



## PT BAHTERA NIAGA INTERNASIONAL

Cilandak Commercial Estate Bld. No. 110 NGS  
Jl. Raya Cilandak KKO Jakarta 12560, Indonesia  
Tel : +62217892177 Fax : +62217892178  
Email add : [bni@bahteraniaga.com](mailto:bni@bahteraniaga.com)

### JOB SAFETY ANALYSIS

Job activity : Anchor job of AWB. Eka Pasifik 300 at Sepinggan Field  
JSA No. : P5/016/09022016  
Issue status :  
Issue date : 09 February 2016

Our work is so important or urgent that cannot take the time to do it safely  
*Tugas kita tak pernah sedemikian mendesak atau pentingnya sehingga kita mengabaikan keselamatan.*

| Sequence of Task Steps                                        | Potential Hazard                                                                                                  | Hazard Elimination                                                                                                                                                                                           |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Approaching unit to receive anchor handling materials      | -Collision with unit<br>-Engine failure<br>-Obstruction e.g anchor wires<br>-Falling object                       | 1 Good Ship handling<br>2 Test gear or tool box meeting<br>3 Sufficient pennant wire<br>4 Maintain communications                                                                                            |
| 2. Handles wire, shackles & chain                             | *Handling-back injury, finger traps, hand & feet<br>*Torsion stress<br>*Inadequate wire length                    | 1 Proper crane operation signal<br>2 Stay clear of suspended load<br>3 Crew to assist each other for heavy lifthing                                                                                          |
| 3. Decking anchor                                             | -Suddenly tension on pennant wire<br>-No keep station<br>-Man overboard                                           | 4 One person stby for monitor wire tension<br>1 Unit lower anchor in gear<br>2 Control tension on pennant wire                                                                                               |
| 4. Running or retrieving anchor wire                          | *Wire under tension<br>*Winch failure<br>*Anchor dropped on to pipe lines                                         | 3 Towing pins to guide anchor wire<br>4 Crew to keep well clear of deck<br>1 Coordinate slacking of anchor wire                                                                                              |
| 5. Deploy anchor buoy                                         | -Buoy rolling on deck<br>-Marine growth on buoy can cause injury<br>-Slip, Trip & Fall<br>-Parting of tugger wire | 2 Latest topographic chart o/b for references<br>3 Crew stay clear from danger area<br>1 Secure and choke the buoy<br>2 MOPO Limit<br>3 Crew to stay behind crash rails<br>4 Tugger wire inspected prior use |
| Hard hats<br>Safety Shoes<br>Safety Glasses<br>Ear Protection | Work Vest<br>Safety Harness<br>Face Shield<br>Goggles                                                             | Gloves<br>Rubber H/Glove<br>Fire Ext.<br>Lockout                                                                                                                                                             |
|                                                               |                                                                                                                   | SOPEP<br>Baricades<br>Signalman<br>Others                                                                                                                                                                    |
|                                                               |                                                                                                                   | Warning Posted<br>Respirator<br>Work Permit                                                                                                                                                                  |

Vessel : MV.TSS Pioneer 5

Date : 09 February 2016

Supervisor (Name and Posisiton) :

**SRI NURYANTO**  
MASTER TSS PIONEER 5