House keeping a good practice

Bulk Contractor: ATADONG W. Name: ATADONG W. Signature / Stamp: [Signature]
 Truck Driver: [Signature]
 PSB Jetty: [Signature]
 * Delete where appropriate

Company Checklist – Bulk Transfer from Truck to Silo Tank 2

Logo
 Truck No: 71-7593 691 48 Platform No: 182
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 75 MT/M³ Qty to transfer: 75 MT/M³
 Date/Time of Transfer: 02-04-2014
 Person In Charge: Sakunpong

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒ Yes ☐ No
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒ Yes ☐ No
 - Check:
 - Transfer hoses for damage and whip link condition ☒ Yes ☐ No
 - Valves and Gauges ☒ Yes ☐ No
 - Dust collectors and Filter (fixed and portable) in good condition ☒ Yes ☐ No
 - Conduct JSA/Toolbox Talk with personnel involved ☒ Yes ☐ No
 - Drip tray / Spill kit and warning sign in place ☒ Yes ☐ No
 - Emergency shut down drill discussed ☒ Yes ☐ No
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒ Yes ☐ No
 - Truck engine / Air compressor no leakage of oil ☒ Yes ☐ No
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒ Yes ☐ No
 - Ensure that the main hole on the top side closed tightly ☒ Yes ☐ No
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒ Yes ☐ No
 - Connect transfer hoses & vent line to be connected to dust collector ☒ Yes ☐ No
 - Check personnel are assigned to their stations and test communication ☒ Yes ☐ No
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒ Yes ☐ No
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒ Yes ☐ No
 - Physical check that all personnel are at their assigned stations ☒ Yes ☐ No
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒ Yes ☐ No
 - Monitor load cell and ensure no overloading ☒ Yes ☐ No
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒ Yes ☐ No
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒ Yes ☐ No
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒ Yes ☐ No
 - House keeping a good practice ☒ Yes ☐ No

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate



Signature / Stamp

Company Checklist – Bulk Transfer from Truck to Silo Tank

Logo
 Truck No: 71-7593 691 48 Platform No: 182
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 75 MT/M³ Qty to transfer: 75 MT/M³
 Date/Time of Transfer: 04-04-2014
 Person In Charge: Sakunpong

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒ Yes ☐ No
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒ Yes ☐ No
 - Check:
 - Transfer hoses for damage and whip link condition ☒ Yes ☐ No
 - Valves and Gauges ☒ Yes ☐ No
 - Dust collectors and Filter (fixed and portable) in good condition ☒ Yes ☐ No
 - Conduct JSA/Toolbox Talk with personnel involved ☒ Yes ☐ No
 - Drip tray / Spill kit and warning sign in place ☒ Yes ☐ No
 - Emergency shut down drill discussed ☒ Yes ☐ No
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒ Yes ☐ No
 - Truck engine / Air compressor no leakage of oil ☒ Yes ☐ No
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒ Yes ☐ No
 - Ensure that the main hole on the top side closed tightly ☒ Yes ☐ No
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒ Yes ☐ No
 - Connect transfer hoses & vent line to be connected to dust collector ☒ Yes ☐ No
 - Check personnel are assigned to their stations and test communication ☒ Yes ☐ No
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒ Yes ☐ No
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒ Yes ☐ No
 - Physical check that all personnel are at their assigned stations ☒ Yes ☐ No
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒ Yes ☐ No
 - Monitor load cell and ensure no overloading ☒ Yes ☐ No
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒ Yes ☐ No
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒ Yes ☐ No
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒ Yes ☐ No
 - House keeping a good practice ☒ Yes ☐ No

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate



Signature / Stamp

Company Checklist – Bulk Transfer from Truck to Silo Tank

Logo
 Truck No: 91-653A Platform No: 5
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 69 MT/M³ Qty to transfer: 66 MT/M³
 Date/Time of Transfer: 20/04/2014
 Person In Charge: Chaiwat

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒ Yes ☐ No
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒ Yes ☐ No
 - Check:
 - Transfer hoses for damage and whip link condition ☒ Yes ☐ No
 - Valves and Gauges ☒ Yes ☐ No
 - Dust collectors and Filter (fixed and portable) in good condition ☒ Yes ☐ No
 - Conduct JSA/Toolbox Talk with personnel involved ☒ Yes ☐ No
 - Drip tray / Spill kit and warning sign in place ☒ Yes ☐ No
 - Emergency shut down drill discussed ☒ Yes ☐ No
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒ Yes ☐ No
 - Truck engine / Air compressor no leakage of oil ☒ Yes ☐ No
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒ Yes ☐ No
 - Ensure that the main hole on the top side closed tightly ☒ Yes ☐ No
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒ Yes ☐ No
 - Connect transfer hoses & vent line to be connected to dust collector ☒ Yes ☐ No
 - Check personnel are assigned to their stations and test communication ☒ Yes ☐ No
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒ Yes ☐ No
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒ Yes ☐ No
 - Physical check that all personnel are at their assigned stations ☒ Yes ☐ No
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒ Yes ☐ No
 - Monitor load cell and ensure no overloading ☒ Yes ☐ No
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒ Yes ☐ No
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒ Yes ☐ No
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒ Yes ☐ No
 - House keeping a good practice ☒ Yes ☐ No

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate



Signature / Stamp

Company Checklist – Bulk Transfer from Truck to Silo Tank

Logo
 Truck No: 91-A526 Platform No: 5
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 66 MT/M³ Qty to transfer: 65 MT/M³
 Date/Time of Transfer: 20/04/2014
 Person In Charge: Chaiwat

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒ Yes ☐ No
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒ Yes ☐ No
 - Check:
 - Transfer hoses for damage and whip link condition ☒ Yes ☐ No
 - Valves and Gauges ☒ Yes ☐ No
 - Dust collectors and Filter (fixed and portable) in good condition ☒ Yes ☐ No
 - Conduct JSA/Toolbox Talk with personnel involved ☒ Yes ☐ No
 - Drip tray / Spill kit and warning sign in place ☒ Yes ☐ No
 - Emergency shut down drill discussed ☒ Yes ☐ No
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒ Yes ☐ No
 - Truck engine / Air compressor no leakage of oil ☒ Yes ☐ No
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒ Yes ☐ No
 - Ensure that the main hole on the top side closed tightly ☒ Yes ☐ No
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒ Yes ☐ No
 - Connect transfer hoses & vent line to be connected to dust collector ☒ Yes ☐ No
 - Check personnel are assigned to their stations and test communication ☒ Yes ☐ No
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒ Yes ☐ No
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒ Yes ☐ No
 - Physical check that all personnel are at their assigned stations ☒ Yes ☐ No
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒ Yes ☐ No
 - Monitor load cell and ensure no overloading ☒ Yes ☐ No
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒ Yes ☐ No
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒ Yes ☐ No
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒ Yes ☐ No
 - House keeping a good practice ☒ Yes ☐ No

Bulk Contractor

Truck Driver

PSB Jetty

* Delete where appropriate



Signature / Stamp

Company Logo Checklist – Bulk Transfer from Truck to Silo Tank 4401
 Truck No: 71-7573 F915 Platform No: 42
 Type: Cement/Berite/Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 14 MT/M³ Qty to transfer: 35 MT/M³
 Date/Time of Transfer: 29-05-2024
 Person in Charge: Sakunpong

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct ISA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: Sakunpong
 Truck Driver:
 PSB Jetty:
 * Delete where appropriate



Company Logo Checklist – Bulk Transfer from Truck to Silo Tank |
 Truck No: 71-7573 F915 Platform No: 42
 Type: Cement/Berite/Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 14 MT/M³ Qty to transfer: 35 MT/M³
 Date/Time of Transfer: 29-05-2024
 Person in Charge: Sakunpong

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct ISA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: Sakunpong
 Truck Driver:
 PSB Jetty:
 * Delete where appropriate



Company Logo Checklist – Bulk Transfer from Truck to Silo Tank
 Truck No: 91-8591 Platform No: 3
 Type: Cement/Berite/Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 42 MT/M³ Qty to transfer: 45 MT/M³
 Date/Time of Transfer: 20/05/24
 Person in Charge: Chonlath

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct ISA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: Chonlath
 Truck Driver:
 PSB Jetty:
 * Delete where appropriate



APPENDIX A: JETTY OPERATION

Reference A4.3 – 6 Checklist – Bulk Transfer from Truck to Silo Tank

Company Logo Checklist – Bulk Transfer from Truck to Silo Tank + 2
 Truck No: 72-1187, 72-1041 8.0 Platform No: 4
 Type: Cement/Berite/Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 21.5 MT/M³ Qty to transfer: 45 MT/M³
 Date/Time of Transfer: 21/5/24
 Person in Charge: ATADONG H

- A Preparation (Inspection Silo Tank)**
- Checklist quantity in Silo (s) ☒ Yes ☐ No
 - Check Load Cell – Actual/Certificates ☒
 - Check for water contamination (Base Oil/MGO/H2S Scavenger) ☒
 - Check:
 - Transfer hoses for damage and whip link condition ☒
 - Valves and Gauges ☒
 - Dust collectors and Filter (fixed and portable) in good condition ☒
 - Conduct ISA/Toolbox Talk with personnel involved ☒
 - Drip tray / Spill kit and warning sign in place ☒
 - Emergency shut down drill discussed ☒
- B Arrival of Bulk Truck (Inspection of Bulk Truck)**
- Check condition of bulk truck in good condition with truck driver
 - Check the tire pressure ☒
 - Truck engine / Air compressor no leakage of oil ☒
 - Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work ☒
 - Ensure that the main hole on the top side closed tightly ☒
 - Truck bulk is in suitable position for connection between truck hose and inlet of silo tank ☒
 - Connect transfer hoses & vent line to be connected to dust collector ☒
 - Check personnel are assigned to their stations and test communication ☒
 - Check all valves are in open/close positions as required and blow through to check for blockage/leakage ☒
- C During Transfer**
- Start transferring at low pressure to check for blockage/leakage ☒
 - Physical check that all personnel are at their assigned stations ☒
 - Monitor pressure and leakage continuously ☒
 - Monitor load cell and ensure no overloading ☒
 - Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out ☒
- D Completion of Transfer**
- Check and confirm quantity transferred with driver ☒
 - Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting ☒
 - House keeping a good practice ☒

Bulk Contractor: DIALOG
 Truck Driver:
 PSB Jetty:
 * Delete where appropriate

Reference A4.3 - 6 Checklist - Bulk Transfer from Truck to Silo Tank

Company Checklist - Bulk Transfer from Truck to Silo Tank # 4

Logo Truck No: 72-1235, 72-2739 N.V. Platform No: A

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: MT/M³ City to transfer: AECO MT/M³

Date/Time of Transfer: 01/15/2024

Person in Charge: ATTAPONG A.

A Preparation (Inspection Silo Tank)

• Checklist quantity in Silo (s)

• Check Load Cell - Actual/Certificates

• Check for water contamination (Base Oil/MGO/H2S Scavenger)

• Check:

• Transfer hoses for damage and whip link condition

• Valves and Gauges

• Dust collectors and Filter (fixed and portable) in good condition

• Conduct ISA/Toolbox Talk with personnel involved

• Drip tray / Spill kit and warning sign in place

• Emergency shut down drill discussed

B Arrival of Bulk Truck (Inspection of Bulk Truck)

• Check condition of bulk truck in good condition with truck driver

• Check the tire pressure

• Truck engine / Air compressor no leakage of oil

• Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work

• Ensure that the main hole on the top side closed tightly

• Truck bulk is in suitable position for connection between truck hose and inlet of silo tank

• Connect transfer hoses & vent line to be connected to dust collector

• Check personnel are assigned to their stations and test communication

• Check all valves are in open/close positions as required and blow through to check for blockage/leakage

C During Transfer

• Start transferring at low pressure to check for blockage/leakage

• Physical check that all personnel are at their assigned stations

• Monitor pressure and leakage continuously

• Monitor load cell and ensure no overloading

• Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

D Completion of Transfer

• Check and confirm quantity transferred with driver

• Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting

• House keeping a good practice

Bulk Contractor: DIALOG

Truck Driver: [Signature]

PSB Jetty: [Signature]

* Delete where appropriate

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Reference A4.3 - 6 Checklist - Bulk Transfer from Truck to Silo Tank

Company Checklist - Bulk Transfer from Truck to Silo Tank # 2

Logo Truck No: 72-0395 R.V. Platform No: A

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: MT/M³ City to transfer: AECO MT/M³

Date/Time of Transfer: 01/15/2024

Person in Charge: ATTAPONG A.

A Preparation (Inspection Silo Tank)

• Checklist quantity in Silo (s)

• Check Load Cell - Actual/Certificates

• Check for water contamination (Base Oil/MGO/H2S Scavenger)

• Check:

• Transfer hoses for damage and whip link condition

• Valves and Gauges

• Dust collectors and Filter (fixed and portable) in good condition

• Conduct ISA/Toolbox Talk with personnel involved

• Drip tray / Spill kit and warning sign in place

• Emergency shut down drill discussed

B Arrival of Bulk Truck (Inspection of Bulk Truck)

• Check condition of bulk truck in good condition with truck driver

• Check the tire pressure

• Truck engine / Air compressor no leakage of oil

• Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work

• Ensure that the main hole on the top side closed tightly

• Truck bulk is in suitable position for connection between truck hose and inlet of silo tank

• Connect transfer hoses & vent line to be connected to dust collector

• Check personnel are assigned to their stations and test communication

• Check all valves are in open/close positions as required and blow through to check for blockage/leakage

C During Transfer

• Start transferring at low pressure to check for blockage/leakage

• Physical check that all personnel are at their assigned stations

• Monitor pressure and leakage continuously

• Monitor load cell and ensure no overloading

• Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

D Completion of Transfer

• Check and confirm quantity transferred with driver

• Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting

• House keeping a good practice

Bulk Contractor: ATTAPONG A.

Truck Driver: [Signature]

PSB Jetty: [Signature]

* Delete where appropriate

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Company Checklist - Bulk Transfer from Truck to Silo Tank

Logo Truck No: 71-3919 R.V. Platform No: 1

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: MT/M³ City to transfer: 42 MT/M³

Date/Time of Transfer: 20/06/24

Person in Charge: Anind Suthama

A Preparation (Inspection Silo Tank)

• Checklist quantity in Silo (s)

• Check Load Cell - Actual/Certificates

• Check for water contamination (Base Oil/MGO/H2S Scavenger)

• Check:

• Transfer hoses for damage and whip link condition

• Valves and Gauges

• Dust collectors and Filter (fixed and portable) in good condition

• Conduct ISA/Toolbox Talk with personnel involved

• Drip tray / Spill kit and warning sign in place

• Emergency shut down drill discussed

B Arrival of Bulk Truck (Inspection of Bulk Truck)

• Check condition of bulk truck in good condition with truck driver

• Check the tire pressure

• Truck engine / Air compressor no leakage of oil

• Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work

• Ensure that the main hole on the top side closed tightly

• Truck bulk is in suitable position for connection between truck hose and inlet of silo tank

• Connect transfer hoses & vent line to be connected to dust collector

• Check personnel are assigned to their stations and test communication

• Check all valves are in open/close positions as required and blow through to check for blockage/leakage

C During Transfer

• Start transferring at low pressure to check for blockage/leakage

• Physical check that all personnel are at their assigned stations

• Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1 bar)

• Monitor load cell and ensure no overloading

• Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

D Completion of Transfer

• Check and confirm quantity transferred with driver

• Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting

• House keeping a good practice

Bulk Contractor: Anind Suthama

Truck Driver: [Signature]

PSB Jetty: [Signature]

* Delete where appropriate



Company Checklist - Bulk Transfer from Truck to Silo Tank # 1

Logo Truck No: 71-3919 R.V. Platform No: 3

Type: * Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO

Qty in Silos: MT/M³ City to transfer: 35 MT/M³

Date/Time of Transfer: 20/06/24 (19.45-20.35)

Person in Charge: Watcharin B.

A Preparation (Inspection Silo Tank)

• Checklist quantity in Silo (s)

• Check Load Cell - Actual/Certificates

• Check for water contamination (Base Oil/MGO/H2S Scavenger)

• Check:

• Transfer hoses for damage and whip link condition

• Valves and Gauges

• Dust collectors and Filter (fixed and portable) in good condition

• Conduct ISA/Toolbox Talk with personnel involved

• Drip tray / Spill kit and warning sign in place

• Emergency shut down drill discussed

B Arrival of Bulk Truck (Inspection of Bulk Truck)

• Check condition of bulk truck in good condition with truck driver

• Check the tire pressure

• Truck engine / Air compressor no leakage of oil

• Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work

• Ensure that the main hole on the top side closed tightly

• Truck bulk is in suitable position for connection between truck hose and inlet of silo tank

• Connect transfer hoses & vent line to be connected to dust collector

• Check personnel are assigned to their stations and test communication

• Check all valves are in open/close positions as required and blow through to check for blockage/leakage

C During Transfer

• Start transferring at low pressure to check for blockage/leakage

• Physical check that all personnel are at their assigned stations

• Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1 bar)

• Monitor load cell and ensure no overloading

• Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out

D Completion of Transfer

• Check and confirm quantity transferred with driver

• Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting

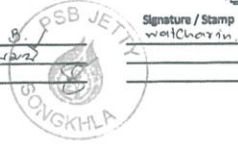
• House keeping a good practice

Bulk Contractor: Watcharin B.

Truck Driver: [Signature]

PSB Jetty: [Signature]

* Delete where appropriate



Company Checklist – Bulk Transfer from Truck to Silo Tank 3

Truck No: 71-7593 65147 Platform No: 112
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 13 MT/M³ Qty to transfer: 35 MT/M³
 Date/Time of Transfer: 24-06-2024
 Person In Charge: Jakrapong

- | | Yes | No |
|--|-------------------------------------|--------------------------|
| A Preparation (Inspection Silo Tank) | | |
| • Checklist quantity in Silo (s) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check Load Cell – Actual/Certificates | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check for water contamination (Base Oil/MGO/H2S Scavenger) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check: | | |
| ▪ Transfer hoses for damage and whip link condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Valves and Gauges | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Dust collectors and Filter (fixed and portable) in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Conduct JSA/Toolbox Talk with personnel involved | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Drip tray / Spill kit and warning sign in place | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Emergency shut down drill discussed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| B Arrival of Bulk Truck (Inspection of Bulk Truck) | | |
| • Check condition of bulk truck in good condition with truck driver | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Check the tire pressure | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Truck engine / Air compressor no leakage of oil | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Ensure that the main hole on the top side closed tightly | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Truck bulk is in suitable position for connection between truck hose and inlet of silo tank | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Connect transfer hoses & vent line to be connected to dust collector | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check personnel are assigned to their stations and test communication | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check all valves are in open/close positions as required and blow through to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| C During Transfer | | |
| • Start transferring at low pressure to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Physical check that all personnel are at their assigned stations | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor load cell and ensure no overloading | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| D Completion of Transfer | | |
| • Check and confirm quantity transferred with driver | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • House keeping a good practice | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Bulk Contractor Name: Jakrapong Signature / Stamp 
 Truck Driver 
 PSB Jetty 
 * Delete where appropriate



Company Checklist – Bulk Transfer from Truck to Silo Tank 4

Truck No: 71-7593 65147 Platform No: 112
 Type: Cement / Barite / Bentonite / Base Oil / H2S Scavenger / MGO
 Qty in Silos: 22 MT/M³ Qty to transfer: 35 MT/M³
 Date/Time of Transfer: 25-06-2024
 Person In Charge: Jakrapong

- | | Yes | No |
|--|-------------------------------------|--------------------------|
| A Preparation (Inspection Silo Tank) | | |
| • Checklist quantity in Silo (s) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check Load Cell – Actual/Certificates | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check for water contamination (Base Oil/MGO/H2S Scavenger) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check: | | |
| ▪ Transfer hoses for damage and whip link condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Valves and Gauges | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Dust collectors and Filter (fixed and portable) in good condition | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Conduct JSA/Toolbox Talk with personnel involved | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Drip tray / Spill kit and warning sign in place | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Emergency shut down drill discussed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| B Arrival of Bulk Truck (Inspection of Bulk Truck) | | |
| • Check condition of bulk truck in good condition with truck driver | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Check the tire pressure | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Truck engine / Air compressor no leakage of oil | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ▪ Transfer equipment (Connection hose / Pressure gauge) in safely condition and ready to work | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Ensure that the main hole on the top side closed tightly | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Truck bulk is in suitable position for connection between truck hose and inlet of silo tank | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Connect transfer hoses & vent line to be connected to dust collector | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check personnel are assigned to their stations and test communication | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check all valves are in open/close positions as required and blow through to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| C During Transfer | | |
| • Start transferring at low pressure to check for blockage/leakage | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Physical check that all personnel are at their assigned stations | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor pressure and leakage continuously/not exceeded than 45 psi (3.1bar) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor load cell and ensure no overloading | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Monitor dust collector / main hole (Silo truck) and ensure that there is no bulk spill out | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| D Completion of Transfer | | |
| • Check and confirm quantity transferred with driver | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • Check transfer hoses are empty of bulk and ensure that there is no pressure left in the line prior disconnecting | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| • House keeping a good practice | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Bulk Contractor Name: Jakrapong Signature / Stamp 
 Truck Driver 
 PSB Jetty 
 * Delete where appropriate



ภาคผนวก ข-7

การอบรมด้านความปลอดภัยในการทำงาน
(Safety Training Courses)

Registration by QR Code			
Course: Cause of the Incident & How to report incident workshop			
Venue: PSB Buiding B105			
Instructor: I ..			
No.	Name	Department	Date
1		OSB/S	04/04/2024
2		OSB/S	04/04/2024
3		OSB/S	04/04/2024
4		OSB/S	04/04/2024
5		OSB/S	04/04/2024
6		OSB/S	04/04/2024
7		OSB/S	04/04/2024
8		OSB/S	04/04/2024
9		OSB/S	04/04/2024
10	I	OSB/S	04/04/2024
11	I	OSB/S	04/04/2024

Registration by QR Code			
Course: SSHE1128a Chemical Safety Management			
Venue: PSB Buiding B105			
Instructor: I			
No.	Name	Department	Date
1		OSB/S	22/02/2024
2		OSB/S	22/02/2024
3		OSB/S	22/02/2024
4	hakhat	EMI	22/02/2024
5		OSB/S	22/02/2024
6		OSB/S	22/02/2024
7		OSB/S	22/02/2024
8		OSB/S	22/02/2024
9		OSB/S	22/02/2024
10		OSB/S	22/02/2024
11		OSB/S	22/02/2024
12		OSB/S	22/02/2024
13		OSB/S	22/02/2024
14		OSB/S	22/02/2024
15		OSB/S	22/02/2024
16		OSB/S	22/02/2024
17		OSB/S	22/02/2024

Registration by QR Code			
Course: S-SSHE2217 ISO 14001:2015 and ISO 45001:2018 Awareness			
Venue: PSB Buiding B105			
Instructor:			
No.	Name	Department	Date
1		OSB/S	22/03/2024
2		OSB/S	22/03/2024
3		OSB/S	22/03/2024
4		OSB/S	22/03/2024
5		OSB/S	22/03/2024
6		OSB/S	22/03/2024
7		OSB/S	22/03/2024
8		OSB/S	22/03/2024
9		OSB/S	22/03/2024
10		OSB/S	22/03/2024
11		OSB/S	22/03/2024
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14		OSB/S	22/03/2024
15		OSB/S	22/03/2024
16		OSB/S	22/03/2024
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18		OSB/S	22/03/2024
19		OSB/S	22/03/2024
20		OSB/S	22/03/2024
21		OSB/S	17/05/2024
22		OSB/S	17/05/2024
23		OSB/S	17/05/2024
24		OSB/S	17/05/2024
25		OSB/S	17/05/2024
26		OSB/S	17/05/2024
27		OSB/S	17/05/2024

Registration by QR Code			
Course: S-SSHE0013 Rigging Slings & Lifting [Refresh]			
Venue: PSB Buiding B105			
Instructor: Krissanan P.			
No.	Name	Department	Date
1		OSB/S	06/03/2024
2		OSB/S	06/03/2024
3		OSB/S	06/03/2024
4		OSB/S	06/03/2024

Registration by QR Code				
Course: SSHE1132 Waste Management				
Venue: PSB Buiding B105				
Instructor:				
No.	Name	Department	Date	
1		OSB/S	16/02/2024	
2		OSB/S	16/02/2024	
3		OSB/S	16/02/2024	
4		OSB/S	16/02/2024	
5		OSB/S	16/02/2024	
5		OSB/S	16/02/2024	
6		OSB/S	16/02/2024	
7		OSB/S	16/02/2024	
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22		OSB/S	16/02/2024	
23		OSB/S	16/02/2024	
24		OSB/S	16/02/2024	
25		OSB/S	19/04/2024	
26		OSB/S	19/04/2024	
27		OSB/S	19/04/2024	
28		OSB/S	19/04/2024	

29		OSB/S	19/04/2024
30		OSB/S	19/04/2024
31		OSB/S	19/04/2024
32		OSB/S	19/04/2024

Registration by QR Code			
Course: SSHE1113 Industrial Ergonomics			
Venue: PSB Buiding B105			
Instructor:			
No.	Name	Department	Date
1		OSB/S	16/02/2024
2		OSB/S	16/02/2024
3		OSB/S	16/02/2024
4		OSB/S	16/02/2024
5		OSB/S	16/02/2024
6		OSB/S	16/02/2024
7		OSB/S	16/02/2024
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9		OSB/S	16/02/2024
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11		OSB/S	16/02/2024
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22		OSB/S	16/02/2024
23		OSB/S	19/04/2024
24		OSB/S	19/04/2024
25		OSB/S	19/04/2024
26		OSB/S	19/04/2024
27		OSB/S	19/04/2024
28		OSB/S	19/04/2024
29		OSB/S	19/04/2024

30		OSB/S	19/04/2024
31		OSB/S	19/04/2024
32		OSB/S	19/04/2024
33		OSB/S	19/04/2024
34		OSB/S	19/04/2024
35		OSB/S	19/04/2024
36		OSB/S	19/04/2024

Registration by QR Code			
Course: SSHE1130 Security Awareness			
Venue: PSB Buiding B105			
Instructor			
No.	Name	Department	Date
1		OSB/S	22/03/2024
2		OSB/S	22/03/2024
3		OSB/S	22/03/2024
4		OSB/S	22/03/2024
5		OSB/S	22/03/2024
6		OSB/S	22/03/2024
7		OSB/S	22/03/2024
8		OSB/S	22/03/2024
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26		OSB/S	22/03/2024
27		OSB/S	17/05/2024
28		OSB/S	17/05/2024
29		OSB/S	17/05/2024

30		OSB/S	17/05/2024
31		OSB/S	17/05/2024
32		OSB/S	17/05/2024

Registration by QR Code

Course: SSHE1114 Manual Handling and Lifting Techniques

Venue: PSB Buiding B105

Instructor

No.	Name	Department	Date
1		OSB/S	22/03/2024
2		OSB/S	22/03/2024
3		OSB/S	22/03/2024
4		OSB/S	22/03/2024
5		OSB/S	22/03/2024
6		OSB/S	22/03/2024
7		OSB/S	22/03/2024
8		OSB/S	22/03/2024
9		OSB/S	22/03/2024
10		OSB/S	22/03/2024
11		OSB/S	22/03/2024
12		OSB/S	22/03/2024
13		OSB/S	22/03/2024
14		OSB/S	17/05/2024
15		OSB/S	17/05/2024
16		OSB/S	17/05/2024
17		OSB/S	17/05/2024
18		OSB/S	17/05/2024
19		OSB/S	17/05/2024
20		OSB/S	17/05/2024

ภาคผนวก ข-8

แผนการตรวจสอบและบำรุงรักษาเชิงป้องกันเครื่องจักร

No	Equipment description	Section owner	Manufacture	Model / Series	S/N	Tag No.	Description	Location	Criticality	Check by Name	PM Period Time	Frequency	Jan(P)	Feb(P)	Mar(P)	Apr(P)	May(P)	Jun(P)	Jul(P)	Aug(P)	Sep(P)	Oct(P)	Nov(P)	Dec(P)
1	Drilling Machine 2 set (WS#1)	EMI		380V			เครื่องเจาะ	EMI Workshop 1	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1Y
2	Bench grinder 8" 1set (WS#1)	EMI					เครื่องลับ ซิลินดาร์	EMI Workshop 1	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1Y
3	Surface grinding machine (WS#1)	EMI	Falcon machine	1632 ADTI			เครื่องกลึงผิวหน้า	EMI Workshop 1	Medium		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1Y
4	Lathe machine (WS#1)	EMI	600 Lathe	MASTIFF			เครื่องกลึง	EMI Workshop 1	Medium		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1Y
5	Milling Machine (WS#1)	EMI	Milltronics	VMM 3612			Milling Macine	EMI Workshop 1	Medium		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1Y
6	Air Compressor (WS#1)	EMI	Handal Screw Air Compressor	HAD 22A 3.50 m3/Min Rate/Max W.P 8 Bar Motor Power 22 kW Volt/Frequency 380v / 50 Hz Motor speed 2940 r/min	222208038	Asset No. 323012002536	เครื่องอัดอากาศ	EMI Workshop 1	Low		1M	Monthly	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M	1M	1M
7	Universal Winch Test Stand 12 MT	EMI	-	-	WIN No. 1. 81449 2. 81450 3. 81451 4. 81452 5. 81453		อุปกรณ์ทดสอบ Winch 1. Universal Winch Test Stand 12 MT 2. Pendant Line (Wire Rope Sling with Socket) 12 MT 3. Davit with Monorail 3 MT 4. Trolley 3 MT 5. Chain Hoist 3 MT	EMI Workshop 1	Medium		6M, 1Y-4Y	Yearly	3M			6M			3M			1Y		
8	Hydraulic press 100 Tons (WS#1)	EMI	TOCO	100 Tons	-		เครื่องอัดชิ้นงาน	EMI Workshop 1	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
9	Air Compressor (WS#3)	EMI	Handal Screw Air Compressor	HAD 22A 3.50 m3/Min Rate/Max W.P 8 Bar Motor Power 22 kW Volt/Frequency 380v / 50 Hz Motor speed 2940 r/min	222208037	Asset No. 321012001156	เครื่องอัดอากาศ	EMI Workshop 3	Low		1M	Monthly	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M	1M	1M
10	Overhead Crane 13 Tons (WS#1)	EMI	Demag	ND06MSHP620AT1F	HHX21075	WIN AT15240	เครนเหล็กรับน้ำหนัก 13 ตัน	EMI Workshop 1	Medium		1M	Monthly	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
11	Lathe machine (WS#3)	EMI	Luzhong Fanuc controller 0i-TP(S) plus	CK6163E/4000	C2212002	323012002513	เครื่องกลึง	EMI Workshop 3	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
12	Hard bearing balancing machine (WS#3)	EMI	SCHENCK	HM40UB	CQ4500106060-01001		Horizontal Balancing Machines	EMI Workshop 3	Low		1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
13	Milling Machine (WS#3)	EMI	CMP	XK7132	2303189	323012002515	Milling Macine	EMI Workshop 3	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
14	Drilling Machine 2 set (WS#3)	EMI	CMP	Z4125A Dia: 25mm	1. 15800591 2. 15800588	1. 323012002494 2. 323012002495	เครื่องเจาะ	EMI Workshop 3	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
15	Surface grinding machine (WS#3)	EMI	CMP	KGS-3060AHR	3022091159	323012002518	เครื่องกลึงผิวหน้า	EMI Workshop 3	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
16	Blasting Machine (WS#3)	EMI	RPV	RPV 1000 motor: 0.65 KW PW380 V, 50Hz, 3 Ph.	3L23012THPC	323012002524	เครื่องพ่นทราย	EMI Workshop 3	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
17	Hydraulic press 100 Tons (WS#3)	EMI	TOCO	100 Tons	-	323012002525	เครื่องอัดชิ้นงาน	EMI Workshop 3	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
18	Radial drill machine (WS#3)	EMI	CMP	Z3050X16	202111301	323012002517	เครื่องเจาะ Max drill dia.50mm	EMI Workshop 3	Low		1M/1Y	Monthly	1M	1M	1M	1M	1M	1M	1M	1Y	1M	1M	1M	1M
19	Air Ventilation	EMI	PLYMOVENT	MobileGo/3M		321012001157	เครื่องดูดควัน	EMI Workshop 3	Low		1Y	Yearly								1Y				
20	Overhead Crane 15 Tons (WS#3)	EMI	SWF Krantechnik GmbH, Germany	ND06MSGHP6 Span 20 M, Double Girder	10000727856	WIN 81982	เครนเหล็กรับน้ำหนัก 15 ตัน	EMI Workshop 3	Medium		1M	Monthly	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M	1M
21	Measurement Tools and Equipment	EMI	Mitutoyo	-	-	-	เครื่องมือวัด	EMI Workshop 3	Low		1Y	Yearly						1Y						